

REMEDATION CLOSURE REPORT**INTRODUCTION**

- Responsible Party: Maverick Permian, LLC
- Responsible Party and Document Submitter Contact Info:
 - Diversified Energy, LLC. – Bryce Wagoner – bwagoner@dgoc.com
 - KSUE Environmental, LLC. – Tom Bynum – tombynum@gmail.com
- Site Name: Vacuum ABO Unit #006
- API or Facility ID #: 30-025-03012
- NMSLO Lease # and Lessee: B0-1845-01 Chevron USA INC
- ROE # for Remediation: N/A
- NMOCD Incident #: NGR10917640334
- PLSS and County: L – 34 – 17S – 35E Lea County
- Latitude and Longitude: 32.7885857, -103.4530182
- Reason for the project: Assessment of release discovered on June 22, 2009

SITE/INCIDENT HISTORY

- NMOCD Records: Initial Form C-141: June 25, 2009 – “2 3/8" flowline check valve failed resulting in 28 bbls of produced water and 3.3 bbls of crude oil being spilled onto location pad and road. MSO shut in well and generated work order to effect repairs. Vacuum truck picked up 21 bbls of water and 2 bbls of crude oil. 230' X 78' X 1/2" area of caliche pad and road. Spill site will be remediated in accordance with agreement with NMOCD. Vacuum truck picked up 21 bbls of water and 2 bbls of crude oil.” This initial Form C-141 was approved by the NMOCD the same day.
- Additional Records: This well site does not have any other reported releases, compliance violations, or compliance orders.
 - 2002 – Multiple well pads in the area, as well as multiple above-ground flowlines. Potential former pit area could be adjacent to this well pad on the north side. No visible staining on the pad or lease road. Vegetation surrounding the pad and road appears to be abundant in some areas and sparse in other areas.
 - 2005 – The pad and lease road appear to be clean and clear of visible staining. Vegetation surrounding these areas appears to have increased coverage compared to the previous image.
 - 2009 – The pad and lease road appear to be comparable to the previous image with no staining or visible issues. More above-ground flowlines and a new underground pipeline right of way are present, and surrounding vegetation growth appears to have normal coverage in some areas with sparse coverage in others.
 - 2012 – The pad and lease road appear to be clean and clear of staining with no visible issues. Vegetation growth surrounding the area has increased in coverage with minimal areas having sparse coverage.
 - 2014 – The pad area and lease road appear to be clean and clear of visible staining in all areas. Stains are visible on other well pads in the area. Vegetation growth surrounding the area appears to be normal with random lighter coverage areas apparent.
 - 2017 – The pad area and lease road appear to be clean and clear of visible staining. Vegetation growth surrounding the area appears to be normal-moderate except for small random areas in the vicinity.
 - 2019 – The description from 2017 is also accurate for the image seen from 2019, except for visible staining on neighboring well pads.
- Current Site Conditions: The pad and lease road areas are clear of staining except for a small area near the wellhead. Evidence of a rain event is visible in the general area. Vegetation surrounding the pad and road is green and lush, appearing very healthy with heavy coverage.

CULTURAL RESOURCES COMPLIANCE STATEMENT

The remediation area at this site is in previously disturbed areas developed for oil and gas extraction; therefore, a cultural resource survey was not required for planned remediation activities. The requirements of the Cultural Properties Protection (CCP) Rule will be followed should the area require extension into undisturbed areas.

BIOLOGICAL COMPLIANCE STATEMENT

Readily available data were reviewed to determine if the Site lies within biologically sensitive areas. The U.S. Fish and Wildlife Services (USFWS) Information for Planning and Consultation (IPaC) and the New Mexico Department of Game and Fish (NMDGF) Environmental Review Tool (ERT) were queried to determine if sensitive wildlife or plant areas are present

at the Site. The Site is not identified to be within biologically sensitive areas where remediation/reclamation would impact sensitive plant or wildlife habitats. This area has been assigned a CHAT_Score of 4.

SITE CHARACTERIZATION INFORMATION

This Site is in Lea County, NM, approximately twelve miles southwest of Lovington, NM. The wellhead and release area are in Unit L, Section 34, Township 17S, Range 35E, 32.7885857 degrees latitude and -103.4530182 degrees longitude. The nearest residence is between 1-1/2 and 2 miles away.

The New Mexico Bureau of Geology and Mineral Resources shows the geology at this Site includes Ogallala Formation. Alluvial and eolian deposits, and petrocalcic soils of the southern High Plains. Locally includes Qoa.

The soil type present at the Site is Kimbrough-Lea complex, dry, 0 to 3 percent slopes. The drainage class for this soil type is well drained. Soil type information is according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The Site resides in a low karst potential zone and is greater than 5 miles away from the nearest medium karst zone.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 65 feet below grade surface. This information is recorded by L-05834-POD5 which is situated approximately 0.11 miles away from the Site. This information is from 1972. The United States Geological Survey (USGS) offers the site USGS 324708103270401 17S.35E.33.422442 which shows depth to the nearest groundwater is 67 feet below grade surface. The latest gauge of this site was conducted in 1991, and it is located approximately 0.11 miles from the Site.

The nearest surface water feature is an Unnamed Pond, and it is located approximately 3.26 miles northwest. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Pond approximately 0.14 miles south. According to FEMA's National Flood Hazard Layer search, the Site is situated in Zone D – Area of Undetermined Flood Hazard and is greater than 5 miles away from the nearest flood hazard zone.

Delineation and closure criteria for this release area are as follows:

Delineation – Benzene < 10 mg/kg; BTEX < 50 mg/kg; TPH (GRO+DRO+ORO) < 100 mg/kg; Chlorides < 600 mg/kg

Closure – Benzene < 10 mg/kg; BTEX < 50 mg/kg; TPH (GRO+DRO+ORO) < 100 mg/kg; Chlorides < 600 mg/kg

ASSESSMENT & DELINEATION ACTIVITIES

“At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on June 2, 2020, at the release area evaluate to current conditions at the Site. The formerly impacted area was identified from the description in the C-141 (and correspondence with ConocoPhillips). Photographic documentation from the visual assessment is included as Attachment C. A list of observations made during the records review and visual Site inspection follow:

- Review of available aerial imagery revealed no evidence of impact in the reported release location.
- No surficial staining was noted in the reported release area footprint (caliche pad and road) during the June 2020 visual Site inspection.”

On September 21, 2020, ConocoPhillips submitted a Closure Letter Report requesting closure approval of this incident. The NMOCD denied this request on April 17, 2023.

On September 9, 2025, field personnel mobilized to the site to conduct assessment activities at the historic release area by collecting soil samples. The area of concern measured approximately 12,804 square feet on the pad surface around the wellhead and moving east along the lease road. Seventy discrete soil samples were collected from fourteen different sample points within the release area from depths of surface, 1 foot, 2 feet, 3 feet, and 4 feet below grade surface. Forty-five discrete soil samples were collected from nine different sample points around the edges of the release area from depths of surface, 1 foot, 2 feet, 3 feet, and 4 feet below grade surface. All samples were put on ice, prepared for delivery, then delivered to a New Mexico-approved laboratory where they were analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC by the following methods:

- o Volatile Organics are tested by EPA 8021B
- o Nonhalogenated Organics are tested by EPA 8015D – GRO (C6-C10)
- o Nonhalogenated Organics are tested by EPA 8015D – DRO/ORO (C10-C28/C28-C36)
- o Anions are tested by EPA 300.0/9056A

On September 17, 2025, the analytical report was received and revealed contaminant levels were over the regulatory limits at sample points 2, 5, 7, and 12. Full vertical and horizontal delineation was completed during this sampling event.

REMEDIATION ACTIVITIES

On August 3, 2026, a heavy equipment crew mobilized personnel and equipment to the site to begin remediating the four areas affected by the release.

As the excavation progressed, the total combined surface area affected by this release was calculated to be approximately 800 square feet. The total volume of contaminated soil removed was approximately 54 cubic yards.

On August 10, 2026, after the required sampling notifications were submitted, 5-point composite confirmation soil samples were collected from the excavations. Four composite samples were collected from the bases of the excavations while four composite samples were collected from the walls of the excavations.

Each confirmation sample collected represented no more than 200 square feet. All samples were put on ice, prepared for delivery, then delivered to a New Mexico-approved laboratory where they were analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC by the methods described above.

On August 18, 2026, the analytical report for the confirmation sampling event was received and revealed contamination levels at all sample points were below the regulatory limits of the closure criteria mentioned above. All excavated areas have been backfilled with clean, like material then repacked for normal daily use.

CONCLUSION

This Remediation Closure Report presents a comprehensive and detailed description of remediation activities performed where impacted material was encountered at this site. If this is acceptable, and it is agreed that Maverick has complied with the regulation set forth in 19.15.29 NMAC, then they request your approval to close incident ID NGRL0917640334.

ATTACHMENTS

Figures:

- 1- Topographic Map
- 2- Location Map
- 3- Karst Potential Map
- 4- Assessment Map
- 5- Data Tables
- 6- Confirmation Sample Map

Photographic Documentation

Historical Aerial Images

Biological Compliance Documentation

Site Characterization Documentation

Sampling Notifications

Analytical Reports

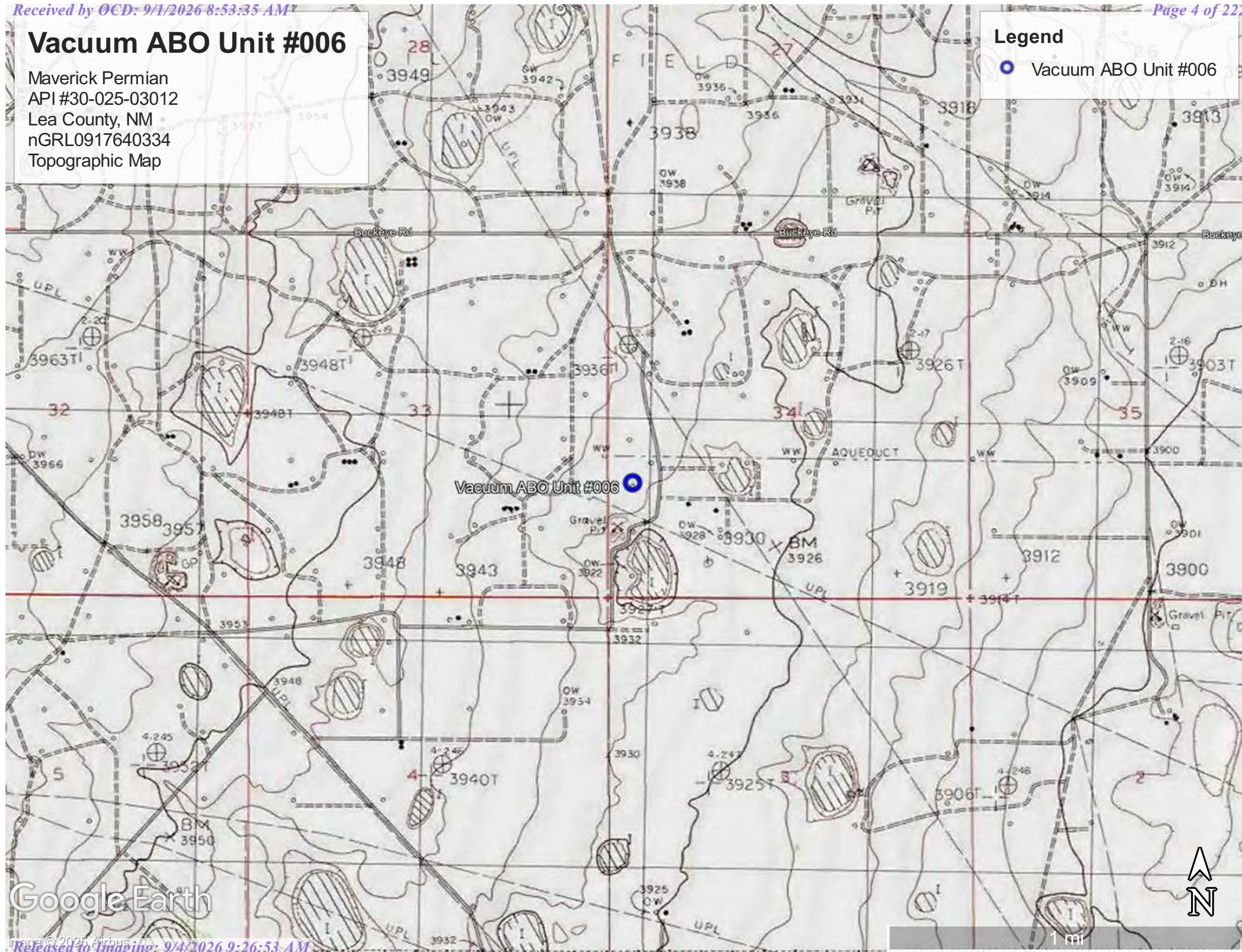
Closure Letter Report - 2020

Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
nGRL0917640334
Topographic Map

Legend

● Vacuum ABO Unit #006



Google Earth

Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
nGRL0917640334
Location Map

Legend

 Vacuum ABO Unit #006

Google Earth

Image © 2025 Airbus
Released to Imaging: 9/4/2026 9:26:53 AM

8 mi

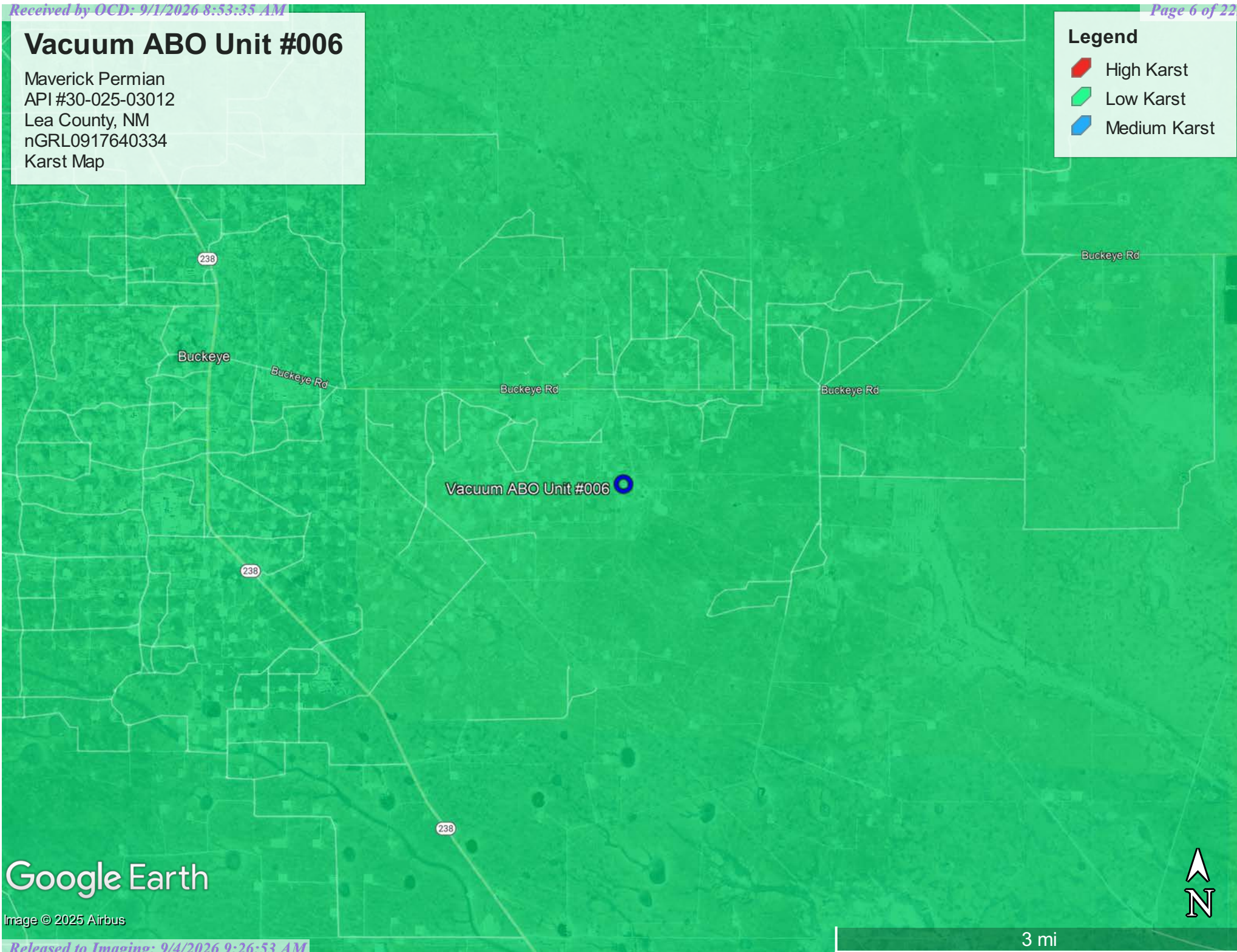


Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
nGRL0917640334
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

