

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

Re: REMEDIATION CLOSURE REPORT
NMOCD Incident Number: **nGRL1013351539**
East Vacuum (GSA) Unit #001 API No. 30-025-26577
Unit G, Section 29, Township 17S, Range 35E 1330 FNL 1410 FEL Lea County, NM
GPS Coordinates: Latitude 32.8096695 Longitude -103.475914 NAD83

Sapec-Eco (Sapec) has been contracted by Maverick Permian, LLC. (Maverick) to remediate this historic incident and prepare this remediation closure report for a crude oil release that occurred at the East Vacuum (GSA) Unit #001 (Site). This incident was assigned Incident ID nGRL1013351539 by the New Mexico Oil Conservation Division (NMOCD).

Release Information – nGRL1013351539

The initial Form C-141 was submitted on April 20, 2010 (Appendix A) and stated that “The release originated from a hole in a 2” steel buried flow line due to suspected internal/external corrosion. The affected area is a 390' X 45' X 1" area of pastureland with no livestock present at the time of the release. Upon discovery the MSO shut in the well which effectively stopped the release of any additional fluids then notified supervision, HSE and NMOCD. The affected area is a 390' X 45' X 1" area of pastureland with no livestock present at the time of the release. Vacuum trucks were called to pick up standing fluids and a temporary fence was put in place to prevent livestock from entering the spill site” This initial Form C-141 was approved by the NMOCD on May 13, 2010.

Site Characterization

This Site is in Lea County, NM, approximately eleven (11) miles southwest of Lovington, NM. The wellhead is in Unit G, Section 29, Township 17S, Range 35E, at 32.8096695 degrees latitude and -103.475914 degrees longitude. The potential release area starts near the wellhead and extends south but remains in Unit G. A Location Map is included for reference in Figure 7.

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. A Geologic Unit Map can be found in Appendix C.

The soil type present at the Site is Kimbrough-Lea complex, dry, 0 to 3 percent slopes. The drainage class is well drained. Soil type information is according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The Soil Survey and a Soil Map can be referenced in Appendix C. Reference Figure 6 for a Topographic Map.

The Site resides in a low karst zone and is approximately 25.89 miles away from the nearest medium karst zone. Figure 5 refers to the Karst Map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 55 feet below grade surface (bgs). This information is recorded by L-01919-POD2 which is situated approximately 0.25 miles away from the Site. This information is from 1997. The United States Geological Survey (USGS) offers the site USGS 324813103275901 17S.35E.28.131443 which shows depth to the nearest groundwater is 71 feet bgs. The latest gauge of this site was conducted in 1986, and it is located approximately 0.41 miles from the Site.

The nearest surface water feature is an Unnamed Pond, and it is located approximately 1.76 miles to the west. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Pond approximately 0.27 miles north. 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. See Appendix B for referenced Water Surveys and Water-Related Maps.

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. A Special Status Plant/Wildlife Map is included in Figure 4.

The remediation area at the Site is in previously disturbed and undisturbed areas developed for oil and gas extraction; therefore, a cultural resource survey will be required in the pasture area at the Site for planned remediation activities. The requirements of the Cultural Properties Protection (CCP) Rule will be followed.

Assessment and Delineation Activities

On August 4, 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 17,600 square feet and is on the pad surface, lease road, and in the pasture. Sixty-five discrete soil samples were collected from thirteen different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Fifty discrete soil samples were collected from ten different sample points around the edges of the release area from depths of surface, 1', 2', 3', and 4' bgs. All samples were put on ice, prepared for delivery, then delivered to Cardinal Laboratories where they were analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC.

On August 11, 2025, the laboratory report was received and revealed TPH contamination levels at sample point 9, which was entirely in the pasture, were over the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1. Full vertical and horizontal delineation was completed during this sampling event. The laboratory results for all samples can be found in the Data Tables included in Figure 2. The corresponding Sample Map for this sampling event can be found in Figure 1.

Remediation Activities

On September 12, 2025, field personnel mobilized equipment to the site to begin remediating the area surrounding sample points 9. A 400 square foot area was marked off and excavated to a depth of 2.5' bgs. The total of all contaminated soil that was removed equals approximately 37 cubic yards. Photographic Documentation is included in Appendix D.

On September 16, 2025, after Maverick submitted a 48-hour notification of sampling (Appendix A), field personnel returned to the site to collect confirmation samples from the excavated area. 5-point composite samples were collected from the bases and walls of the excavation. The excavation yielded two base composite samples and two wall composite samples. All samples were put on ice, prepared for delivery, then delivered to Cardinal Laboratories where they were analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC.

On September 22, 2025, the laboratory report was received and revealed contamination levels at all sample points were under the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1. The laboratory results for this sampling event can be found in the Data Tables included in Figure 2. The corresponding Confirmation Sample Map for this sampling event can be found in Figure 3. After receipt of this verification, the excavated areas were backfilled with clean, like topsoil material, contoured, and seeded with the approved NMSLO seed mixture for Loamy (L) soil. Complete Laboratory Reports can be referenced in Appendix E.

Request for Remediation Closure Approval

Final sampling from all remediated areas verified that contaminants are under the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC, therefore, Maverick requests that this remediation closure report for incident ID nGRL1013351539 be approved. All rules and regulations set forth by 19.15.29.12 NMAC have been complied with. Maverick also complied with 19.15.29.13 NMAC by using topsoil and seeding the area with the NMSLO-approved seed mixture for Loamy (L) soil.

For questions or additional information, please reach out to:
Maverick Permian – Bryce Wagoner – bwagoner@dgoc.com – (928) 241-1862
Sapec-Eco, LLC – Tom Bynum – tombynum@sapec-eco.com – (580) 748-1613

Attachments

Figures:

- 1- Sample Map
- 2- Data Tables
- 3- Confirmation Sample Map
- 4- Special Status Plant/Wildlife Map
- 5- Karst Map
- 6- Topographic Map
- 7- Location Map

Appendices:

- Appendix A – Initial Form C-141 & 48-Hour Sampling Notifications
- Appendix B – Water Surveys & Water-Related Maps
- Appendix C – Soil Surveys, Soil Map, & Geologic Unit Map
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

Figures:

Sample Map

Data Tables

Confirmation Sample Map

Special Status Plant/Wildlife Map

Karst Map

Topographic Map

Location Map

East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
nGRL1013351539
Sample Map

Legend

-  Buried flowline
-  Potential release area - 17,600 sqft
-  Proposed horizontal samples
-  Proposed vertical samples



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Maverick Permian - East Vacuum (GSA) Unit #001 - NGRL1013351539								
NM Approved Sample Results - Samples Collected 8/4/2025								
Sample ID	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	0'	<0.05	<0.3	<10	<10	<10	ND	384
1-1'	1'	<0.05	<0.3	<10	<10	<10	ND	160
1-2'	2'	<0.05	<0.3	<10	<10	<10	ND	224
1-3'	3'	<0.05	<0.3	<10	<10	<10	ND	208
1-4'	4'	<0.05	<0.3	<10	<10	<10	ND	224
2-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	224
2-1'	1'	<0.05	<0.3	<10	<10	<10	ND	176
2-2'	2'	<0.05	<0.3	<10	<10	<10	ND	192
2-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
2-4'	4'	<0.05	<0.3	<10	<10	<10	ND	32
3-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	32
3-1'	1'	<0.05	<0.3	<10	<10	<10	ND	16
3-2'	2'	<0.05	<0.3	<10	<10	<10	ND	32
3-3'	3'	<0.05	<0.3	<10	<10	<10	ND	16
3-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
4-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	16
4-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
4-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
4-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
4-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
5-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
5-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
5-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
5-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
5-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
6-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
6-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
6-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
6-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
6-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
7-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
7-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
7-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
7-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
7-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
8-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
8-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
8-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
8-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
8-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
9-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
9-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
9-2'	2'	<0.05	<0.3	<10	110	96	206	<16
9-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
9-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
10-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
10-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
10-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
10-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
10-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16

