

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

Re: **REMEDIATION CLOSURE REPORT**

NMOCD Incident Number: **nGRL1013255165**

East Vacuum (GSA) Unit #006

API No. 30-025-26385

Unit P, Section 29, Township 17S, Range 35E

1145 FSL 1180 FEL

Lea County, NM

GPS Coordinates: Latitude 32.8018875 Longitude -103.4751434 NAD83

Sapco-Eco (Sapco) 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 #006 (Site). This incident was assigned Incident ID nGRL1013255165 by the New Mexico Oil Conservation Division (NMOCD).

Release Information - nGRL1013255165

The initial Form C-141 was submitted on March 16, 2010 (Appendix A) and stated that "Release originated from a hole in a 2 7/8" Steele surface flow line due to suspected internal/external corrosion. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water. The spill site will be remediated in accordance with an agreement with NMOCD. Affected area is a 35' X 20' X .5" area of dry, hard, caliche road and pad. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water." This initial Form C-141 was approved by the NMOCD on March 25, 2010.

Site Characterization

This Site is in Lea County, NM, approximately twelve (12) miles southwest of Lovington, NM. The wellhead and release area area in Unit P, Section 29, Township 17S, Range 35E, at 32.8018875 degrees latitude and -103.4751434 degrees longitude. A Location Map is included for reference in Figure 5.

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 4 for a Topographic Map.

The Site resides in a low karst zone and is approximately 25.78 miles away from the nearest medium karst zone. Figure 3 refers to the Karst Map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 90 feet below grade surface (bgs). This information is recorded by L-04829-S4 which is situated approximately 0.43 miles away from the Site. This information is from 1979. The United States Geological Survey (USGS) offers the site USGS 324759103284501 17S.35E.29.32322 which shows depth to the nearest groundwater is 73 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 1.78 miles to the west. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Pond approximately 0.59 miles southeast. 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 2.

Assessment and Delineation Activities

"On April 22, 2010, EPI and Straub Corporation (Stanton, Texas) mobilized at the Site to direct the locale and depth of four (4) soil borings. Three (3) soil borings were advanced within confines of the release area while the fourth (4th) was used as background reference (Ref. Figure 4). Prior to advancement of soil borings, soil samples were to be collected at two (2) foot intervals initially and then a five (5) foot increments thereafter to total depth (TD) of each soil boring. However, this format was followed on the background reference soil boring (BG-1) which was advanced to a TD of 20-feet below ground surface (bgs). SB-1, SB-2 and SB-3 were advanced to depths of 5-feet bgs where TPH and chloride concentrations were below NMOCD Remedial Threshold goals (Goals). Information regarding lithology of soil borings is provided in Attachment III, Soil Boring Logs.

A portion of each soil sample was field analyzed for organic vapor and chloride concentrations. Soil samples collected for field testing of organic vapors were placed in a self-sealing polyethylene bag and allowed to equilibrate to ~702 F. The samples were then tested for organic vapor concentrations utilizing an MiniRae™ photoionization detector (PID) equipped with a 10.6 electron-volt (eV) lamp. Chloride concentrations were analyzed in the field with use of a LaMotte Chloride Kit (titration method).

Soil samples designated for laboratory analyses were immediately inserted into laboratory provided containers, placed into coolers, iced down and transported to Cardinal Laboratory, Hobbs, New Mexico, for quantification of BTEX (benzene, toluene, ethylbenzene and total xylenes); TPH [Gasoline Range Organics (GRO) and Diesel Range Organics (GRO)] and chloride concentrations."

On May 17, 2010, ConocoPhillips submitted a Remediation Proposal for approval. The NMOCD approved this proposal on November 5, 2010.

On October 15, 2020, ConocoPhillips submitted a Closure Letter Report for approval. The NMOCD denied this report on April 14, 2023. These documents are included for reference in Appendix E.

On July 30, 2025, field personnel mobilized to the site to conduct assessment activities at the historic release area by collecting soil samples. The area of concern measures approximately 8,894 square feet and is on the pad surface, lease road, and in the pasture. Eighty discrete soil samples were collected from 16 different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Sixty discrete soil samples were collected from 12 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 8, 2025, the laboratory report was received and revealed contamination levels at sample points 1, 3, 5, and 9 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 3, 2025, field personnel mobilized equipment to the site to begin remediating the areas surrounding the sample points 1, 3, 5, and 9. A 160 square foot area was marked off around sample point 1 and excavated to a depth of 6" bgs. A 175 square foot area was marked off around sample point 3 and excavated to a depth of 3' bgs. A 157 square foot area was marked off around sample point 5 and excavated to a depth of 3.5' bgs. A 184 square foot area was marked off around sample point 9 and excavated to a depth of 3.5' bgs. The combined total of all contaminated soil that was removed equals approximately 66 cubic yards.

On September 8, 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 areas. 5-point composite samples were collected from the bases and walls of the excavations. Each excavation yielded one base composite sample and one wall composite sample except for the 3.5-foot excavations, which yielded two wall composite samples each. 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 12, 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 material, contoured, and packed for normal traffic. The confirmation sample points 2 and 3 were backfilled with topsoil and seeded with the approved NMSLO seed mixture for Loamy (L) soil sites.

Countermeasures to denied Closure Report

On October 14, 2025, the NMOCD responded to the submitted closure citing: Remediation closure denied for the following reasons: 1) Remediation summary and Confirmation Sample Map lists 2 and W2 as being excavated to 2.5' however Confirmation Sample Table lists these as being collected at 3'. Update to reflect correct depth. **See corrected summary above and corrected map in Figure 3.** 2) Remediation summary and Confirmation Sample Map lists 3 and W3 as being excavated to 1.5' however Confirmation Sample Table and Chain of Custody for lab list these as being collected at 3.5'. Update to reflect the correct depth. **See corrected summary above and corrected map in Figure 3.** 3) An extra wall sample, W6 was collected and submitted to the laboratory and is included in the Confirmation Sample Table. Explain. **Because the excavated area had to be deeper than originally estimated, the extra sample was collected for additional verification. This was inadvertently left off the previous confirmation sample map.** 4) Referring to excavation photos on pg. 41, one of the excavations in L shaped. The excavations drawn on the Confirmation Sample Map should be drawn in a way that represent the true shape of the excavation. Update to reflect the true shape/size 1)of the excavations. **Corrected reflections can be seen on the map in Figure 3.** Submit updated remediation closure report to the OCD by 11/13/25. **All area calculations have been corrected to reflect the measurements from field personnel.**

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 nGRL1013255165 be approved. All rules and regulations set forth by 19.15.29.12 NMAC have been complied with. Maverick understands that once this area is no longer needed for production and/or subsequent drilling operations, it will require reclamation activities that comply with 19.15.29.13 NMAC.

For questions or additional information, please reach out to:
Maverick Permian, LLC – bwagoner@dgc.com – (928) 241-1862
Sapec-Eco, LLC – 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 – Remediation Proposal & Closure Letter Report
- Appendix F – 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 #006

Maverick Permian
API #30-025-26385
Lea County, NM
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Sample Map

Legend

- Proposed horizontal samples
- Proposed vertical samples
- Release area - 8,894 sqft



Google Earth

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Maverick Permian - East Vacuum (GSA) Unit #006 - NGRL1013255165								
NM Approved Sample Results - Samples Collected 7/30/2025								
Sample ID	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	TPH mg/kg	Chlorides mg/kg
1-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	5120
1-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
1-2'	2'	<0.05	<0.30	<10	<10	<10	ND	112
1-3'	3'	<0.05	<0.30	<10	<10	<10	ND	64
1-4'	4'	<0.05	<0.30	<10	<10	<10	ND	32
2-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	16
2-1'	1'	<0.05	<0.30	<10	<10	<10	ND	16
2-2'	2'	<0.05	<0.30	<10	<10	<10	ND	16
2-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
2-4'	4'	<0.05	<0.30	<10	<10	<10	ND	128
3-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	16
3-1'	1'	<0.05	<0.30	<10	<10	<10	ND	672
3-2'	2'	<0.05	<0.30	<10	<10	<10	ND	704
3-3'	3'	<0.05	<0.30	<10	<10	<10	ND	16
3-4'	4'	<0.05	<0.30	<10	<10	<10	ND	32
4-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
4-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
4-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
4-3'	3'	<0.05	<0.30	<10	<10	<10	ND	48
4-4'	4'	<0.05	<0.30	<10	<10	<10	ND	48
5-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	16
5-1'	1'	<0.05	<0.30	<10	<10	<10	ND	672
5-2'	2'	<0.05	<0.30	<10	<10	<10	ND	240
5-3'	3'	<0.05	<0.30	<10	<10	<10	ND	528
5-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
6-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	32
6-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
6-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
6-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
6-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
7-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	16
7-1'	1'	<0.05	<0.30	<10	<10	<10	ND	16
7-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
7-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
7-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
8-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	64
8-1'	1'	<0.05	<0.30	<10	<10	<10	ND	64
8-2'	2'	<0.05	<0.30	<10	<10	<10	ND	80
8-3'	3'	<0.05	<0.30	<10	<10	<10	ND	192
8-4'	4'	<0.05	<0.30	<10	<10	<10	ND	208
9-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
9-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
9-2'	2'	<0.05	<0.30	<10	<10	<10	ND	496
9-3'	3'	<0.05	<0.30	<10	<10	<10	ND	640
9-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
10-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
10-1'	1'	<0.05	<0.30	<10	<10	<10	ND	288
10-2'	2'	<0.05	<0.30	<10	<10	<10	ND	368
10-3'	3'	<0.05	<0.30	<10	<10	<10	ND	128
10-4'	4'	<0.05	<0.30	<10	<10	<10	ND	80