Image © 2025 Airbus

3 mi

Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
nGRL0917640334
Assessment Map

Legend

- Proposed horizontal samples
- Proposed vertical samples
- Release area - 12,804 sqft
- Vacuum ABO Unit #006



Google Earth

200 ft



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
NM-Approved Lab Results - Maverick Permian - Vacuum ABO Unit #006 - NGRL0917640334									
Sample ID	Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total TPH mg/kg	Chlorides mg/kg
1-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	144
1-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	160
1-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	128
1-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	112
1-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	384
2-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	1300
2-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	832
2-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	544
2-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	400
2-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
3-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
3-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
3-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
3-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
3-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
4-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
4-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
4-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
4-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
4-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
5-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	30.9	21.7	52.6	496
5-1'	9/9/2025	1'	<0.05	<0.3	<10.0	44.5	20.7	65.2	684
5-2'	9/9/2025	2'	<0.05	<0.3	<10.0	27.4	12.4	39.8	272
5-3'	9/9/2025	3'	<0.05	<0.3	<10.0	27.1	11.4	38.5	352
5-4'	9/9/2025	4'	<0.05	<0.3	<10.0	58.8	30.1	88.9	304
6-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	160
6-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	256
6-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	272
6-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	256
6-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	240
7-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	816
7-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	672
7-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	400
7-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	480
7-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	528
8-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	208
8-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
8-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	32
8-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	32
8-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
9-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
9-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
9-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
9-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
9-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
10-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	320
10-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	272
10-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	352
10-3'	9/9/2025	3'	<0.05	0.05	<10.0	<10.0	<10.0	ND	320
10-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	304
11-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	256
11-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96

Sample ID	Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total TPH mg/kg	Chlorides mg/kg
11-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	336
11-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	192
11-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	368
12-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
12-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	608
12-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	368
12-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
12-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
13-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
13-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
13-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
13-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
13-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
14-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
14-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
14-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
14-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	48
14-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H1-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
H1-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H1-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H1-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H1-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
H2-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H2-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H2-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H2-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H2-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H3-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H3-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H3-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H3-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H3-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H4-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H4-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H4-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H4-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H4-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	96
H5-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H5-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H5-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H5-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H5-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H6-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H6-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H6-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H6-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H6-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H7-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	64
H7-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H7-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H7-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	80
H7-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0

Sample ID	Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total TPH mg/kg	Chlorides mg/kg
H8-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H8-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H8-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H8-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	16
H8-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H9-Surface	9/9/2025	0'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H9-1'	9/9/2025	1'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	32
H9-2'	9/9/2025	2'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H9-3'	9/9/2025	3'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0
H9-4'	9/9/2025	4'	<0.05	<0.3	<10.0	<10.0	<10.0	ND	<16.0

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
NM-Approved Lab Results - Maverick Permian - Vacuum ABO Unit #006 - NGRL0917640334									
Sample ID	Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total TPH mg/kg	Chlorides mg/kg
C1-1.5'	8/10/2026	1.5'	ND	ND	ND	ND	ND	ND	343
C2-1.5'	8/10/2026	1.5'	ND	ND	ND	ND	ND	ND	340
C3-1.5'	8/10/2026	1.5'	ND	ND	ND	ND	ND	ND	244
C4-1.5'	8/10/2026	1.5'	ND	ND	ND	ND	ND	ND	302
W1-0-1.5'	8/10/2026	0-1.5'	ND	ND	ND	ND	ND	ND	343
W2-0-1.5'	8/10/2026	0-1.5'	ND	ND	ND	ND	ND	ND	199
W3-0-1.5'	8/10/2026	0-1.5'	ND	ND	ND	ND	ND	ND	298
W4-0-1.5'	8/10/2026	0-1.5'	ND	ND	ND	ND	ND	ND	290

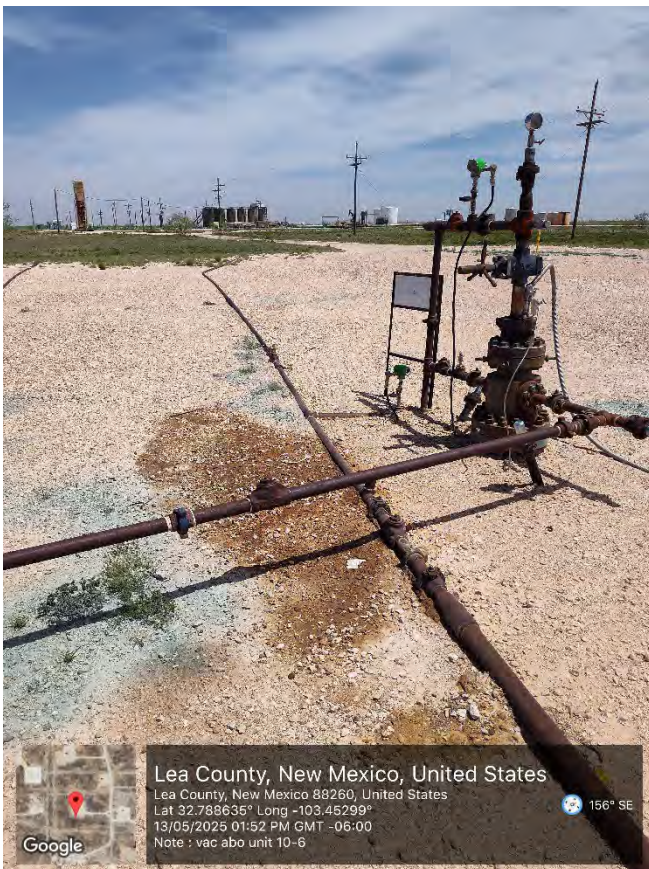
Vacuum ABO Unit #006

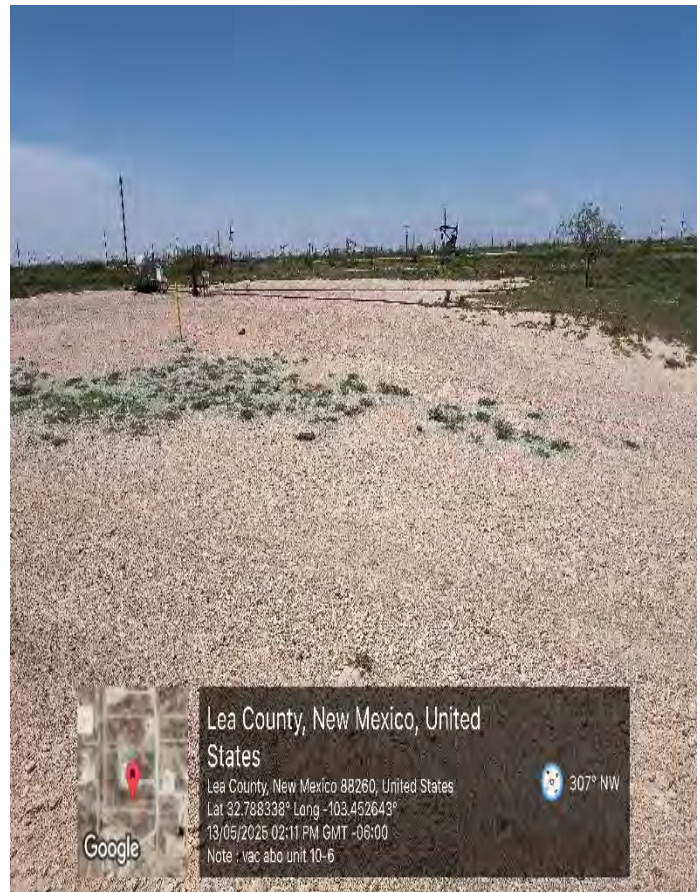
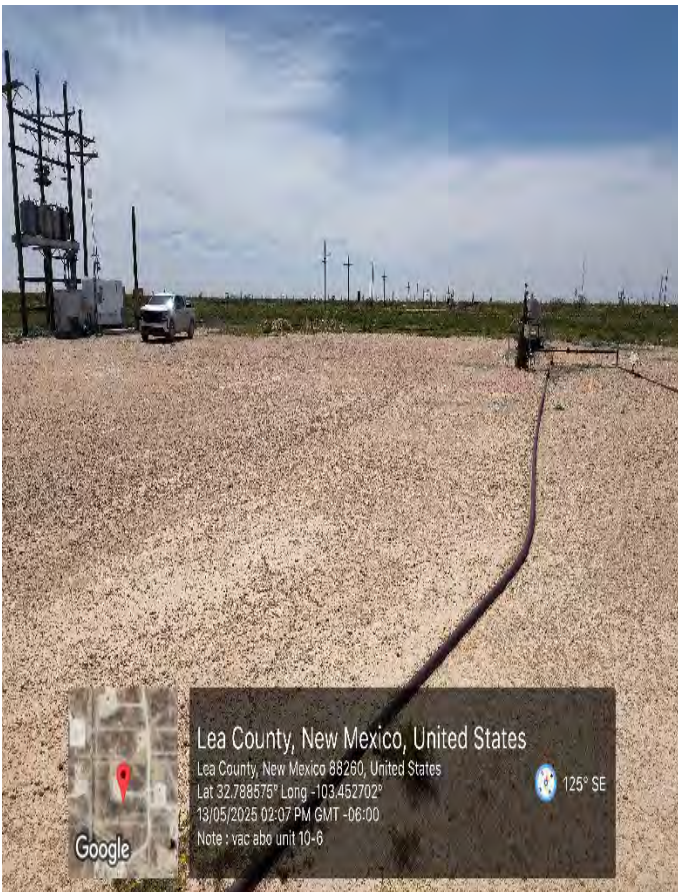
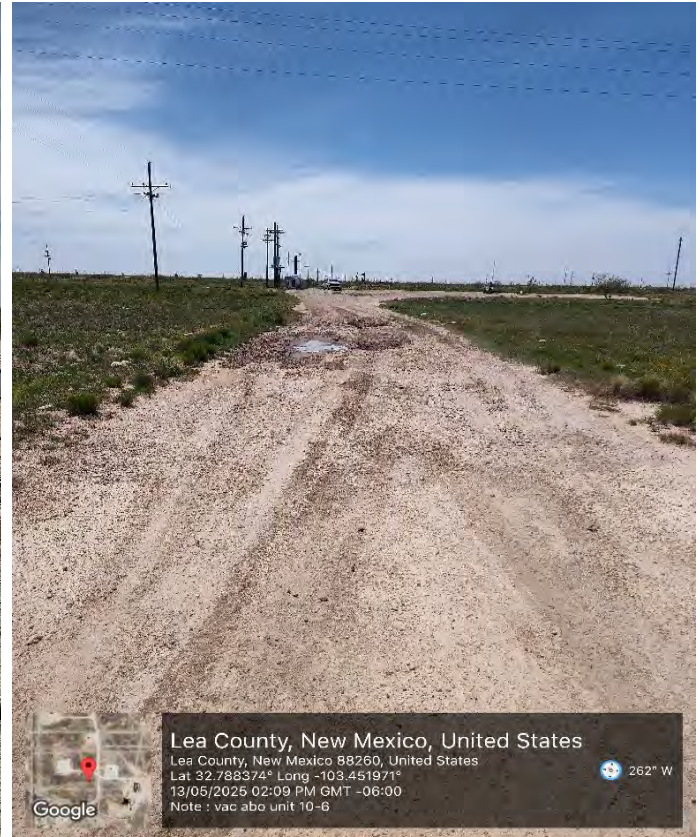
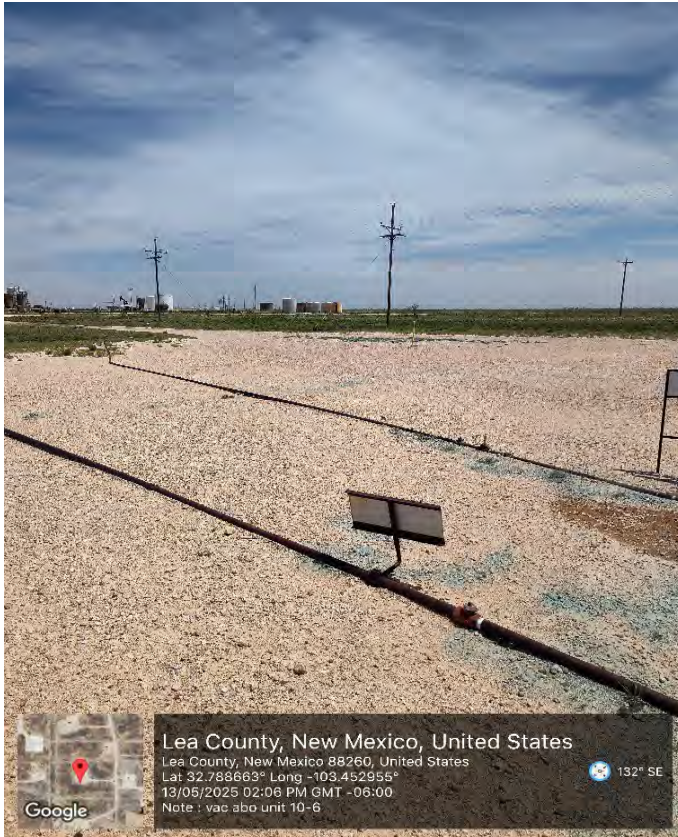
Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
Confirmation Sample Map