Sample ID	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-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
11-1'	1'	<0.05	<0.3	<10	<10	<10	ND	16
11-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
11-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
11-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
12-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
12-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
12-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
12-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
12-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
13-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	<16
13-1'	1'	<0.05	<0.3	<10	<10	<10	ND	<16
13-2'	2'	<0.05	<0.3	<10	<10	<10	ND	<16
13-3'	3'	<0.05	<0.3	<10	<10	<10	ND	<16
13-4'	4'	<0.05	<0.3	<10	<10	<10	ND	<16
W1-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	96
W1-1'	1'	<0.05	<0.3	<10	<10	<10	ND	96
W1-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W1-3'	3'	<0.05	<0.3	<10	<10	<10	ND	96
W1-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W2-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	96
W2-1'	1'	<0.05	<0.3	<10	<10	<10	ND	80
W2-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W2-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W2-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W3-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W3-1'	1'	<0.05	<0.3	<10	<10	<10	ND	80
W3-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W3-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W3-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W4-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W4-1'	1'	<0.05	<0.3	<10	<10	<10	ND	80
W4-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W4-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W4-4'	4'	<0.05	<0.3	<10	<10	<10	ND	64
W5-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W5-1'	1'	<0.05	<0.3	<10	<10	<10	ND	80
W5-2'	2'	<0.05	<0.3	<10	<10	<10	ND	48
W5-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W5-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W6-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W6-1'	1'	<0.05	<0.3	<10	<10	<10	ND	80
W6-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W6-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W6-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W7-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	96
W7-1'	1'	<0.05	<0.3	<10	<10	<10	ND	96
W7-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W7-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W7-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W8-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W8-1'	1'	<0.05	<0.3	<10	<10	<10	ND	96

Sample ID	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total TPH mg/kg	Chlorides mg/kg
W8-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W8-3'	3'	<0.05	<0.3	<10	<10	<10	ND	96
W8-4'	4'	<0.05	<0.3	<10	<10	<10	ND	80
W9-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W9-1'	1'	<0.05	<0.3	<10	<10	<10	ND	96
W9-2'	2'	<0.05	<0.3	<10	<10	<10	ND	80
W9-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W9-4'	4'	<0.05	<0.3	<10	<10	<10	ND	96
W10-Surface	0'	<0.05	<0.3	<10	<10	<10	ND	80
W10-1'	1'	<0.05	<0.3	<10	<10	<10	ND	80
W10-2'	2'	<0.05	<0.3	<10	<10	<10	ND	96
W10-3'	3'	<0.05	<0.3	<10	<10	<10	ND	80
W10-4'	4'	<0.05	<0.3	<10	<10	<10	ND	48

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Maverick Permian - East Vacuum (GSA) Unit #001 - NGRL1013351539								
NM Approved Sample Results - Samples Collected 9/16/2025								
Sample ID	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 - 2.5'	2.5'	<0.05	<0.3	<10	<10	<10	ND	80
2 - 2.5'	2.5'	<0.05	<0.3	<10	<10	<10	ND	16
W1 - 2.5'	2.5'	<0.05	<0.3	<10	<10	<10	ND	16
W2 - 2.5'	2.5'	<0.05	<0.3	<10	<10	<10	ND	<16

East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
NGRL1013351539
Confirmation Sample Map

Legend

-  2.5' Excavation - 400 sqft - 37 cuys
-  Confirmation base samples
-  Confirmation wall samples