Sample ID	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	TPH mg/kg	Chlorides mg/kg
11-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
11-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
11-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
11-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
11-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
12-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
12-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
12-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
12-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
12-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
13-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
13-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
13-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
13-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
13-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
14-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
14-1'	1'	<0.05	<0.30	<10	<10	<10	ND	128
14-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
14-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
14-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
15-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
15-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
15-2'	2'	<0.05	<0.30	<10	<10	<10	ND	<16
15-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
15-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
16-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	<16
16-1'	1'	<0.05	<0.30	<10	<10	<10	ND	<16
16-2'	2'	<0.05	<0.30	<10	<10	<10	ND	16
16-3'	3'	<0.05	<0.30	<10	<10	<10	ND	<16
16-4'	4'	<0.05	<0.30	<10	<10	<10	ND	<16
H1-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	80
H1-1'	1'	<0.05	<0.30	<10	<10	<10	ND	80
H1-2'	2'	<0.05	<0.30	<10	<10	<10	ND	96
H1-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H1-4'	4'	<0.05	<0.30	<10	<10	<10	ND	96
H2-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	80
H2-1'	1'	<0.05	<0.30	<10	<10	<10	ND	80
H2-2'	2'	<0.05	<0.30	<10	<10	<10	ND	80
H2-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H2-4'	4'	<0.05	<0.30	<10	<10	<10	ND	112
H3-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	112
H3-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H3-2'	2'	<0.05	<0.30	<10	<10	<10	ND	112
H3-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H3-4'	4'	<0.05	<0.30	<10	<10	<10	ND	96
H4-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	80
H4-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H4-2'	2'	<0.05	<0.30	<10	<10	<10	ND	112
H4-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H4-4'	4'	<0.05	<0.30	<10	<10	<10	ND	96
H5-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	96

Sample ID	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	TPH mg/kg	Chlorides mg/kg
H5-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H5-2'	2'	<0.05	<0.30	<10	<10	<10	ND	80
H5-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H5-4'	4'	<0.05	<0.30	<10	<10	<10	ND	112
H6-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	96
H6-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H6-2'	2'	<0.05	<0.30	<10	<10	<10	ND	112
H6-3'	3'	<0.05	<0.30	<10	<10	<10	ND	112
H6-4'	4'	<0.05	<0.30	<10	<10	<10	ND	96
H7-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	80
H7-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H7-2'	2'	<0.05	<0.30	<10	<10	<10	ND	96
H7-3'	3'	<0.05	<0.30	<10	<10	<10	ND	80
H7-4'	4'	<0.05	<0.30	<10	<10	<10	ND	112
H8-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	96
H8-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H8-2'	2'	<0.05	<0.30	<10	<10	<10	ND	96
H8-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H8-4'	4'	<0.05	<0.30	<10	<10	<10	ND	96
H9-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	96
H9-1'	1'	<0.05	<0.30	<10	<10	<10	ND	96
H9-2'	2'	<0.05	<0.30	<10	<10	<10	ND	96
H9-3'	3'	<0.05	<0.30	<10	<10	<10	ND	96
H9-4'	4'	<0.05	<0.30	<10	<10	<10	ND	80
H10-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	96
H10-1'	1'	<0.05	<0.30	<10	<10	<10	ND	80
H10-2'	2'	<0.05	<0.30	<10	<10	<10	ND	80
H10-3'	3'	<0.05	<0.30	<10	<10	<10	ND	64
H10-4'	4'	<0.05	<0.30	<10	<10	<10	ND	96
H11-Surface	0'	<0.05	<0.30	<10	<10	<10	ND	80
H11-1'	1'	<0.05	<0.30	<10	<10	<10	ND	64
H11-2'	2'	<0.05	<0.30	<10	<10	<10	ND	96
H11-3'	3'	<0.05	<0.30	<10	<10	<10	ND	80
H11-4'	4'	<0.05	<0.30	<10	<10	<10	ND	80

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Maverick Permian - East Vacuum (GSA) Unit #006 - NGRL1013255165								
NM Approved Sample Results - Samples Collected 9/8/2025								
Sample ID	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	TPH mg/kg	Chlorides mg/kg
1-6"	6"	<0.05	<0.30	<10	<10	<10	ND	192
W1-6"	6"	<0.05	<0.30	<10	<10	<10	ND	352
2-3'	3'	<0.05	<0.30	<10	<10	<10	ND	272
W2-3'	3'	<0.05	<0.30	<10	<10	<10	ND	224
3-3.5'	3.5'	<0.05	<0.30	<10	<10	<10	ND	<16
W3-3.5'	3.5'	<0.05	<0.30	<10	<10	<10	ND	272
4-3.5'	3.5'	<0.05	<0.30	<10	<10	<10	ND	96
W4-3.5'	3.5'	<0.05	<0.30	<10	<10	<10	ND	128
W5-3.5'	3.5'	<0.05	<0.30	<10	<10	<10	ND	80
W6-3.5'	3.5'	<0.05	<0.30	<10	<10	<10	ND	80

East Vacuum (GSA) Unit #006

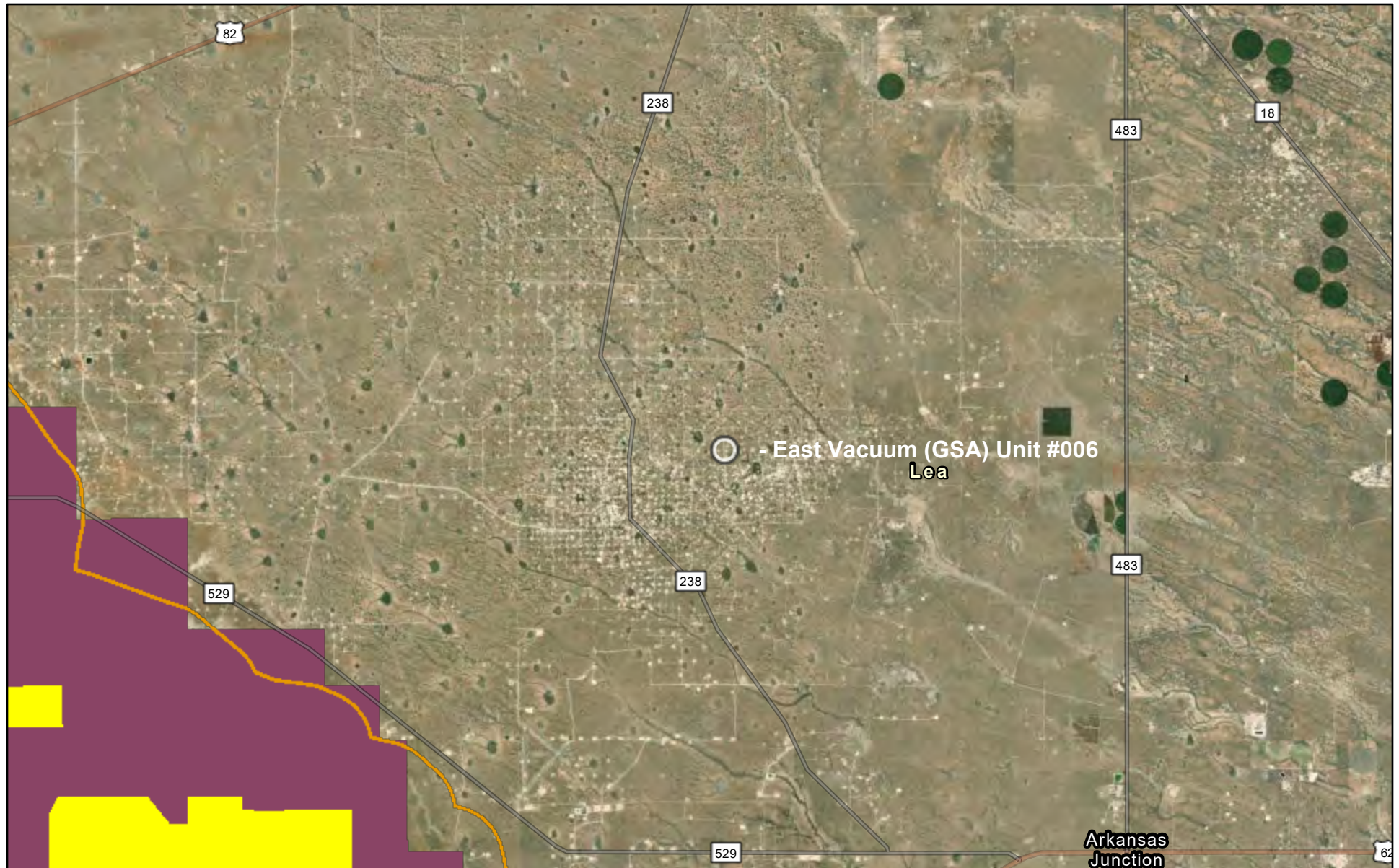
Maverick Permian
API #30-025-26385
Lea County, NM
NGRL1013255165
Confirmation Sample Map