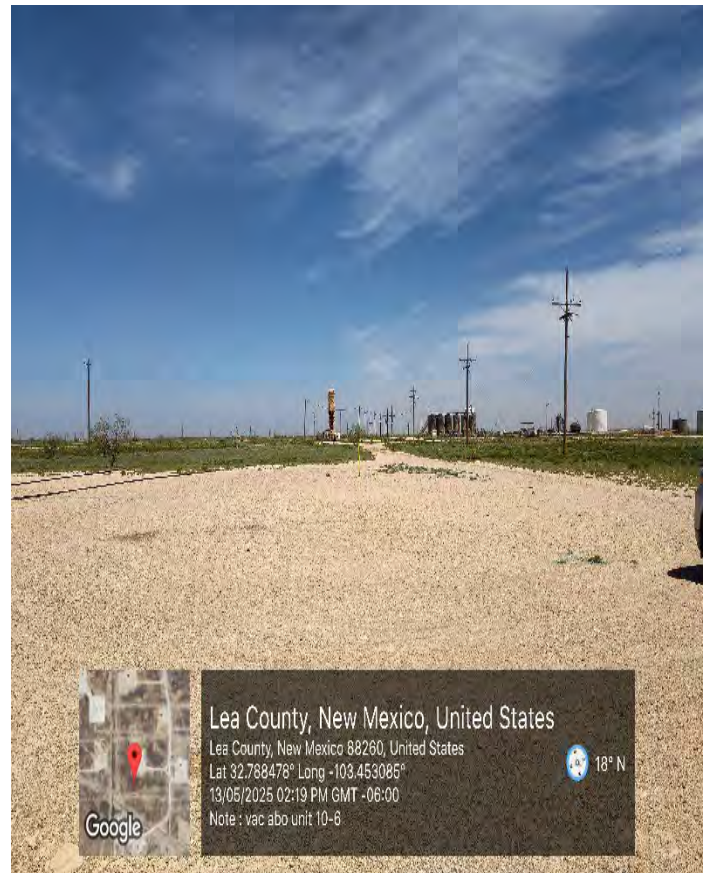
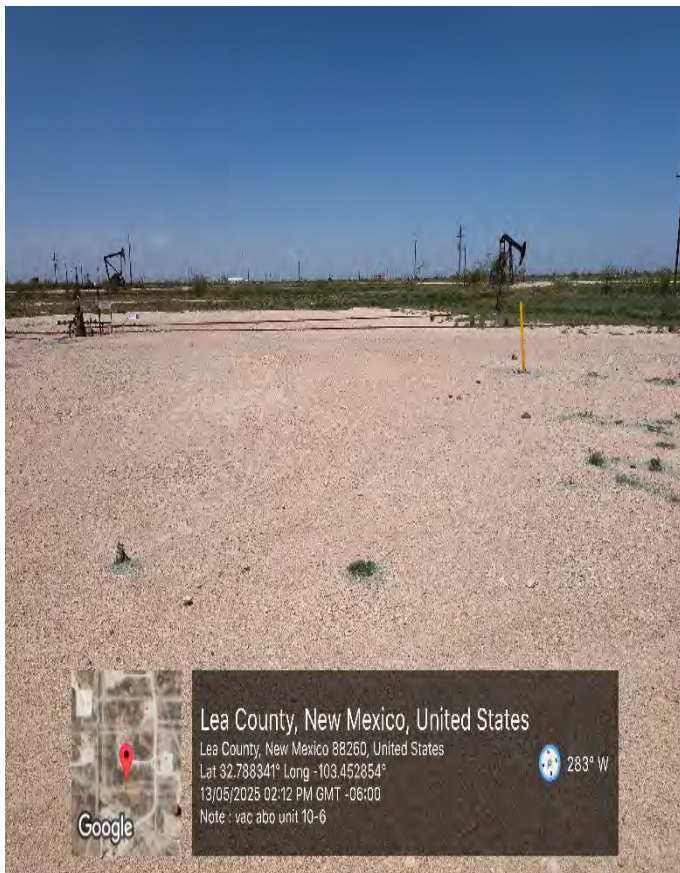
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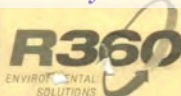
- 1.5' Excavation - 800 sqft - 45 cu yds
- Composite confirmation base samples
- Composite confirmation wall samples
- Vacuum ABO Unit #006











NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. **HW-942905**

Generator Manifest #

Diversified Gas-OL

Location of Origin

Vacuum ABO Unit 10-006

Generator Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Prop Code 1238325.011/1076

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

NON-INJECTABLE WATERS

OTHER EXEMPT E&P WASTE STREAMS

Oil Based Cuttings

Washout Water (Non-Injectable)

Water Based Muds

Completion Fluid/Flow Back (Non-Injectable)

Water Based Cuttings

Produced Water (Non-Injectable)

Produced Formation Solids

Gathering Line Water/Waste (Non-Injectable)

Tank Bottoms

INTERNAL USE ONLY

TOP SOIL & CALICHE SALES

E&P Contaminated Soil

Truck Washout (exempt waste)

YES

NO

QUANTITY

TOP SOIL

CALICHE

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Transporter Ticket #

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Halfway Facility / NM1-006

Permit No.

Phone No.

575-392-6368

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W/BBLS Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. **HW-942904**Generator Manifest # Diversified Gas: OLL

Location of Origin

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Generator Name

Address

City, State, Zip

Phone No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

OTHER EXEMPT E&P WASTE STREAMS

TOP SOIL & CALICHE SALES

QUANTITY

TOP SOIL

CALICHE

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

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Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Transporter Ticket #

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Halfway Facility / NM1-006**6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. HW-942907

Generator Manifest # Diversified Gas: Ode

Generator Name

Address

City, State, Zip

Phone No.

Location of Origin

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

OTHER EXEMPT E&P WASTE STREAMS

INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

TOP SOIL & CALICHE SALES

QUANTITY

TOP SOIL

CALICHE

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

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Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Transporter Ticket #

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/

Permit No.

Address

Halfway Facility / NM1-006

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2002 Image

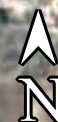
Legend

● Vacuum ABO Unit #006

● Vacuum ABO Unit #006

Google Earth

500 ft



Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2005 Image

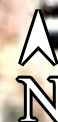
Legend

● Vacuum ABO Unit #006

● Vacuum ABO Unit #006

Google Earth

500 ft



Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2009 Image

Legend

● Vacuum ABO Unit #006

● Vacuum ABO Unit #006

Google Earth

500 ft



Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2012 Image

Legend

 Vacuum ABO Unit #006

 Vacuum ABO Unit #006

Google Earth

500 ft



Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2014 Image

Legend

 Vacuum ABO Unit #006

 Vacuum ABO Unit #006

Google Earth

500 ft



Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2017 Image

Legend

 Vacuum ABO Unit #006

 Vacuum ABO Unit #006

Google Earth

500 ft



Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
NGRL0917640334
2019 Image

Legend

● Vacuum ABO Unit #006

● Vacuum ABO Unit #006

Google Earth

500 ft



Site Name	Vacuum ABO Unit #006
Incident# or #'s	NGRL0917640334
Report Type:	Remediation Closure Report
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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	Between 1 and 5 miles
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 miles
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 mile
Any other fresh water well or spring	Between 1 and 5 mile
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 miles
A wetland	Between 500 and 1000
A subsurface mine	Greater than 5 miles
An (non-karst) unstable area	Greater than 5 miles
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 miles
Did the release impact areas not on an exploration, development, production, or storage site	Yes
Requesting a remediation plan 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
Sampling Values	
Chloride	1,300
TPH (GRO+DRO+MRO)	89
GRO+DRO	59
BTEX	0
Benzene	0
Fill In	
On what estimated date will the remediation commence	8/3/2026
On what date will (or did) the final sampling or liner inspection occur	8/10/2026
On what date will (or was) the remediation complete(d)	8/21/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	45
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Check all that apply with and x)	
Is (or was) there affected material present needing to be removed	X
Is (or was) there a power wash of the lined containment area (to be) performed	
OTHER (Non-listed remedial process)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	X - R360 Halfway Site
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	
(In Situ) Soil Vapor Extraction	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	
Ground Water Abatement pursuant to 19.15.30 NMAC	
OTHER (Non-listed remedial process)	
Deferral Requests	
Have the lateral and vertical extents of contamination been fully delineated	N/A
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	If YES > Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	N/A

What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	N/A
Enter the facility ID (f#) on which this deferral should be granted, or API.	N/A
Enter the well API (30-) on which this deferral should be granted	N/A
Contamination does not cause an imminent risk to human health, the environment, or groundwater	N/A
Remediation Closure Requests (Report must include Closure Request: Scaled Site Map, Photographs, Lab Analyses.)	
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	800
What was the total volume (cubic yards) remediated	45
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	DTGW = <50' due to lack of current and close info

Special Status Plant/Wildlife Map

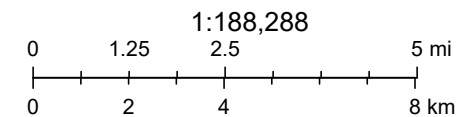


5/5/2025

- Dunes Sage Brush Lizard Habitat
- Lesser Prairie Chicken Habitat
- Habitat Evaluation Area
- Isolated Population Area

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery

- Citations
- 38m Resolution Metadata



Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,



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
smallest to
largest)

												(meters)		(In feet)		
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
L 05834 POD5		L	LE	NE	NE	SE	33	17S	35E	644751.9	3629029.3		165	234	65	169
L 05834	R	L	LE	NE	NE	SE	33	17S	35E	644663.0	3629109.0 *		284	160	70	90
L 04618		L	LE		SW	SW	34	17S	35E	644973.0	3628611.0 *		316	128	55	73
L 04633		L	LE		NE	SE	33	17S	35E	644564.0	3629010.0 *		317	130	65	65
L 04775		L	LE		SE	NW	34	17S	35E	645365.0	3629421.0 *		716	133	68	65
L 05834 POD6		L	LE	NW	NW	SE	34	17S	35E	645587.5	3629039.0		734	234	65	169
L 04727		L	LE				34	17S	35E	645576.0	3629214.0 *		774	120	45	75
L 04793		L	LE				34	17S	35E	645576.0	3629214.0 *		774	150	50	100
L 04586		L	LE	SW	SW	SE	33	17S	35E	644065.0	3628502.0 *		896	125	50	75
L 10297		L	LE		NW	NW	34	17S	35E	644955.0	3629819.0 *		914	150	42	108
L 04578		L	LE				33	17S	35E	643962.0	3629198.0 *		947	126	60	66

Average Depth to Water: 57 feet

Minimum Depth: 42 feet

Maximum Depth: 70 feet

Record Count: 11

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 644864.46

Northing: 3628908.56

Radius: 01000

* 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.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	L 05834 POD5	NE	NE	SE	33	17S	35E	644751.9	3629029.3	

* UTM location was derived from PLSS - see Help

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	MURRELL ABBOTT				
Drill Start Date:	1971-12-23	Drill Finish Date:	1971-12-28	Plug Date:	
Log File Date:	1972-01-13	PCW Rcv Date:	1972-03-29	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:	234	Depth Water:	65

Water Bearing Stratifications:

Top	Bottom	Description
65	152	Sandstone/Gravel/Conglomerate
155	212	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
114	234

Meter Information

Meter Number:	19673	Meter Make:	
Meter Serial Number:	NO METER	Meter Multiplier:	1.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2021-01-01	2021	6427.000	A	dd		0.000	
2021-03-31	2021	6427.000	A	dd		0.000	
2021-06-30	2021	6427.000	A	dd		0.000	
2021-09-30	2021	6427.000	A	dd		0.000	
2021-11-12	2021	0.000	A	dd		0.000	
2022-01-01	2021	0.000	A	dd		0.000	
2022-03-31	2022	0.000	A	dd		0.000	
2022-07-01	2022	0.000	A	WEB		0.000	X
2022-10-01	2022	0.000	A	WEB		0.000	X
2023-01-01	2022	0.000	A	WEB		0.000	X
2023-04-01	2023	0.000	A	WEB		0.000	X
2023-07-01	2023	0.000	A	WEB		0.000	X
2023-10-01	2023	0.000	A	WEB		0.000	X
2023-12-31	2023	0.000	A	WEB		0.000	X
2024-04-01	2024	0.000	A	WEB		0.000	X
2024-07-01	2024	0.000	A	WEB		0.000	X
2024-10-01	2024	0.000	A	WEB		0.000	X
2025-01-01	2024	0.000	A	WEB		0.000	X
2025-04-01	2025	0.000	A	WEB		0.000	X

YTD Meter Amounts:

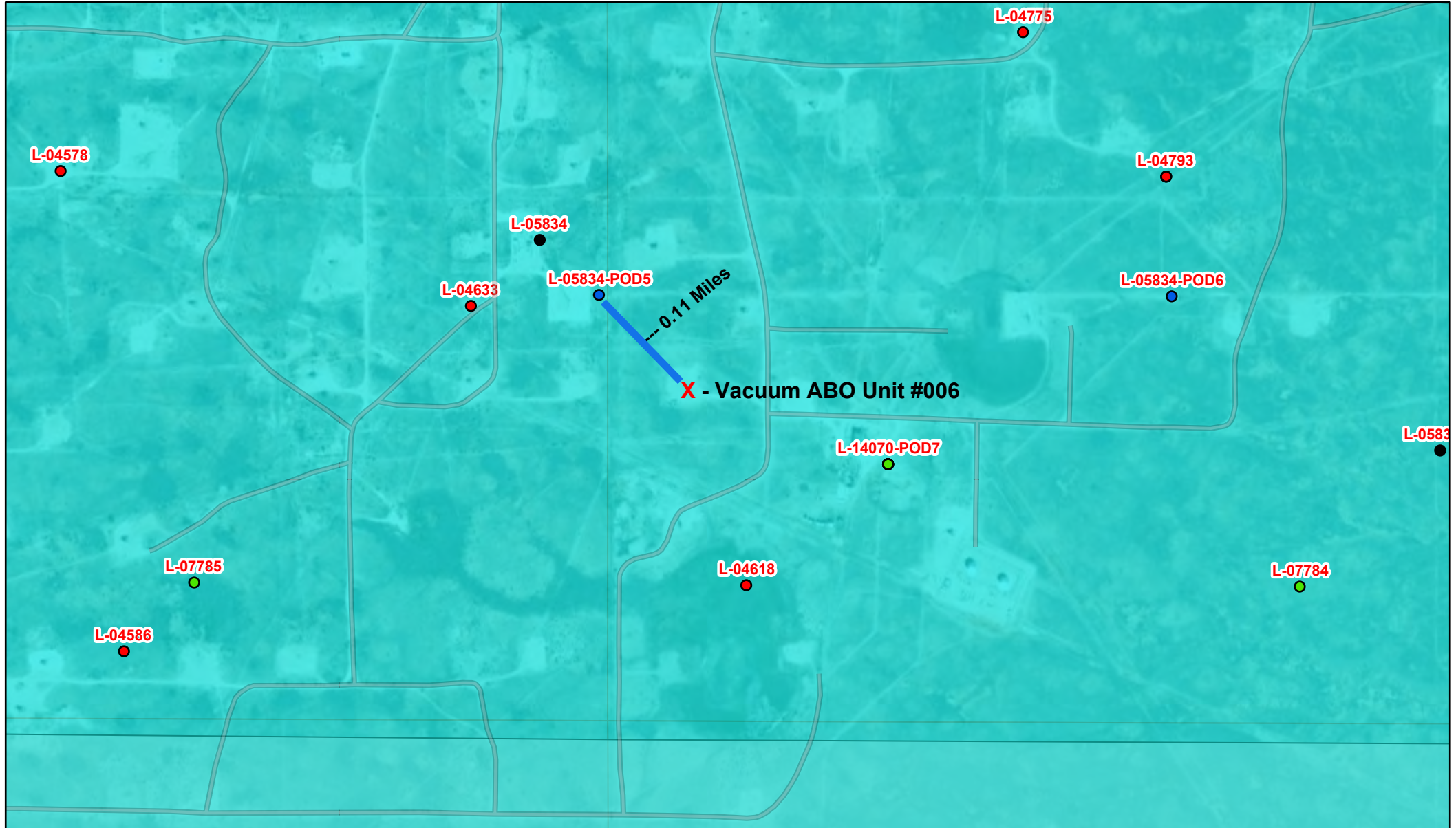
Year	Amount
2021	0.000
2022	0.000
2023	0.000
2024	0.000
2025	0.000

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.

