



SITE ASSESSMENT, REMEDIATION, AND CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

MARCH 18, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



March 18, 2025

NMOCD District 2
811 S. First Street
Carlsbad, NM 88220

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

RE: SITE ASSESSMENT, REMEDIATION, AND CLOSURE REPORT

LOCATION: Sargas 28 Federal Com #004H

WELL API: 30-015-41560

GPS: 32.715168, -103.884201

INCIDENT LOCATION: I-29-T18S-R31E

COUNTY: Eddy

NMOCD REF. NO. NAB1727827603 (2RP-4423)

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a site assessment, remediation, and write this closure report for an oil release that occurred at the Sargas 28 Fed Com #4H (Sargas). The initial C-141 was submitted on September 22, 2017. This incident was assigned Incident ID NAB1727837603 (2RP-4423), by the New Mexico Oil Conservation Division.

RELEASE INFORMATION

NAB1727827603 (2RP-4423): On September 19, 2017, the oil line float valve on the free water knockout separator was malfunctioning causing the vessel to fill up. Oil was released in an overspray towards the west side of the pad and into the pasture. The separator was isolated and bypassed so that the float valve could be repaired. The released fluids were calculated to be approximately 1 barrel (bbl) of crude oil. No fluids were recovered from the area due to the fluid being released in an overspray.

SITE CHARACTERIZATION

The Sargas is located approximately twenty-eight (28) miles northeast of Carlsbad, NM. This spill site is in Unit I, Section 29, Township 18S, Range 31E, Latitude 32.715168, Longitude -103.884201, Eddy County, NM. Figure 1 references a Location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- Eolian and piedmont deposits (Holocene to middle Pleistocene) interlayered eolian sands and piedmont-slope deposits (QEP). The soil in this area is made up of Wink loamy fine sand, 0 to 3 percent slopes, eroded 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. A Topographic Map is referenced in Figure 2. There is a low potential for karst geology to be present in the area of the Sargas (Figure 3).



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According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 180 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 100 feet BGS. The closest waterway is a playa located approximately 4.96 miles to the southwest of this location. See Appendix A for referenced water surveys. Due to lack of groundwater information, this site will be classified as <50' per Table 1 19.15.29.12 NMAC.

SITE ASSESSMENT, AND SOIL SAMPLING RESULTS

On July 9, 2020, Pima Environmental mobilized personnel to the site in order to assess the area. We sampled the areas on and off the pad to the west of the separator. Six (6) discrete samples from five (5) different sample points within the release area were collected for vertical delineation. Three (3) samples were collected from the pasture to serve as background samples. The results of this sampling event can be found in the data table located in Figure 4. An Initial Site Map can be found in Figure 5. Complete Laboratory Reports are attached in Appendix E.

REMEDIATION ACTIVITIES

On August 20, 2020, Pima mobilized personnel and equipment to conduct remedial activities. We treated the area in the vicinity of S-1 through S-4, west of the separator, with a bioremediation chemical solution. Photographic documentation can be found in Appendix D.

On April 5, 2021, Pima returned to the site to assess the area and collect confirmation samples from the treated area. A total of four (4) composite sample points labeled S1-S4 were collected from 0-6" below ground surface (BGS). The results of this sampling event can be found in the data table in Figure 4. A Confirmation Sample Map (a) can be found in Figure 6. Complete Laboratory Reports are attached in Appendix E.

After remediation work was completed, a remediation closure report was submitted to the NMOCD on April 21, 2021, under Application ID: 24993. On September 20, 2022, application 24993 was rejected by the NMOCD.

COUNTERMEASURES DUE TO REJECTION (APP ID: 24993)

On September 20, 2022, the NMOCD denied the remediation closure report citing:

"The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) NAB1727827603 (2RP-4423).

- **Closure report rejected due to inadequate depth to groundwater data.**

The rejected C-141 can be found in the OCD Online: Permitting- Action Status, under Application ID: 24993. Please review and make the required correction(s) prior to resubmitting. "If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141."

After submitting a 48-Hour Sampling Notification (Appendix C), on January 9, 2023, Pima Environmental mobilized personnel to conduct further sampling due to the rejection and lack of groundwater data. A total of five (5) vertical samples labeled S1- S5 were collected at 1', 2', 3', and 4' below ground surface (BGS). A total of four (4) horizontal sample points labeled SW1-SW4 were collected 6" below ground surface (BGS). Two (2) background samples labeled BG1 and BG2 were



collected 6" below ground surface (BGS). The results of this sampling event can be found in the data table located in Figure 4. A Site Map can be found in Figure 7. Complete Laboratory Reports are attached in Appendix E.

A Remediation Work Plan was submitted to the NMOCD on November 22, 2024, under Application ID: 405936. On December 17, 2024, application 405936 was rejected by the NMOCD.

COUNTERMEASURES DUE TO REMEDIATION WORK PLAN REJECTION (APP ID: 405936)

On December 17, 2024, the NMOCD denied the Remediation Work Plan report citing:

"The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) NAB1727827603 (2RP-4423).

- **Work plan denied. Sample areas of S1 and S2 were resampled on 4/5/21 at a depth of 6 inches. Delineation sampling conducted on 7/9/2020 indicated that samples exceeded closure criteria at 1 foot below surface. These samples were not fully delineated and require additional delineation sampling. Submit a report via the OCD permitting portal by January 17, 2025.**

The rejected C-141 can be found in the OCD Online: Permitting- Action Status, under Application ID: 405936. Please review and make the required correction(s) prior to resubmitting. "If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141."

In an effort to address the concerns of the rejection, Pima contacted Ashley Maxwell with NMOCD to gain clarification on what samples needed to be collected for delineation. She advised that composite samples from the areas of S-1 and S-2 collected from 0-1 foot deep would suffice. Her concern was that she wanted to ensure that the bioremediation that was used at the time had not migrated. Included in Appendix C is the documented email correspondence between NMOCD and Pima regarding this conversation.

On January 13, 2025, Devon Energy submitted a 48-Hour Sampling Notification in preparation to conduct the required delineation sampling event on January 15, 2025. For additional details, the 48-Hour Sampling Notification can be found in Appendix C.

On January 15, 2025, a Pima field technician conducted the delineation sampling event at the Sargas. A total of two (2) composite samples were collected, one from S-1 and one from S-2 at depths of 0-1' below ground surface (BGS). Each soil sample was a 5-point composite sample, not exceeding a 200 square foot area from the S-1 & S-2 sample points. These samples were collected for laboratory analysis for total chloride using EPA Method 200.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Analytical Laboratories, in Farmington, New Mexico. The results of this sampling event can be found in the data table in Figure 4. A Delineation Map can be found in Figure 8. Complete Laboratory Reports are attached in Appendix E.

REMEDIATION ACTIVITIES

Pima Environmental submitted a revised Remediation Work Plan to the NMOCD that was approved with the following conditions on January 31, 2025, (NMOCD Application ID: 426948):



- **Remediation work plan approved. However, a condition of approval is, in addition to the remediation work plan, closure confirmation samples will be collected in the polygon area of “Delineation Area” samples S2 and S1 at the surface representing no more than 200 square feet. This polygon area is outlined in red (Delineation Map) in the submitted work plan. This is being required due to previous sampling in this area having TPH exceeding closure criteria. Submit a report via the OCD permitting portal by April 30, 2025.**

The work plan proposed to excavate the areas of S-3 and S-4 at an average depth of 2' below ground surface, totaling approximately 400 square feet and 30 cubic yards. On February 13, 2025, the Devon construction department and Pima mobilized personnel and equipment to the site to begin excavating the area of concern. We excavated the contaminated areas located on the pad using hand tools and mechanical equipment. Samples were taken during excavation to ensure all contamination had been removed. A total of 550 square feet at a depth of 2' bgs totaling 41 cubic yards of contaminated soil was removed from the pad area and was hauled off and disposed of at an NMOCD-approved facility. An Excavation Map can be found in Figure 9.

On February 19, 2025, after Devon submitted a 48-hour sampling notification (Appendix C), Pima returned to the site to collect 5-point composite confirmation samples. Pima collected a total of four (4) 5-point composite samples labeled CS1-CS4 from the bottom of the excavated area, and four (4) 5-point composite samples labeled CSW1-CSW4 from the sidewalls of the excavated area. Composite samples collected represented no more than 200 square feet from the base and walls of the excavated area. A total of eight (8) samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratory for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

On February 20, 2025, an analytical report was received and verified that all sample results are under the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Sample results can be referenced in the Data Tables included in Figure 4. A corresponding Confirmation Sample Map (b) can be found in Figure 10. A complete Laboratory Report can be found in Appendix E. On February 24, 2025, Devon returned to the Sargas to backfill the excavated area with clean, like material. Photographic documentation of the remediation and backfilling can be found in Appendix D. Two five-point composite soil samples (Backfill 1 & Backfill 2) were collected from the surface of the backfilled excavation. None of the sample results were detected at concentrations in excess of the remediation/reclamation closure criteria.

Per the Remediation Work Plan condition of approval, Pima returned to the site on March 12, 2025, after submitting a 48-Hour Sampling Notification (Appendix C) to collect the required confirmation samples in the polygon area of samples S1 & S2 at the surface. Confirmation samples collected represented no more than 200 square feet. A complete Laboratory Report can be found in Appendix E. Analytical results verified that these sample results are under the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC.

CLOSURE REQUEST

After careful review, Pima requests that this incident, NAB1727827603 (2RP-4423) be closed. Devon has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC. Devon is aware and understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan report addressing a minimum of four feet of non-waste containing earthen material. Followed by a revegetation plan report once the site has reached the required vegetative status.



Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@dvn.com.

Pima Environmental – DelRae Geller at 806-724-5391 or delrae@pimaoil.com.

Respectfully,

DelRae Geller

DelRae Geller

Project Manager

Pima Environmental Services, LLC



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ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Initial Site Map
- 6- Confirmation Sample Map (a)
- 7- Site Map
- 8- Delineation Map
- 9- Excavation Map
- 10- Confirmation Sample Map (b)

APPENDICES:

Appendix A – Water Surveys and Water Related Maps

Appendix B – Soil Survey, Geological Data

Appendix C – 48-Hour Sampling Notification, NMOCD Correspondence

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Initial Site Map
- 6- Confirmation Sample Map (a)
- 7- Site Map
- 8- Delineation Map
- 9- Excavation Map
- 10- Confirmation Sample Map (b)



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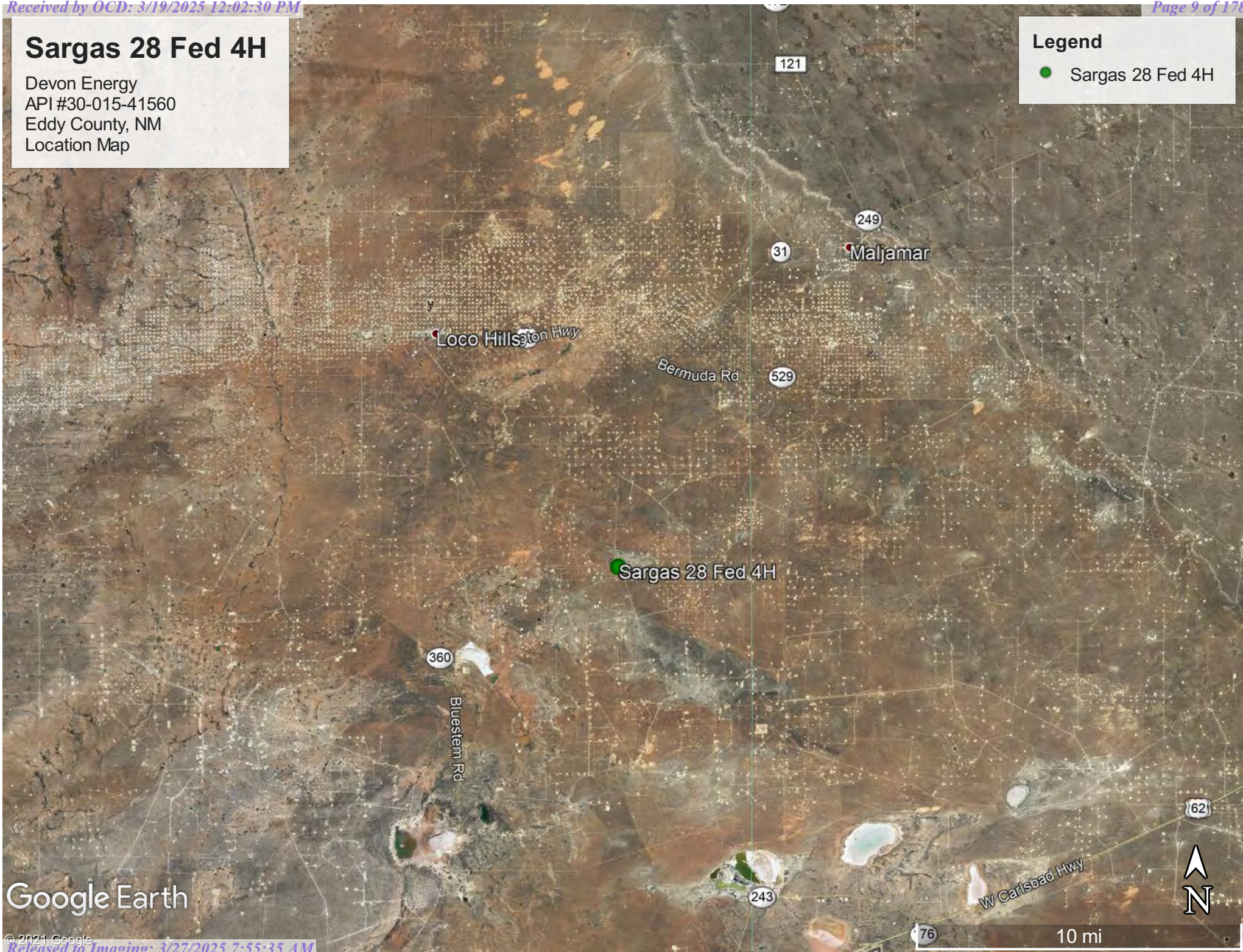
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Sargas 28 Fed 4H