Legend

-  3' Excavation - 175 sqft - 19 cu yds
-  3.5' Excavation - 157 sqft - 20 cu yds
-  3.5' Excavation - 184 sqft - 24 cu yds
-  6" Excavation - 160 sqft - 3 cu yds
-  Confirmation base samples
-  Confirmation wall samples



Special Status Plant/Wildlife Map

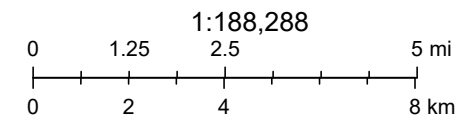


4/23/2025

-  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



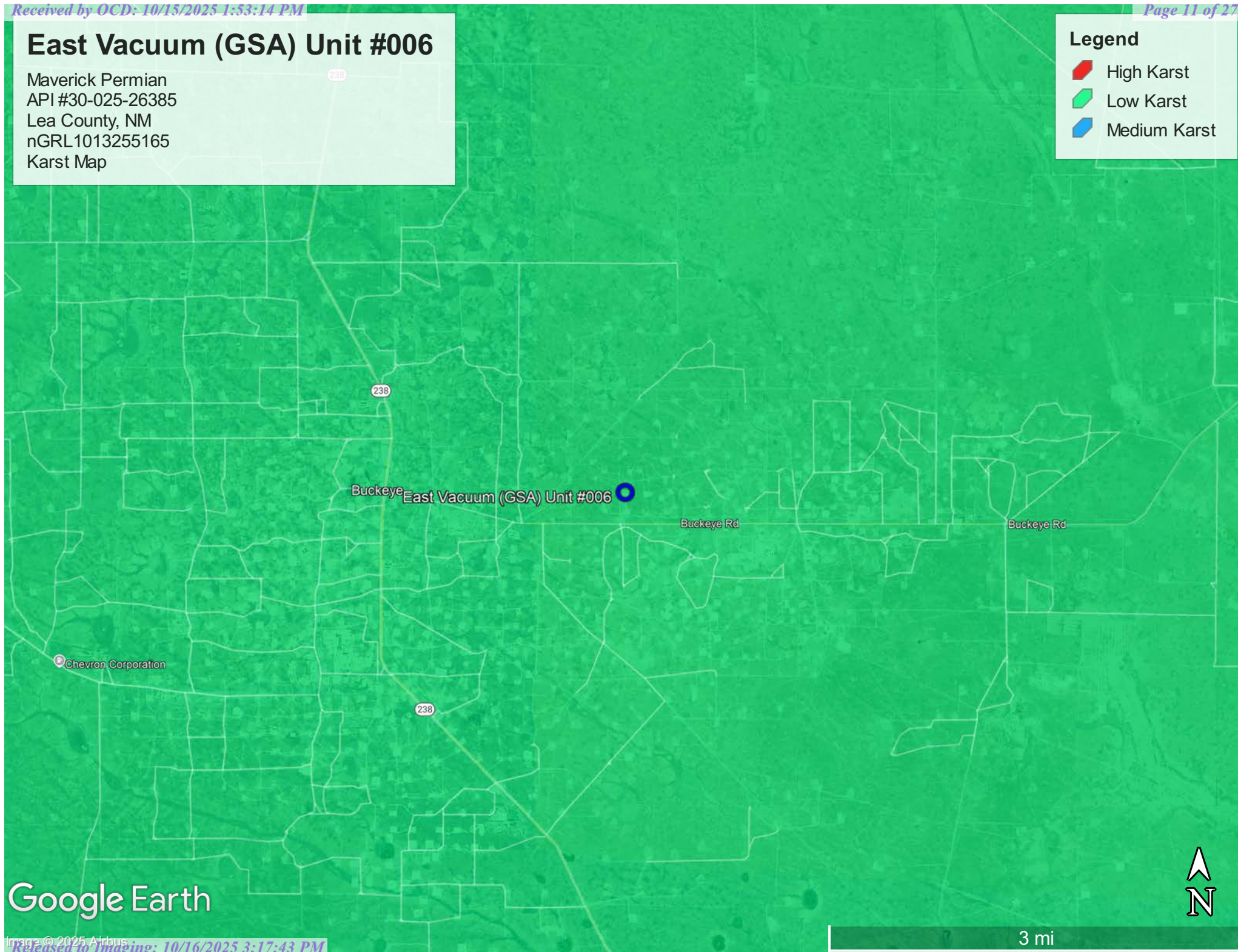
Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-26385
Lea County, NM
nGRL1013255165
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

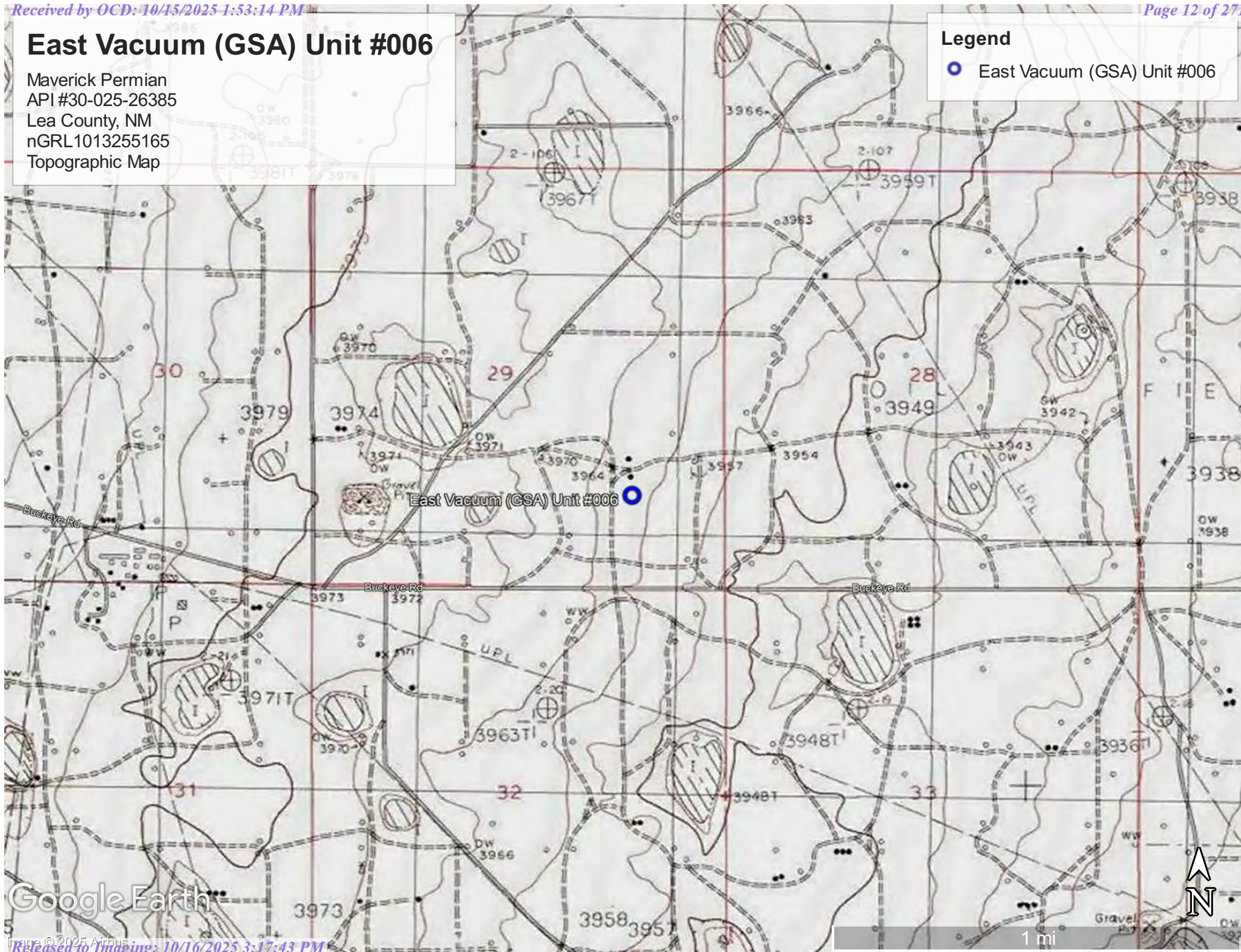
3 mi

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-26385
Lea County, NM
nGRL1013255165
Topographic Map