5/5/25 1:11 PM MST

Point of Diversion Summary

OSE POD Location Map



5/5/2025, 2:11:41 PM

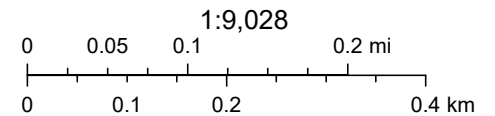
GIS WATERS PODs

- Inactive
- Active
- Pending

- Inactive
- Plugged

- OSE District Boundary
- Water Right Regulations
- Closure Area

- Artesian Plan Area
- New Mexico State Trust Lands
- Both Estates



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Monitoring location

17S.35E.33.422442 - USGS-324708103270401

☐ 1 year

☐ 10 years

☒ Period of record

Scale

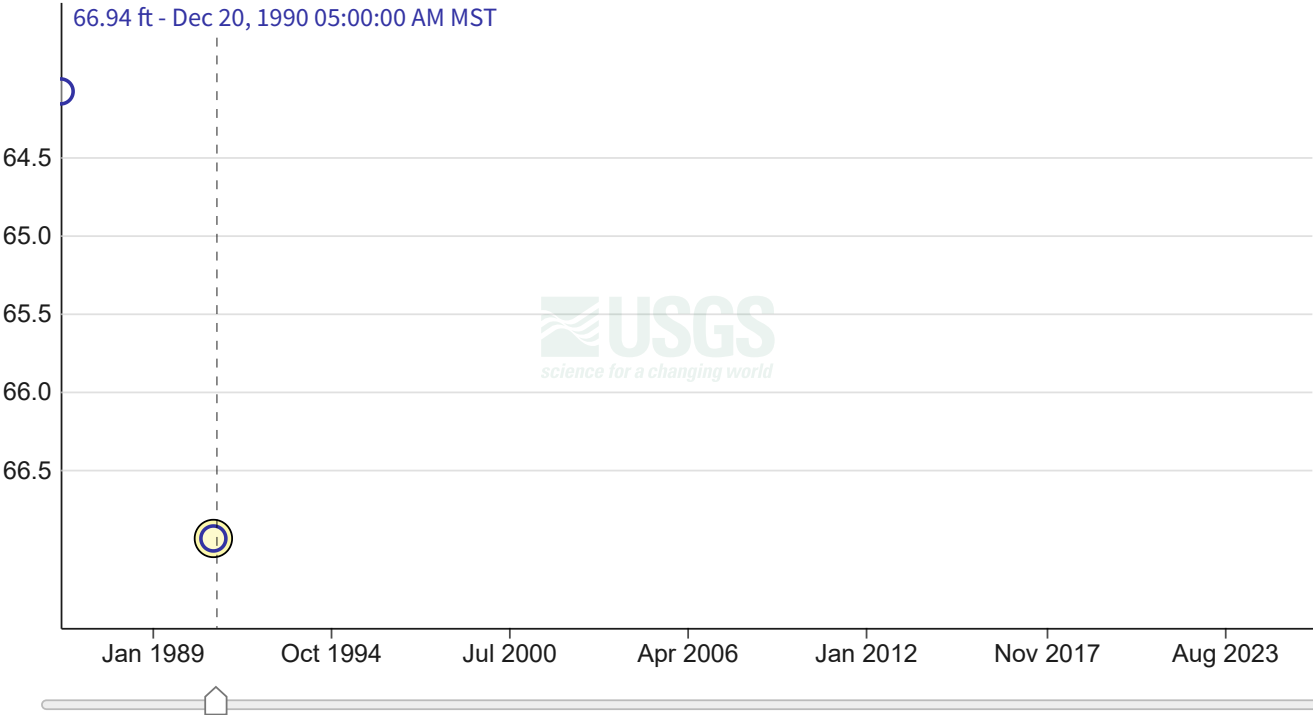
Linear

Log

Field measurements

17S.35E.33.422442 - USGS-324708103270401

January 16, 1986 - May 28, 2026
Depth to water level, feet below land surface



IMPORTANT Data may be [provisional](#)

Show legend

Hide graph details

	Value	Status	
☒ Selected field measurement	66.94	Approved Static	Dec 20, 1990 05:00:00 AM MST

Hide graph details

Change time span

Download
Questions or Comments

View tabular data

Available data

Select data types to graph from categories based on the way the data were collected.
[Learn about the data collection categories](#)

[Expand all data collections](#)**Continuous data**

0 data types available

Daily data

0 data types available

Field measurements

3 data types available - data from 1986-01-16 to 1990-12-20

[Show these data types](#)**Discrete sample data**

0 observed properties (data types) available

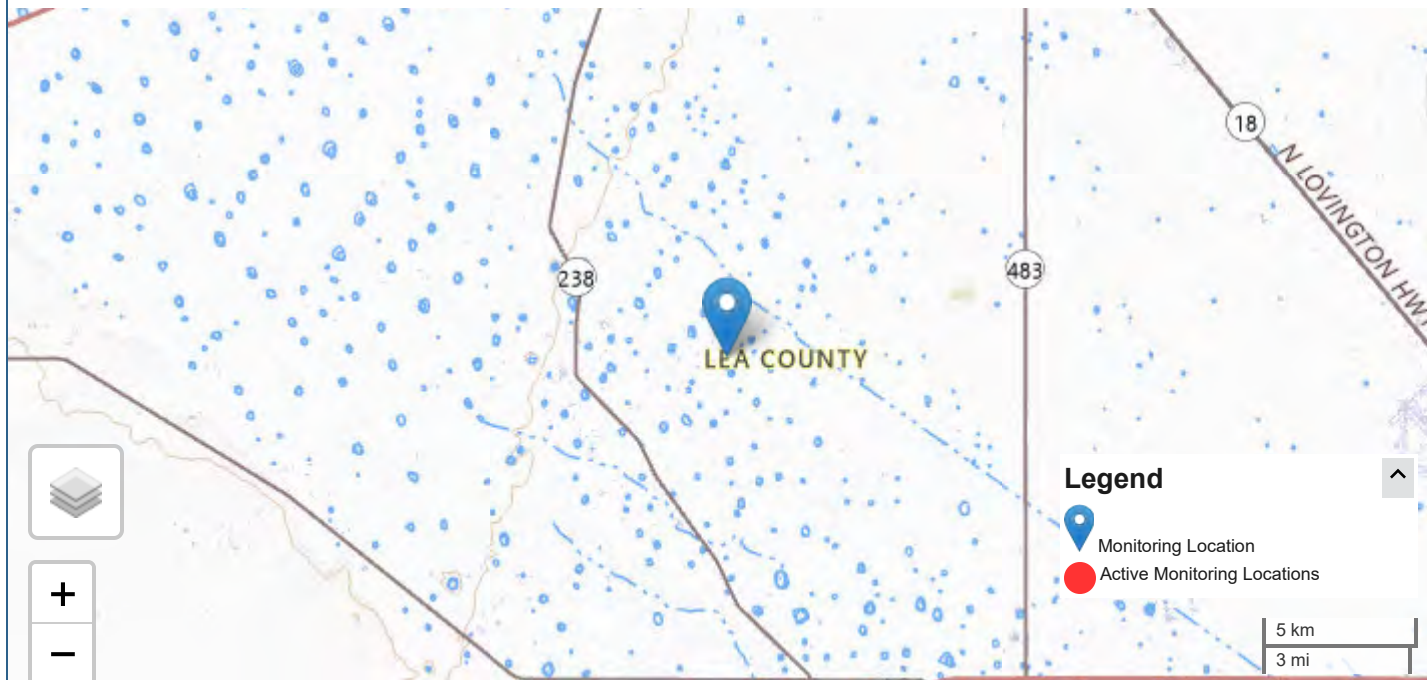
Statistical tables for select daily data types

0 data types available

Location details and information[Show location details](#)**Monitoring locations with continuous data in last 120 days**

No locations found

Zoom out to see link to My Favorites

[Use Explore USGS Water Data to discover additional data near this location](#)Interested in understanding how to access the upstream/downstream data? [Learn about the Network-Linked Data Index \(NLDI\)](#)



National Water Information System: Mapper

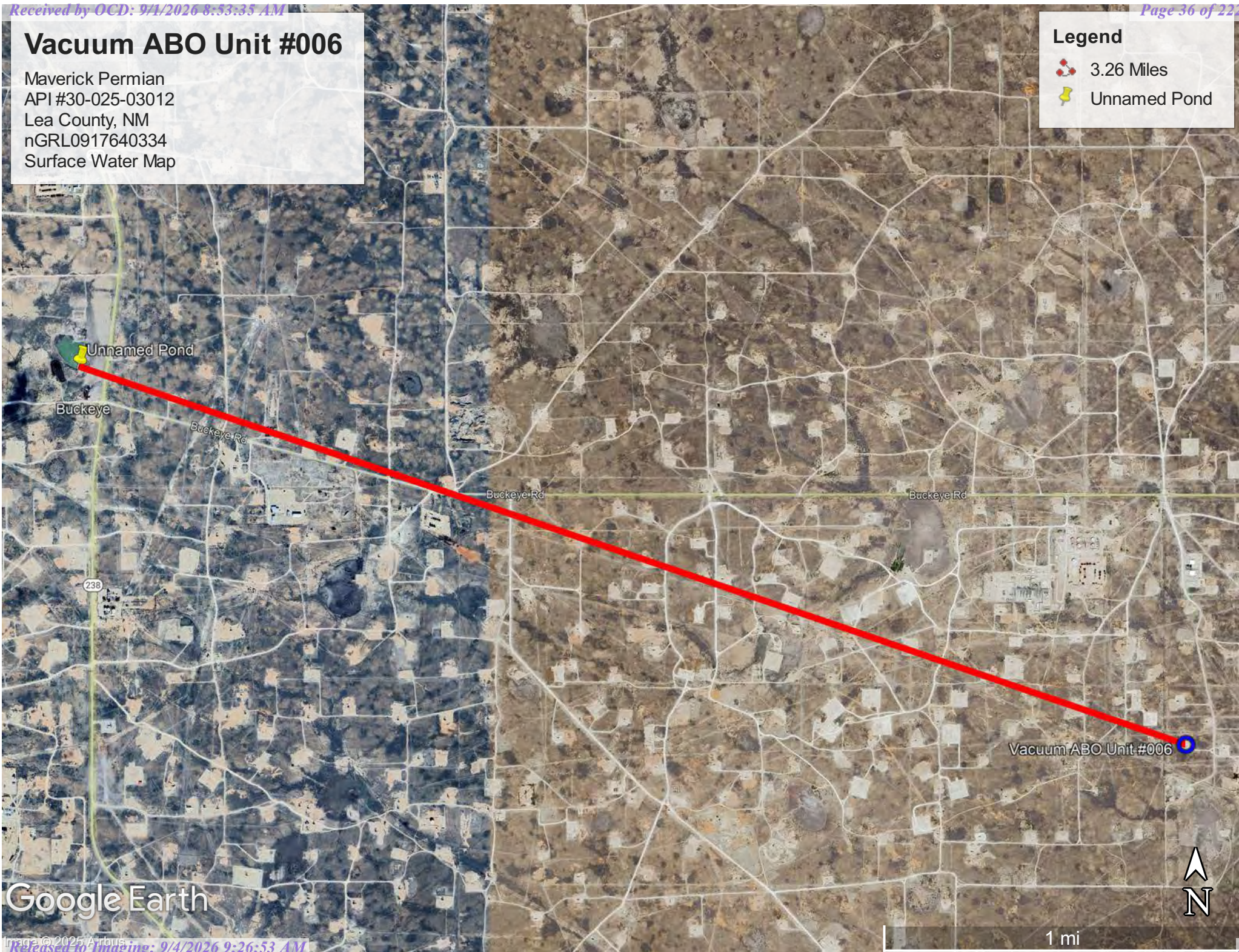


Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
nGRL0917640334
Surface Water Map

Legend

-  3.26 Miles
-  Unnamed Pond



Google Earth

National Flood Hazard Layer FIRMette



103°27'29"W 32°47'34"N



Released to Imaging: 9/4/2026 9:26:53 AM

1:6,000

103°26'52"W 32°47'3"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		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		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 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

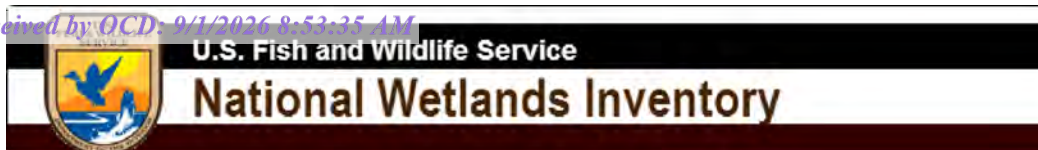


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 5/5/2025 at 7:17 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



May 28, 2026

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.