 32.809009, -103.475928

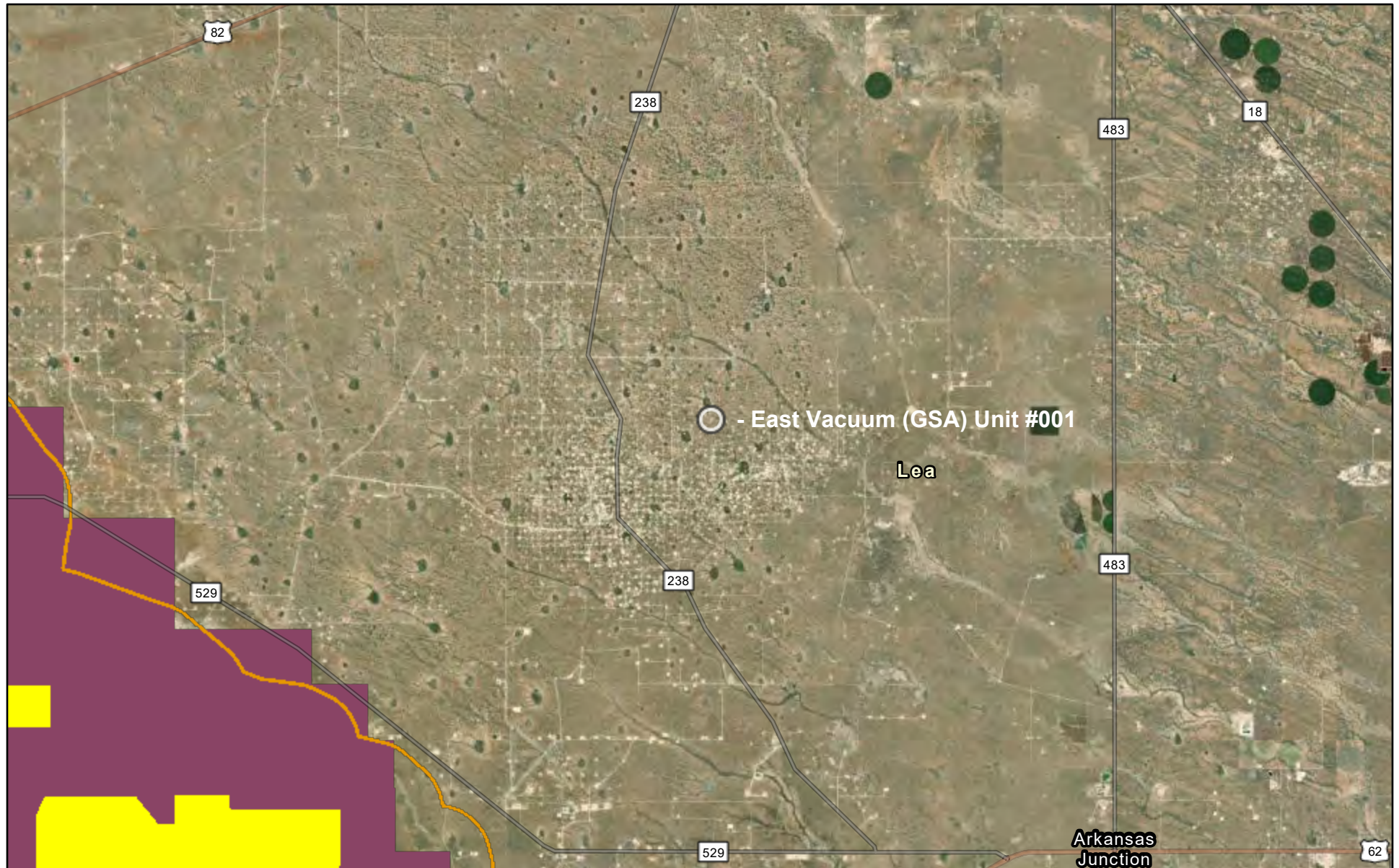


Google Earth



60 ft

Special Status Plant/Wildlife Map



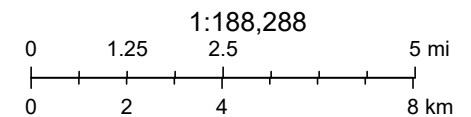
4/23/2025

- 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



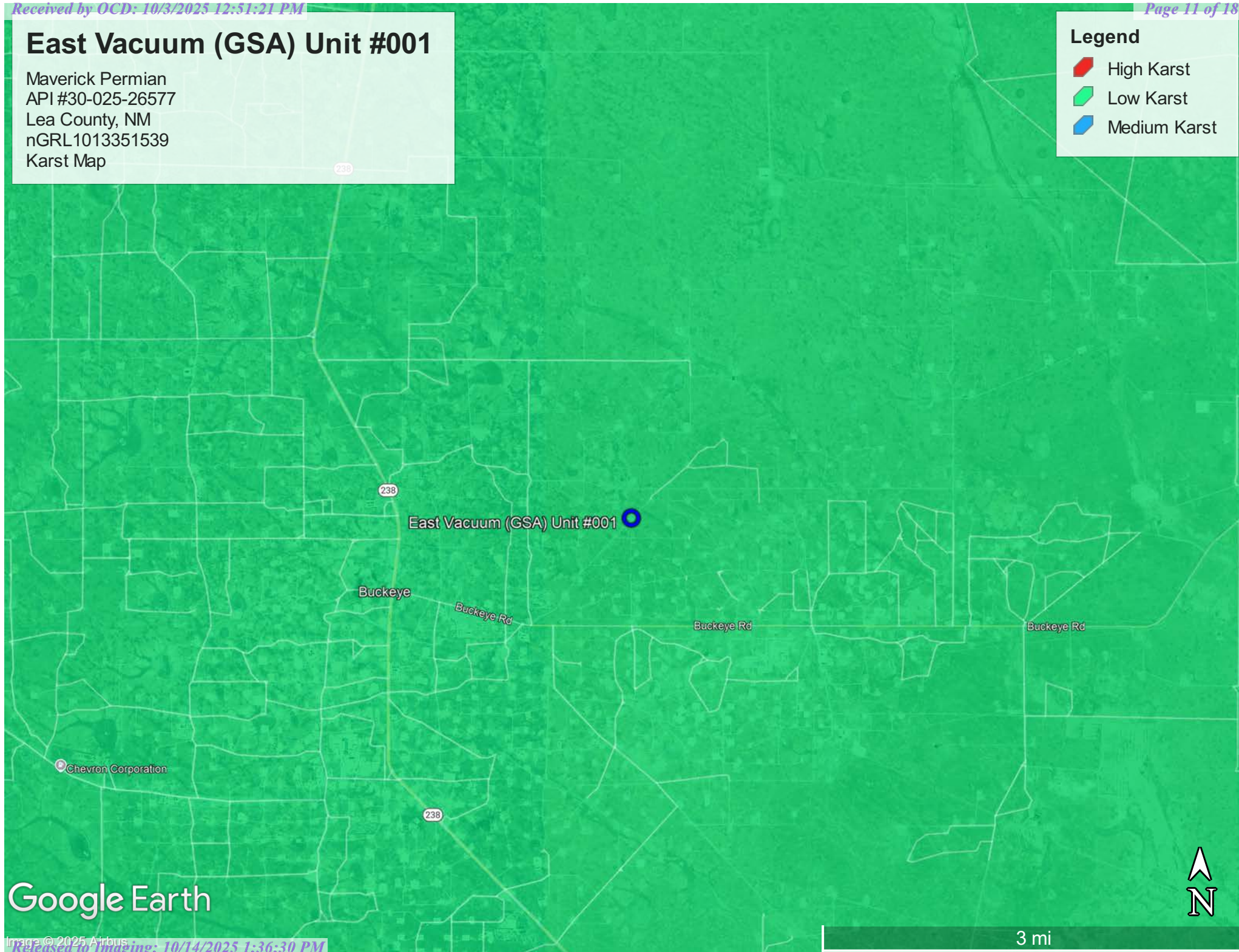
Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
nGRL1013351539
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

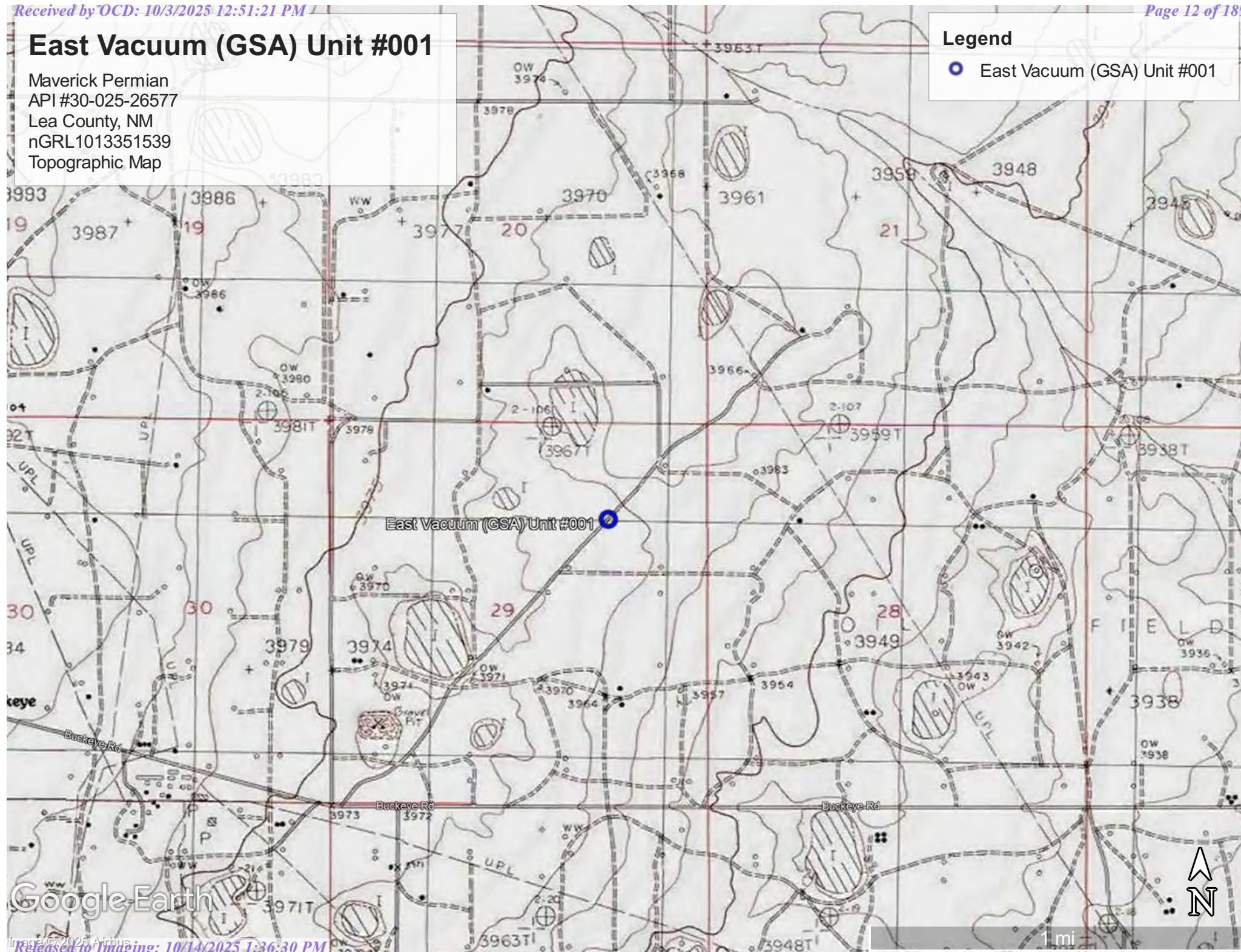
3 mi

East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
nGRL1013351539
Topographic Map

Legend

● East Vacuum (GSA) Unit #001



East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
nGRL1013351539
Location Map

Legend

● East Vacuum (GSA) Unit #001

East Vacuum (GSA) Unit #001
Buckeye

Google Earth

Image © 2025 Airbus
Released to Imaging: 10/14/2025 1:36:30 PM

Arkansas Junction

8 mi



Appendix A

Initial Form C-141

48-Hour Sampling Notifications

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

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

RECEIVED
APR 20 2010
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 EVGSAU 2923-001	Facility Type Oil and Gas
Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico
Lease No 30025265770000	

LOCATION OF RELEASE

Unit Letter 8 G	Section 29	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County
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Latitude **N 32 degrees 48.264**

Longitude **W 103 degrees 28.457**

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 46.3bbl (40oil, 6.3water)	Volume Recovered (28oil, 2water)
Source of Release The release originated from a hole in a 2" steel buried flow line due to suspected internal/external corrosion	Date and Hour of Occurrence 4/16/10 0500	Date and Hour of Discovery 4/16/10 1300
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Sylvia	
By Whom? Kerry Mackey	Date and Hour 4/16/10 2030	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

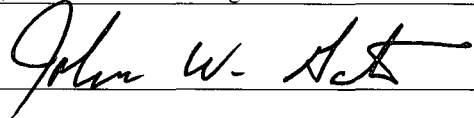
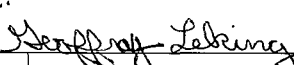
Describe Cause of Problem and Remedial Action Taken.*

The release originated from a hole in a 2" steel buried flow line due to suspected internal/external corrosion. The affected area is a 390' X 45' X 1" area of pasture land with no livestock present at the time of the release. Upon discovery the MSO shut in the well which effectively stopped the release of any additional fluids then notified supervision, HSE and NMOCD.