Legend

● East Vacuum (GSA) Unit #006



Google Earth

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-26385
Lea County, NM
nGRL1013255165
Location Map

Legend

● East Vacuum (GSA) Unit #006

East Vacuum (GSA) Unit #006

Google Earth

Image © 2025 Airbus
Released to Imaging: 10/16/2025 3:17:43 PM

Arkansas Junction

7 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

RECEIVED
MAR 18 2010
HOBBSCO

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

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 Well# 2913-006	Facility Type Oil and Gas
Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico
Lease No 300252638500	

LOCATION OF RELEASE

Unit Letter P	Section 29	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County
-------------------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	--------

Latitude

Longitude

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 10.3bbl (3oil, 7.3water)	Volume Recovered (3oil, 7water)
Source of Release Hole in a 2 7/8" steel surface flow line	Date and Hour of Occurrence 3/14/10 12:00 pm	Date and Hour of Discovery 3/14/10 12:30 pm
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 72'

Describe Cause of Problem and Remedial Action Taken.*

Release originated from a hole in a 2 7/8" steel surface flow line due to suspected internal/external corrosion. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water. The spill site will be remediated in accordance with an agreement with NMOCD.

Describe Area Affected and Cleanup Action Taken.*

Affected area is a 35' X 20' X .5" area of dry, hard, caliche road and pad. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water.

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: <i>John W. Gates</i>		OIL CONSERVATION DIVISION	
Printed Name: John W. Gates		ENV. ENGINEER: Approved by District Supervisor: <i>Jeffrey Leasing</i>	
Title: HSER Lead		Approval Date: 03/25/10	Expiration Date: 05/25/10
E-mail Address: John.W.Gates@conocophillips.com		Conditions of Approval: DELIVERATE TO CLEAN +1. SUBMIT FINAL C-141 BY	
Date: 3/16/10 Phone: 505.391.3158		Attached ☐ IRP-10-3-2459	

- Attach Additional Sheets If Necessary

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 489454

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 489454
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL1013255165
Incident Name	NGRL1013255165 EAST VACUUM (GSA) UNIT #006 @ 30-025-26385
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-26385] EAST VACUUM (GSA) UNIT #006

Location of Release Source	
Site Name	EAST VACUUM (GSA) UNIT #006
Date Release Discovered	03/14/2010
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,894
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/31/2025
Time sampling will commence	08:00 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	32.801683, -103.475930

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 489454

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 489454
	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 502655

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 502655
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL1013255165
Incident Name	NGRL1013255165 EAST VACUUM (GSA) UNIT #006 @ 30-025-26385
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-26385] EAST VACUUM (GSA) UNIT #006

Location of Release Source	
Site Name	EAST VACUUM (GSA) UNIT #006
Date Release Discovered	03/14/2010
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	800
What is the estimated number of samples that will be gathered	9
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/08/2025
Time sampling will commence	08:00 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	32.801683, -103.475930

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 502655

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 502655
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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

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 04829 S4		L	LE		NE	SW	29	17S	35E	642121.0	3630598.0 *		694	200	90	110
L 04829 S3		L	LE	NW	SW	NW	28	17S	35E	643222.0	3631111.0 *		881	215	70	145
L 04829 S5		L	LE		SW	NW	33	17S	35E	643347.0	3629400.0 *		1113	220	90	130
L 01919 POD2		L	LE	NW	NW	NE	29	17S	35E	642410.0	3631507.0 *		1208	209	55	154

Average Depth to Water: 76 feet

Minimum Depth: 55 feet

Maximum Depth: 90 feet

Record Count: 4

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 642771.13

Northing: 3630353.28

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, 2:42:24 PM

GIS WATERS PODs

● Active

● Pending

OSE District Boundary

Water Right Regulations

Artesian Plan Area

New Mexico State Trust Lands

Both Estates

00.050.10.2

00.10.20.4

1:9,028

0.2 mi

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



[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 =

- 324759103284501

Minimum number of levels = 1

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

USGS 324759103284501 17S.35E.29.32322

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°48'14", Longitude 103°28'55" NAD27

Land-surface elevation 3,971.00 feet above NGVD29

The depth of the well is 200 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.

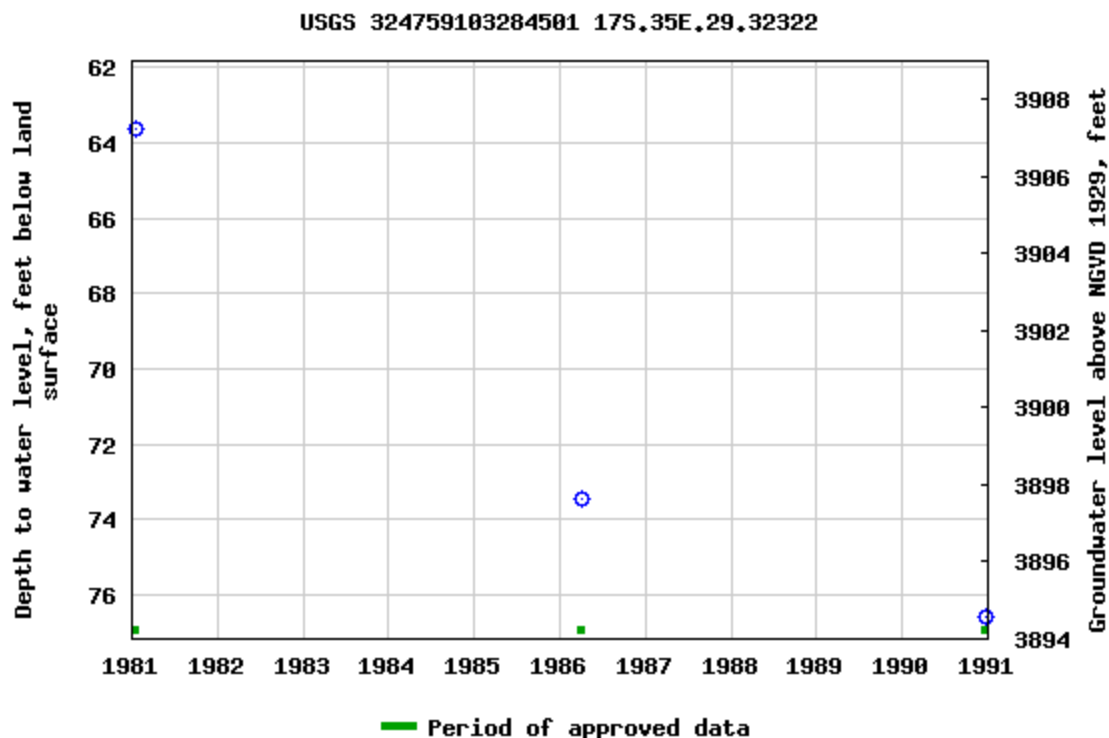
Output formats

[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](#)

[Subscribe for system changes](#)