Devon Energy
API #30-015-41560
Eddy County, NM
Location Map

Legend

● Sargas 28 Fed 4H



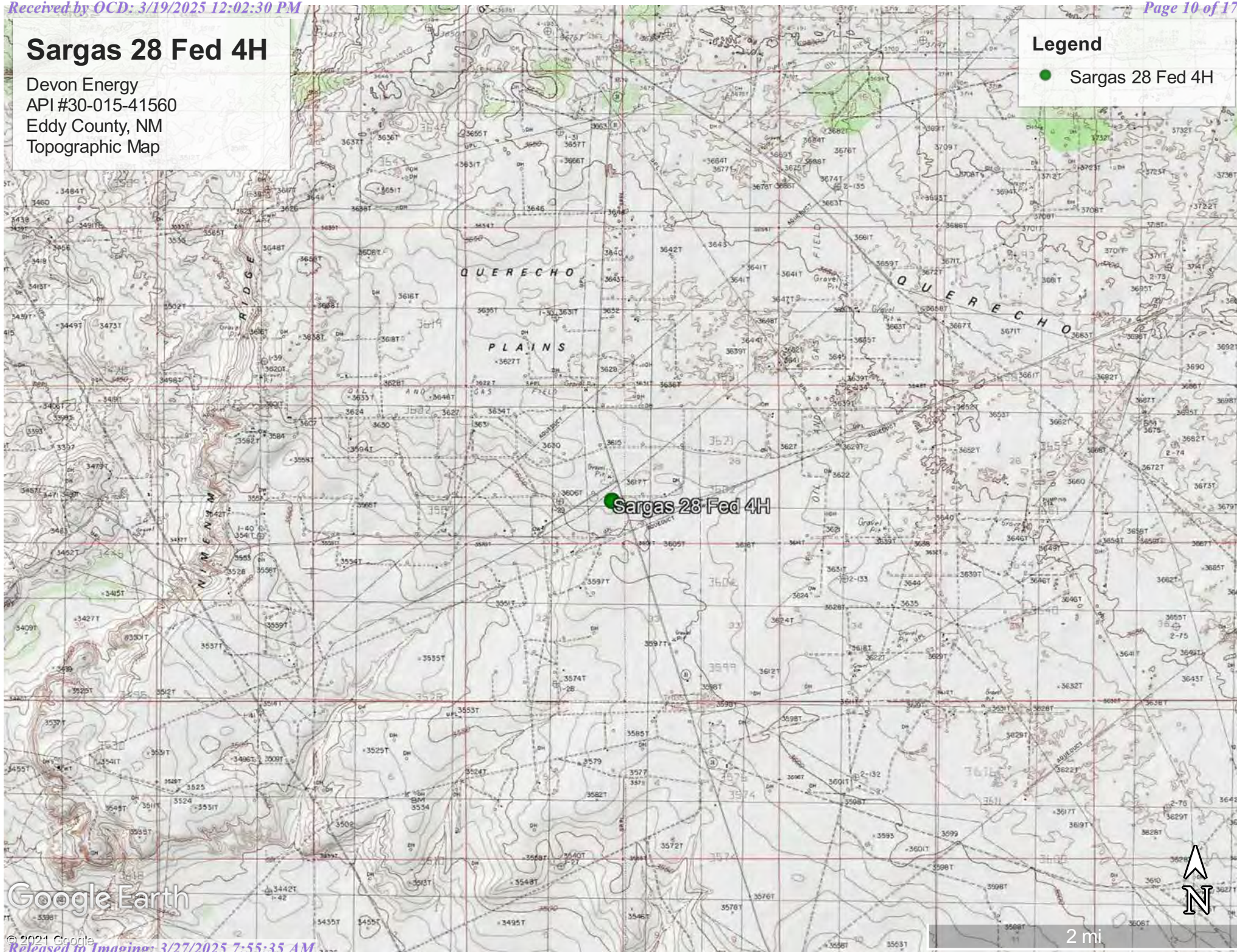
Google Earth

Sargas 28 Fed 4H

Devon Energy
API #30-015-41560
Eddy County, NM
Topographic Map

Legend

● Sargas 28 Fed 4H



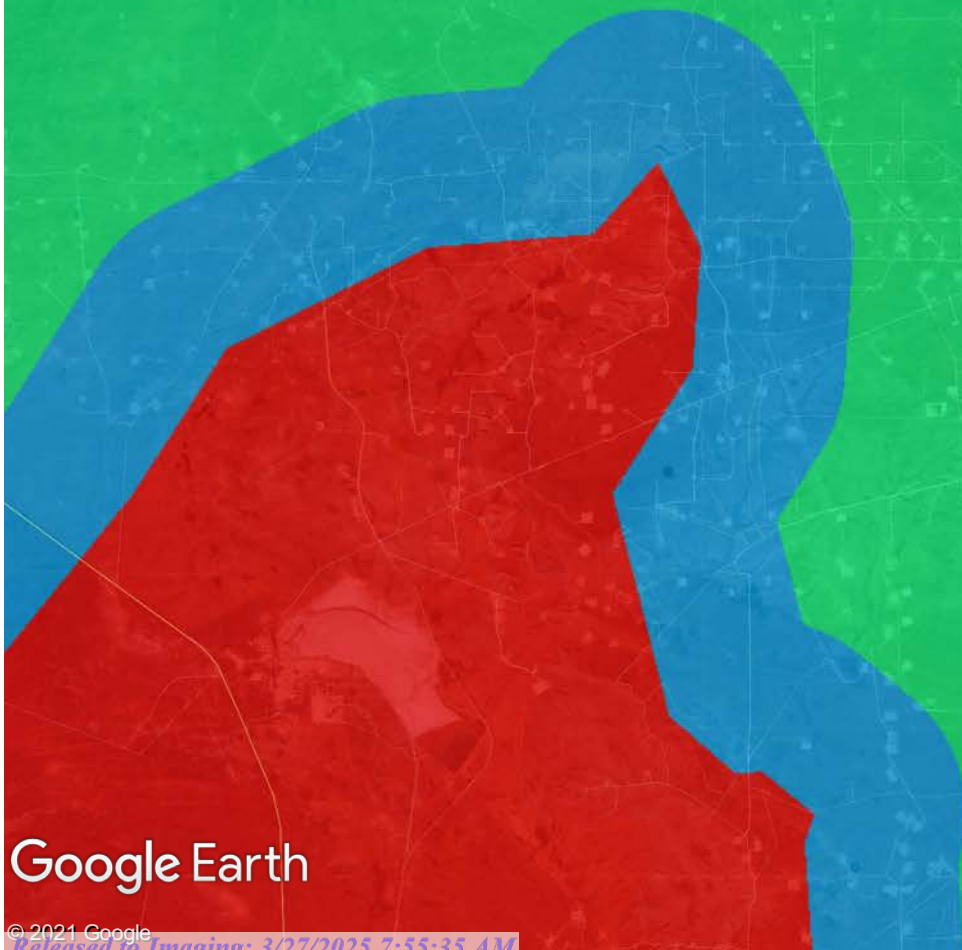
Google Earth

2 mi

Sargas 28 Fed 4H

Devon Energy
API #30-015-41560
Eddy County, NM
Karst Map

- Legend**
- High Karst
 - Low Karst
 - Medium Karst



Sargas 28 Fed 4H

Google Earth



4 mi

DATA TABLES

7-9-2020 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Devon Energy - Sargas 28 Fed 4H								
Sample Date 7-9-20		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
BG-1	0	ND	ND	ND	ND	ND	ND	ND
BG-2	0	ND	ND	ND	ND	ND	ND	ND
BG-3	0	ND	ND	ND	ND	ND	ND	ND
S-1	0-6"	ND	ND	ND	6900	4500	11400	ND
	1	ND	ND	ND	5800	4200	10000	ND
S-2	0-6"	ND	ND	ND	11000	11000	22000	110
S-3	0-6"	ND	ND	ND	5200	5000	10200	400
S-4	0-6"	ND	ND	ND	26000	30000	56000	ND
S-5	0-6"	ND	ND	ND	64	170	234	ND

ND/0- Analyte Not Detected

4-5-2021 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Devon Energy - Sargas 28 Fed 4H								
Sample Date 4-5-21		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	0-6"	ND	ND	ND	ND	ND	ND	
S-2	0-6"	ND	ND	ND	ND	ND	ND	
S-3	0-6"	ND	ND	ND	ND	ND	ND	
S-4	0-6"	ND	ND	ND	ND	ND	ND	

ND/0- Analyte Not Detected



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1-9-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Devon Energy - Sargas 28 Fed 4H								
Sample Date 1-9-2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	527
	3'	ND	ND	ND	ND	ND	0	436
	4'	ND	ND	ND	ND	ND	0	215
	5'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	500
	3'	ND	ND	ND	ND	ND	0	459
	4'	ND	ND	ND	ND	ND	0	208
	5'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	10700	8640	19340	41
	3'	ND	ND	ND	ND	ND	0	409
	4'	ND	ND	ND	ND	ND	0	224
	5'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	11500	8960	20460	36.9
	3'	ND	ND	ND	ND	ND	0	414
	4'	ND	ND	ND	ND	ND	0	265
	5'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected



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1-15-2025 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Sargas 28 Federal 4H								
Date: 1-15-25		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	(0-1') Comp	ND	ND	ND	ND	ND	0	ND
S2	(0-1') Comp	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected

2-19-2025 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Sargas 28 Federal 4H								
Date: 2-19-25		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
CS1	2' Comp	ND	ND	ND	ND	ND	0	ND
CS2	2' Comp	ND	ND	ND	ND	ND	0	ND
CS3	2' Comp	ND	ND	ND	ND	ND	0	ND
CS4	2' Comp	ND	ND	ND	ND	ND	0	ND
CSW1	COMP	ND	ND	ND	ND	ND	0	ND
CSW2	COMP	ND	ND	ND	ND	ND	0	ND
CSW3	COMP	ND	ND	ND	ND	ND	0	ND
CSW4	COMP	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected



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3-12-2025 Confirmation & Backfill Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50 ')								
DEVON ENERGY Sargas 28 Federal Com 4H								
Date: 3-12-25		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
Backfill 1	Comp	ND	ND	ND	ND	ND	0	90.6
Backfill 2	Comp	ND	ND	ND	ND	ND	0	86.3
S1	Surface	ND	ND	ND	ND	ND	0	ND
S2	Surface	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected



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Sargas 28 Fed 4H

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API #30-015-41560
Eddy County, NM
Initial Site Map

Legend

- Backgrounds
- MicroBlaze Area
- Samples



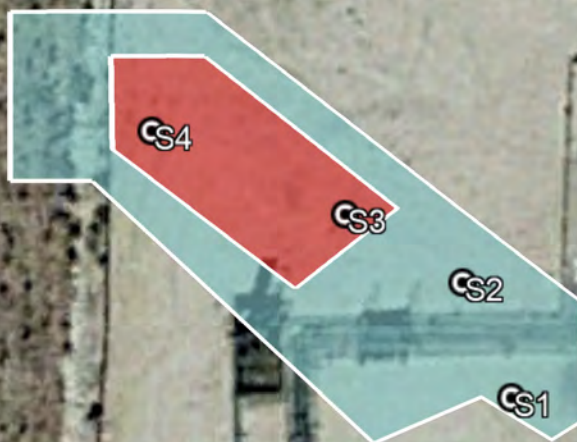
Google Earth

Sargas 28 Federal 4H

Devon Energy
30-015-41560
32.715168, -103.884201
Eddy County, NM
Confirmation Sample Map (a)