Describe Area Affected and Cleanup Action Taken.*

The affected area is a 390' X 45' X 1" area of pasture land with no livestock present at the time of the release. Vacuum trucks were called to pick up standing fluids and a temporary fence was put in place to prevent livestock from entering the spill sitese

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 ENV ENGINEER:  District Supervisor	
Title: HSER Lead	Approval Date: 05/13/10	Expiration Date: 07/13/10
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval: SUBMIT FINAL C-141 BY 07/13/10	Attached ☐
Date:	Phone: 505.391.3158	IRP-10-5-2527

- Attach Additional Sheets If Necessary

116 RELEASE NOTIFICATION AND CORRECTIVE ACTION [1-1-50...2-1-96; A, 3-15-97]

116.A. NOTIFICATION

(1) The Division shall be notified of any unauthorized release occurring during the drilling, producing, storing, disposing, injecting, transporting, servicing or processing of crude oil, natural gases, produced water, condensate or oil field waste including Regulated NORM, or other oil field related chemicals, contaminants or mixture thereof, in the State of New Mexico in accordance with the requirements of this Rule. [1-1-50...2-1-96; A, 3-15-97]

(2) The Division shall be notified in accordance with this Rule with respect to any release from any facility of oil or other water contaminant, in such quantity as may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3-15-97]

116.B. REPORTING REQUIREMENTS: Notification of the above releases shall be made by the person operating or controlling either the release or the location of the release in accordance with the following requirements: [5-22-73...2-1-96; A, 3-15-97]

(1) A **Major Release** shall be reported by giving **both** immediate verbal notice and timely written notice pursuant to Paragraphs C(1) and C(2) of this Rule. A Major Release is:

- (a) an unauthorized release of a volume, excluding natural gases, in excess of 25 barrels;
- (b) an unauthorized release of any volume which:
 - (i) results in a fire;
 - (ii) will reach a water course;
 - (iii) may with reasonable probability endanger public health; or
 - (iv) results in substantial damage to property or the environment;
- (c) an unauthorized release of natural gases in excess of 500 mcf; or
- (d) a release of any volume which may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3/15/97]

(2) A **Minor Release** shall be reported by giving timely written notice pursuant to Paragraph C(2) of this Rule. A Minor Release is an unauthorized release of a volume, greater than 5 barrels but not more than 25 barrels; or greater than 50 mcf but less than 500 mcf of natural gases. [3-15-97]

116.C. CONTENTS OF NOTIFICATION

(1) **Immediate verbal notification** required pursuant to Paragraph B shall be reported within twenty-four (24) hours of discovery to the Division District Office for the area within which the release takes place. In addition, immediate verbal notification pursuant to Subparagraph B.(1).(d). shall be reported to the Division's Environmental Bureau Chief. This notification shall provide the information required on Division Form C-141. [5-22-73 . 2-1-96; A, 3-15-97]

(2) **Timely written notification** is required to be reported pursuant to Paragraph B within fifteen (15) days to the Division District Office for the area within which the release takes place by completing and filing Division Form C-141. In addition, timely written notification required pursuant to Subparagraph B.(1).(d). shall also be reported to the Division's Environmental Bureau Chief within fifteen (15) days after the release is discovered. The written notification shall verify the prior verbal notification and provide any appropriate additions or corrections to the information contained in the prior verbal notification. [5-22-73...2-1-96; A, 3-15-97]

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 489493

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 489493
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL1013351539
Incident Name	NGRL1013351539 EAST VACUUM (GSA) UNIT #001 @ 30-025-26577
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-26577] EAST VACUUM (GSA) UNIT #001

Location of Release Source	
Site Name	EAST VACUUM (GSA) UNIT #001
Date Release Discovered	04/16/2010
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	17,600
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	08/04/2025
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	32.809589, -103.475763

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 489493

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 489493
	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.	7/29/2025
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.	7/29/2025

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 505596

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 505596
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL1013351539
Incident Name	NGRL1013351539 EAST VACUUM (GSA) UNIT #001 @ 30-025-26577
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-26577] EAST VACUUM (GSA) UNIT #001

Location of Release Source	
Site Name	EAST VACUUM (GSA) UNIT #001
Date Release Discovered	04/16/2010
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Terrell (361) 219-2353
Please provide any information necessary for navigation to sampling site	32.808946, -103.475927

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 505596

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 505596
	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.	9/12/2025
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.	9/12/2025

Appendix B

Water Surveys

Water-Related Maps



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
L 01919 POD2		L	LE	NW	NW	NE	29	17S	35E	642410.0	3631507.0 *		402	209	55	154
L 04829 S3		L	LE	NW	SW	NW	28	17S	35E	643222.0	3631111.0 *		545	215	70	145
L 04829 S4		L	LE		NE	SW	29	17S	35E	642121.0	3630598.0 *		837	200	90	110
L 06940		L	LE	NW	SE	SW	20	17S	35E	642001.0	3631907.0 *		974	135	85	50
L 04829		L	LE		NW	SE	20	17S	35E	642499.0	3632215.0 *		1017	192	60	132
L 04066		L	LE		SE	NE	30	17S	35E	641309.0	3630994.0 *		1395	116	70	46
L 04490		L	LE		SE	NE	30	17S	35E	641309.0	3630994.0 *		1395	110	70	40

Average Depth to Water: 71 feet

Minimum Depth: 55 feet

Maximum Depth: 90 feet

Record Count: 7

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 642686.53

Northing: 3631215.05

Radius: 01500

* 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.

OSE POD Location Map



4/23/2025, 2:30:27 PM

GIS WATERS PODs

Active

Pending

OSE District Boundary

Water Right Regulations

Artesian Plan Area

New Mexico State Trust Lands

Both Estates

1:9,028

00.050.10.2 mi

00.10.20.4 km

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

Released to Imaging: 10/14/2025 1:36:30 PM

Online web user
This is an unofficial map from the OSE's online application.



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324813103275901

Minimum number of levels = 1

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

USGS 324813103275901 17S.35E.28.131443

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°48'28", Longitude 103°28'09" NAD27

Land-surface elevation 3,961.00 feet above NGVD29

The depth of the well is 215 feet below land surface.

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

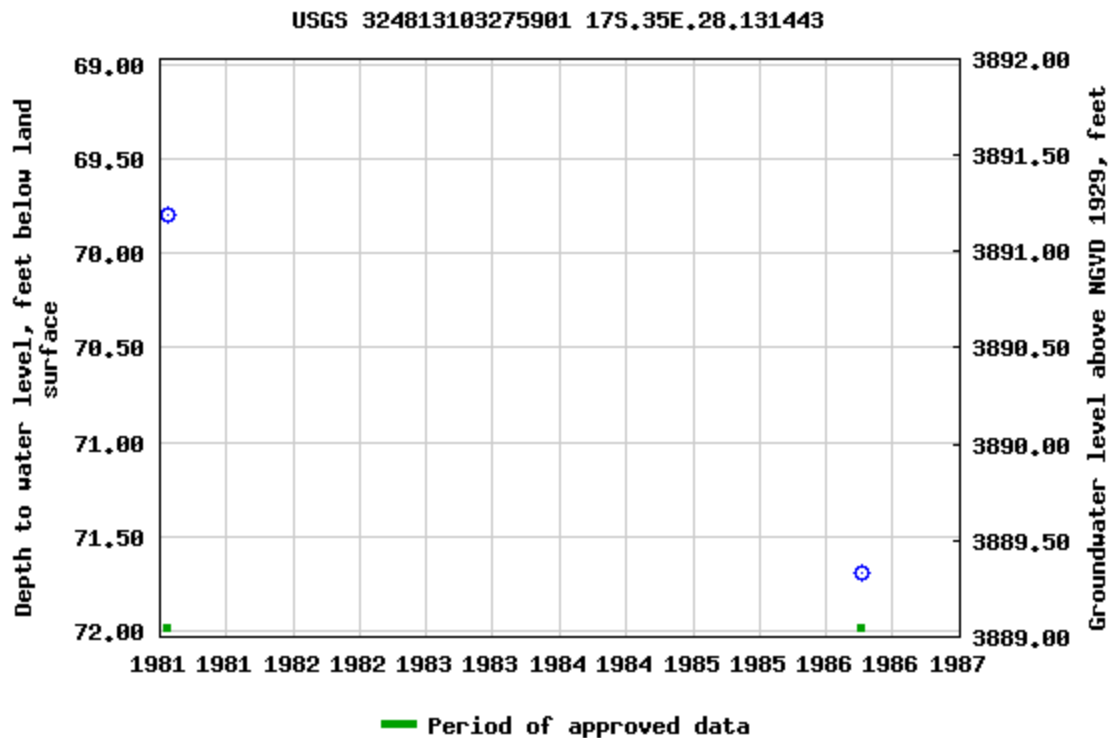
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