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

Title: Groundwater for USA: Water Levels

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



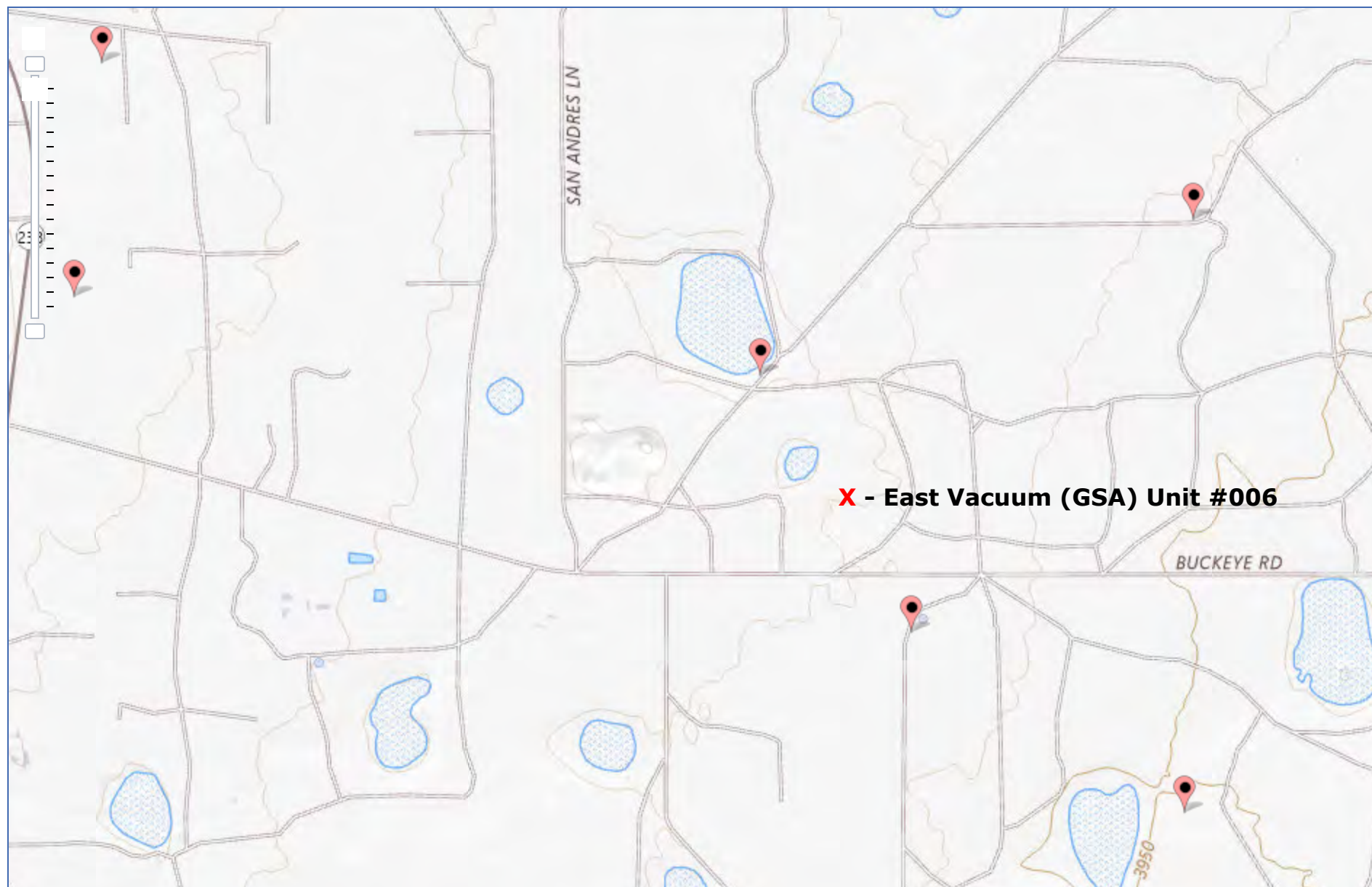
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-04-23 15:45:18 EDT

0.64 0.46 nadww02



National Water Information System: Mapper



East Vacuum (GSA) Unit #006

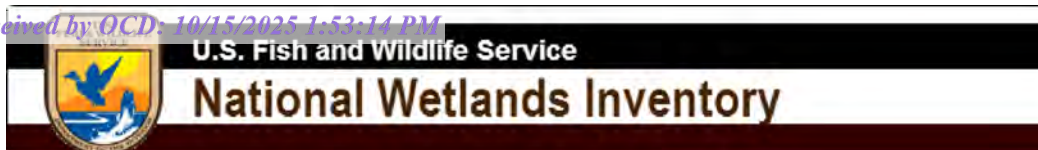
Maverick Permian
API #30-025-26385
Lea County, NM
nGRL1013255165
Surface Water Map

Legend

-  1.78 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

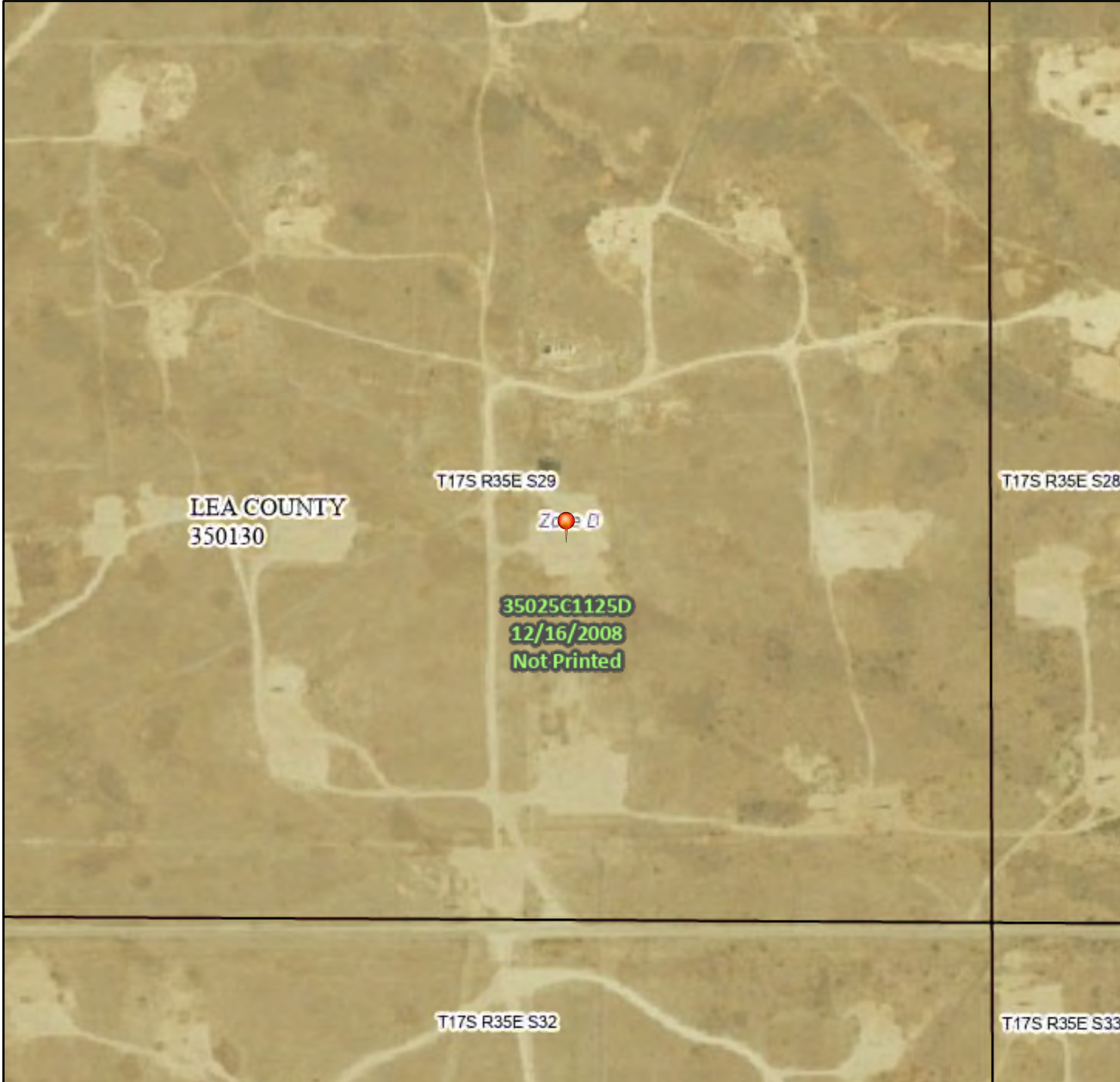
- Lake
- Other
- Riverine

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°28'50"W 32°48'21"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 7:47 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 10/16/2025 3:17:43 PM

1:6,000

103°28'12"W 32°47'51"N

Basemap Imagery Source: USGS National Map 2023

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
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

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

Interpretive groups

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

Minor Components

Douro

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

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

Kenhill

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

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

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

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

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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	2.1	100.0%
Totals for Area of Interest		2.1	100.0%

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-26385
Lea County, NM
nGRL1013255165
Geologic Unit Map

Legend

-  Ogallala Formation
-  Piedmont alluvial deposits

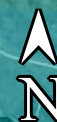
East Vacuum (GSA) Unit #006

Google Earth

Image © 2025 Airbus

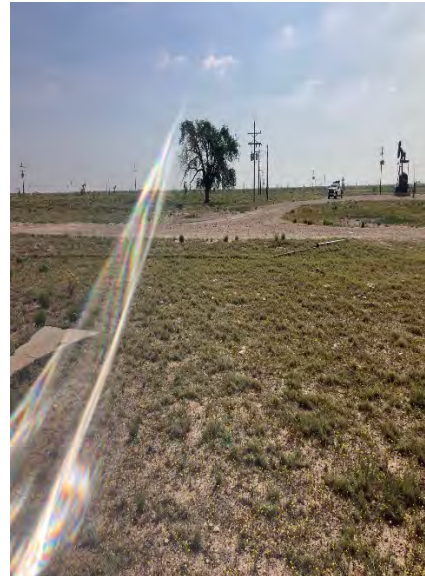
Released to Imaging: 10/16/2025 3:17:43 PM