Legend

-  Remediation Area
-  Sample Location
-  Spill Area



Google Earth

100 ft



Sargas 28 Federal 4H

Devon Energy
30-015-41560
32.715168,-103.884201
Eddy County, NM
Site Map

Legend Page 18 of 178

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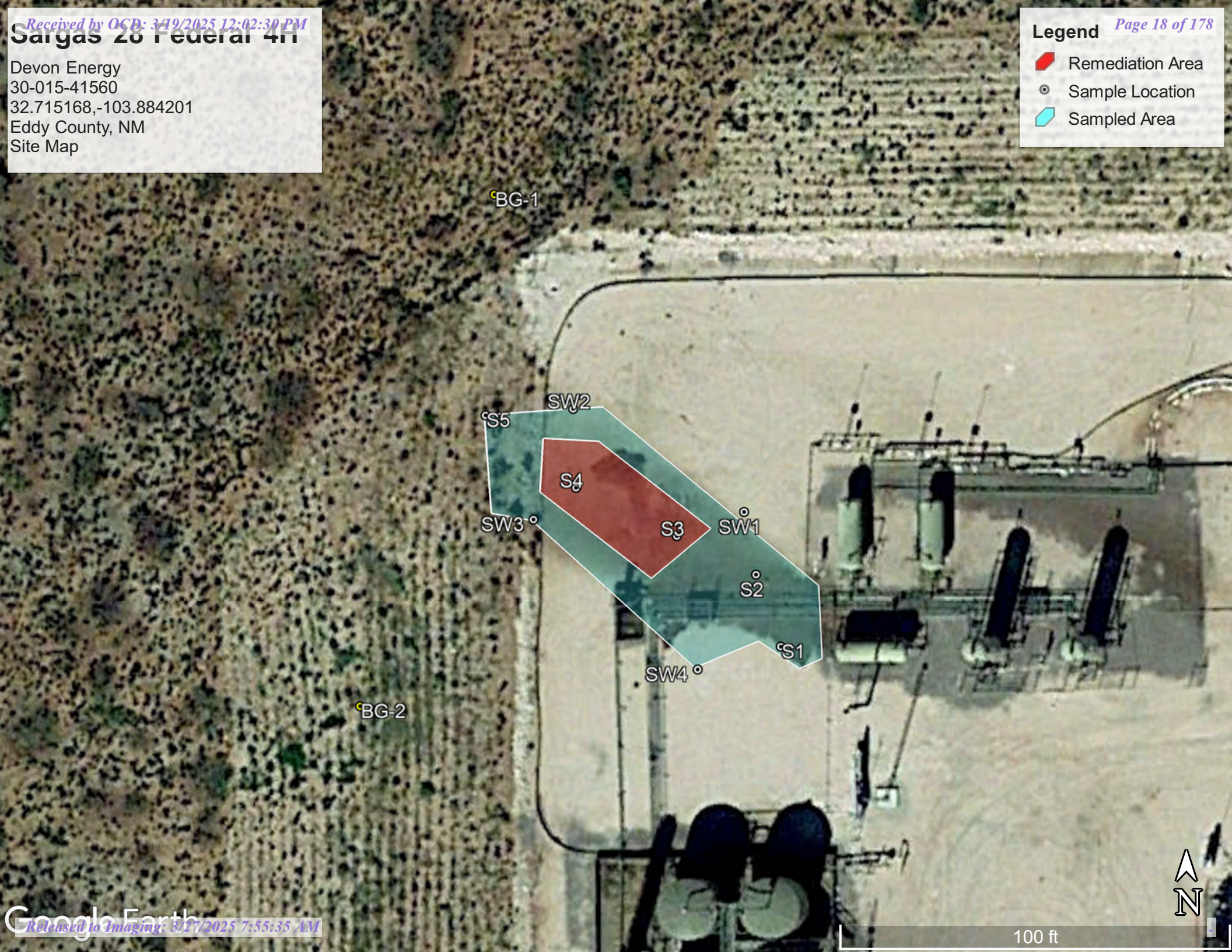
 Remediation Area

⊙

 Sample Location

▭

 Sampled Area



Sargas 28 Fed 4H

Devon Energy
API: 30-015-41560
32.715168, -103.884201
Eddy County, NM
Delineation Map

Legend

 Delineation Area



Google Earth

100 ft

Sargas 28 Federal 4H

Devon Energy
API: 30-015-41560
Eddy County, NM
Excavation Map

Legend

 Excavated Area 550 sq ft



Google Earth

Image © 2025 Airbus

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60 ft

Sargas 28 Federal 4H

Devon Energy
30-015-41560
32.715168, -103.884201
Eddy County, NM
Confirmation Sample Map (b)

Legend

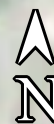
-  Composite Bottom Samples
-  Composite Sidewall Samples
-  Excavated Area 550 sq ft



Google Earth

Image © 2025 Airbus

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60 ft

APPENDIX A

OSE Water Survey

USGS Water Survey

Water Related Maps



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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00849 POD1		CP	LE	3	1	3	35	18S	31E	608012	3618757*	3755	300		
CP 00818 POD1		CP	LE		1	4	26	18S	30E	599289	3620364*	5282	240		
CP 00767 POD1		CP	ED		3	2	35	18S	30E	599300	3619158*	5384	500		
CP 01907 POD1		CP	ED	4	2	2	18	19S	31E	603017	3614737	5738			
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	6452	120		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	7377	400		
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	7407	400		
CP 00873 POD1		CP	LE		1	1	19	19S	31E	601772	3613147*	7644	340	180	160
CP 00853 POD1	O	CP	ED		2	4	28	18S	30E	596472	3620340*	8098	350		
RA 11590 POD1		RA	ED	2	1	3	32	17S	31E	603315	3628545	8379	158		
CP 00647 POD1	O	CP	ED	4	2	2	15	19S	30E	598235	3614621*	8482	200	92	108
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	8570	630		
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	8764	630		
RA 11590 POD3		RA	ED	3	1	2	32	17S	31E	603932	3629260	9022	60		
RA 11590 POD4		RA	ED	4	1	1	32	17S	31E	603308	3629253	9081	55		
CP 00672		CP	LE		4	4	07	18S	32E	612475	3624947*	9189	524	430	94
CP 00672 CLW475398	O	CP	LE		4	4	07	18S	32E	612475	3624947*	9189	540	460	80
CP 00822 POD1		CP	LE		4	4	15	19S	30E	598148	3613516*	9313	90		
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	9649	350	65	285
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	9793	231		
CP 00819 POD1		CP	LE		2	4	32	18S	30E	594878	3618720*	9814	150		

Average Depth to Water: **245 feet**

Minimum Depth: **65 feet**

Maximum Depth: **460 feet**

Record Count: 21

UTM NAD83 Radius Search (in meters):

Easting (X): 604570.56

Northing (Y): 3620260.91

Radius: 10000

*UTM location was derived from PLSS - see Help

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

1/26/23 8:04 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00849 POD1		CP	LE	3	1	3	35	18S	31E	608012	3618757*	3755	300		
CP 00818 POD1		CP	LE		1	4	26	18S	30E	599289	3620364*	5282	240		
CP 00767 POD1		CP	ED		3	2	35	18S	30E	599300	3619158*	5384	500		
CP 01907 POD1		CP	ED	4	2	2	18	19S	31E	603017	3614737	5738			
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	6452	120		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 604570.56

Northing (Y): 3620260.91

Radius: 7000

*UTM location was derived from PLSS - see Help

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

1/26/23 7:51 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

Sargas 28 Federal 4H

Devon Energy
30-015-41560
32.715168, -103.884201
Eddy County, NM
OSE Pod Map

Legend

- CP-00849-POD1
- 2.33 Miles
- Sargas 28 Federal Com #004H

Sargas 28 Federal Com #004H

CP-00849-POD1

Google Earth



1 mi



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324159103503801

Minimum number of levels = 1

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

USGS 324159103503801 18S.31E.35.31324

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83

Land-surface elevation 3,630 feet above NAVD88

The depth of the well is 300 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

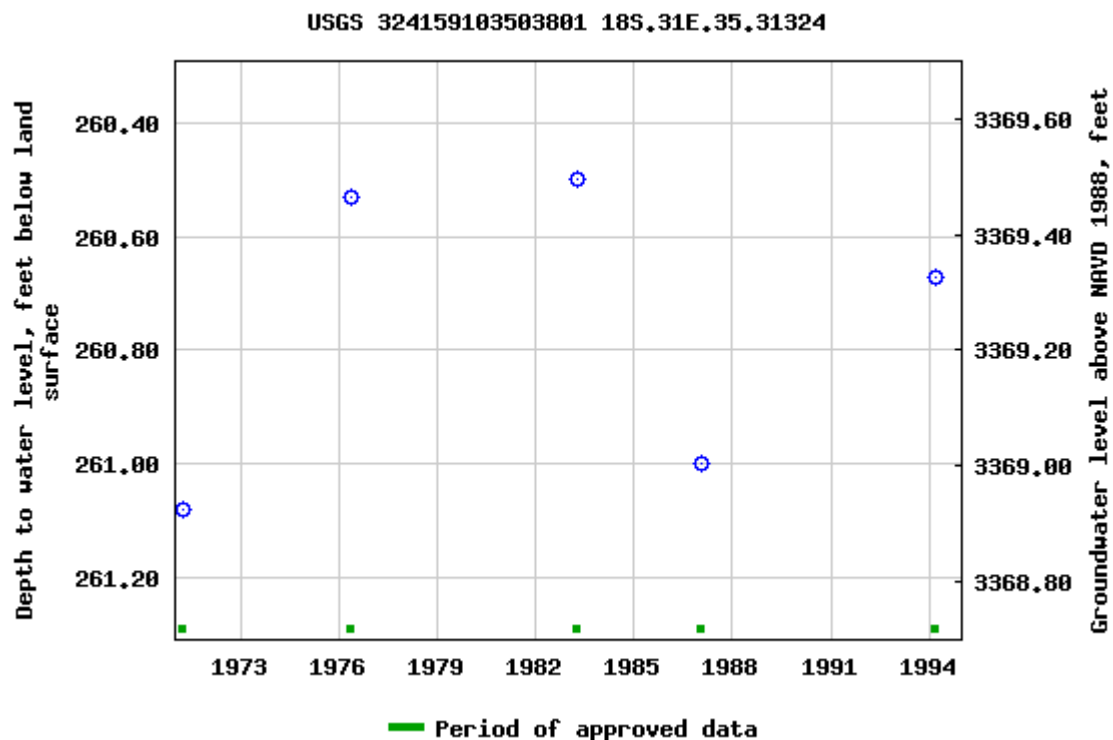
Output formats

[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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[Privacy](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2023-01-26 09:54:26 EST