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[Privacy](#)

[Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



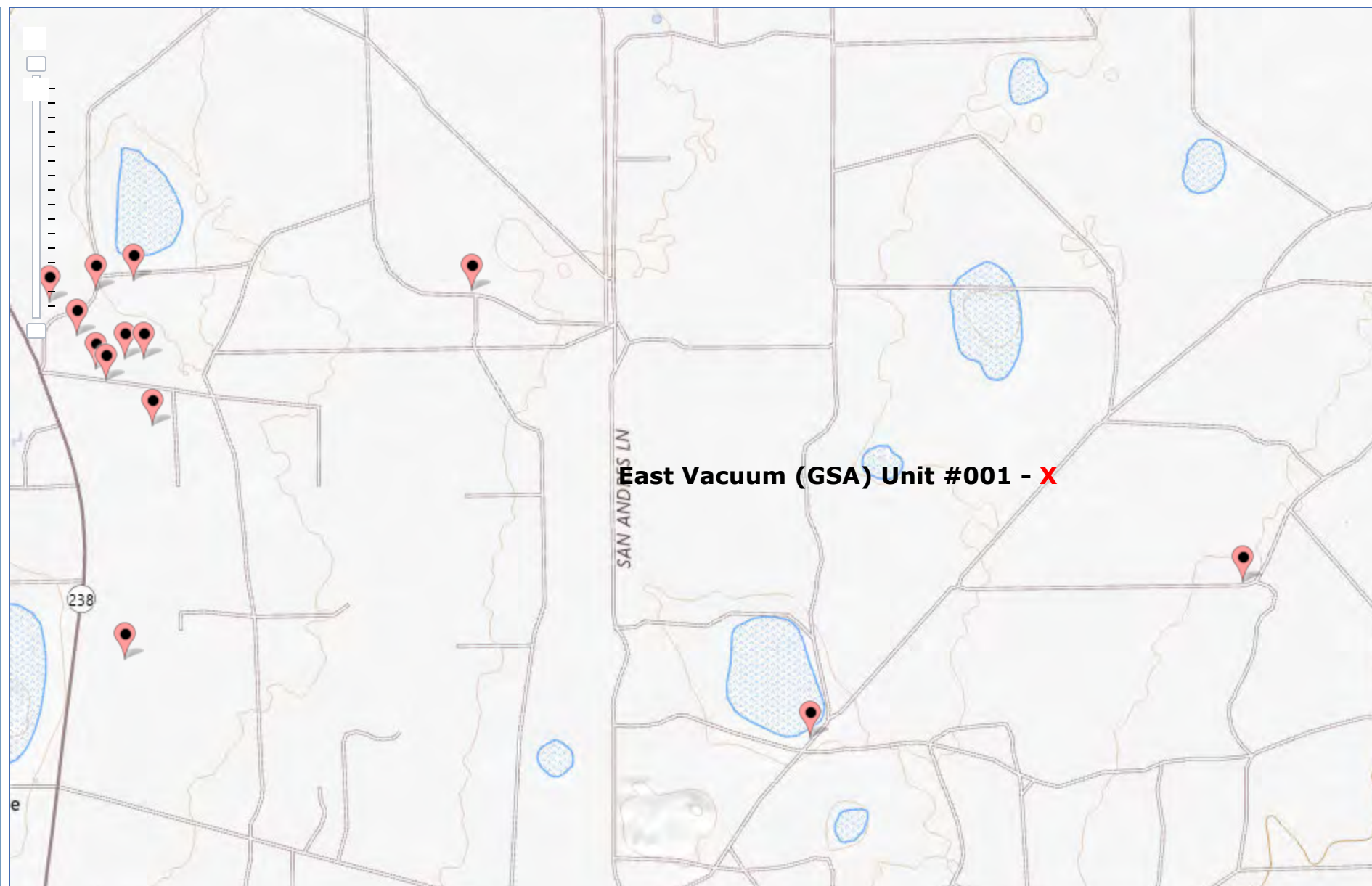
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-04-23 15:32:49 EDT

0.62 0.46 nadww02



National Water Information System: Mapper

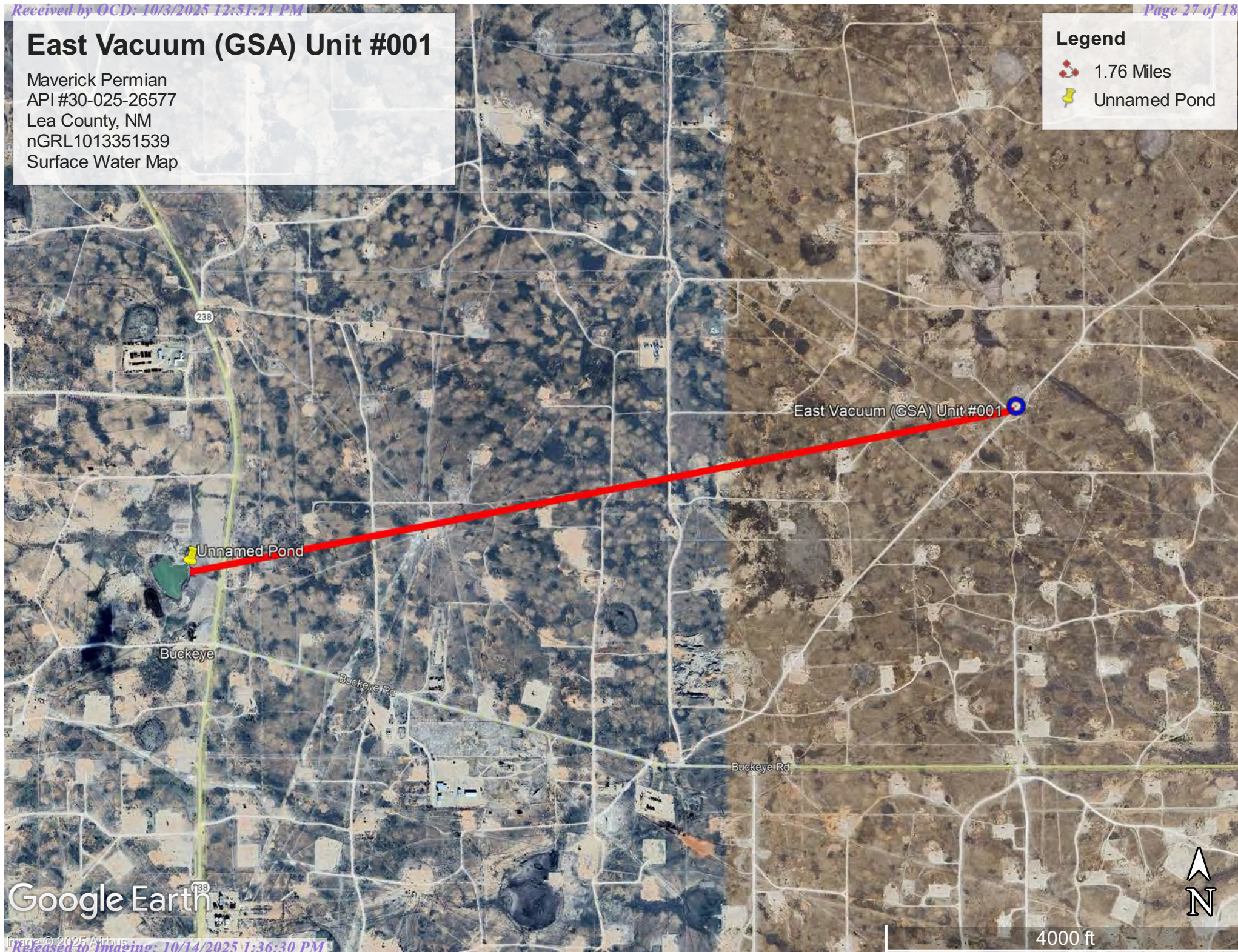


East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
nGRL1013351539
Surface Water Map

Legend

- 1.76 Miles
- Unnamed Pond



Google Earth



Wetlands Map



April 23, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°28'52"W 32°48'49"N



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

1:6,000

103°28'15"W 32°48'19"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 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 4/23/2025 at 7:34 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.