4 mi



Appendix D

Photographic Documentation











Appendix E

Remediation Proposal

Closure Letter Report



17 May 2010

Mr. Geoffrey Leking
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

RE: Remediation Proposal
ConocoPhillips – EVGSAU #2913-006
UL-P (SE ¼ of the SE ¼) of Section 29, T 17 S, R 35 E
Longitude: 32° 48' 07.46"; Latitude: 103° 28' 33.70"
NMOCD Ref. #1RP-2459-0; EPI Ref. #190028

Dear Mr. Leking:

On March 14, 2010 at 12:30 p.m. approximately 7-barrels (bbls) of produced water and 3-bbls of petroleum products were released from a 2-7/8" diameter steel surface flow line. Approximately 7-bbls of produced water and 3-bbls of petroleum product were recovered. The combined fluids covered a release area of ±5,500 square feet. After initial vacuuming of fluids, ConocoPhillips retained the services of Environmental Plus, Inc., (EPI) to GPS, take photographs and delineate the release area. This letter report documents the results of the delineation activities and provides a *Remediation Proposal*.

Site Background

The Site is located in UL-P (SE ¼ of the SE ¼) of Section 29, T17S, R35E at an approximate elevation of 3,964 feet above mean sea level (amsl). The property is owned by the State of New Mexico and managed by the New Mexico State Land Office (NMSLO). A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). No wells (domestic, agriculture or public) or bodies of surface water exist within a 1,000 feet radius of the Site (reference *Figure 2*). Groundwater data indicates the average water depth is approximately 72 feet below ground surface (bgs). Based on available information, it was determined the distance between the impacted soil and groundwater is less than 70 feet. Utilizing this information, the New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	1,000 parts per million

Chloride residuals may not be capable of impacting local
Groundwater above NMWQCC of 250 mg/L

Additional
Information
was submitted

approved by:
Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs
1105110



Field Work

On April 22, 2010 EPI and Straub Corporation (Stanton, Texas) mobilized at the Site to direct the locale and depth of four (4) soil borings. Three (3) soil borings were advanced within confines of the release area while the fourth (4th) was used as background reference (Ref. Figure 4). Prior to advancement of soil borings, soil samples were to be collected at two (2) foot intervals initially and then a five (5) foot increments thereafter to total depth (TD) of each soil boring. However, this format was followed on the background reference soil boring (BG-1) which was advanced to a TD of 20-feet below ground surface (bgs). SB-1, SB-2 and SB-3 were advanced to depths of 5-feet bgs where TPH and chloride concentrations were below NMOCD Remedial Threshold goals (Goals). Information regarding lithology of soil borings is provided in Attachment III, *Soil Boring Logs*.

A portion of each soil sample was field analyzed for organic vapor and chloride concentrations. Soil samples collected for field testing of organic vapors were placed in a self-sealing polyethylene bag and allowed to equilibrate to ~70° F. The samples were then tested for organic vapor concentrations utilizing an MiniRae™ photoionization detector (PID) equipped with a 10.6 electron-volt (eV) lamp. Chloride concentrations were analyzed in the field with use of a LaMotte Chloride Kit (titration method).

Soil samples designated for laboratory analyses were immediately inserted into laboratory provided containers, placed into coolers, iced down and transported to Cardinal Laboratory, Hobbs, New Mexico, for quantification of BTEX (benzene, toluene, ethylbenzene and total xylenes); TPH [Gasoline Range Organics (GRO) and Diesel Range Organics (GRO)] and chloride concentrations.

Analytical Data

A review of Table #2, *Summary of Soil Boring Soil Sample Analytical Results*, indicates both TPH and chloride concentrations above NMOCD Remedial Threshold goals are surficial. This is indicative that oil/produced water fluids were recovered quickly preventing deeper penetration into the soil.

Site Remedial Proposal

EPI proposes remediating release areas surrounding the lease roads. Impacted material will be excavated to whatever depth and width is necessary to remove impacted soil above Goals for TPH (<1,000 mg/Kg) and chloride (250mg/Kg) concentrations. In reviewing Table 2, vertical depth of excavation should be limited to a maximum of five (5) feet bgs. Lateral excavation will proceed from shoulders of caliche lease roads and extend peripherally until sidewalls indicate Goals have been achieved. In any case, EPI will excavate minimum depth and width necessary to remove impacted material plus one (1) foot as noted on initial NMOCD Form C-141. Impacted material will be transported to Controlled Recovery, Inc., (CRI) for disposal.

A portion of soil samples collected from sidewalls and bottom of excavation will be field analyzed for TPH and chloride concentrations. After attaining TPH and chloride concentrations below



Goals, the second portion will be placed into laboratory provided containers, stored in coolers, iced down and transported to an independent laboratory for analyses of BTEX, TPH and chloride concentrations. Upon receipt of laboratory analytical results indicating Goals have been achieved, excavated areas will be backfilled.

Excavated areas will be backfilled with clean topsoil imported from a private pit located in the Buckeye area. Said top soil will be free of large clods, rocks and deleterious material. After backfill operations are complete, the entire disturbed areas will be contoured to promote natural drainage and prevent wind/water erosion. Disturbed areas will be drill seeded with a grass mixture approved by the NMSLO.

Slightly impacted material in the overspray areas (ref. Figure #3) will be scraped surfically to remove discolored material. The bared areas will be sprayed with a six (6) percent solution of Micro@Blaze and a thin layer of clean top soil applied over the disturbed areas. Contouring and seeding of these areas will conform to previously described methods.

Due to density of caliche and vehicle usage, EPI does not recommend major remediation of the intersection of the north-south and east-west caliche lease roads. Although not delineated, lease roads should contain TPH and chloride impacts to a depth less than surrounding release areas. With groundwater noted at approximately seventy-two (72) feet, chances of contamination are remote. However, the long discolored "fingers" on the east side of the north-south and middle of the east-west lease roads will be remediated (ref. Figure #3). The "fingers" will be excavated approximately two (2) feet deep and to a width which removes the discolored impacted areas. Following excavation, the areas will be immediately backfilled with caliche and wheel rolled for compaction. Excavation of the "fingers" on the north-south lease road will be confined to an area which does not significantly impede traffic and will not remain open overnight.

Should you have any technical questions, concerns or need additional information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via email at dduncanepi@gmail.com. Official communications should be directed to Mr. John Gates at (575) 391-3158 (office), (575) 390-4821 (cellular) or via email at John.W.Gates@conocophillips.com. with correspondence addressed to:

Mr. John W. Gates
HSER Lead
Permian-Buckeye Operations
29 Vacuum Complex Lane
Lovington, New Mexico 88260-9664

Analytical Report 370244
for
Environmental Plus, Incorporated

Project Manager: David P. Duncan

EVGSAU 2913-006

150028

27-APR-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



27-APR-10

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **370244**
EVGSAU 2913-006
Project Address: UL-P, Sec. 29, T17S, R35E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 370244. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 370244 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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**Sample Cross Reference 370244**

Environmental Plus, Incorporated, Eunice, NM
EVGSAU 2913-006

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BG-1 (2')	S	Apr-22-10 10:12		370244-001
BG-1 (5')	S	Apr-22-10 10:13		370244-002
BG-1 (10')	S	Apr-22-10 10:16		370244-003
BG-1 (15')	S	Apr-22-10 10:20		370244-004
BG-1 (20')	S	Apr-22-10 10:22		370244-005
SB-1 (2')	S	Apr-22-10 12:15		370244-006
SB-1 (5')	S	Apr-22-10 12:19		370244-007
SB-2 (2')	S	Apr-22-10 11:40		370244-008
SB-2 (5')	S	Apr-22-10 11:45		370244-009
SB-3 (2')	S	Apr-22-10 10:45		370244-010
SB-3 (5')	S	Apr-22-10 10:51		370244-011



CASE NARRATIVE

Client Name: Environmental Plus, Incorporated

Project Name: EVGSAU 2913-006



Project ID: 150028

Work Order Number: 370244

Report Date: 27-APR-10

Date Received: 04/23/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-804002 Percent Moisture

None

Batch: LBA-804004 Percent Moisture

None

Batch: LBA-804115 Anions by E300

None

Batch: LBA-804118 TPH By SW8015 Mod

None

TABLE 2

Summary of Soil Boring Soil Sample Analytical Results

ConocoPhillips

EVGSAU #2913-006 (UL-P, Section 29, T17S, R35E, Lea County, New Mexico)