0.69 0.58 nadww02

Sargas 28 Federal 4H

Devon Energy
30-015-41560
32.715168, -103.884201
Eddy County, NM
USGS Map

Legend

-  2.33 Miles
-  Sargas 28 Federal Com #004H
-  USGS 324159103503801

 Sargas 28 Federal Com #004H

 USGS 324159103503801

Google Earth



1 mi

Sargas 28 Fed 4H

Devon Energy
API #30-015-41560
Eddy County, NM
Surface Water Map

Legend

- 4.96 Miles
- Playa

Sargas 28 Fed 4H

Playa

360

Google Earth

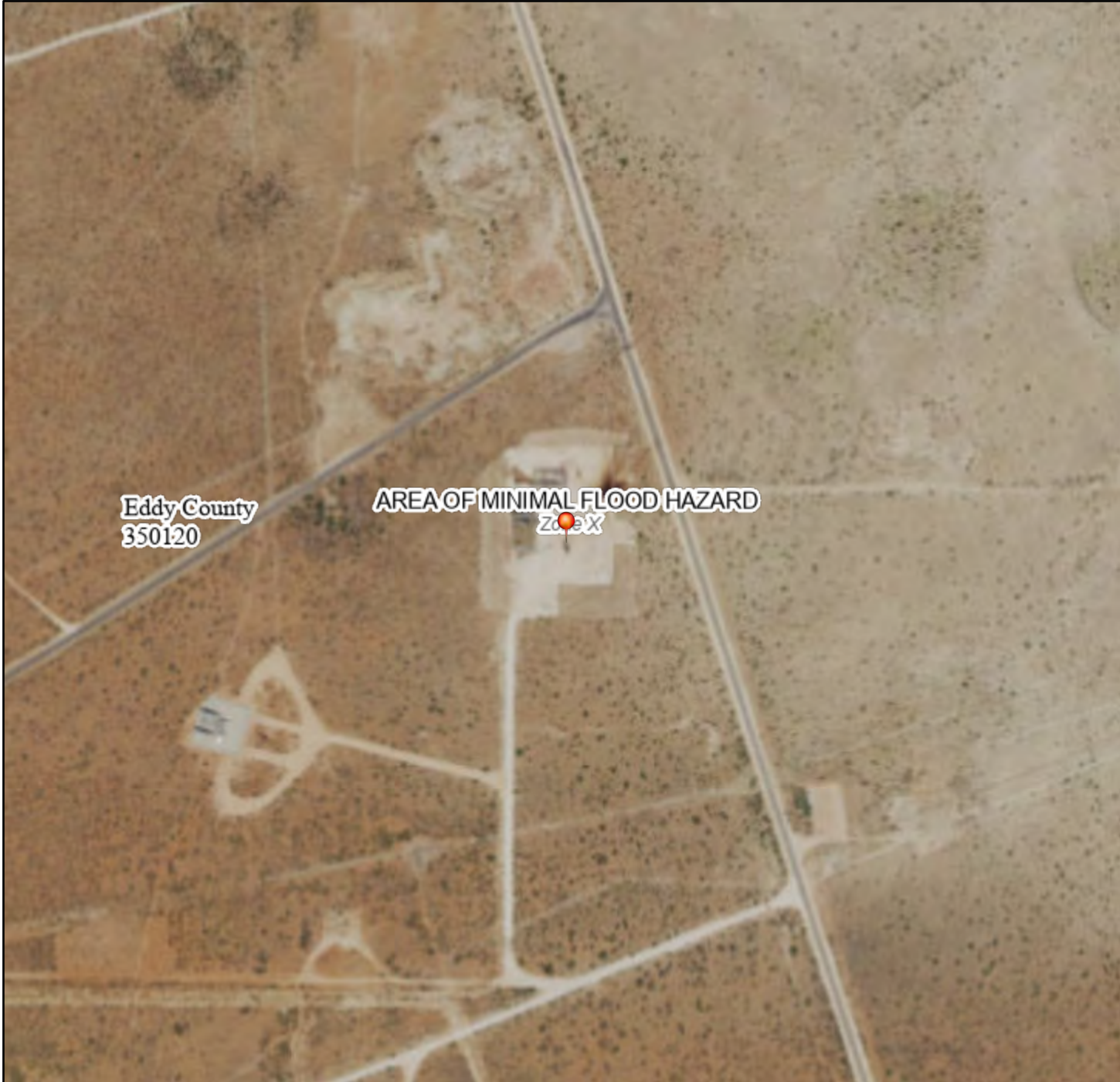
3 mi



National Flood Hazard Layer FIRMette



103°53'22"W 32°43'9"N



Legend

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

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

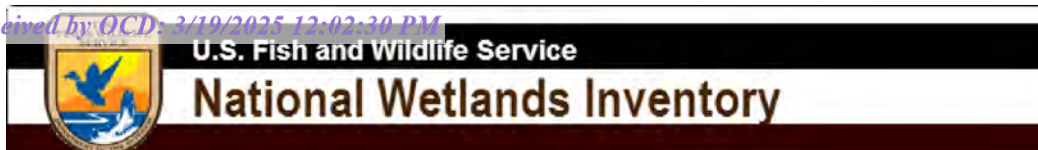


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

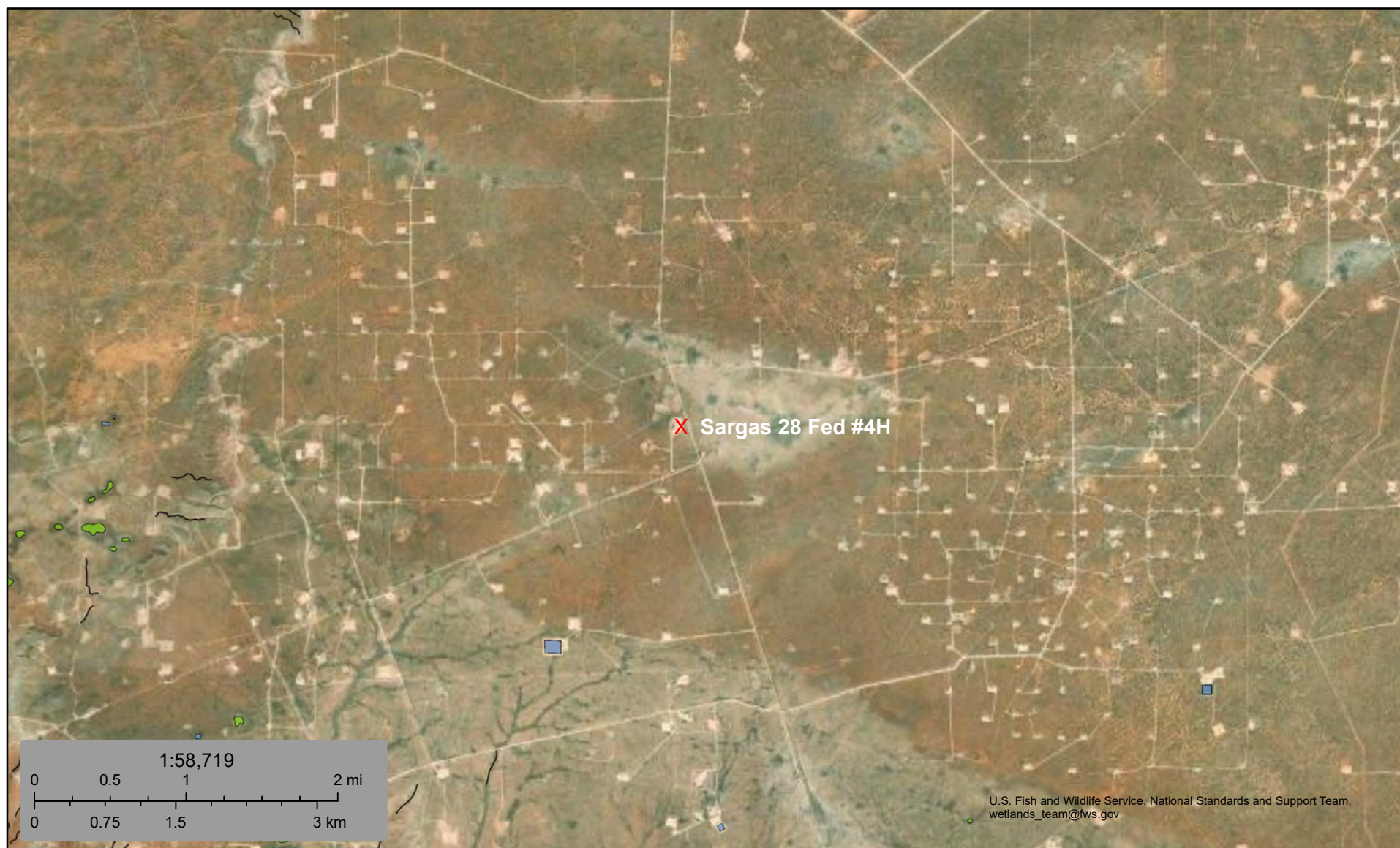
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/12/2021 at 1:40 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.



Wetlands Map



January 26, 2023

Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

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

-  Lake
-  Other
-  Riverine

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

APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Wink loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

WK—Wink loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w6c

Elevation: 2,700 to 5,000 feet

Mean annual precipitation: 5 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 250 days

Farmland classification: Not prime farmland

Map Unit Composition

Wink and similar soils: 98 percent

Minor components: 2 percent

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

Description of Wink

Setting

Landform: Depressions, swales

Landform position (three-dimensional): Talf

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 8 inches: loamy fine sand

H2 - 8 to 38 inches: fine sandy loam

H3 - 38 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 30 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Map Unit Description: Wink loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 1 percent
Ecological site: Shallow Sandy (R042XC002NM)
Hydric soil rating: No

Wink

Percent of map unit: 1 percent
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019

Sargas 28 Fed Com 4H

Devon Energy
AP# 30-015-41560
Eddy County, NM
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  Piedmont alluvial deposits
-  Quartermaster and Rustler Formations

Google Earth

Sargas 28



2 mi

APPENDIX C

48-Hour Sampling Notification NMOCD Correspondence



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 419969

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 419969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1727827603
Incident Name	NAB1727827603 SARGAS 28 FEDERAL COM 4H @ 30-015-41560
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-41560] SARGAS 28 FEDERAL COM #004H

Location of Release Source	
Site Name	SARGAS 28 FEDERAL COM 4H
Date Release Discovered	09/19/2017
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/15/2025
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	32.71568, -103.884201

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 419969

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 419969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/13/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 419969

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 419969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1727827603
Incident Name	NAB1727827603 SARGAS 28 FEDERAL COM 4H @ 30-015-41560
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-41560] SARGAS 28 FEDERAL COM #004H

Location of Release Source	
Site Name	SARGAS 28 FEDERAL COM 4H
Date Release Discovered	09/19/2017
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/15/2025
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	32.71568, -103.884201

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 419969

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 419969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/13/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 432514

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432514
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1727827603
Incident Name	NAB1727827603 SARGAS 28 FEDERAL COM 4H @ 30-015-41560
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-41560] SARGAS 28 FEDERAL COM #004H

Location of Release Source	
Site Name	SARGAS 28 FEDERAL COM 4H
Date Release Discovered	09/19/2017
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.715168, -103.884201

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 432514

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432514
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/17/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 440770

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 440770
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1727827603
Incident Name	NAB1727827603 SARGAS 28 FEDERAL COM 4H @ 30-015-41560
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-41560] SARGAS 28 FEDERAL COM #004H

Location of Release Source	
Site Name	SARGAS 28 FEDERAL COM 4H
Date Release Discovered	09/19/2017
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	550
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2025
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.715168, -103.884201

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 440770

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 440770
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025



Delrae Pima Oil <delrae@pimaoil.com>

Sargas 28 Federal Com #004H-nAB1727827603

5 messages

Delrae Pima Oil <delrae@pimaoil.com>

Tue, Jan 7, 2025 at 8:38 AM

To: "Maxwell, Ashley, EMNRD" <ashley.maxwell@emnrd.nm.gov>

Hi Ashley,

Regarding the rejected work plan below, there were additional samples taken on 1/9/2023 at 1', 3', 4', and 5' for sample areas S1 and S2. What additional samples do I need to have collected for additional delineation?

Thank you,

DelRae Geller
Project Manager
Cell: 806-724-5391
Office: 575-964-7700



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM 88240

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1727827603, for the following reasons:

- **Work plan denied.**
- **Sample areas of S1 and S2 were resampled on 4/5/21 at a depth of 6 inches. Delineation sampling conducted on 7/9/2020 indicated that samples exceeded closure criteria at 1 foot below surface. These samples were not fully delineated and require additional delineation and sampling.**
- **Submit a report via the OCD permitting portal by January 17, 2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 405936. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Ashley Maxwell
Projects Environmental Specialist - A
505-635-5000
Ashley.Maxwell@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
To: Delrae Pima Oil <delrae@pimaoil.com>

Tue, Jan 7, 2025 at 9:20 AM

Hi Delrae,

Composite samples from of the areas of S-1 and S-2 collected from 0-1 foot deep will work. I just want to make sure that the bioremediation that was used at the time has not migrated. Be sure to submit a C-141N when collecting these samples.

Ashley Maxwell • Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.635.5000 | Ashley.Maxwell@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Delrae Pima Oil <delrae@pimaoil.com>
Sent: Tuesday, January 7, 2025 8:39 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Subject: [EXTERNAL] Sargas 28 Federal Com #004H-nAB1727827603

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Maxwell, Ashley, EMNRD" <Ashley.Maxwell@emnrd.nm.gov>

Wed, Jan 15, 2025 at 10:42 AM

Hi Ashley,

These samples are being collected today. I am requesting an extension as a report is required by 1/17/25

and require a few more days to complete.

Thank you,

[Quoted text hidden]

[Quoted text hidden]

Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
To: Delrae Pima Oil <delrae@pimaoil.com>

Wed, Jan 15, 2025 at 10:45 AM

Good Morning,

Your extension request is granted. Please submit a report via the OCD permitting portal by February 12, 2025.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Maxwell, Ashley, EMNRD" <Ashley.Maxwell@emnrd.nm.gov>

Wed, Jan 15, 2025 at 10:45 AM

Thank you, Ashley. Have a wonderful day!

[Quoted text hidden]

[Quoted text hidden]

APPENDIX D

Photographic Documentation



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Sargas 28 Fed 4H

Site Photographs :



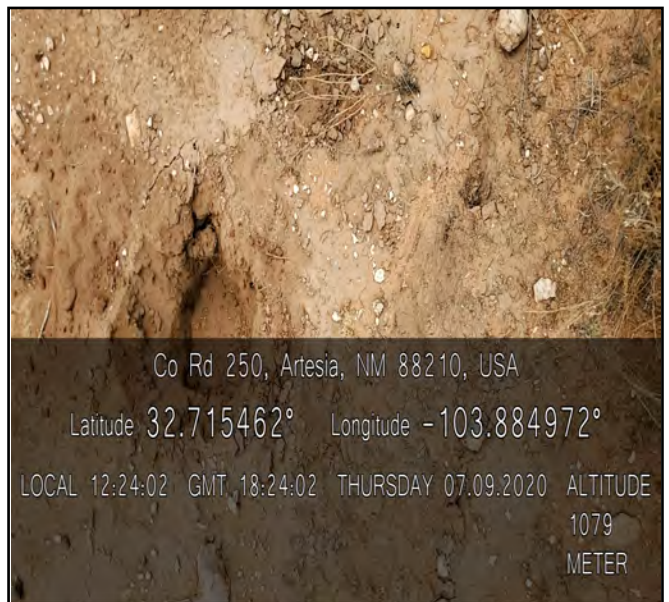
Photograph taken during site assessment.



Photograph taken during site assessment.



Photograph taken during site assessment.



Photograph taken during site assessment.



Photograph taken during site assessment.