Appendix C

Soil Surveys

Soil Map

Geologic Unit Map

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
Bkkkm - 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)

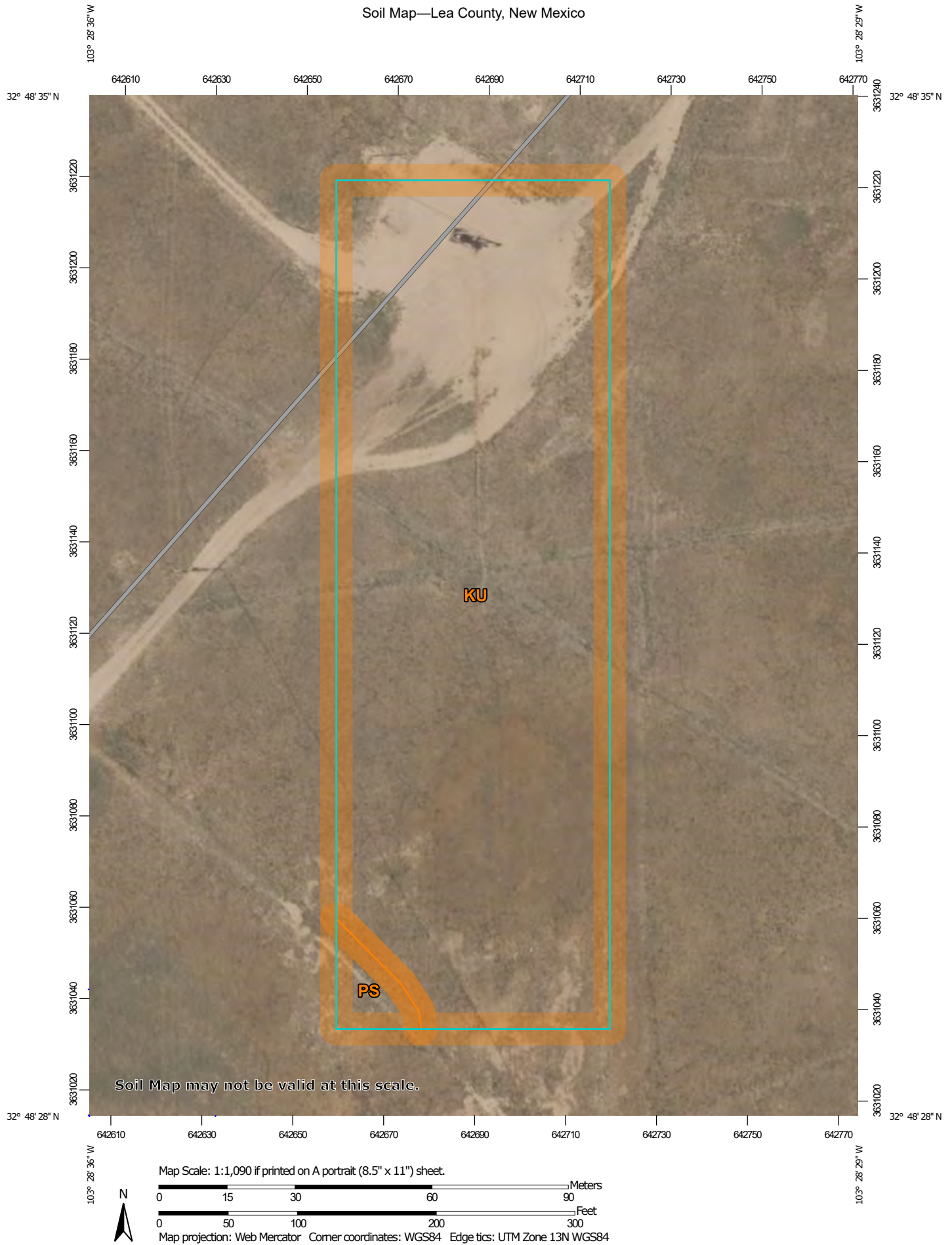
Hydric soil rating: No

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

4/23/2025
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	2.7	97.6%
PS	Portales-Stegall loams	0.1	2.4%
Totals for Area of Interest		2.8	100.0%

East Vacuum (GSA) Unit #001

Maverick Permian
API #30-025-26577
Lea County, NM
nGRL1013351539
Geologic Unit Map

Legend

-  Ogallala Formation
-  Piedmont alluvial deposits

East Vacuum (GSA) Unit #001

Buckeye

Google Earth

5 mi



Appendix D

Photographic Documentation









Appendix E

Laboratory Reports



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

August 11, 2025

TOM BYNUM

SAPEC-ECO,LLC

5846 E 21ST PLACE

TULSA, OK 74114

RE: EAST VACUUM (GSA) UNIT #001 -- NGRL1013351539

Enclosed are the results of analyses for samples received by the laboratory on 08/05/25 15:47.

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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - SURFACE (H254787-01)

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	08/07/2025	ND	1.80	90.0	2.00	4.09		
Toluene*	<0.050	0.050	08/07/2025	ND	1.88	94.1	2.00	2.44		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	0.646		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.90	98.4	6.00	0.457		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	193	96.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	215	108	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 1' (H254787-02)

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	08/07/2025	ND	1.80	90.0	2.00	4.09	
Toluene*	<0.050	0.050	08/07/2025	ND	1.88	94.1	2.00	2.44	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	0.646	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.90	98.4	6.00	0.457	
Total BTEX	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	160	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 2' (H254787-03)

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	08/07/2025	ND	1.80	90.0	2.00	4.09	
Toluene*	<0.050	0.050	08/07/2025	ND	1.88	94.1	2.00	2.44	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	0.646	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.90	98.4	6.00	0.457	
Total BTEX	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	224	16.0	08/07/2025	ND	400	100	400	3.92	

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 3' (H254787-04)

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	08/07/2025	ND	1.80	90.0	2.00	4.09		
Toluene*	<0.050	0.050	08/07/2025	ND	1.88	94.1	2.00	2.44		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	0.646		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.90	98.4	6.00	0.457		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	208	16.0	08/07/2025	ND	400	100	400	3.92	

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 4' (H254787-05)

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	08/07/2025	ND	1.80	90.0	2.00	4.09	
Toluene*	<0.050	0.050	08/07/2025	ND	1.88	94.1	2.00	2.44	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	0.646	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.90	98.4	6.00	0.457	
Total BTEX	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	224	16.0	08/07/2025	ND	400	100	400	3.92	

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.5 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - SURFACE (H254787-06)

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	08/06/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/06/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	6.66	111	6.00	3.26		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	224	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 1' (H254787-07)

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	08/06/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/06/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/06/2025	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	176	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 2' (H254787-08)

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	08/06/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/06/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/06/2025	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	192	16.0	08/07/2025	ND	400	100	400	3.92	

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 3' (H254787-09)

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	08/06/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/06/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	<16.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 4' (H254787-10)

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	08/06/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/06/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	6.66	111	6.00	3.26		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - SURFACE (H254787-11)

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	08/06/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/06/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	6.66	111	6.00	3.26		
Total BTX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 1' (H254787-12)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	16.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.5 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 2' (H254787-13)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	32.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 3' (H254787-14)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	16.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 4' (H254787-15)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78		
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND						

Surrogate: 1-Chlorooctane 74.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - SURFACE (H254787-16)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 1' (H254787-17)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 2' (H254787-18)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	211	105	200	2.78		
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND						

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 3' (H254787-19)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 4' (H254787-20)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - SURFACE (H254787-21)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/07/2025	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	08/06/2025	ND	211	105	200	2.78	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	193	96.3	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - 1' (H254787-22)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - 2' (H254787-23)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - 3' (H254787-24)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - 4' (H254787-25)