NMOCD #: EPI Ref. #150028

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (C6-C12) (mg/Kg)	TPH (C12-C28) (mg/Kg)	TPH (C28-C35) (mg/Kg)	Total TPH (C6-C35) (mg/Kg)	Chloride (mg/Kg)
BG-1	2	In Situ	22-Apr-10	0.90	80	--	--	--	--	--	ND	ND	ND	ND	12.1
BG-1	5	In Situ	22-Apr-10	1.70	80	--	--	--	--	--	ND	ND	ND	ND	6.96
BG-1	10	In Situ	22-Apr-10	1.30	80	--	--	--	--	--	ND	ND	ND	ND	4.93
BG-1	15	In Situ	22-Apr-10	0.70	80	--	--	--	--	--	ND	ND	ND	ND	8.24
BG-1	20	In Situ	22-Apr-10	0.90	80	--	--	--	--	--	ND	ND	ND	ND	31.6
SB-1	2	In Situ	22-Apr-10	106	480	--	--	--	--	--	72.1	111	ND	183	369
SB-1	5	In Situ	22-Apr-10	13.8	160	--	--	--	--	--	ND	ND	ND	ND	32.9
SB-2	2	In Situ	22-Apr-10	535	160	--	--	--	--	--	281	646	26.0	953	53.3
SB-2	5	In Situ	22-Apr-10	27.3	160	--	--	--	--	--	ND	50.8	ND	50.8	ND
SB-3	2	In Situ	22-Apr-10	157	1,760	--	--	--	--	--	110	339	16.8	466	1,560
SB-3	5	In Situ	22-Apr-10	27.3	240	--	--	--	--	--	ND	26.2	ND	26.2	15.8
NMOCD Remedial Threshold Goals				100		10				50				100	250 ¹

Bolded values are in excess of NMOCD Remediation Thresholds

¹ Chloride residuals may not be capable of impacting groundwater above NMWQCC Ground Water Standards of 250 mg/L

J = Detected, but below Reporting Limits. Therefore, result is an estimated concentration (CLP J-Flag)

-- = Not Analyzed; ND - Not Detected; SB- Soil Boring; BG - Background Soil Boring



Certificate of Analysis Summary 370244

Environmental Plus, Incorporated, Eunice, NM

Project Name: EVGSAU 2913-006



Project Id: 150028

Contact: David P. Duncan

Project Location: UL-P, Sec. 29, T17S, R35E

Date Received in Lab: Fri Apr-23-10 10:52 am

Report Date: 27-APR-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	370244-001	370244-002	370244-003	370244-004	370244-005	370244-006
	<i>Field Id:</i>	BG-1 (2')	BG-1 (5')	BG-1 (10')	BG-1 (15')	BG-1 (20')	SB-1 (2')
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Apr-22-10 10:12	Apr-22-10 10:13	Apr-22-10 10:16	Apr-22-10 10:20	Apr-22-10 10:22	Apr-22-10 12:15
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		12.1 5.38	6.96 5.22	4.93 4.59	8.24 5.32	31.6 4.50	369 8.89
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		22.0 1.00	19.5 1.00	8.50 1.00	21.0 1.00	6.65 1.00	5.49 1.00
TPH By SW8015 Mod	<i>Extracted:</i>	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45
	<i>Analyzed:</i>	Apr-24-10 01:35	Apr-24-10 02:08	Apr-24-10 02:40	Apr-24-10 03:11	Apr-24-10 03:42	Apr-24-10 04:14
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		ND 19.2	ND 18.6	ND 16.4	ND 19.0	ND 16.1	72.1 15.9
C12-C28 Diesel Range Hydrocarbons		ND 19.2	ND 18.6	ND 16.4	ND 19.0	ND 16.1	111 15.9
C28-C35 Oil Range Hydrocarbons		ND 19.2	ND 18.6	ND 16.4	ND 19.0	ND 16.1	ND 15.9
Total TPH		ND 19.2	ND 18.6	ND 16.4	ND 19.0	ND 16.1	183 15.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 370244

Environmental Plus, Incorporated, Eunice, NM

Project Name: EVGSAU 2913-006



Project Id: 150028

Contact: David P. Duncan

Project Location: UL-P, Sec. 29, T17S, R35E

Date Received in Lab: Fri Apr-23-10 10:52 am

Report Date: 27-APR-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	370244-007	370244-008	370244-009	370244-010	370244-011	
	<i>Field Id:</i>	SB-1 (5')	SB-2 (2')	SB-2 (5')	SB-3 (2')	SB-3 (5')	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Apr-22-10 12:19	Apr-22-10 11:40	Apr-22-10 11:45	Apr-22-10 10:45	Apr-22-10 10:51	
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52	Apr-26-10 15:52	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		32.9 4.76	53.3 4.51	ND 4.50	1560 22.3	15.8 5.43	
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00	Apr-23-10 17:00	
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		11.7 1.00	6.81 1.00	6.70 1.00	5.84 1.00	22.6 1.00	
TPH By SW8015 Mod	<i>Extracted:</i>	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45	Apr-23-10 12:45	
	<i>Analyzed:</i>	Apr-24-10 04:45	Apr-24-10 05:15	Apr-24-10 05:45	Apr-24-10 06:47	Apr-24-10 07:19	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND 17.0	281 16.0	ND 16.1	110 15.9	ND 19.5	
C12-C28 Diesel Range Hydrocarbons		ND 17.0	646 16.0	50.8 16.1	339 15.9	26.2 19.5	
C28-C35 Oil Range Hydrocarbons		ND 17.0	26.0 16.0	ND 16.1	16.8 15.9	ND 19.5	
Total TPH		ND 17.0	953 16.0	50.8 16.1	466 15.9	26.2 19.5	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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 2505 North Falkenburg Rd, Tampa, FL 33619
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 12600 West I-20 East, Odessa, TX 79765
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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2913-006

Work Orders : 370244,

Project ID: 150028

Lab Batch #: 804118

Sample: 561782-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/23/10 23:33

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.2	99.7	88	70-135	
o-Terphenyl	36.9	49.9	74	70-135	

Lab Batch #: 804118

Sample: 561782-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/24/10 00:03

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.1	100	90	70-135	
o-Terphenyl	37.8	50.0	76	70-135	

Lab Batch #: 804118

Sample: 561782-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/24/10 00:33

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	80.2	101	79	70-135	
o-Terphenyl	40.1	50.3	80	70-135	

Lab Batch #: 804118

Sample: 370244-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 01:35

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	76.8	99.9	77	70-135	
o-Terphenyl	38.7	50.0	77	70-135	

Lab Batch #: 804118

Sample: 370244-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 02:08

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.5	100	75	70-135	
o-Terphenyl	37.3	50.0	75	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2913-006

Work Orders : 370244,

Project ID: 150028

Lab Batch #: 804118

Sample: 370244-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 02:40

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	70.4	100	70	70-135	
o-Terphenyl	35.1	50.1	70	70-135	

Lab Batch #: 804118

Sample: 370244-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 03:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.8	100	78	70-135	
o-Terphenyl	37.9	50.0	76	70-135	

Lab Batch #: 804118

Sample: 370244-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 03:42

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	70.1	99.9	70	70-135	
o-Terphenyl	35.2	50.0	70	70-135	

Lab Batch #: 804118

Sample: 370244-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 04:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	75.4	100	75	70-135	
o-Terphenyl	37.5	50.2	75	70-135	

Lab Batch #: 804118

Sample: 370244-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 04:45

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.4	100	83	70-135	
o-Terphenyl	41.0	50.1	82	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2913-006

Work Orders : 370244,

Project ID: 150028

Lab Batch #: 804118

Sample: 370244-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 05:15

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.8	99.6	84	70-135	
o-Terphenyl	41.1	49.8	83	70-135	

Lab Batch #: 804118

Sample: 370244-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 05:45

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.6	100	87	70-135	
o-Terphenyl	42.6	50.0	85	70-135	

Lab Batch #: 804118

Sample: 370244-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 06:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.9	100	83	70-135	
o-Terphenyl	41.8	50.0	84	70-135	

Lab Batch #: 804118

Sample: 370244-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 07:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	85.1	100	85	70-135	
o-Terphenyl	43.0	50.2	86	70-135	

Lab Batch #: 804118

Sample: 370244-009 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 07:48

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.3	100	90	70-135	
o-Terphenyl	38.6	50.1	77	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2913-006

Work Orders : 370244,

Project ID: 150028

Lab Batch #: 804118

Sample: 370244-009 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/24/10 08:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.1	99.5	88	70-135	
o-Terphenyl	37.1	49.8	74	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: EVGSAU 2913-006