Photograph taken during site assessment.



Photograph taken during site assessment.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Sargas 28 Fed 4H

Post Bio-remediation Chemical Solution Photos :



Photograph taken post remediation.



Photograph taken post remediation.



Photograph taken post remediation.



Photograph taken post remediation.



Co Rd 250, Artesia, NM
88210, USA

Latitude Longitude

32.71556103.884551°

LOCALWEDNESDAY 10.21.2020
GMT 15ALITUDE 1083 METER

Photograph taken post remediation.



Co Rd 250, Artesia, NM
88210, USA

Latitude Longitude

32.71557103.884573°

LOCALWEDNESDAY 10.21.2020
GMT 15ALITUDE 1081 METER

Photograph taken post remediation.



Co Rd 250, Artesia, NM
88210, USA

Latitude Longitude

32.71557103.884580°

LOCALWEDNESDAY 10.21.2020
GMT 15ALITUDE 1082 METER

Photograph taken post remediation.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Sargas 28 Fed 4H

Assessment :



Photograph of site tech assessing the location facing Northwest.



Photograph of site tech assessing the location facing Southwest.



Photograph of site tech assessing the location facing Northwest.



Photograph of site tech assessing the location facing Southeast.



Assessment aerial photo.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Sargas 28 Fed 4H

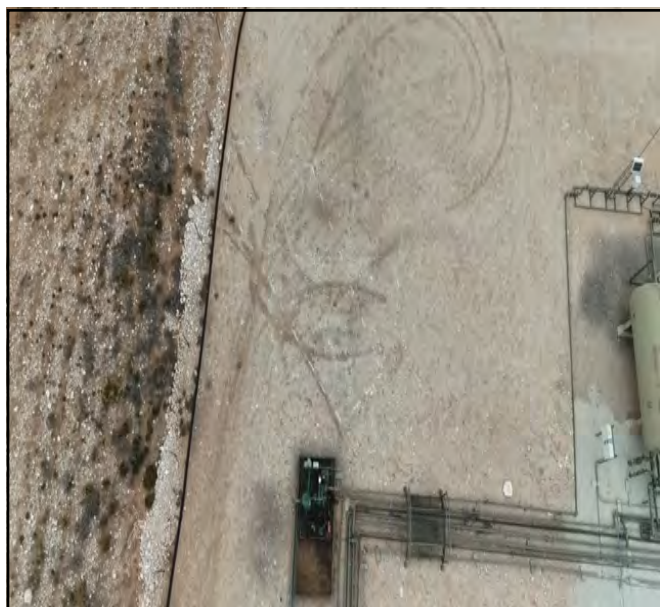
Pre- Excavation :



Photograph of site tech showing location prior to excavation, facing northwest.



Photograph of site tech showing location prior to excavation, facing west.



Photograph of site tech showing location prior to excavation.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Sargas 28 Fed 4H

Excavation :



Photograph taken during excavation facing northwest.



Photograph taken during excavation facing southeast.



Photograph taken during excavation.



Photograph taken during excavation.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Sargas 28 Fed 4H

Post Backfill :



Photo of the site backfilled with clean material
Facing southeast.



Photo of the site backfilled with clean material
Facing northwest.

APPENDIX E

Laboratory Reports



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

July 22, 2020

Chris Jones
Pima Environmental Services LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
TEL: (575) 631-6977
FAX

RE: Sargas 28 Fed 4H

OrderNo.: 2007724

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/15/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG1

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:00:00 PM

Lab ID: 2007724-001

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/17/2020 4:11:42 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/17/2020 4:11:42 PM
Surr: DNOP	111	55.1-146		%Rec	1	7/17/2020 4:11:42 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	59		mg/Kg	20	7/18/2020 9:24:41 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/16/2020 9:05:37 PM
Toluene	ND	0.050		mg/Kg	1	7/16/2020 9:05:37 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/16/2020 9:05:37 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/16/2020 9:05:37 PM
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	1	7/16/2020 9:05:37 PM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	7/16/2020 9:05:37 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/16/2020 9:05:37 PM
Surr: Toluene-d8	97.5	70-130		%Rec	1	7/16/2020 9:05:37 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/16/2020 9:05:37 PM
Surr: BFB	105	70-130		%Rec	1	7/16/2020 9:05:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG2

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:05:00 PM

Lab ID: 2007724-002

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/17/2020 4:21:50 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/17/2020 4:21:50 PM
Surr: DNOP	83.2	55.1-146		%Rec	1	7/17/2020 4:21:50 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/18/2020 10:01:42 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	7/16/2020 9:35:14 PM
Toluene	ND	0.046		mg/Kg	1	7/16/2020 9:35:14 PM
Ethylbenzene	ND	0.046		mg/Kg	1	7/16/2020 9:35:14 PM
Xylenes, Total	ND	0.092		mg/Kg	1	7/16/2020 9:35:14 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/16/2020 9:35:14 PM
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	7/16/2020 9:35:14 PM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/16/2020 9:35:14 PM
Surr: Toluene-d8	96.9	70-130		%Rec	1	7/16/2020 9:35:14 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/16/2020 9:35:14 PM
Surr: BFB	105	70-130		%Rec	1	7/16/2020 9:35:14 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG3

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:10:00 PM

Lab ID: 2007724-003

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/17/2020 4:31:59 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/17/2020 4:31:59 PM
Surr: DNOP	93.7	55.1-146		%Rec	1	7/17/2020 4:31:59 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/18/2020 10:38:43 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/16/2020 10:04:44 PM
Toluene	ND	0.048		mg/Kg	1	7/16/2020 10:04:44 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/16/2020 10:04:44 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/16/2020 10:04:44 PM
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	1	7/16/2020 10:04:44 PM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	7/16/2020 10:04:44 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	7/16/2020 10:04:44 PM
Surr: Toluene-d8	96.8	70-130		%Rec	1	7/16/2020 10:04:44 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/16/2020 10:04:44 PM
Surr: BFB	103	70-130		%Rec	1	7/16/2020 10:04:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-0-6"

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:15:00 PM

Lab ID: 2007724-004

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	6900	190		mg/Kg	20	7/17/2020 4:42:09 PM
Motor Oil Range Organics (MRO)	4500	950		mg/Kg	20	7/17/2020 4:42:09 PM
Surr: DNOP	0	55.1-146	S	%Rec	20	7/17/2020 4:42:09 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/18/2020 10:51:05 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.12		mg/Kg	5	7/17/2020 2:57:33 PM
Toluene	ND	0.23		mg/Kg	5	7/17/2020 2:57:33 PM
Ethylbenzene	ND	0.23		mg/Kg	5	7/17/2020 2:57:33 PM
Xylenes, Total	ND	0.47		mg/Kg	5	7/17/2020 2:57:33 PM
Surr: 1,2-Dichloroethane-d4	94.9	70-130		%Rec	5	7/17/2020 2:57:33 PM
Surr: 4-Bromofluorobenzene	75.7	70-130		%Rec	5	7/17/2020 2:57:33 PM
Surr: Dibromofluoromethane	98.1	70-130		%Rec	5	7/17/2020 2:57:33 PM
Surr: Toluene-d8	96.8	70-130		%Rec	5	7/17/2020 2:57:33 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	7/17/2020 2:57:33 PM
Surr: BFB	115	70-130		%Rec	5	7/17/2020 2:57:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-1'

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:20:00 PM

Lab ID: 2007724-005

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	5800	190		mg/Kg	20	7/17/2020 4:52:21 PM
Motor Oil Range Organics (MRO)	4200	940		mg/Kg	20	7/17/2020 4:52:21 PM
Surr: DNOP	0	55.1-146	S	%Rec	20	7/17/2020 4:52:21 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/18/2020 11:28:08 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.12		mg/Kg	5	7/16/2020 11:03:38 PM
Toluene	ND	0.24		mg/Kg	5	7/16/2020 11:03:38 PM
Ethylbenzene	ND	0.24		mg/Kg	5	7/16/2020 11:03:38 PM
Xylenes, Total	ND	0.48		mg/Kg	5	7/16/2020 11:03:38 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	5	7/16/2020 11:03:38 PM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	5	7/16/2020 11:03:38 PM
Surr: Dibromofluoromethane	105	70-130		%Rec	5	7/16/2020 11:03:38 PM
Surr: Toluene-d8	96.7	70-130		%Rec	5	7/16/2020 11:03:38 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/16/2020 11:03:38 PM
Surr: BFB	109	70-130		%Rec	5	7/16/2020 11:03:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S2-0-6"

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:25:00 PM

Lab ID: 2007724-006

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	11000	500		mg/Kg	50	7/17/2020 5:02:33 PM
Motor Oil Range Organics (MRO)	11000	2500		mg/Kg	50	7/17/2020 5:02:33 PM
Surr: DNOP	0	55.1-146	S	%Rec	50	7/17/2020 5:02:33 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	110	59		mg/Kg	20	7/18/2020 11:40:28 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.12		mg/Kg	5	7/16/2020 11:33:06 PM
Toluene	ND	0.24		mg/Kg	5	7/16/2020 11:33:06 PM
Ethylbenzene	ND	0.24		mg/Kg	5	7/16/2020 11:33:06 PM
Xylenes, Total	ND	0.49		mg/Kg	5	7/16/2020 11:33:06 PM
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	5	7/16/2020 11:33:06 PM
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	5	7/16/2020 11:33:06 PM
Surr: Dibromofluoromethane	104	70-130		%Rec	5	7/16/2020 11:33:06 PM
Surr: Toluene-d8	97.9	70-130		%Rec	5	7/16/2020 11:33:06 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/16/2020 11:33:06 PM
Surr: BFB	110	70-130		%Rec	5	7/16/2020 11:33:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S3-0-6"

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:30:00 PM

Lab ID: 2007724-007

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	5200	470		mg/Kg	50	7/17/2020 5:12:51 PM
Motor Oil Range Organics (MRO)	5000	2300		mg/Kg	50	7/17/2020 5:12:51 PM
Surr: DNOP	0	55.1-146	S	%Rec	50	7/17/2020 5:12:51 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	400	61		mg/Kg	20	7/18/2020 11:52:49 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.12		mg/Kg	5	7/17/2020 11:58:17 AM
Toluene	ND	0.24		mg/Kg	5	7/17/2020 11:58:17 AM
Ethylbenzene	ND	0.24		mg/Kg	5	7/17/2020 11:58:17 AM
Xylenes, Total	ND	0.49		mg/Kg	5	7/17/2020 11:58:17 AM
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	5	7/17/2020 11:58:17 AM
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	5	7/17/2020 11:58:17 AM
Surr: Dibromofluoromethane	99.3	70-130		%Rec	5	7/17/2020 11:58:17 AM
Surr: Toluene-d8	95.3	70-130		%Rec	5	7/17/2020 11:58:17 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/17/2020 11:58:17 AM
Surr: BFB	111	70-130		%Rec	5	7/17/2020 11:58:17 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S4-0-6"

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:35:00 PM

Lab ID: 2007724-008

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	26000	970		mg/Kg	100	7/17/2020 5:23:14 PM
Motor Oil Range Organics (MRO)	30000	4900		mg/Kg	100	7/17/2020 5:23:14 PM
Surr: DNOP	0	55.1-146	S	%Rec	100	7/17/2020 5:23:14 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	59		mg/Kg	20	7/18/2020 12:05:09 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/17/2020 12:28:00 PM
Toluene	ND	0.050		mg/Kg	1	7/17/2020 12:28:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/17/2020 12:28:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/17/2020 12:28:00 PM
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	1	7/17/2020 12:28:00 PM
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	7/17/2020 12:28:00 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	1	7/17/2020 12:28:00 PM
Surr: Toluene-d8	96.5	70-130		%Rec	1	7/17/2020 12:28:00 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/17/2020 12:28:00 PM
Surr: BFB	114	70-130		%Rec	1	7/17/2020 12:28:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2007724

Date Reported: 7/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S5-0-6"

Project: Sargas 28 Fed 4H

Collection Date: 7/9/2020 2:40:00 PM

Lab ID: 2007724-009

Matrix: SOIL

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	64	9.7		mg/Kg	1	7/19/2020 5:45:01 AM
Motor Oil Range Organics (MRO)	170	48		mg/Kg	1	7/19/2020 5:45:01 AM
Surr: DNOP	106	55.1-146		%Rec	1	7/19/2020 5:45:01 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/18/2020 12:17:30 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	7/17/2020 12:57:48 PM
Toluene	ND	0.047		mg/Kg	1	7/17/2020 12:57:48 PM
Ethylbenzene	ND	0.047		mg/Kg	1	7/17/2020 12:57:48 PM
Xylenes, Total	ND	0.093		mg/Kg	1	7/17/2020 12:57:48 PM
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%Rec	1	7/17/2020 12:57:48 PM
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	7/17/2020 12:57:48 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	7/17/2020 12:57:48 PM
Surr: Toluene-d8	96.4	70-130		%Rec	1	7/17/2020 12:57:48 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/17/2020 12:57:48 PM
Surr: BFB	111	70-130		%Rec	1	7/17/2020 12:57:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007724