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	08/07/2025	ND	1.88	94.1	2.00	5.10		
Toluene*	<0.050	0.050	08/07/2025	ND	2.03	102	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	2.10	105	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	6.66	111	6.00	3.26		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	224	112	200	1.43		
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678		
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND						

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - SURFACE (H254787-26)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - 1' (H254787-27)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 72.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - 2' (H254787-28)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - 3' (H254787-29)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - 4' (H254787-30)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - SURFACE (H254787-31)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 72.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - 1' (H254787-32)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 51.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 49.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - 2' (H254787-33)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - 3' (H254787-34)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	<16.0	16.0	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - 4' (H254787-35)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - SURFACE (H254787-36)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 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	08/07/2025	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - 1' (H254787-37)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - 2' (H254787-38)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - 3' (H254787-39)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	416	104	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - 4' (H254787-40)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - SURFACE (H254787-41)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	224	112	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	225	112	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 1' (H254787-42)

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	08/07/2025	ND	1.74	87.2	2.00	1.25	
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 2' (H254787-43)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	110	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	96.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 3' (H254787-44)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57		
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363		
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND						

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 4' (H254787-45)

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	08/07/2025	ND	1.74	87.2	2.00	1.25		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.7	2.00	0.735		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.85	92.4	2.00	0.0879		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.50	91.6	6.00	0.105		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - SURFACE (H254787-46)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 1' (H254787-47)

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	08/07/2025	ND	1.83	91.7	2.00	4.57	
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13	
Total BTEx	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 2' (H254787-48)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 3' (H254787-49)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 4' (H254787-50)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 11 - SURFACE (H254787-51)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 11 - 1' (H254787-52)

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	08/07/2025	ND	1.83	91.7	2.00	4.57	
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13	
Total BTEx	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 11 - 2' (H254787-53)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 11 - 3' (H254787-54)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 11 - 4' (H254787-55)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 12 - SURFACE (H254787-56)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	08/07/2025	ND	416	104	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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 12 - 1' (H254787-57)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/06/2025	ND	203	102	200	2.57		
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363		
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND						

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 12 - 2' (H254787-58)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/06/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 12 - 3' (H254787-59)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 12 - 4' (H254787-60)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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										BILL TO			Analysis Request											
Project Manager: Tom Bynum -- tobynum@sapec-eco.com										P.O. #: NM02526577.00			BTEX (8021B) TPH (8015M) Chlorides (SM4500Cl-B)											
Address: 311 N Elm St										Company: Tetra Tech, Inc.														
City: Temple			State: OK			Zip: 73568			Attn: Chuck Terhune															
Phone #: (580) 748-1613 Fax #:										Address:														
Project #: Sapec Project 4-48 Project Owner: Diversified Energy										City:														
Project Name: East Vacuum (GSA) Unit #001 -- NGRL1013351539										State: Zip:														
Project Location: Lea County, NM										Phone #: Fax #:														
Sampler Name: Marisa Loya										Fax #:														
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										
11	3-Surface	G	1			X					X		8/4/2025	7:50	X	X	X							
12	3-1'	G	1			X					X		8/4/2025	7:55	X	X	X							
13	3-2'	G	1			X					X		8/4/2025	8:00	X	X	X							
14	3-3'	G	1			X					X		8/4/2025	8:05	X	X	X							
15	3-4'	G	1			X					X		8/4/2025	8:10	X	X	X							
16	4-Surface	G	1			X					X		8/4/2025	8:15	X	X	X							
17	4-1'	G	1			X					X		8/4/2025	8:20	X	X	X							
18	4-2'	G	1			X					X		8/4/2025	8:25	X	X	X							
19	4-3'	G	1			X					X		8/4/2025	8:30	X	X	X							
20	4-4'	G	1			X					X		8/4/2025	8:35	X	X	X							
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Relinquished By:		Date:		Received By:		Phone Result:		Yes ☐ No ☐		Add'l Phone #:														
Relinquished By:		Time:		Received By:		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 4-48

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #001 -- NGRL1013351539

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526577.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune

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)

11254187
01
02
03
04
05
06
07
08
09
30

5-Surface

5-1'

5-2'

5-3'

5-4'

6-Surface

6-1'

6-2'

6-3'

6-4'

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Relinquished By: *[Signature]*

Date:

8-5-25

Received By:

[Signature]

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

Relinquished By: *[Signature]*

Time:

12:17

Received By:

REMARKS:

Bill to Tetra Tech, Inc. for Diversified Energy (Maverick)

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

512 / 100-31
541 / 140

Sample Condition

Cool ☒ Intact ☒

Yes Yes

No No

CHECKED BY:
(Initials)

[Signature]

TAT -- Standard

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

August 11, 2025

TOM BYNUM

SAPEC-ECO,LLC

5846 E 21ST PLACE

TULSA, OK 74114

RE: EAST VACUUM (GSA) UNIT #001 -- NGRL1013351539

Enclosed are the results of analyses for samples received by the laboratory on 08/05/25 15:47.

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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 13 - SURFACE (H254788-01)

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	08/08/2025	ND	1.83	91.7	2.00	4.57	
Toluene*	<0.050	0.050	08/08/2025	ND	1.90	95.0	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/08/2025	ND	1.92	96.1	2.00	2.38	
Total Xylenes*	<0.150	0.150	08/08/2025	ND	5.79	96.5	6.00	2.13	
Total BTX	<0.300	0.300	08/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	197	98.3	200	0.363	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 13 - 1' (H254788-02)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 40.6-153

Cardinal Laboratories

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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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 13 - 2' (H254788-03)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	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	<16.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 13 - 3' (H254788-04)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 13 - 4' (H254788-05)

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	08/07/2025	ND	1.83	91.7	2.00	4.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.90	95.0	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.92	96.1	2.00	2.38		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.79	96.5	6.00	2.13		
Total BTX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W1 - SURFACE (H254788-06)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	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	96.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W1 - 1' (H254788-07)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	96.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W1 - 2' (H254788-08)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W1 - 3' (H254788-09)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTX	<0.300	0.300	08/07/2025	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	96.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W1 - 4' (H254788-10)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W2 - SURFACE (H254788-11)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	96.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W2 - 1' (H254788-12)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W2 - 2' (H254788-13)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W2 - 3' (H254788-14)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W2 - 4' (H254788-15)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W3 - SURFACE (H254788-16)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	08/07/2025	ND	464	116	400	7.14		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W3 - 1' (H254788-17)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W3 - 2' (H254788-18)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W3 - 3' (H254788-19)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W3 - 4' (H254788-20)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W4 - SURFACE (H254788-21)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	191	95.7	200	9.66	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	196	97.8	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W4 - 1' (H254788-22)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	80.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W4 - 2' (H254788-23)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W4 - 3' (H254788-24)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W4 - 4' (H254788-25)

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	08/07/2025	ND	1.81	90.7	2.00	1.16		
Toluene*	<0.050	0.050	08/07/2025	ND	1.83	91.6	2.00	0.839		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.88	93.9	2.00	0.411		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	0.0678		
Total BTEX	<0.300	0.300	08/07/2025	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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W5 - SURFACE (H254788-26)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W5 - 1' (H254788-27)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W5 - 2' (H254788-28)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W5 - 3' (H254788-29)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W5 - 4' (H254788-30)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W6 - SURFACE (H254788-31)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W6 - 1' (H254788-32)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W6 - 2' (H254788-33)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEx	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W6 - 3' (H254788-34)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W6 - 4' (H254788-35)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEx	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W7 - SURFACE (H254788-36)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/07/2025	ND	400	100	400	3.92		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W7 - 1' (H254788-37)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W7 - 2' (H254788-38)

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	08/07/2025	ND	1.59	79.5	2.00	15.1	
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3	
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0	
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1	
Total BTEx	<0.300	0.300	08/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	96.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W7 - 3' (H254788-39)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 69.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W7 - 4' (H254788-40)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W8 - SURFACE (H254788-41)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	193	96.3	200	3.75	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	222	111	200	0.692	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W8 - 1' (H254788-42)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	96.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W8 - 2' (H254788-43)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEX	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.7 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W8 - 3' (H254788-44)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	96.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W8 - 4' (H254788-45)