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46

Elevation: 2,500 to 4,800 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent

Lea and similar soils: 25 percent

Minor components: 30 percent

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

Description of Kimbrough

Setting

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Concave, linear

Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam

Bw - 3 to 10 inches: loam

Bkkm1 - 10 to 16 inches: cemented material

Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 4 to 18 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 95 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Kenhill

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY038TX - Clay Loam 12-17" PZ

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

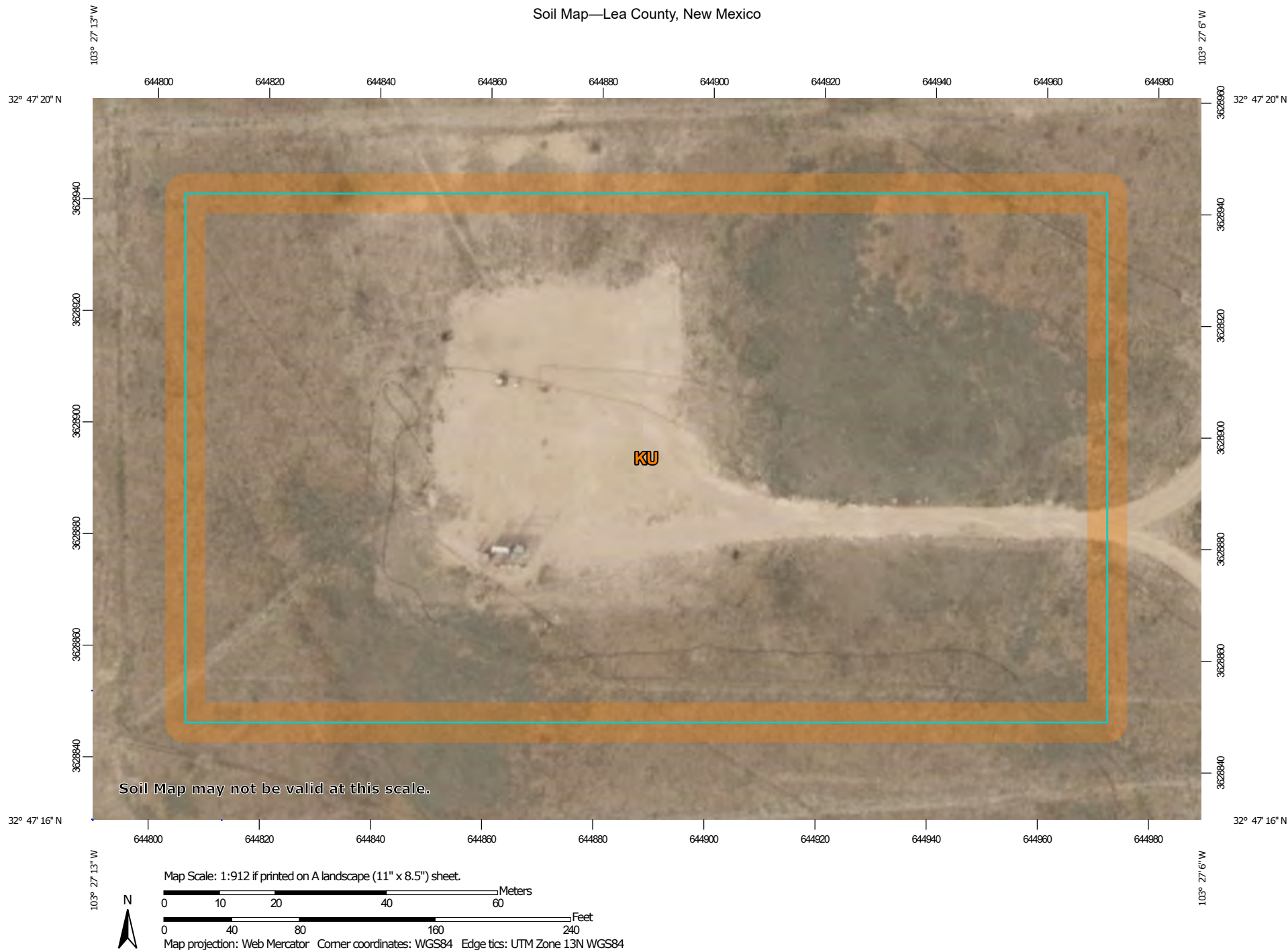
Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024



Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/5/2025
Page 1 of 3

Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	3.9	100.0%
Totals for Area of Interest		3.9	100.0%

Vacuum ABO Unit #006

Maverick Permian
API #30-025-03012
Lea County, NM
nGRL0917640334
Geologic Unit Map

Legend

-  Ogallala Formation
-  Piedmont alluvial deposits

Buckeye

Vacuum ABO Unit #006

Google Earth

4 mi



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 502653

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 502653
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0917640334
Incident Name	NGRL0917640334 VACUUM ABO UNIT #006 @ 30-025-03012
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-03012] VACUUM ABO UNIT #006

Location of Release Source	
Site Name	VACUUM ABO UNIT #006
Date Release Discovered	06/22/2009
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	12,804
What is the estimated number of samples that will be gathered	115
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/09/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Marisa (575) 408-3446
Please provide any information necessary for navigation to sampling site	32.788665, -103.452818

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 502653

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 502653
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cstraub	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2025
cstraub	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/4/2025

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 612128

QUESTIONS

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 612128
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0917640334
Incident Name	NGRL0917640334 VACUUM ABO UNIT #006 @ 30-025-03012
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-03012] VACUUM ABO UNIT #006

Location of Release Source	
Site Name	VACUUM ABO UNIT #006
Date Release Discovered	06/22/2009
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	800
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/10/2026
Time sampling will commence	01:30 PM
Please provide any information necessary for observers to contact samplers	Wild West (361) 219-2353
Please provide any information necessary for navigation to sampling site	32.788665, -103.452818

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 612128

CONDITIONS

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 612128
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cstraub	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.	8/6/2026
cstraub	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/6/2026



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

September 17, 2025

TOM BYNUM

SAPEC-ECO,LLC

5846 E 21ST PLACE

TULSA, OK 74114

RE: VACUUM ABO UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 09/11/25 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 1 - SURFACE (H255689-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.94	97.0	2.00	3.24		
Toluene*	<0.050	0.050	09/12/2025	ND	2.07	104	2.00	2.76		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.07	103	2.00	0.0817		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.08	101	6.00	0.284		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 1 - 1' (H255689-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.94	97.0	2.00	3.24		
Toluene*	<0.050	0.050	09/12/2025	ND	2.07	104	2.00	2.76		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.07	103	2.00	0.0817		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.08	101	6.00	0.284		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 1 - 2' (H255689-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.94	97.0	2.00	3.24		
Toluene*	<0.050	0.050	09/12/2025	ND	2.07	104	2.00	2.76		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.07	103	2.00	0.0817		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.08	101	6.00	0.284		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 1 - 3' (H255689-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.94	97.0	2.00	3.24		
Toluene*	<0.050	0.050	09/12/2025	ND	2.07	104	2.00	2.76		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.07	103	2.00	0.0817		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.08	101	6.00	0.284		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 1 - 4' (H255689-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.1 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 2 - SURFACE (H255689-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 2 - 1' (H255689-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 2 - 2' (H255689-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.0 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 2 - 3' (H255689-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	09/11/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 2 - 4' (H255689-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	194	96.8	200	0.0826	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	193	96.6	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 3 - SURFACE (H255689-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 3 - 1' (H255689-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 3 - 2' (H255689-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 3 - 3' (H255689-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 3 - 4' (H255689-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 4 - SURFACE (H255689-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 4 - 1' (H255689-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 4 - 2' (H255689-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 4 - 3' (H255689-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 4 - 4' (H255689-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 5 - SURFACE (H255689-21)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	30.9	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	21.7	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 5 - 1' (H255689-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	44.5	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	20.7	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 5 - 2' (H255689-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	27.4	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	12.4	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 5 - 3' (H255689-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.86	93.2	2.00	4.50		
Toluene*	<0.050	0.050	09/12/2025	ND	1.89	94.3	2.00	2.78		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.86	93.1	2.00	2.83		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.50	91.7	6.00	3.07		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	27.1	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	11.4	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 5 - 4' (H255689-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	58.8	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	30.1	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 6 - SURFACE (H255689-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 6 - 1' (H255689-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34	
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01	
Total BTEx	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 6 - 2' (H255689-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34	
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01	
Total BTEx	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 6 - 3' (H255689-29)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34	
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01	
Total BTX	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/12/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 6 - 4' (H255689-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34	
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01	
Total BTEx	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/11/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	182	91.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	186	93.0	200	0.468	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 7 - SURFACE (H255689-31)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 7 - 1' (H255689-32)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 7 - 2' (H255689-33)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/11/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 7 - 3' (H255689-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 7 - 4' (H255689-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 8 - SURFACE (H255689-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 8 - 1' (H255689-37)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 8 - 2' (H255689-38)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 8 - 3' (H255689-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 8 - 4' (H255689-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/11/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 9 - SURFACE (H255689-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 68.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 9 - 1' (H255689-42)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34	
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01	
Total BTX	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/11/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 9 - 2' (H255689-43)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/11/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 9 - 3' (H255689-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.79	89.6	2.00	4.34		
Toluene*	<0.050	0.050	09/12/2025	ND	1.85	92.5	2.00	3.29		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.85	92.7	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.68	94.6	6.00	1.01		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 9 - 4' (H255689-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 10 - SURFACE (H255689-46)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 10 - 1' (H255689-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 10 - 2' (H255689-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 10 - 3' (H255689-49)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 10 - 4' (H255689-50)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	185	92.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	196	97.9	200	0.0715	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 11 - SURFACE (H255689-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/12/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 11 - 1' (H255689-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 11 - 2' (H255689-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/12/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 11 - 3' (H255689-54)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64	
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52	
Total BTX	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 11 - 4' (H255689-55)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 12 - SURFACE (H255689-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 12 - 1' (H255689-57)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64	
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52	
Total BTX	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 12 - 2' (H255689-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 12 - 3' (H255689-59)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 12 - 4' (H255689-60)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 13 - SURFACE (H255689-61)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 13 - 1' (H255689-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 13 - 2' (H255689-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 13 - 3' (H255689-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.90	94.8	2.00	1.64		
Toluene*	<0.050	0.050	09/12/2025	ND	1.91	95.7	2.00	0.141		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	1.90	95.0	2.00	1.55		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.89	98.1	6.00	2.52		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 13 - 4' (H255689-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 14 - SURFACE (H255689-66)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 14 - 1' (H255689-67)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 14 - 2' (H255689-68)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 14 - 3' (H255689-69)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/17/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 14 - 4' (H255689-70)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	206	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	209	104	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1 - SURFACE (H255689-71)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 58.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 52.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1 - 1' (H255689-72)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1 - 2' (H255689-73)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.9 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1 - 3' (H255689-74)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1 - 4' (H255689-75)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.0 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 2 - SURFACE (H255689-76)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 2 - 1' (H255689-77)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 2 - 2' (H255689-78)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 2 - 3' (H255689-79)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 2 - 4' (H255689-80)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3 - SURFACE (H255689-81)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 63.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 57.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3 - 1' (H255689-82)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 81.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 61.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3 - 2' (H255689-83)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3 - 3' (H255689-84)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	2.66		
Toluene*	<0.050	0.050	09/12/2025	ND	1.98	99.0	2.00	1.63		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	101	2.00	0.552		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.06	101	6.00	0.127		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 66.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3 - 4' (H255689-85)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 4 - SURFACE (H255689-86)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/15/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/15/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/15/2025	ND	6.39	106	6.00	2.83		
Total BTEX	<0.300	0.300	09/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 63.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 4 - 1' (H255689-87)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 4 - 2' (H255689-88)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 4 - 3' (H255689-89)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/15/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/15/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/15/2025	ND	6.39	106	6.00	2.83		
Total BTEX	<0.300	0.300	09/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 4 - 4' (H255689-90)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	195	97.4	200	1.10	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	200	99.8	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 69.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-58

Project Owner: Diversified Energy

Project Name: Vacuum ABO Unit #006 -- NGRL0917640334

Project Location: Lea County, NM

Sampler Name:

BILL TO

P.O. #: NM02503012.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune/Chris Straub

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX

PRESERV.

SAMPLING

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

21 5-Surface
22 5-1'
23 5-2'
24 5-3'
25 5-4'
26 6-Surface
27 6-1'
28 6-2'
29 6-3'
30 6-4'

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G 1
G 1
G 1
G 1
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Relinquished By:

Date:

Received By:

Phone Result: Yes No

Add'l Phone #:

Fax Result: Yes No

Add'l Fax #:

Relinquished By:

Date:

Received By:

REMARKS:

Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY:

(Initials)

TAT -- Standard

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-58

Project Owner: Diversified Energy

Project Name: Vacuum ABO Unit #006 -- NGRLO917640334

Project Location: Lea County, NM

Sampler Name:

BILL TO

P.O. #: NM02503012.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune/Chris Straub

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

PRESERV.

ACID/BASE:

ICE / COOL

OTHER :

SAMPLING

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

H2532059
31
32
33
34
35
36
37
38
39
40

7-Surface
7-1'
7-2'
7-3'
7-4'
8-Surface
8-1'
8-2'
8-3'
8-4'

G 1
G 1
G 1
G 1
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G 1
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G 1
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Relinquished By:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Relinquished By:

Date:

Received By:

Fax Result:

Yes

No

Add'l Fax #:

REMARKS:

Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY:

(Initials)

TAT -- Standard

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-58

Project Owner: Diversified Energy

Project Name: Vacuum ABO Unit #006 -- NGRL0917640334

Project Location: Lea County, NM

Sampler Name:

BILL TO

P.O. #: NM02503012.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune/Chris Straub

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID /BASE:

ICE / COOL

OTHER :

PRESERV.

SAMPLING

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

11-Surface

G

1

X

X

9/9/25

12:45

X

X

X

11-1'

G

1

X

X

1:00

X

X

X

11-2'

G

1

X

X

1:11

X

X

X

11-3'

G

1

X

X

1:18

X

X

X

11-4'

G

1

X

X

1:26

X

X

X

12-Surface

G

1

X

X

1:34

X

X

X

12-1'

G

1

X

X

1:42

X

X

X

12-2'

G

1

X

X

1:49

X

X

X

12-3'

G

1

X

X

1:59

X

X

X

12-4'

G

1

X

X

2:15

X

X

X

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Relinquished By:

Date:

Received By:

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Relinquished By:

Date:

Received By:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

REMARKS:

Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes Yes

No

No

CHECKED BY:

(Initials)

TAT - Standard

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-58

Project Owner: Diversified Energy

Project Name: Vacuum ABO Unit #006 -- NGRL0917640334

Project Location: Lea County, NM

Sampler Name:

BILL TO

P.O. #: NM02503012.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune/Chris Straub

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX

PRESERV.

SAMPLING

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

13-Surface
13-1'
13-2'
13-3'
13-4'
14-Surface
14-1'
14-2'
14-3'
14-4'

G 1
G 1
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G 1
G 1
G 1
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9/9/25
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2:38
2:47
2:55
3:12
3:21
3:32
3:40
3:55
4:10

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Relinquished By:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Relinquished By:

Time:

Received By:

Date:

REMARKS:

Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY:

(Initials)

TAT -- Standard

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Page 8 of 12



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-58

Project Owner: Diversified Energy

Project Name: Vacuum ABO Unit #006 -- NGRL0917640334

Project Location: Lea County, NM

Sampler Name:

BILL TO

P.O. #: NM02503012.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune/Chris Straub

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX

PRESERV.