22-Jul-20

Client: Pima Environmental Services LLC

Project: Sargas 28 Fed 4H

Sample ID: MB-53800		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 53800			RunNo: 70443						
Prep Date: 7/18/2020	Analysis Date: 7/18/2020			SeqNo: 2449188			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53800		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 53800			RunNo: 70443						
Prep Date: 7/18/2020	Analysis Date: 7/18/2020			SeqNo: 2449189			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007724

22-Jul-20

Client: Pima Environmental Services LLC**Project:** Sargas 28 Fed 4H

Sample ID: MB-53750	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53750	RunNo: 70416								
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448420 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		112	55.1	146			

Sample ID: LCS-53750	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53750	RunNo: 70415								
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448671 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	97.0	70	130			
Surr: DNOP	4.0		5.000		79.0	55.1	146			

Sample ID: MB-53759	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53759	RunNo: 70415								
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448672 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	55.1	146			

Sample ID: LCS-53759	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53759	RunNo: 70415								
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448673 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		99.9	55.1	146			

Sample ID: MB-53768	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53768	RunNo: 70449								
Prep Date: 7/16/2020	Analysis Date: 7/18/2020	SeqNo: 2450409 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		86.2	55.1	146			

Sample ID: LCS-53768	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53768	RunNo: 70449								
Prep Date: 7/16/2020	Analysis Date: 7/18/2020	SeqNo: 2450412 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		82.6	55.1	146			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 11 of 13

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007724

22-Jul-20

Client: Pima Environmental Services LLC**Project:** Sargas 28 Fed 4H

Sample ID: mb-53736	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 53736	RunNo: 70397								
Prep Date: 7/15/2020	Analysis Date: 7/16/2020	SeqNo: 2447161 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.2	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.5	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.7	70	130			
Surr: Toluene-d8	0.49		0.5000		98.0	70	130			

Sample ID: lcs-53736	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 53736	RunNo: 70397								
Prep Date: 7/15/2020	Analysis Date: 7/16/2020	SeqNo: 2447162 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.5	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.7	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		97.2	70	130			
Surr: Toluene-d8	0.48		0.5000		96.9	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007724
22-Jul-20

Client: Pima Environmental Services LLC
Project: Sargas 28 Fed 4H

Sample ID: mb-53736		SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS		Batch ID: 53736		RunNo: 70397							
Prep Date: 7/15/2020		Analysis Date: 7/16/2020		SeqNo: 2447271			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		ND	5.0								
Surr: BFB		540		500.0		108	70	130			

Sample ID: Ics-53736		SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS		Batch ID: 53736			RunNo: 70397						
Prep Date: 7/15/2020		Analysis Date: 7/16/2020			SeqNo: 2447272		Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		23	5.0	25.00	0	93.2	70	130			
Surr: BFB		540		500.0		108	70	130			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Pima Environmental Services LLC

Work Order Number: 2007724

RcptNo: 1

Received By: Scott Anderson 7/15/2020 9:30:00 AM

Completed By: Juan Rojas 7/15/2020 10:14:37 AM

Reviewed By: gm 7/15/20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 7/15/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good				

Chain-of-Custody Record

Client: Pima EnvironmentalMailing Address: 1601 N. TULSAER STE 500Hobbs, NM 88240Phone #: 575-631-6977email or Fax#: Chris@PimaOil.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

SARGAS 28 Fed #44H

Project #:

WBS #20868756

Project Manager:

Chris Jones

Sampler:

On Ice: ☒ Yes ☐ No# of Coolers: 1Cooler Temp (including CF): 3.3 to 3.4 (°C)

Container Type and #

Preservative Type

HEAL No.

BTX / MTBE / TMB's (8021)

TPH: 8015D (GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride

Remarks:

Devon Direct BillReceived by: [Signature] Date: 7/14/20 Time: 09:30Received by: [Signature] Date: 7/15/20 Time: 9:30Relinquished by: [Signature]Date: 7/14/20 Time: 09:30Relinquished by: [Signature]Date: 7/14/20 Time: 09:30



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

April 13, 2021

Tom Bynum

Pima Environmental Services LLC

1601 N. Turner Ste 500

Hobbs, NM 88240

TEL: (575) 631-6977

FAX:

RE: Sargas 28 Fed 4H

OrderNo.: 2104265

Dear Tom Bynum:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/7/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2104265

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 Surface

Project: Sargas 28 Fed 4H

Collection Date: 4/5/2021

Lab ID: 2104265-001

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	4/9/2021 3:51:23 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	4/9/2021 3:51:23 PM
Surr: DNOP	74.5	70-130		%Rec	1	4/9/2021 3:51:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/9/2021 12:31:49 PM
Surr: BFB	95.5	70-130		%Rec	1	4/9/2021 12:31:49 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2104265

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 Surface

Project: Sargas 28 Fed 4H

Collection Date: 4/5/2021

Lab ID: 2104265-002

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/9/2021 4:01:05 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/9/2021 4:01:05 PM
Surr: DNOP	77.6	70-130		%Rec	1	4/9/2021 4:01:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/9/2021 1:42:21 PM
Surr: BFB	93.9	70-130		%Rec	1	4/9/2021 1:42:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2104265

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 Surface

Project: Sargas 28 Fed 4H

Collection Date: 4/5/2021

Lab ID: 2104265-003

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/9/2021 4:10:45 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/9/2021 4:10:45 PM
Surr: DNOP	81.7	70-130		%Rec	1	4/9/2021 4:10:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/9/2021 2:05:54 PM
Surr: BFB	94.9	70-130		%Rec	1	4/9/2021 2:05:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2104265

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 Surface

Project: Sargas 28 Fed 4H

Collection Date: 4/5/2021

Lab ID: 2104265-004

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/9/2021 4:20:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/9/2021 4:20:23 PM
Surr: DNOP	89.8	70-130		%Rec	1	4/9/2021 4:20:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/9/2021 3:16:31 PM
Surr: BFB	96.0	70-130		%Rec	1	4/9/2021 3:16:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104265

13-Apr-21

Client: Pima Environmental Services LLC**Project:** Sargas 28 Fed 4H

Sample ID: MB-59293	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 59293		RunNo: 76586							
Prep Date: 4/8/2021	Analysis Date: 4/9/2021		SeqNo: 2713306		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		119	70	130			

Sample ID: LCS-59293	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 59293		RunNo: 76586							
Prep Date: 4/8/2021	Analysis Date: 4/9/2021		SeqNo: 2713308		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	103	68.9	141			
Surr: DNOP	5.0		5.000		101	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 5 of 6

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104265

13-Apr-21

Client: Pima Environmental Services LLC**Project:** Sargas 28 Fed 4H

Sample ID: mb-59289	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 59289		RunNo: 76573							
Prep Date: 4/7/2021	Analysis Date: 4/9/2021		SeqNo: 2713478		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.9	70	130			

Sample ID: lcs-59289	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 59289		RunNo: 76573							
Prep Date: 4/7/2021	Analysis Date: 4/9/2021		SeqNo: 2713479		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB	1100		1000		106	70	130			

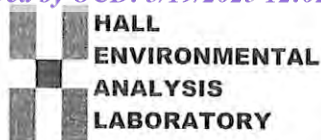
Sample ID: 2104265-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-1 Surface	Batch ID: 59289		RunNo: 76573							
Prep Date: 4/7/2021	Analysis Date: 4/9/2021		SeqNo: 2713481		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.63	0	101	61.3	114			
Surr: BFB	1100		985.2		107	70	130			

Sample ID: 2104265-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-1 Surface	Batch ID: 59289		RunNo: 76573							
Prep Date: 4/7/2021	Analysis Date: 4/9/2021		SeqNo: 2713482		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.22	0	101	61.3	114	2.02	20	
Surr: BFB	1000		969.0		104	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Pima Environmental Services LLC

Work Order Number: 2104265

RcptNo: 1

Received By: Juan Rojas

4/7/2021 9:50:00 AM

Juan Rojas

Completed By: Cheyenne Cason

4/7/2021 11:05:18 AM

Reviewed By:

JR 4/7/21

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *SPA 4.7.21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

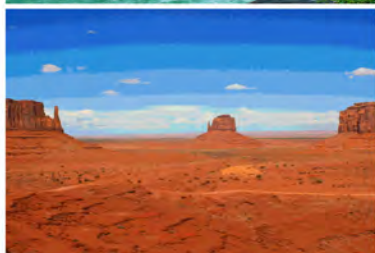
16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good				

Project

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Sargas 28 Fed Com 4H

Work Order: E301036

Job Number: 01058-0007

Received: 1/11/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/13/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/13/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sargas 28 Fed Com 4H
Workorder: E301036
Date Received: 1/11/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2023 8:30:00AM, under the Project Name: Sargas 28 Fed Com 4H.

The analytical test results summarized in this report with the Project Name: Sargas 28 Fed Com 4H 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/13/23 12:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E301036-01A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S1 - 3'	E301036-02A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S1 - 4'	E301036-03A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S1 - 5'	E301036-04A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S2 - 1'	E301036-05A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S2 - 3'	E301036-06A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S2 - 4'	E301036-07A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S2 - 5'	E301036-08A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S3 - 1'	E301036-09A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S3 - 3'	E301036-10A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S3 - 4'	E301036-11A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S3 - 5'	E301036-12A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S4 - 1'	E301036-13A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S4 - 3'	E301036-14A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S4 - 4'	E301036-15A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
S4 - 5'	E301036-16A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
SW1	E301036-17A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
SW2	E301036-18A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
SW3	E301036-19A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
SW4	E301036-20A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
BG1	E301036-21A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.
BG2	E301036-22A	Soil	01/09/23	01/11/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S1 - 1'

E301036-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
Surrogate: n-Nonane		102 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	527	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S1 - 3'

E301036-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	436	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S1 - 4'

E301036-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	215	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S1 - 5'

E301036-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0282	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S2 - 1'

E301036-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		97.0 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	500	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S2 - 3'

E301036-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	459	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S2 - 4'

E301036-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	208	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S2 - 5'

E301036-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0287	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S3 - 1'

E301036-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	10700	500	20	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	8640	1000	20	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		141 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	41.0	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S3 - 3'

E301036-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	409	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S3 - 4'

E301036-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		98.7 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	224	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S3 - 5'

E301036-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0264	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S4 - 1'

E301036-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	11500	1250	50	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	8960	2500	50	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		172 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	36.9	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S4 - 3'

E301036-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	414	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S4 - 4'

E301036-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/11/23	
<i>Surrogate: n-Nonane</i>						
		96.4 %	50-200	01/11/23	01/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	265	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

S4 - 5'

E301036-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0264	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/11/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

SW1

E301036-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0280	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/12/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

SW2

E301036-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0295	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/12/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

SW3

E301036-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0294	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/12/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

SW4

E301036-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	0.0291	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302041
Chloride	ND	20.0	1	01/11/23	01/12/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

BG1

E301036-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302036
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302038
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/11/23	01/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302040
Chloride	ND	20.0	1	01/11/23	01/12/23	



Sample Data

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

Project Name: Sargas 28 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/13/2023 12:59:47PM

BG2

E301036-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302036
Benzene	ND	0.0250	1	01/11/23	01/11/23	
Ethylbenzene	ND	0.0250	1	01/11/23	01/11/23	
Toluene	ND	0.0250	1	01/11/23	01/11/23	
o-Xylene	ND	0.0250	1	01/11/23	01/11/23	
p,m-Xylene	ND	0.0500	1	01/11/23	01/11/23	
Total Xylenes	ND	0.0250	1	01/11/23	01/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2302036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/23	01/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	01/11/23	01/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2302038
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/23	01/12/23	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	01/11/23	01/12/23	M4
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2302040
Chloride	ND	20.0	1	01/11/23	01/12/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported: 1/13/2023 12:59:47PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302036-BLK1)

Prepared: 01/11/23 Analyzed: 01/11/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			

LCS (2302036-BS1)

Prepared: 01/11/23 Analyzed: 01/11/23

Benzene	4.21	0.0250	5.00		84.3	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			

LCS Dup (2302036-BSD1)

Prepared: 01/11/23 Analyzed: 01/11/23

Benzene	4.50	0.0250	5.00		90.0	70-130	6.58	20	
Ethylbenzene	4.85	0.0250	5.00		97.1	70-130	5.76	20	
Toluene	4.89	0.0250	5.00		97.8	70-130	5.98	20	
o-Xylene	5.00	0.0250	5.00		100	70-130	5.05	20	
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130	5.58	20	
Total Xylenes	14.9	0.0250	15.0		99.0	70-130	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported: 1/13/2023 12:59:47PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302037-BLK1)

Prepared: 01/11/23 Analyzed: 01/11/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			

LCS (2302037-BS1)

Prepared: 01/11/23 Analyzed: 01/11/23

Benzene	4.34	0.0250	5.00		86.8	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.5	70-130			
Toluene	4.71	0.0250	5.00		94.3	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			

LCS Dup (2302037-BSD1)