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	08/07/2025	ND	1.59	79.5	2.00	15.1		
Toluene*	<0.050	0.050	08/07/2025	ND	1.67	83.6	2.00	13.3		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.71	85.6	2.00	12.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.32	88.7	6.00	11.1		
Total BTEx	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W9 - SURFACE (H254788-46)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W9 - 1' (H254788-47)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEX	<0.300	0.300	08/07/2025	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	96.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W9 - 2' (H254788-48)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEx	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W9 - 3' (H254788-49)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEx	<0.300	0.300	08/07/2025	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	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.9 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W9 - 4' (H254788-50)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEx	<0.300	0.300	08/07/2025	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	96.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.1 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W10 - SURFACE (H254788-51)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEx	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W10 - 1' (H254788-52)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEX	<0.300	0.300	08/07/2025	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	80.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W10 - 2' (H254788-53)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEX	<0.300	0.300	08/07/2025	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	96.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.3 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W10 - 3' (H254788-54)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEX	<0.300	0.300	08/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 83.0 % 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	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 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:	08/05/2025	Sampling Date:	08/04/2025
Reported:	08/11/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: W10 - 4' (H254788-55)

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	08/07/2025	ND	1.61	80.7	2.00	16.6		
Toluene*	<0.050	0.050	08/07/2025	ND	1.73	86.5	2.00	15.2		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.80	89.8	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.75	95.8	6.00	11.7		
Total BTEX	<0.300	0.300	08/07/2025	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	48.0	16.0	08/07/2025	ND	464	116	400	10.9		

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	08/07/2025	ND	213	106	200	0.721	
DRO >C10-C28*	<10.0	10.0	08/07/2025	ND	220	110	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	08/07/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.5 % 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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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 cursive script, appearing to read "Celey D. Keene", written in black ink.

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 4-48

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #001 -- NGRL1013351539

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526577.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

(G)RABOR (C)OMP.
CONTAINERS

GROUNDWATER
WASTEWATER

MATRIX
SOIL
OIL
SLUDGE
OTHER :

PRESERV.
ACID/BASE:
ICE / COOL
OTHER :

SAMPLING
DATE
TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

12345678910
11121314151617181920

W2-Surface
W2-1'
W2-2'
W2-3'
W2-4'
W3-Surface
W3-1'
W3-2'
W3-3'
W3-4'

G G G G G G G G G G

1 1 1 1 1 1 1 1 1 1

X X X X X X X X X X

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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

† 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 4-48

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #001 -- NGRL1013351539

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526577.00

Company: Tetra Tech, Inc.

Attn: Chuck Terhune

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 :

MATRIX

PRESERV.

ACID/BASE:

ICE / COOL

OTHER :

SAMPLING

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500CL-B)

11254788

21

22

23

24

25

26

27

28

29

30

W4-Surface

W4-1'

W4-2'

W4-3'

W4-4'

W5-Surface

W5-1'

W5-2'

W5-3'

W5-4'

G

1

X

X

8/4/2025

2:00

X

X

X

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8/4/2025

2:05

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G

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X

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8/4/2025

2:10

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8/4/2025

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8/4/2025

2:20

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8/4/2025

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8/4/2025

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X

X

8/4/2025

2:40

X

X

X

G

1

X

X

8/4/2025

2:45

X

X

X

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Relinquished By:

Date:

8-5-25

Received By:

Cardinal

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

Relinquished By:

Time:

1:54

Received By:

Cardinal

REMARKS:

Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

SIC / 6403

SU / #140

Sample Condition

Cool ☐ Intact ☒

Yes Yes

No No

CHECKED BY:

(Initials)

PT

TAT -- Standard

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

September 22, 2025

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

RE: EAST VACUUM (GSA) UNIT #001 -- NGRL1013351539

Enclosed are the results of analyses for samples received by the laboratory on 09/16/25 12:15.

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:	09/16/2025	Sampling Date:	09/16/2025
Reported:	09/22/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: 1 - 2.5' (H255785-01)

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	09/16/2025	ND	1.68	83.8	2.00	2.87	
Toluene*	<0.050	0.050	09/16/2025	ND	1.75	87.7	2.00	1.75	
Ethylbenzene*	<0.050	0.050	09/16/2025	ND	1.80	90.1	2.00	0.305	
Total Xylenes*	<0.150	0.150	09/16/2025	ND	5.58	93.0	6.00	0.693	
Total BTX	<0.300	0.300	09/16/2025	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	80.0	16.0	09/16/2025	ND	416	104	400	3.77		

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	09/16/2025	ND	210	105	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/16/2025	ND	203	102	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	09/16/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

Cardinal Laboratories

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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:	09/16/2025	Sampling Date:	09/16/2025
Reported:	09/22/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: 2 - 2.5' (H255785-02)

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	09/16/2025	ND	1.68	83.8	2.00	2.87		
Toluene*	<0.050	0.050	09/16/2025	ND	1.75	87.7	2.00	1.75		
Ethylbenzene*	<0.050	0.050	09/16/2025	ND	1.80	90.1	2.00	0.305		
Total Xylenes*	<0.150	0.150	09/16/2025	ND	5.58	93.0	6.00	0.693		
Total BTEX	<0.300	0.300	09/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/16/2025	ND	416	104	400	3.77		

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	09/16/2025	ND	210	105	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/16/2025	ND	203	102	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	09/16/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 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:	09/16/2025	Sampling Date:	09/16/2025
Reported:	09/22/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: W 1 - 2.5' (H255785-03)

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	09/16/2025	ND	1.68	83.8	2.00	2.87		
Toluene*	<0.050	0.050	09/16/2025	ND	1.75	87.7	2.00	1.75		
Ethylbenzene*	<0.050	0.050	09/16/2025	ND	1.80	90.1	2.00	0.305		
Total Xylenes*	<0.150	0.150	09/16/2025	ND	5.58	93.0	6.00	0.693		
Total BTX	<0.300	0.300	09/16/2025	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	16.0	16.0	09/16/2025	ND	416	104	400	3.77		

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	09/16/2025	ND	210	105	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/16/2025	ND	203	102	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	09/16/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

Cardinal Laboratories

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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:	09/16/2025	Sampling Date:	09/16/2025
Reported:	09/22/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #001 -- NG	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-48	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: W 2 - 2.5' (H255785-04)

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	09/16/2025	ND	1.68	83.8	2.00	2.87		
Toluene*	<0.050	0.050	09/16/2025	ND	1.75	87.7	2.00	1.75		
Ethylbenzene*	<0.050	0.050	09/16/2025	ND	1.80	90.1	2.00	0.305		
Total Xylenes*	<0.150	0.150	09/16/2025	ND	5.58	93.0	6.00	0.693		
Total BTX	<0.300	0.300	09/16/2025	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	<16.0	16.0	09/16/2025	ND	416	104	400	3.77		

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	09/16/2025	ND	210	105	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/16/2025	ND	203	102	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	09/16/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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



† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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

QUESTIONS

Action 512115

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 512115
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL1013351539
Incident Name	NGRL1013351539 EAST VACUUM (GSA) UNIT #001 @ 30-025-26577
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-26577] EAST VACUUM (GSA) UNIT #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	EAST VACUUM (GSA) UNIT #001
Date Release Discovered	04/16/2010
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 40 BBL Recovered: 28 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 6 BBL Recovered: 2 BBL Lost: 4 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.

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QUESTIONS, Page 2

Action 512115

QUESTIONS (continued)

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	Action Number: 512115
	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: 10/03/2025
--	--

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QUESTIONS, Page 3

Action 512115

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID:
	331199
	Action Number:
	512115
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 1000 (ft.) and ½ (mi.)
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 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	08/01/2025
On what date will (or did) the final sampling or liner inspection occur	08/15/2025
On what date will (or was) the remediation complete(d)	08/30/2025
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	17600
What is the estimated volume (in cubic yards) that will be remediated	2607
<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 512115

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 512115
	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: 10/03/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 512115

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 512115
	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 512115

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	505596
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/16/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	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	400
What was the total volume (cubic yards) remediated	37
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

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 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: 10/03/2025
--	--

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Action 512115

QUESTIONS (continued)

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	Action Number: 512115
	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 512115

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/14/2025