SAMPLING

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

81
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90

H3-Surface
H3-1'
H3-2'
H3-3'
H3-4'
H4-Surface
H4-1'
H4-2'
H4-3'
H4-4'

G 1
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Relinquished By: *[Signature]*

Date:

9/1/25

Received By: *[Signature]*

Time: 1400

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

REMARKS:

Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)

TAT -- Standard

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

CE+0.3c #140

5.4c/5.7c

Sample Condition

Cool Intact

Yes

Yes

No

No

CHECKED BY:

(Initials)

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

September 17, 2025

TOM BYNUM
SAPEC-ECO, LLC
5846 E 21ST PLACE
TULSA, OK 74114

RE: VACUUM ABO UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 09/11/25 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 5 - SURFACE (H255690-01)

BTX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07	
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83	
Total BTX	<0.300	0.300	09/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 65.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 5 - 1' (H255690-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07	
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83	
Total BTX	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 5 - 2' (H255690-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07	
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83	
Total BTEX	<0.300	0.300	09/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2025	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 69.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 5 - 3' (H255690-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 5 - 4' (H255690-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2025	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 67.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 6 - SURFACE (H255690-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 6 - 1' (H255690-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 6 - 2' (H255690-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 6 - 3' (H255690-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 64.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 6 - 4' (H255690-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTX	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 62.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 7 - SURFACE (H255690-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 44.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 44.1 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 7 - 1' (H255690-12)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07	
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08	
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3	
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83	
Total BTX	<0.300	0.300	09/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 71.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 7 - 2' (H255690-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 7 - 3' (H255690-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	2.07		
Toluene*	<0.050	0.050	09/12/2025	ND	2.09	104	2.00	9.08		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.35	118	2.00	22.3		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	6.39	106	6.00	2.83		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 58.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 7 - 4' (H255690-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 8 - SURFACE (H255690-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/11/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/11/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 8 - 1' (H255690-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 8 - 2' (H255690-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/12/2025	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 71.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 8 - 3' (H255690-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/12/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 8 - 4' (H255690-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/12/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	197	98.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	189	94.7	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 9 - SURFACE (H255690-21)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTX	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/12/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	183	91.6	200	1.68	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	184	91.9	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 9 - 1' (H255690-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	183	91.6	200	1.68	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	184	91.9	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 9 - 2' (H255690-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/12/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	183	91.6	200	1.68	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	184	91.9	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 9 - 3' (H255690-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/12/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	183	91.6	200	1.68	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	184	91.9	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

SAPEC-ECO,LLC
TOM BYNUM
5846 E 21ST PLACE
TULSA OK, 74114
Fax To:

Received: 09/11/2025
Reported: 09/17/2025
Project Name: VACUUM ABO UNIT #006
Project Number: 4-58 (NGRL0917640334)
Project Location: DIVERSIFIED ENERGY - LEA CO NM

Sampling Date: 09/10/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 9 - 4' (H255690-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2025	ND	1.91	95.5	2.00	0.229		
Toluene*	<0.050	0.050	09/12/2025	ND	2.04	102	2.00	2.74		
Ethylbenzene*	<0.050	0.050	09/12/2025	ND	2.01	100	2.00	0.481		
Total Xylenes*	<0.150	0.150	09/12/2025	ND	5.92	98.6	6.00	0.377		
Total BTEx	<0.300	0.300	09/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/12/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2025	ND	183	91.6	200	1.68	
DRO >C10-C28*	<10.0	10.0	09/12/2025	ND	184	91.9	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	09/12/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC										BILL TO				Analysis Request																															
Project Manager: Tom Bynum -- tombynum@sapec-eco.com										P.O. #: NM02503012.00																																			
Address: 311 N Elm St										Company: Tetra Tech, Inc.																																			
City: Temple			State: OK			Zip: 73568				Attn: Chuck Terhune/Chris Straub																																			
Phone #: (580) 748-1613 Fax #:										Address:																																			
Project #: Sapec Project 4-58 Project Owner: Diversified Energy										City:																																			
Project Name: Vacuum ABO Unit #006 -- NGRL0917640334										State: Zip:																																			
Project Location: Lea County, NM										Phone #:																																			
Sampler Name:										Fax #:																																			
FOR LAB USE ONLY		Sample I.D.		(C)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.												SAMPLING																					
Lab I.D.								GROUNDWATER		WASTEWATER		SOIL												OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		BTX (8021B)		TPH (8015M)		Chlorides (SM4500Cl-B)	
H2552690																																													
21		H9-Surface		G		1																																							
22		H9-1'		G		1																																							
23		H9-2'		G		1																																							
24		H9-3'		G		1																																							
25		H9-4'		G		1																																							

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Relinquished By: <i>[Signature]</i>		Date: 9-11-25	Received By: <i>[Signature]</i>		Phone Result: Yes ☐ No ☒		Add'l Phone #:	
Relinquished By: <i>[Signature]</i>		Time: 0900	Received By: <i>[Signature]</i>		Fax Result: Yes ☐ No ☒		Add'l Fax #:	
Delivered By: (Circle One) CF+0.3c #440		Sample Condition Cool ☒ Intact ☐		CHECKED BY: (Initials) <i>[Signature]</i>		REMARKS:		
Sampler - UPS - Bus - Other: 5.4c / 5.7c		Yes ☒ No ☐				Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)		
		Yes ☐ No ☐				TAT -- Standard		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

KSUE Environmental LLC

Report to: Tom Bynum

Project Name: Vacuum ABO Unit #006

Work Order: E608108

Job Number: 25021-0001

Received: 8/12/2026

Revision: 1 8/18/26

Report Reviewed By:

Walter Hinchman
Laboratory Director

5796 U.S. Hwy 64
Farmington, NM 87401
Phone: (505) 632-1881



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

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Sample Summary

KSUE Environmental LLC	Project Name:	Vacuum ABO Unit #006	Reported: 08/18/26 10:46
311 N Elm St	Project Number:	25021-0001	
Temple OK, 73568	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1-1.5'	E608108-01A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
C2-1.5'	E608108-02A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
C3-1.5'	E608108-03A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
C4-1.5'	E608108-04A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
W1-0-1.5'	E608108-05A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
W2-0-1.5'	E608108-06A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
W3-0-1.5'	E608108-07A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.
W4-0-1.5'	E608108-08A	Soil	08/10/26	08/12/26	Glass Jar, 2 oz.



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

C1-1.5'

E608108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.6 %	70-130	08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		118 %	70-130	08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2633098	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>		95.6 %	69-135	08/13/26	08/13/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2633093	
Chloride	343	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

C2-1.5'

E608108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2633077
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2633077
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	118 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2633098
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	95.9 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2633093
Chloride	340	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

C3-1.5'

E608108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	119 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2633098	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	93.0 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2633093	
Chloride	244	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

C4-1.5'

E608108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2633077
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2633077
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	118 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2633098
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	94.2 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2633093
Chloride	302	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

W1-0-1.5'

E608108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	118 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2633098	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	95.2 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2633093	
Chloride	343	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

W2-0-1.5'

E608108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	118 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2633098	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	94.0 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2633093	
Chloride	199	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

W3-0-1.5'

E608108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	120 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2633098	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	94.1 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2633093	
Chloride	298	20.0	1	08/12/26	08/13/26	



Sample Data

KSUE Environmental LLC
311 N Elm St
Temple OK, 73568

Project Name: Vacuum ABO Unit #006
Project Number: 25021-0001
Project Manager: Tom Bynum

Reported:
8/18/2026 10:46:59AM

W4-0-1.5'

E608108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Benzene	ND	0.0250	1	08/12/26	08/12/26	
Ethylbenzene	ND	0.0250	1	08/12/26	08/12/26	
Toluene	ND	0.0250	1	08/12/26	08/12/26	
o-Xylene	ND	0.0250	1	08/12/26	08/12/26	
p,m-Xylene	ND	0.0500	1	08/12/26	08/12/26	
Total Xylenes	ND	0.0250	1	08/12/26	08/12/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2633077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/26	08/12/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	120 %	70-130		08/12/26	08/12/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2633098	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/26	08/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/26	08/13/26	
<i>Surrogate: n-Nonane</i>						
	95.5 %	69-135		08/13/26	08/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2633093	
Chloride	290	20.0	1	08/12/26	08/13/26	



QC Summary Data

KSUE Environmental LLC	Project Name:	Vacuum ABO Unit #006	Reported:
311 N Elm St	Project Number:	25021-0001	
Temple OK, 73568	Project Manager:	Tom Bynum	8/18/2026 10:46:59AM

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 (2633077-BLK1)

Prepared: 08/12/26 Analyzed: 08/12/26

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	6.70		8.00		83.8	70-130			

LCS (2633077-BS1)

Prepared: 08/12/26 Analyzed: 08/12/26

Benzene	4.66	0.0250	5.00		93.1	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.1	70-130			
Toluene	4.64	0.0250	5.00		92.8	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	8.99	0.0500	10.0		89.9	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.2	70-130			

Matrix Spike (2633077-MS1)

Source: E608107-02

Prepared: 08/12/26 Analyzed: 08/12/26

Benzene	5.38	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130			
Toluene	5.33	0.0250	5.00	ND	107	70-130			
o-Xylene	5.23	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.12		8.00		89.0	70-130			

Matrix Spike Dup (2633077-MSD1)

Source: E608107-02

Prepared: 08/12/26 Analyzed: 08/12/26

Benzene	5.74	0.0250	5.00	ND	115	70-130	6.38	20	
Ethylbenzene	5.57	0.0250	5.00	ND	111	70-130	6.36	20	
Toluene	5.68	0.0250	5.00	ND	114	70-130	6.19	20	
o-Xylene	5.55	0.0250	5.00	ND	111	70-130	5.96	20	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	6.47	20	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	6.30	20	
Surrogate: 4-Bromochlorobenzene-PID	7.12		8.00		89.0	70-130			



QC Summary Data

KSUE Environmental LLC	Project Name:	Vacuum ABO Unit #006	Reported:
311 N Elm St	Project Number:	25021-0001	
Temple OK, 73568	Project Manager:	Tom Bynum	8/18/2026 10:46:59AM

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 (2633077-BLK1)

Prepared: 08/12/26 Analyzed: 08/12/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.27		8.00		116	70-130			

LCS (2633077-BS2)

Prepared: 08/12/26 Analyzed: 08/12/26

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.3	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.45		8.00		118	70-130			

Matrix Spike (2633077-MS2)

Source: E608107-02

Prepared: 08/12/26 Analyzed: 08/12/26

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.45		8.00		118	70-130			

Matrix Spike Dup (2633077-MSD2)

Source: E608107-02

Prepared: 08/12/26 Analyzed: 08/12/26

Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	60-137	7.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.57		8.00		120	70-130			



QC Summary Data

KSUE Environmental LLC	Project Name:	Vacuum ABO Unit #006	Reported:
311 N Elm St	Project Number:	25021-0001	
Temple OK, 73568	Project Manager:	Tom Bynum	8/18/2026 10:46:59AM

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 (2633098-BLK1)					Prepared: 08/13/26 Analyzed: 08/13/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.2		50.0		96.5	69-135			

LCS (2633098-BS1)					Prepared: 08/13/26 Analyzed: 08/13/26				
Diesel Range Organics (C10-C28)	216	25.0	250		86.3	70-131			
Surrogate: n-Nonane	47.0		50.0		94.1	69-135			

Matrix Spike (2633098-MS1)					Source: E608107-01		Prepared: 08/13/26 Analyzed: 08/13/26		
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	62-151			
Surrogate: n-Nonane	48.8		50.0		97.5	69-135			

Matrix Spike Dup (2633098-MSD1)					Source: E608107-01		Prepared: 08/13/26 Analyzed: 08/13/26		
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.5	62-151	0.593	20	
Surrogate: n-Nonane	49.2		50.0		98.4	69-135			



QC Summary Data

KSUE Environmental LLC	Project Name:	Vacuum ABO Unit #006	Reported:
311 N Elm St	Project Number:	25021-0001	
Temple OK, 73568	Project Manager:	Tom Bynum	8/18/2026 10:46:59AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2633093-BLK1)					Prepared: 08/12/26 Analyzed: 08/13/26				
Chloride	ND	20.0							
LCS (2633093-BS1)					Prepared: 08/12/26 Analyzed: 08/13/26				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2633093-MS1)					Source: E608106-05		Prepared: 08/12/26 Analyzed: 08/13/26		
Chloride	277	20.0	250	ND	111	80-120			
Matrix Spike Dup (2633093-MSD1)					Source: E608106-05		Prepared: 08/12/26 Analyzed: 08/13/26		
Chloride	277	20.0	250	ND	111	80-120	0.0704	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

KSUE Environmental LLC	Project Name:	Vacuum ABO Unit #006	
311 N Elm St	Project Number:	25021-0001	Reported:
Temple OK, 73568	Project Manager:	Tom Bynum	08/18/26 10:46

- 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

Received by OCD: 9/1/2026 8:53:35 AM

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Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: KSUE Environmental, LLC				Company: Wild West Services, LLC				Lab WO# E608108				Job Number 25021-0001				1D 2D 3D Std X							
Project Name: Vacuum ABO Unit #006				Bill Category: 1076												NM CO UT TX X							
Project Manager: Tom Bynum				Property Code: 1238325.01																			
Address: 311 N Elm St				C/O: Jeremy Gonzales																			
City, State, Zip: Temple, OK 73568				Email: wildwestservicesllc@gmail.com																			
Phone: 580-748-1613				Miscellaneous: Project 4-58																			
Email: tombynum@gmail.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/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCED 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA					
10:30 am	8/10/2026	S	1	C1-1.5'		1								X									
10:45	8/10/2026	S	1	C2-1.5'		2								X									
10:55	8/10/2026	S	1	C3-1.5'		3								X									
11:00	8/10/2026	S	1	C4-1.5'		4								X									
11:10	8/10/2026	S	1	W1--0-1.5'		5								X									
11:25	8/10/2026	S	1	W2--0-1.5'		6								X									
11:28	8/10/2026	S	1	W3--0-1.5'		7								X									
11:30	8/10/2026	S	1	W4--0-1.5'		8								X									
Additional Instructions: NMOCD Incident ID NGRLO917640334																							
I, (field sample) 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>Barric Cagle</u>																							
Relinquished by: (Signature) <u>Barric Cagle</u>				Date <u>8-11-26</u>		Time <u>1:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>8-11-26</u>		Time <u>1300</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.							
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>8-11-26</u>		Time <u>1330</u>		Received by: (Signature) <u>Marissa Gonzales</u>				Date <u>8-11-26</u>		Time <u>1330</u>									
Relinquished by: (Signature) <u>Marissa Gonzales</u>				Date <u>8-11-26</u>		Time <u>1710</u>		Received by: (Signature) <u>Johnny Archuleta</u>				Date <u>8-11-26</u>		Time <u>1710</u>									
Relinquished by: (Signature) <u>Johnny Archuleta</u>				Date <u>8-11-26</u>		Time <u>2045</u>		Received by: (Signature) <u>Noe Soto</u>				Date <u>8-12-26</u>		Time <u>0600</u>									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on Ice: <u>(Y) N</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 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: 8/12/2026 8:50:17AM

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: KSUE Environmental LLC
 Phone: (580) 748-1613
 Email: tombynum@gmail.com

Date Received: 08/12/26 06:00
 Date Logged In: 08/11/26 14:57
 Due Date: 08/18/26 17:00 (4 day TAT)

Work Order ID: E608108
 Logged In By: Noe Soto

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

Carrier: Courier

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

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

L-NS
 R-NV

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

Date



envirotech Inc.