Prepared: 01/11/23 Analyzed: 01/11/23

Benzene	4.23	0.0250	5.00		84.6	70-130	2.49	20	
Ethylbenzene	4.54	0.0250	5.00		90.9	70-130	2.78	20	
Toluene	4.59	0.0250	5.00		91.9	70-130	2.58	20	
o-Xylene	4.69	0.0250	5.00		93.8	70-130	2.51	20	
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130	2.72	20	
Total Xylenes	13.9	0.0250	15.0		92.8	70-130	2.65	20	
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported: 1/13/2023 12:59:47PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302036-BLK1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

LCS (2302036-BS2)					Prepared: 01/11/23 Analyzed: 01/11/23				
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			

LCS Dup (2302036-BSD2)					Prepared: 01/11/23 Analyzed: 01/11/23				
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130	5.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/13/2023 12:59:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302037-BLK1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

LCS (2302037-BS2)					Prepared: 01/11/23 Analyzed: 01/11/23				
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

LCS Dup (2302037-BSD2)					Prepared: 01/11/23 Analyzed: 01/11/23				
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.1	70-130	1.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/13/2023 12:59:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302038-BLK1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS (2302038-BS1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			

Matrix Spike (2302038-MS1)					Source: E301035-01		Prepared: 01/11/23 Analyzed: 01/12/23		
Diesel Range Organics (C10-C28)	12000	1250	250	12200	NR	38-132			M4
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			

Matrix Spike Dup (2302038-MSD1)					Source: E301035-01		Prepared: 01/11/23 Analyzed: 01/12/23		
Diesel Range Organics (C10-C28)	12000	1250	250	12200	NR	38-132	0.226	20	M4
Surrogate: n-Nonane	47.3		50.0		94.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/13/2023 12:59:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302039-BLK1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			

LCS (2302039-BS1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	48.9		50.0		97.8	50-200			

Matrix Spike (2302039-MS1)					Source: E301036-15		Prepared: 01/11/23 Analyzed: 01/11/23		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	48.0		50.0		96.1	50-200			

Matrix Spike Dup (2302039-MSD1)					Source: E301036-15		Prepared: 01/11/23 Analyzed: 01/11/23		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	0.0524	20	
Surrogate: n-Nonane	45.3		50.0		90.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/13/2023 12:59:47PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2302040-BLK1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Chloride	ND	20.0							
LCS (2302040-BS1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2302040-MS1)					Source: E301034-01		Prepared: 01/11/23 Analyzed: 01/11/23		
Chloride	615	20.0	250	365	99.9	80-120			
Matrix Spike Dup (2302040-MSD1)					Source: E301034-01		Prepared: 01/11/23 Analyzed: 01/11/23		
Chloride	622	20.0	250	365	103	80-120	1.16	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Fed Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/13/2023 12:59:47PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2302041-BLK1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Chloride	ND	20.0							
LCS (2302041-BS1)					Prepared: 01/11/23 Analyzed: 01/11/23				
Chloride	268	20.0	250		107	90-110			
Matrix Spike (2302041-MS1)					Source: E301036-01		Prepared: 01/11/23 Analyzed: 01/11/23		
Chloride	746	20.0	250	527	87.7	80-120			
Matrix Spike Dup (2302041-MSD1)					Source: E301036-01		Prepared: 01/11/23 Analyzed: 01/11/23		
Chloride	728	20.0	250	527	80.6	80-120	2.43	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:	Sargas 28 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/13/23 12:59

- 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

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					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Sargas 28 Fed Com 44</u>					Attention: <u>Devon</u>		Lab WO# <u>E301036</u>		Job Number <u>01058-0057</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
Phone: 580-748-1613					Email:		Chloride 300.0									
Email: tom@pimaoil.com					Pima Project # <u>1-16</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
8:00	1/9/23	S	1	S1-1'	1											
8:05				S1-3'	2											
8:10				S1-4'	3											
8:15				S1-5'	4											
8:20				S2-1'	5											
8:25				S2-3'	6											
8:30				S2-4'	7											
8:35				S2-5'	8											
8:40				S3-1'	9											
8:45				S3-3'	10											
Additional Instructions: <u>Billing# 208 687 56</u>																
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. Sampled by: <u>Adriana Benander</u>																
Relinquished by: (Signature) <u>AB</u>		Date <u>1-10-23</u>	Time <u>12:00</u>	Received by: (Signature) <u>Michelle Cuyes</u>		Date <u>1-10-23</u>	Time <u>12:00</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.								
Relinquished by: (Signature) <u>Michelle Cuyes</u>		Date <u>1-10-23</u>	Time <u>11:30</u>	Received by: (Signature) <u>Doreen Pen</u>		Date <u>1-10-23</u>	Time <u>17:00</u>	Lab Use Only Received on ice: <u>Y</u> / N								
Relinquished by: (Signature) <u>Doreen Pen</u>		Date <u>1-10-23</u>	Time <u>22:45</u>	Received by: (Signature) <u>Caitlin Chater</u>		Date <u>1/11/23</u>	Time <u>8:30</u>	T1 _____ T2 _____ T3 _____								
Sample Matrix: <u>S</u> - Soil, <u>sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other						Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Sargas 28 Fed Com44</u>					Attention: <u>Devon</u>		Lab WO# <u>E301036</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
Phone: 580-748-1613					Email:		Chloride 300.0						BGDOC NM		BGDOC TX	
Email: tom@pimaoil.com					Pima Project # <u>1-16</u>											
Report due by:															State	
															NM CO UT AZ TX	
															Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
8:50	1/9/23	S	1	S3-4'	11											
8:55				S3-5'	12											
9:00				S4-1'	13											
9:05				S4-3'	14											
9:10				S4-4'	15											
9:15				S4-5'	16											
9:20				SW1	17											
9:25				SW2	18											
9:30				SW3	19											
9:35				SW4	20											
Additional Instructions: <u>Billing # 20868756</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Audriana Benavidez</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.																
Relinquished by: (Signature) <u>AS</u>		Date <u>1-10-23</u>		Time <u>12:00</u>		Received by: (Signature) <u>Nichelle Cupak</u>		Date <u>1-10-23</u>		Time <u>12:00</u>		Lab Use Only				
Relinquished by: (Signature) <u>Nichelle Cupak</u>		Date <u>1-10-23</u>		Time <u>16:30</u>		Received by: (Signature) <u>Lorena Lee</u>		Date <u>1-10-23</u>		Time <u>17:00</u>		Received on ice: <u>Y</u> / N				
Relinquished by: (Signature) <u>Lorena Lee</u>		Date <u>1-10-23</u>		Time <u>22:45</u>		Received by: (Signature) <u>Caitlin Chute</u>		Date <u>1/11/23</u>		Time <u>8:30</u>		T1 _____ T2 _____ T3 _____				
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other										Container Type: <u>G</u> - glass, <u>P</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																



Envirotech Analytical Laboratory

Printed: 1/11/2023 9:59:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/11/23 08:30	Work Order ID:	E301036
Phone:	(575) 631-6977	Date Logged In:	01/11/23 08:02	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	01/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

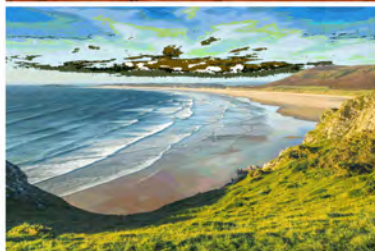
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Delrae Geller



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Sargas 28 Federal 4H

Work Order: E501103

Job Number: 01058-0007

Received: 1/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/17/25

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: 1/17/25



Delrae Geller
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Sargas 28 Federal 4H
Workorder: E501103
Date Received: 1/17/2025 5:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2025 5:00:00AM, under the Project Name: Sargas 28 Federal 4H.

The analytical test results summarized in this report with the Project Name: Sargas 28 Federal 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported: 01/17/25 11:54
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Delrae Geller	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-(0-1') Comp.	E501103-01A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
S2- (0-1') Comp.	E501103-02A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Sargas 28 Federal 4H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 1/17/2025 11:54:34AM
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S1-(0-1') Comp.

E501103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503093	
Benzene	ND	0.0250	1	01/17/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/17/25	
Toluene	ND	0.0250	1	01/17/25	01/17/25	
o-Xylene	ND	0.0250	1	01/17/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/17/25	
Surrogate: 4-Bromochlorobenzene-PID	79.4 %	70-130		01/17/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		01/17/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503091	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/25	01/17/25	
Surrogate: n-Nonane	105 %	50-200		01/16/25	01/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2503090	
Chloride	ND	20.0	1	01/17/25	01/17/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
1/17/2025 11:54:34AM

S2- (0-1') Comp.

E501103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503093
Benzene	ND	0.0250	1	01/17/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/17/25	
Toluene	ND	0.0250	1	01/17/25	01/17/25	
o-Xylene	ND	0.0250	1	01/17/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/17/25	
Surrogate: 4-Bromochlorobenzene-PID	78.5 %	70-130		01/17/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503093
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		01/17/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503091
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/25	01/17/25	
Surrogate: n-Nonane	106 %	50-200		01/16/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2503090
Chloride	ND	20.0	1	01/17/25	01/17/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Delrae Geller	1/17/2025 11:54:34AM

Volatile Organics by EPA 8021B

Analyst: SL

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 (2503093-BLK1)

Prepared: 01/16/25 Analyzed: 01/16/25

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	7.07		8.00		88.4	70-130			

LCS (2503093-BS1)

Prepared: 01/16/25 Analyzed: 01/17/25

Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.85	0.0250	5.00		97.1	70-130			
o-Xylene	4.79	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
Total Xylenes	14.5	0.0250	15.0		96.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.01		8.00		87.6	70-130			

LCS Dup (2503093-BSD1)

Prepared: 01/16/25 Analyzed: 01/17/25

Benzene	4.94	0.0250	5.00		98.8	70-130	1.91	20	
Ethylbenzene	4.89	0.0250	5.00		97.7	70-130	2.22	20	
Toluene	4.95	0.0250	5.00		99.0	70-130	1.99	20	
o-Xylene	4.86	0.0250	5.00		97.2	70-130	1.38	20	
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130	2.30	20	
Total Xylenes	14.8	0.0250	15.0		98.7	70-130	2.00	20	
Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Delrae Geller	1/17/2025 11:54:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2503093-BLK1) Prepared: 01/16/25 Analyzed: 01/16/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

LCS (2503093-BS2) Prepared: 01/16/25 Analyzed: 01/17/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

LCS Dup (2503093-BSD2) Prepared: 01/16/25 Analyzed: 01/17/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.4	70-130	6.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Delrae Geller	1/17/2025 11:54:34AM

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 (2503091-BLK1)					Prepared: 01/16/25 Analyzed: 01/16/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2503091-BS1)					Prepared: 01/16/25 Analyzed: 01/16/25				
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS Dup (2503091-BSD1)					Prepared: 01/16/25 Analyzed: 01/16/25				
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132	2.03	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Delrae Geller	1/17/2025 11:54:34AM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2503090-BLK1)					Prepared: 01/16/25 Analyzed: 01/16/25				
Chloride	ND	20.0							
LCS (2503090-BS1)					Prepared: 01/16/25 Analyzed: 01/16/25				
Chloride	251	20.0	250		101	90-110			
LCS Dup (2503090-BSD1)					Prepared: 01/16/25 Analyzed: 01/16/25				
Chloride	253	20.0	250		101	90-110	0.659	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

Devon Energy - Carlsbad	Project Name:	Sargas 28 Federal 4H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Delrae Geller	01/17/25 11:54

- 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.



Envirotech Analytical Laboratory

Printed: 1/17/2025 10:28:00AM

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:	Devon Energy - Carlsbad	Date Received:	01/17/25 05:00	Work Order ID:	E501103
Phone:	(575) 748-0176	Date Logged In:	01/16/25 14:21	Logged In By:	Caitlin Mars
Email:	delrac@pimaoil.com	Due Date:	01/17/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

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:
Delrae Geller



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Sargas 28 Federal 4H

Work Order: E502177

Job Number: 01058-0007

Received: 2/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/20/25

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: 2/20/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247



Project Name: Sargas 28 Federal 4H
Workorder: E502177
Date Received: 2/20/2025 5:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/20/2025 5:00:00AM, under the Project Name: Sargas 28 Federal 4H.

The analytical test results summarized in this report with the Project Name: Sargas 28 Federal 4H 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:	Sargas 28 Federal 4H	Reported: 02/20/25 15:27
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-COMP	E502177-01A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CS2-COMP	E502177-02A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CS3-COMP	E502177-03A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CS4-COMP	E502177-04A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CSW1-COMP	E502177-05A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CSW2-COMP	E502177-06A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CSW3-COMP	E502177-07A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.
CSW4-COMP	E502177-08A	Soil	02/19/25	02/20/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CS1-COMP

E502177-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508080	
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.8 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508086	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508081	
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CS2-COMP

E502177-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CS3-COMP

E502177-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.1 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CS4-COMP

E502177-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.8 %	70-130	02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CSW1-COMP

E502177-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.1 %	70-130	02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		75.9 %	70-130	02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CSW2-COMP

E502177-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	75.5 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CSW3-COMP

E502177-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	76.0 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



Sample Data

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

Project Name: Sargas 28 Federal 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
2/20/2025 3:27:55PM

CSW4-COMP

E502177-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Benzene	ND	0.0250	1	02/19/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/20/25	
Toluene	ND	0.0250	1	02/19/25	02/20/25	
o-Xylene	ND	0.0250	1	02/19/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508080
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	75.4 %	70-130		02/19/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508086
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/20/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/20/25	02/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508081
Chloride	ND	20.0	1	02/19/25	02/20/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	2/20/2025 3:27:55PM

Volatile Organics by EPA 8021B

Analyst: SL

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 (2508080-BLK1)

Prepared: 02/19/25 Analyzed: 02/19/25

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	6.81		8.00		85.1	70-130			

LCS (2508080-BS1)

Prepared: 02/19/25 Analyzed: 02/19/25

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.5	70-130			
Toluene	5.00	0.0250	5.00		99.9	70-130			
o-Xylene	4.89	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130			
Total Xylenes	14.8	0.0250	15.0		98.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.81		8.00		85.1	70-130			

LCS Dup (2508080-BSD1)

Prepared: 02/19/25 Analyzed: 02/19/25

Benzene	5.15	0.0250	5.00		103	70-130	1.30	20	
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130	1.27	20	
Toluene	5.06	0.0250	5.00		101	70-130	1.32	20	
o-Xylene	4.94	0.0250	5.00		98.8	70-130	1.03	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	1.19	20	
Total Xylenes	15.0	0.0250	15.0		99.7	70-130	1.14	20	
Surrogate: 4-Bromochlorobenzene-PID	6.83		8.00		85.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	2/20/2025 3:27:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2508080-BLK1) Prepared: 02/19/25 Analyzed: 02/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

LCS (2508080-BS2) Prepared: 02/19/25 Analyzed: 02/19/25

Gasoline Range Organics (C6-C10)	37.7	20.0	50.0		75.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			

LCS Dup (2508080-BSD2) Prepared: 02/19/25 Analyzed: 02/19/25

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0		76.6	70-130	1.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	2/20/2025 3:27:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2508086-BLK1)					Prepared: 02/20/25 Analyzed: 02/20/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			

LCS (2508086-BS1)					Prepared: 02/20/25 Analyzed: 02/20/25				
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	47.0		50.0		94.0	61-141			

LCS Dup (2508086-BSD1)					Prepared: 02/20/25 Analyzed: 02/20/25				
Diesel Range Organics (C10-C28)	259	25.0	250		103	66-144	1.55	20	
Surrogate: n-Nonane	47.8		50.0		95.7	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	2/20/2025 3:27:55PM

Anions by EPA 300.0/9056A

Analyst: DT

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 (2508081-BLK1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Chloride	ND	20.0							
LCS (2508081-BS1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2508081-MS1)					Source: E502175-02		Prepared: 02/19/25 Analyzed: 02/19/25		
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2508081-MSD1)					Source: E502175-02		Prepared: 02/19/25 Analyzed: 02/19/25		
Chloride	269	20.0	250	ND	107	80-120	0.262	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:	Sargas 28 Federal 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	02/20/25 15:27

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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Pima Environmental Services, LLC				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Sargas 28 Federal 4H				Address:		E 50277	01058-0007	X				X							
Project Manager: DelRae Geller				City, State, Zip:															
Address: 5614 N Lovington Hwy				Phone:															
City, State, Zip: Hobbs, NM 88240				Email:															
Phone: 806-724-5391				Miscellaneous: Project No. #1-16															
Email: delrae@pimaoil.com																			
Sample Information							Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCFQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
8:00	2/19/2025	S		CS1-COMP.		1						X							
8:11				CS2-COMP.		2													
8:17				CS3-COMP.		3													
8:27				CS4-COMP.		4													
8:29				CSW1-COMP.		5													
8:33				CSW2-COMP.		6													
8:39				CSW3-COMP.		7													
8:44				CSW4-COMP.		8													
Additional Instructions: W/O # 21192297																			
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.																			
Sampled by: Andrew Franco																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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 oC on subsequent days.													
Andrew Franco	2/19/25	11:06	Karime Adams	2/19/25	11:16	Lab Use Only Received on ice: ☒ Y / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Karime Adams	2/19/25	11:58	Michelle Gonzales	2-19-25	1420														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Michelle Gonzales	2-19-25	1620	Richard Gonzalez	2-19-25	1620														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Richard Gonzalez	2-19-25	2200	Myah R. Hall	2-20-25	0500														
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 14 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: 2/20/2025 8:45:58AM

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:	02/20/25 05:00	Work Order ID:	E502177
Phone:	(575) 631-6977	Date Logged In:	02/19/25 14:48	Logged In By:	Caitlin Mars
Email:		Due Date:	02/20/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers 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

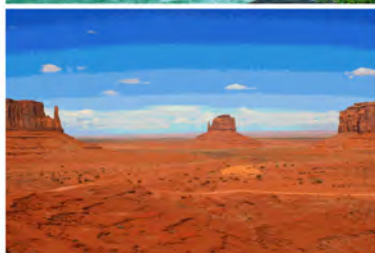
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Delrae Geller



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Sargas 28 Federal Com 4H

Work Order: E503093

Job Number: 01058-0007

Received: 3/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/14/25

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

Date Reported: 3/14/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247



Project Name: Sargas 28 Federal Com 4H
Workorder: E503093
Date Received: 3/14/2025 4:30:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2025 4:30:00AM, under the Project Name: Sargas 28 Federal Com 4H.

The analytical test results summarized in this report with the Project Name: Sargas 28 Federal Com 4H 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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Cell: 775-287-1762
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal Com 4H	Reported: 03/14/25 14:01
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Backfill 1	E503093-01A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
Backfill 2	E503093-02A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
S1-Surface	E503093-03A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
S2-Surface	E503093-04A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Sargas 28 Federal Com 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
3/14/2025 2:01:05PM

Backfill 1

E503093-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2511068	
Benzene	ND	0.0250	1	03/14/25	03/14/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/14/25	
Toluene	ND	0.0250	1	03/14/25	03/14/25	
o-Xylene	ND	0.0250	1	03/14/25	03/14/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/14/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		80.1 %	70-130	03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2511068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2511070	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
<i>Surrogate: n-Nonane</i>		98.7 %	61-141	03/14/25	03/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2511069	
Chloride	90.6	20.0	1	03/14/25	03/14/25	



Sample Data

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

Project Name: Sargas 28 Federal Com 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
3/14/2025 2:01:05PM

Backfill 2

E503093-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2511068	
Benzene	ND	0.0250	1	03/14/25	03/14/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/14/25	
Toluene	ND	0.0250	1	03/14/25	03/14/25	
o-Xylene	ND	0.0250	1	03/14/25	03/14/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/14/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.0 %	70-130		03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2511068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.7 %	70-130		03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2511070	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		03/14/25	03/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2511069	
Chloride	86.3	20.0	1	03/14/25	03/14/25	



Sample Data

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

Project Name: Sargas 28 Federal Com 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
3/14/2025 2:01:05PM

S1-Surface

E503093-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2511068
Benzene	ND	0.0250	1	03/14/25	03/14/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/14/25	
Toluene	ND	0.0250	1	03/14/25	03/14/25	
o-Xylene	ND	0.0250	1	03/14/25	03/14/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/14/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.4 %	70-130		03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2511068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
<i>Surrogate: n-Nonane</i>						
	94.1 %	61-141		03/14/25	03/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2511069
Chloride	ND	20.0	1	03/14/25	03/14/25	



Sample Data

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

Project Name: Sargas 28 Federal Com 4H
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
3/14/2025 2:01:05PM

S2-Surface

E503093-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2511068
Benzene	ND	0.0250	1	03/14/25	03/14/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/14/25	
Toluene	ND	0.0250	1	03/14/25	03/14/25	
o-Xylene	ND	0.0250	1	03/14/25	03/14/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/14/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.7 %	70-130		03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2511068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		03/14/25	03/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
<i>Surrogate: n-Nonane</i>						
	96.0 %	61-141		03/14/25	03/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2511069
Chloride	ND	20.0	1	03/14/25	03/14/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	3/14/2025 2:01:05PM

Volatile Organics by EPA 8021B

Analyst: SL

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 (2511068-BLK1)

Prepared: 03/14/25 Analyzed: 03/14/25

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	6.33		8.00		79.2	70-130			

LCS (2511068-BS1)

Prepared: 03/14/25 Analyzed: 03/14/25

Benzene	4.94	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.7	70-130			
Toluene	4.86	0.0250	5.00		97.1	70-130			
o-Xylene	4.69	0.0250	5.00		93.8	70-130			
p,m-Xylene	9.62	0.0500	10.0		96.2	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.38		8.00		79.8	70-130			

LCS Dup (2511068-BS1)

Prepared: 03/14/25 Analyzed: 03/14/25

Benzene	4.98	0.0250	5.00		99.5	70-130	0.802	20	
Ethylbenzene	4.77	0.0250	5.00		95.5	70-130	0.803	20	
Toluene	4.89	0.0250	5.00		97.9	70-130	0.774	20	
o-Xylene	4.74	0.0250	5.00		94.8	70-130	1.07	20	
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130	0.855	20	
Total Xylenes	14.4	0.0250	15.0		96.3	70-130	0.925	20	
Surrogate: 4-Bromochlorobenzene-PID	6.32		8.00		78.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	3/14/2025 2:01:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2511068-BLK1) Prepared: 03/14/25 Analyzed: 03/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.4	70-130			

LCS (2511068-BS2) Prepared: 03/14/25 Analyzed: 03/14/25

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

LCS Dup (2511068-BSD2) Prepared: 03/14/25 Analyzed: 03/14/25

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.7	70-130	0.588	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	3/14/2025 2:01:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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 (2511070-BLK1)					Prepared: 03/14/25 Analyzed: 03/14/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.6	61-141			

LCS (2511070-BS1)					Prepared: 03/14/25 Analyzed: 03/14/25				
Diesel Range Organics (C10-C28)	216	25.0	250		86.4	66-144			
Surrogate: n-Nonane	49.3		50.0		98.6	61-141			

Matrix Spike (2511070-MS1)					Source: E503093-02		Prepared: 03/14/25 Analyzed: 03/14/25		
Diesel Range Organics (C10-C28)	220	25.0	250	ND	88.1	56-156			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike Dup (2511070-MSD1)					Source: E503093-02		Prepared: 03/14/25 Analyzed: 03/14/25		
Diesel Range Organics (C10-C28)	220	25.0	250	ND	87.9	56-156	0.157	20	
Surrogate: n-Nonane	50.9		50.0		102	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sargas 28 Federal Com 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	3/14/2025 2:01:05PM

Anions by EPA 300.0/9056A

Analyst: DT

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 (2511069-BLK1)					Prepared: 03/14/25 Analyzed: 03/14/25				
Chloride	ND	20.0							
LCS (2511069-BS1)					Prepared: 03/14/25 Analyzed: 03/14/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2511069-MS1)					Source: E503093-03		Prepared: 03/14/25 Analyzed: 03/14/25		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2511069-MSD1)					Source: E503093-03		Prepared: 03/14/25 Analyzed: 03/14/25		
Chloride	257	20.0	250	ND	103	80-120	0.178	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:	Sargas 28 Federal Com 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	03/14/25 14:01

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.



Envirotech Analytical Laboratory

Printed: 3/14/2025 8:31:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/14/25 04:30	Work Order ID:	E503093
Phone:	(575) 631-6977	Date Logged In:	03/13/25 15:55	Logged In By:	Noe Soto
Email:		Due Date:	03/14/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No. of containers 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.

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 443912

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1727827603
Incident Name	NAB1727827603 SARGAS 28 FEDERAL COM 4H @ 30-015-41560
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41560] SARGAS 28 FEDERAL COM #004H

Location of Release Source

Please answer all the questions in this group.

Site Name	SARGAS 28 FEDERAL COM 4H
Date Release Discovered	09/19/2017
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 Separator Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 443912

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 03/19/2025
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QUESTIONS, Page 3

Action 443912

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Greater than 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

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	527
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	56000
GRO+DRO (EPA SW-846 Method 8015M)	26000
BTEX (EPA SW-846 Method 8021B or 8260B)	0
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	02/13/2025
On what date will (or did) the final sampling or liner inspection occur	03/12/2025
On what date will (or was) the remediation complete(d)	03/16/2025
What is the estimated surface area (in square feet) that will be reclaimed	550
What is the estimated volume (in cubic yards) that will be reclaimed	41
What is the estimated surface area (in square feet) that will be remediated	550
What is the estimated volume (in cubic yards) that will be remediated	41
<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 443912

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 03/19/2025
<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 443912

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 443912

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	440770
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	550

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	550
What was the total volume (cubic yards) remediated	41
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	550
What was the total volume (in cubic yards) reclaimed	41
Summarize any additional remediation activities not included by answers (above)	Standard remediation of contaminated area, all information included above.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/19/2025

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QUESTIONS, Page 7

Action 443912

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

CONDITIONS

Action 443912

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443912
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	3/27/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/27/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/27/2025