September 21, 2020

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505

**Subject: Closure Letter Report
ConocoPhillips
1RP-2215
Vacuum Abo Well #10-06 Flowline Release
PLSS Unit Letter L, Section 34, Township 17 South, and Range 35 East
Lea County, New Mexico**

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips Vacuum Abo Well #10-06 (API No. 30-025-03012) is located approximately 3.2 miles east-southeast of Buckeye in Lea County, New Mexico (Figure 1). The well is located in the Public Land Survey System (PLSS) Unit Letter L, Section 34, Township 17 South, and Range 35 East. The coordinates of the release area (Site) are 32.788483°, -103.452933°.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on June 22, 2009 a 2 3/8-inch flowline check valve failed, resulting in the release of 28 barrels (bbls) of produced water and 3.3 bbls of crude oil at the Vacuum ABO #10-06 well. The release affected an approximately 230-foot (ft) by 78-ft by 1/2-inch area of caliche pad and road. During initial response activities, a vacuum truck recovered approximately 21 bbls of produced water and 2 bbls of crude oil. Notice was given to the New Mexico Oil Conservation Division (NMOCD) on June 24, 2009, and the release was subsequently assigned the Remediation Permit (RP) number 1RP-2215.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area.

Based on data from the New Mexico Office of the State Engineer (NMOSE), there are 9 water wells located in PLSS Section 34, Township 17 South, and Range 35 East. The average depth to groundwater is 64 ft. The site characterization data is shown in Attachment B.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

TETRA TECH

8911 N. Capital of Texas Hwy, Building 2, Suite 2310, Austin, TX, 78759

Tel 512-338-1667 Fax 512-338-1331 www.tetrattech.com

Bradford Billings
NMOCD
September 21, 2020

Based on the depth to groundwater at the Site, the RRALs for the Site are as follows:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO): 1,000 mg/kg;
- TPH (GRO + DRO + ORO): 2,500 mg/kg;
- Chloride: 600 mg/kg (0 – 4 ft bgs);
- Chloride: 20,000 mg/kg (>4 ft bgs).

VISUAL SITE INSPECTION SUMMARY

At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on June 2, 2020 at the release area evaluate to current conditions at the Site. The formerly impacted area was identified from the description in the C-141 (and correspondence with ConocoPhillips). Photographic documentation from the visual assessment is included as Attachment C. A list of observations made during the records review and visual Site inspection follow:

- Review of available aerial imagery revealed no evidence of impact in the reported release location.
- No surficial staining was noted in the reported release area footprint (caliche pad and road) during the June 2020 visual Site inspection.

CONCLUSION

Based on a review of available aerial imagery and the June 2020 visual Site inspection, no existing evidence of impact was observed in the vicinity of the release point. Therefore, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at christian.llull@tetrattech.com.

Sincerely,



Christian M. Llull
Project Manager
Tetra Tech, Inc.

FIGURES



Source: Google Earth Pro, May 2019.



TETRA TECH

www.tetrattech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

1RP-2215

(32.788483°, -103.452933°)

LEA COUNTY, NEW MEXICO

**VAC ABO WELL # 10-06 FLOWLINE RELEASE
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02152

DATE: JUNE 15, 2020

DESIGNED BY: AAM

Figure No.

1

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\FIGURE 1 SITE LOCATION_1RP-2215.MXD

ATTACHMENT A
C-141 Forms

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
JUN 24 2009
HOBBSOCD

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ConocoPhillips Company	Contact John W. Gates
Address 3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No. 505.391.3158
Facility Name VAC ABO Well # 10-06	Facility Type Oil and Gas
Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico
Lease No 30-025-03012-00-00	

LOCATION OF RELEASE

Unit Letter L	Section 34	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
-------------------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	----------------------

Latitude **32 47.309** Longitude **103 27.176**

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 31.3bbl (3.3oil, 28water)	Volume Recovered (2oil, 21water)
Source of Release 23/8" flowline due to check valve failure	Date and Hour of Occurrence 6/22/09 1445	Date and Hour of Discovery 6/22/09 1520
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Geffrey Leking by phone	
By Whom? John Gates	Date and Hour 6/24/09 0708	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 167' BGIS JUNE 25/09

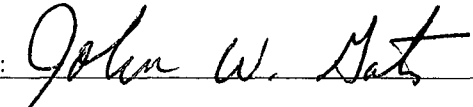
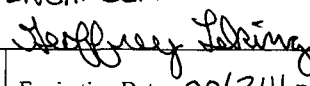
Describe Cause of Problem and Remedial Action Taken.*

23/8" flowline check valve failed resulting in 28 bbls of produced water and 3.3 bbls of crude oil being spilled onto location pad and road. MSO shut in well and generated work order to effect repairs. Vacuum truck picked up 21 bbls of water and 2 bbls of crude oil.

Describe Area Affected and Cleanup Action Taken.*

230' X 78' X 1/2" area of caliche pad and road. Spill site will be remediated in accordance with agreement with NMOCD. Vacuum truck picked up 21 bbls of water and 2 bbls of crude oil.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: John W. Gates	Approved by ENVIRONMENTAL ENGINEER:  District Supervisor	
Title: HSER Lead	Approval Date: 06/25/09	Expiration Date: 08/24/09
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval: DELINEATE TO CLEAN +1. SUBMIT FINAL C-141 BY 08/24/09.	
Date: 6/25/09 Phone: 505.391.3158	Attached ☐ IRP-09-6-2215	

• Attach Additional Sheets If Necessary

FGRH0917639553

Incident ID	NGRL0917640334
District RP	1RP-2215
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Charles BeauvaisTitle: Environmental CoordinatorSignature: Charles R. Beauvais 99Date: 09/21/2020email: charles.r.beauvaisTelephone: 575-988-2043

OCD Only

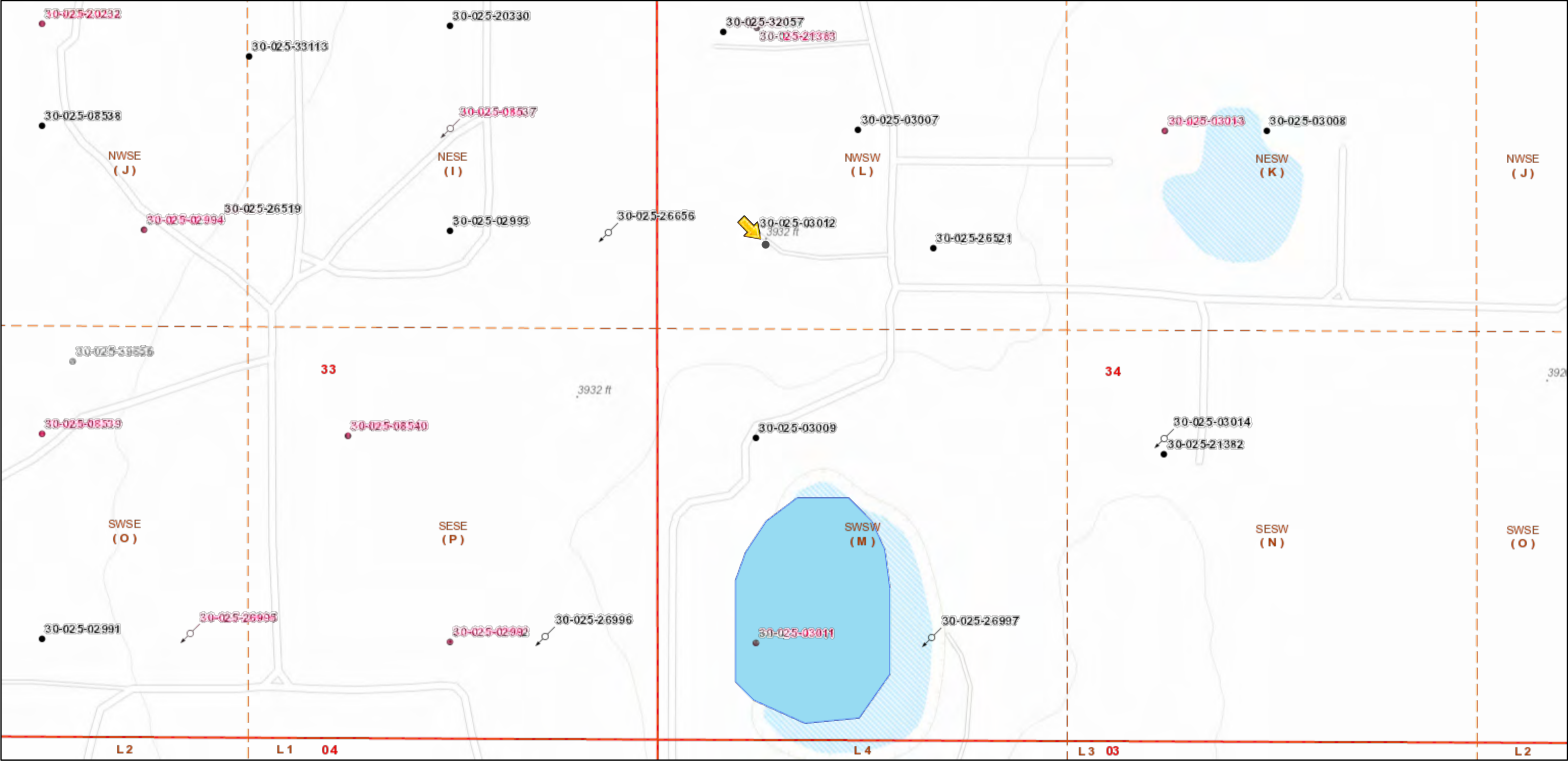
Received by: Jocelyn HarimonDate: 04/17/2023

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

Closure Approved by: Closure not approvedDate: 04/17/2023Printed Name: Jocelyn HarimonTitle: Environmental Specialist

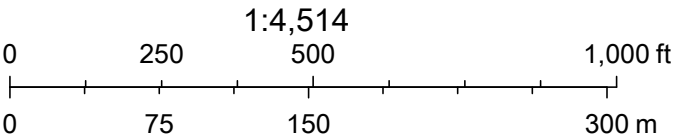
ATTACHMENT B
Site Characterization Data

1RP-2215



7/27/2020, 4:22:55 PM

- Override 1
- CO2, New
- Gas, Plugged
- Injection, Temporarily Abandoned
- Salt Water Injection, Active
- Wells - Large Scale
- CO2, Plugged
- Gas, Temporarily Abandoned
- Oil, Active
- Salt Water Injection, Cancelled
- undefined
- CO2, Temporarily Abandoned
- Injection, Active
- Oil, Cancelled
- Salt Water Injection, New
- Miscellaneous
- Gas, Active
- Injection, Cancelled
- Oil, New
- Salt Water Injection, Plugged
- CO2, Active
- Gas, Cancelled
- Injection, New
- Oil, Plugged
- Salt Water Injection, Temporarily Abandoned
- CO2, Cancelled
- Gas, New
- Injection, Plugged
- Oil, Temporarily Abandoned
- Water, Active

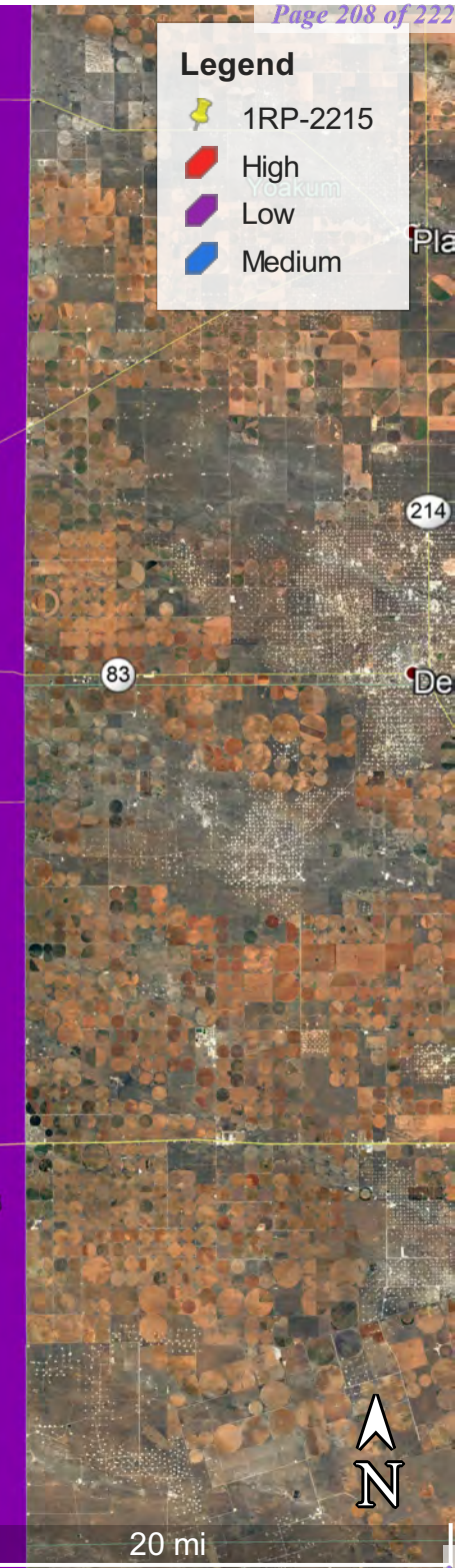
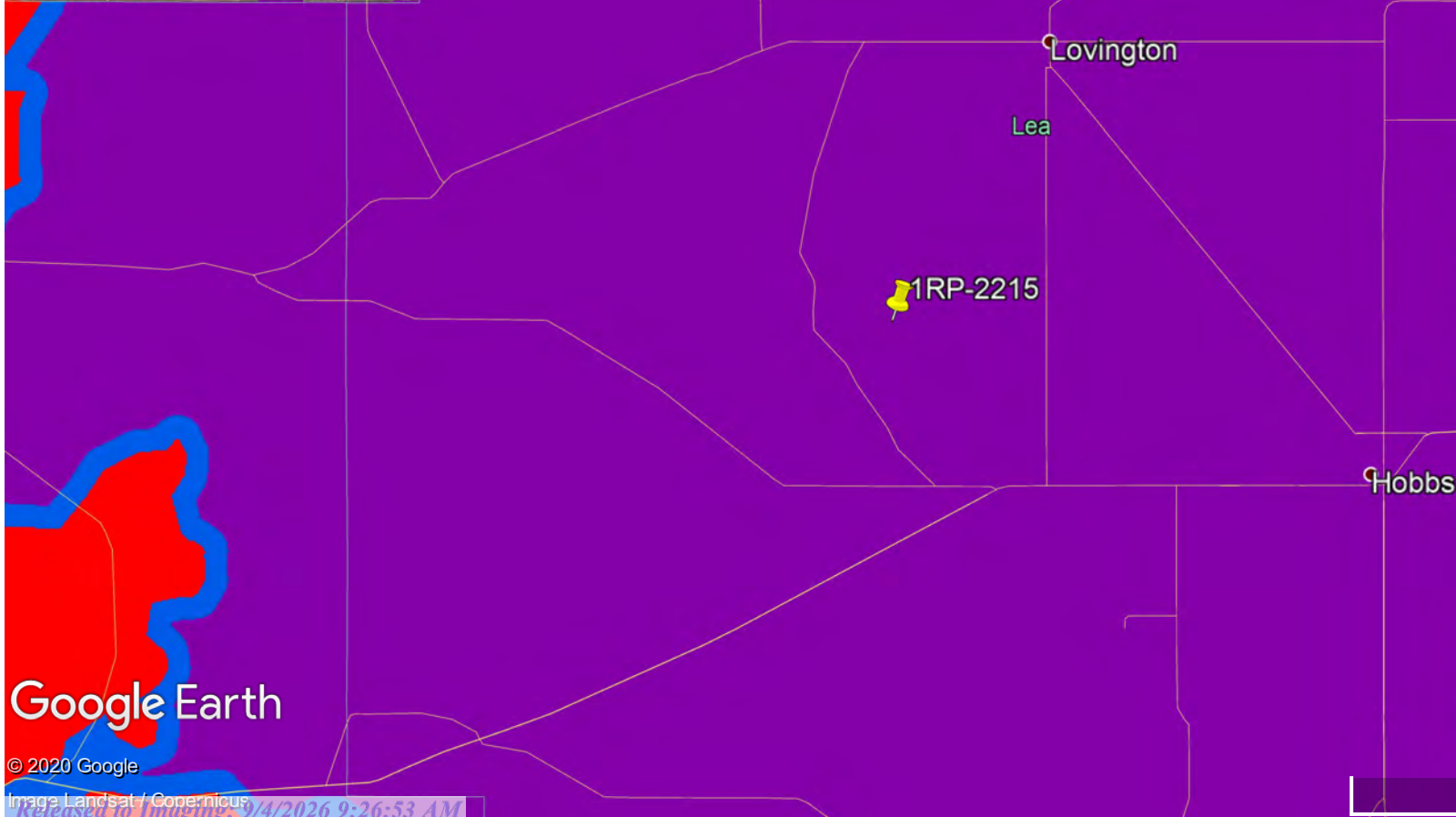


Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

KARST POTENTIAL MAP

1RP-2215

- Legend**
-  1RP-2215
 -  High
 -  Low
 -  Medium





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 Q Q						X	Y	Distance	DepthWell	DepthWater	Water Column	
				64	16	4	Sec	Tws	Rng							
L_05834	R	L	LE	2	2	4	33	17S	35E	644663	3629109* 	297	160	70	90	
L_05834 POD5		L	LE	2	2	4	33	17S	35E	644663	3629109* 	297	234	65	169	
L_04618		L	LE		3	3	34	17S	35E	644973	3628611* 	303	128	55	73	
L_04633		L	LE		2	4	33	17S	35E	644564	3629010* 	328	130	65	65	
L_04775		L	LE		4	1	34	17S	35E	645365	3629421* 	719	133	68	65	
L_04727		L	LE					34	17S	35E	645576	3629214* 	772	120	45	75
L_04793		L	LE					34	17S	35E	645576	3629214* 	772	150	50	100

Average Depth to Water: **59 feet**

Minimum Depth: **45 feet**

Maximum Depth: **70 feet**

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 644872

Northing (Y): 3628897

Radius: 800

*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.

9/16/20 2:43 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

ATTACHMENT C

Photographic Documentation



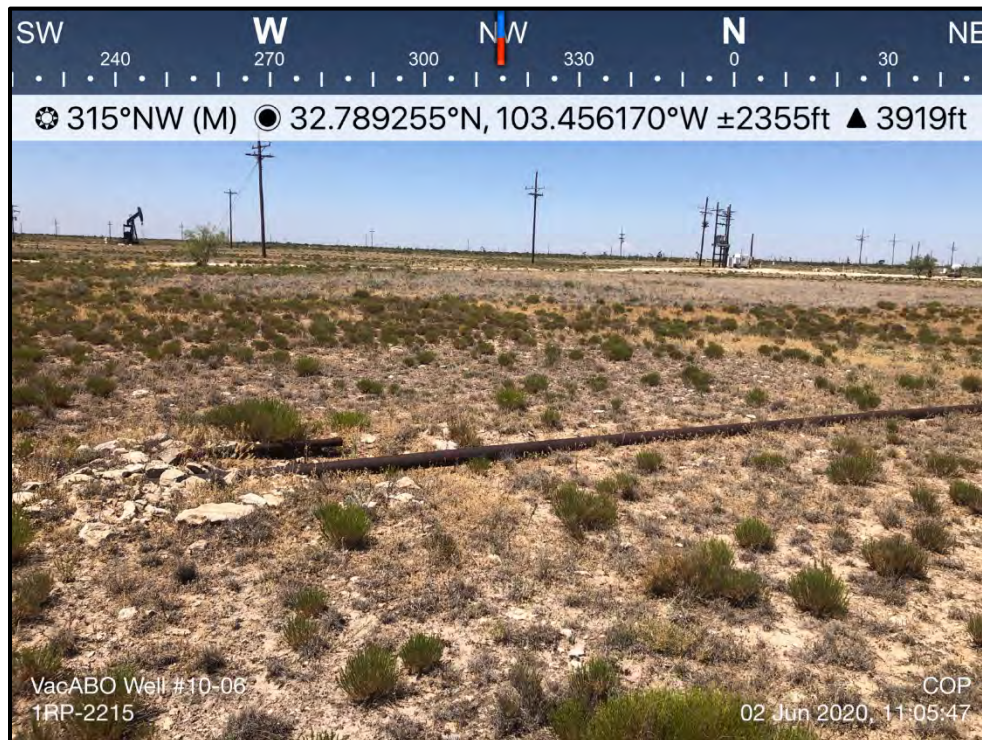
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing east of well head and control box on well pad.	1
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020



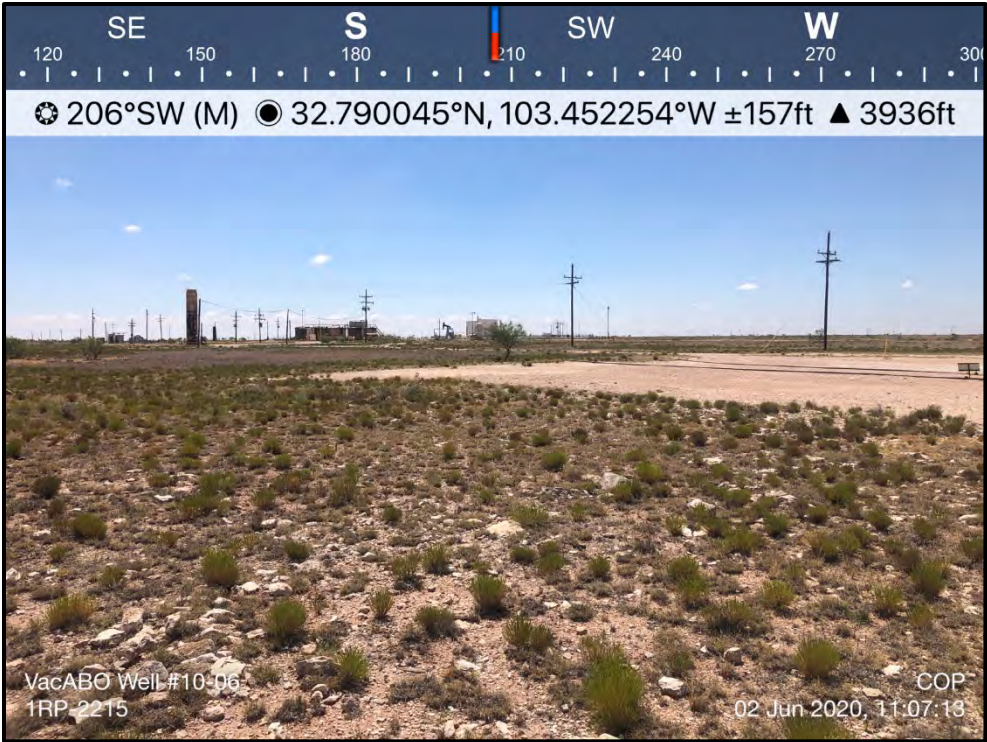
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing east on the eastern edge of the well pad.	2
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020



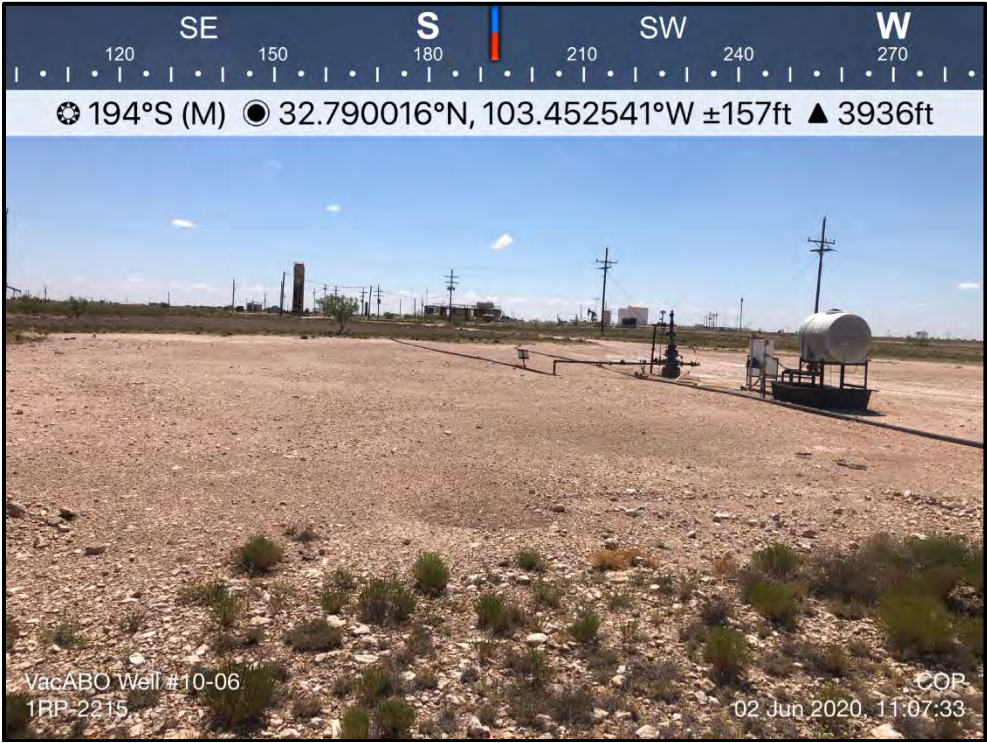
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing north of lease road adjacent to well pad.	3
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020



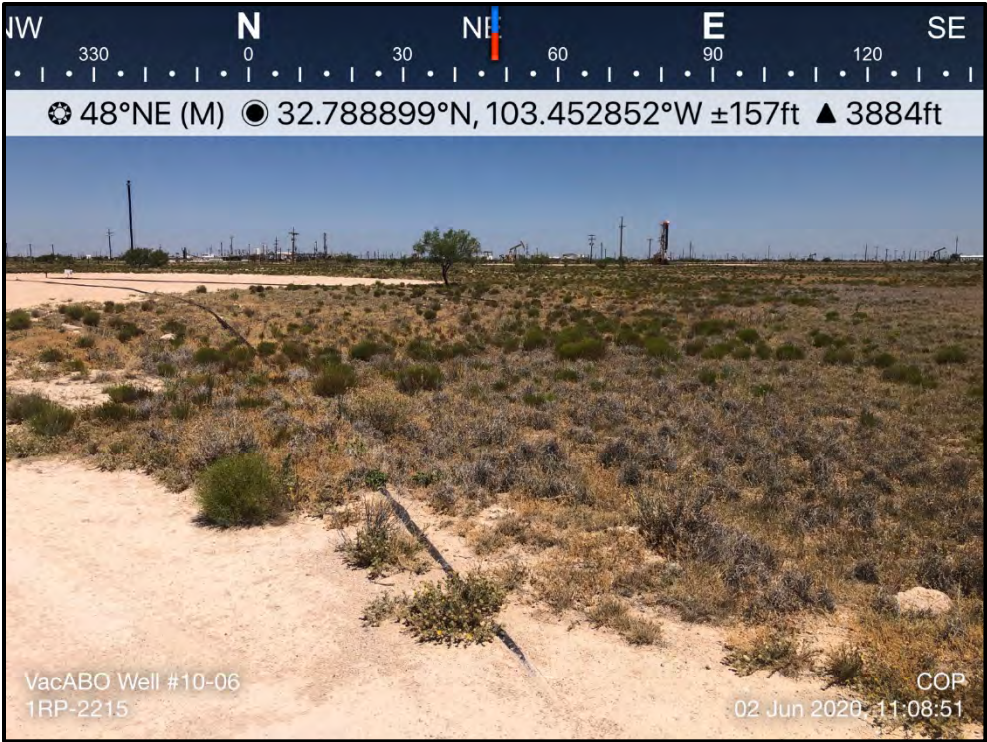
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northwest towards the well pad.	4
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing southwest towards the well pad.	5
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing south of well head and pad.	6
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northeast of flowline on well pad and lease road.	7
	SITE NAME	VAC ABO Well # 10-06 Flowline Release	6/2/2020

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 619663

QUESTIONS

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0917640334
Incident Name	NGRL0917640334 VACUUM ABO UNIT #006 @ 30-025-03012
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-03012] VACUUM ABO UNIT #006

Location of Release Source

Please answer all the questions in this group.

Site Name	VACUUM ABO UNIT #006
Date Release Discovered	06/22/2009
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 3 BBL Recovered: 2 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Unknown Produced Water Released: 28 BBL Recovered: 21 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.

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, Page 2

Action 619663

QUESTIONS (continued)

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Chris Straub Title: Contractor Email: chris.straub@tetrattech.com Date: 09/01/2026
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 619663

QUESTIONS (continued)

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID:
	331199
	Action Number:
	619663
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 51 and 75 (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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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)	1300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	89
GRO+DRO (EPA SW-846 Method 8015M)	59
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	08/03/2026
On what date will (or did) the final sampling or liner inspection occur	08/10/2026
On what date will (or was) the remediation complete(d)	08/21/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	45
<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 619663

QUESTIONS (continued)

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	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	FEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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: Chris Straub Title: Contractor Email: chris.straub@tetrattech.com Date: 09/01/2026
<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 619663

QUESTIONS (continued)

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	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 619663

QUESTIONS (continued)

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	612128
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/10/2026
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	800

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	800
What was the total volume (cubic yards) remediated	45
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	None
<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: Chris Straub Title: Contractor Email: chris.straub@tetrattech.com Date: 09/01/2026

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QUESTIONS, Page 7

Action 619663

QUESTIONS (continued)

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 619663

CONDITIONS

Operator: Maverick Permian LLC 500 Dallas Street, Suite 2300 Houston, TX 77002	OGRID: 331199
	Action Number: 619663
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure approved.	9/4/2026
michael.buchanan	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.	9/4/2026
michael.buchanan	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.	9/4/2026
michael.buchanan	A revegetation report will not be accepted until revegetation 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.	9/4/2026
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	9/4/2026
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	9/4/2026