Work Order #: 370244

Project ID:

150028

Lab Batch #: 804115

Sample: 804115-1-BKS

Matrix: Solid

Date Analyzed: 04/26/2010

Date Prepared: 04/26/2010

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Anions by E300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	96.0	96	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



BS / BSD Recoveries



Project Name: EVGSAU 2913-006

Work Order #: 370244

Analyst: BEV

Date Prepared: 04/23/2010

Project ID: 150028

Date Analyzed: 04/23/2010

Lab Batch ID: 804118

Sample: 561782-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	ND	997	957	96	1000	960	96	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	997	735	74	1000	712	71	3	70-135	35	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: EVGSAU 2913-006



Work Order #: 370244

Lab Batch #: 804115

Date Analyzed: 04/26/2010

Date Prepared: 04/26/2010

Project ID: 150028

Analyst: LATCOR

QC- Sample ID: 370244-008 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	53.3	107	174	113	75-125	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: EVGSAU 2913-006



Work Order #: 370244

Project ID: 150028

Lab Batch ID: 804118

QC- Sample ID: 370244-009 S

Batch #: 1 Matrix: Soil

Date Analyzed: 04/24/2010

Date Prepared: 04/23/2010

Analyst: BEV

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1070	1020	95	1070	950	89	7	70-135	35	
C12-C28 Diesel Range Hydrocarbons	50.8	1070	899	79	1070	796	70	12	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: EVGSAU 2913-006

Work Order #: 370244

Lab Batch #: 804115

Project ID: 150028

Date Analyzed: 04/26/2010

Date Prepared: 04/26/2010

Analyst: LATCOR

QC- Sample ID: 370244-008 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	53.3	56.1	5	20	

Lab Batch #: 804002

Date Analyzed: 04/23/2010

Date Prepared: 04/23/2010

Analyst: JLG

QC- Sample ID: 370221-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	8.36	8.48	1	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: Xenco

Company Name Environmental Plus, Inc.		Remit Invoice To:		ANALYSIS REQUEST																	
EPI Project Manager David P. Duncan		 ATTN: Mr. John Gates HSER Lead ConocoPhillips Company 29 Vacuum Complex Lane Lovington, New Mexico 88260-9664																			
Mailing Address P.O. BOX 1558																					
City, State, Zip Eunice New Mexico 88231																					
EPI Phone# / Fax# 575-394-3481 / 575-394-2601																					
Client Company ConocoPhillips																					
Facility Name EVGSAU 2913-006																					
Location UL-P, Sec. 29, T17S, R35E																					
Project Reference 150028																					
EPI Sampler Name Kirt Tyree																					
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		BTX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	PH	TCCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE								
370244																					
1	BG-1 (2')	G	1			X					X		22-Apr-10	10:12		X	X				
2	BG-1 (5')	G	1			X					X		22-Apr-10	10:13		X	X				
3	BG-1 (10')	G	1			X					X		22-Apr-10	10:16		X	X				
4	BG-1 (15')	G	1			X					X		22-Apr-10	10:20		X	X				
5	BG-1 (20')	G	1			X					X		22-Apr-10	10:22		X	X				
6	SB-1 (2')	G	1			X					X		22-Apr-10	12:15		X	X				
7	SB-1 (5')	G	1			X					X		22-Apr-10	12:19		X	X				
8	SB-2 (2')	G	1			X					X		22-Apr-10	11:40		X	X				
9	SB-2 (5')	G	1			X					X		22-Apr-10	11:45		X	X				
10	SB-3 (2')	G	1			X					X		22-Apr-10	10:45		X	X				
Sampler Relinquished:		4/23/2010		Received By:		E-mail results to: dduncanepi@gmail.com & John.W.Gates@conocophillips.com															
<i>Kirt Tyree</i>		Time 0600		<i>Rogan Boone</i>																	
Relinquished by:		4/23/2010		Received By: (lab staff)																	
<i>Rogan Boone</i>		Time 9:52		<i>Archer Sam</i> 4.23.10 10:52																	
Delivered by:				Sample Cool & Intact		Checked By:															
				Yes ☒ No ☐ 4.61		<i>w/labels no seals</i>															

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: Xenco

Company Name		Environmental Plus, Inc.		 ATTN: Mr. John Gates HSER Lead ConocoPhillips Company 29 Vacuum Complex Lane Lovington, New Mexico 88260-9664									
EPI Project Manager		David P. Duncan											
Mailing Address		P.O. BOX 1558											
City, State, Zip		Eunice New Mexico 88231											
EPI Phone#/Fax#		575-394-3481 / 575-394-2601											
Client Company		ConocoPhillips											
Facility Name		EVGSAU 2913-006											
Location		UL-P, Sec. 29, T17S, R35E											
Project Reference		150028											
EPI Sampler Name		Kirt Tyree											

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	PH	TCLP	OTHER >>>	PAH						
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE												TIME		
370244	1 SB-3 (5')	G	1			X					X		22-Apr-10	10:51		X	X										
	2																										
	3																										
	4																										
	5																										
	6																										
	7																										
	8																										
	9																										
	10																										

Sampler Relinquished:		4/23/2010		Received By:		E-mail results to: dduncanepi@gmail.com & John.W.Gates@conocophillips.com	
Kirt Tyree		Time 0600		Roger Boone			
Relinquished by:		4/23/2010		Received By: (lab staff)			
Roger Boone		Time 9:52		Andrea Sam 4:23:10 10:52			
Delivered by:		Sample Cool & Intact		Checked By:			
		Yes No 4.6°C				w/labels no seals	

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Env. Plus Inc.
 Date/ Time: 4.23.10 10:52
 Lab ID #: 370244
 Initials: AL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>4.6</u> °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	<u>Yes</u>	No	<u>Not Applicable</u>
#20	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

☐
☐
☐

See attached e-mail/ fax

Client understands and would like to proceed with analysis

Cooling process had begun shortly after sampling event

Gates, John W

From: Brito, Leonardo
Sent: Monday, May 17, 2010 5:54 AM
To: Gates, John W
Subject: FW: ENV-B12-EVGSAU 2913-6, REMEDIATE

As per Jeff's note....
 Have a great work week,
 Leo.

From: Mosley, Jeffrey W (Producers Assistance Corp.)
Sent: Sunday, May 16, 2010 11:09 PM
To: Brito, Leonardo
Subject: RE: ENV-B12-EVGSAU 2913-6, REMEDIATE

This needs to be sent to John Gates

Regards,

Jeff Mosley
 Project Lead / SENM
 PAC / ConocoPhillips
 HC 60, Box 66
 Lovington NM 88260
 Fax: 575-391-3140
 Cell: 575-441-4644

From: Brito, Leonardo
Sent: Wednesday, April 07, 2010 9:30 AM
To: Willis, Terrell (Producers Assistance Corp.)
Cc: Saenz, Danny; Brito, Leonardo; Flores Jr, Merced
Subject: ENV-B12-EVGSAU 2913-6, REMEDIATE

Terrell,

This is **HIGH PRIORITY WORK** - ESTIMATED COSTS \$ **6,500.00**

The Notification was Initiated by **MERCED FLORES**

Below is all the information that was on the Maintenance Order Description Box:

ENV-B12-EVGSAU 2913-6, REMEDIATE

J.GATES CALLED IN NEEDING AN EXTRA \$5000.00.

**** TEXT FROM NOTIFICATION *****

* 03/15/2010 11:37:37 Sara Marquez (MARQUS) Phone 1-575-391-3123

*

* REMEDIATE LOCATION, DUE TO FLOWLINE LEAK.

**** END OF NOTIFICATION TEXT *****

Charge Code: # 6949257

P.O. # SJJEWEL

Please email me and let me know WHEN THE WORK IS COMPLETED...

Many Thanks
LEO

Leonardo Brito

L48 PERMIAN PPM PLANNER/SCHEDULER

✉ Address: ConocoPhillips Inc.

4001 Penbrook - Odessa, TX 79762

☎ Office: (432) 368-1451

Cell: (432) 212-4341

Fax: (432) 368-1473

ConocoPhillips



Permian Basin Asset

Record of Accidental Discharge of Crude Oil, Water or Hazardous Substances

Lease: EVGSAU Well # 2913-006		Lease # 300252638500 (API, RRC, State, or Federal)		Field: EVGSAU																															
Discovered By: Bradley Boroughs/Merced Flores			Date and Time Discovered: 3-14-10 @ 12:30 p.m.																																
Date and Time Discharge Began: 3-14-10 @ 12:00 p.m.			Date and Time Discharge Ended: 3-14-10 @ 12:45 p.m.																																
Discharge Site: Unit Letter N/A Sec. 29 Blk/TWP 17S Survey/Range 35E County/State Lea/New Mexico																																			
Latitude N/A Longitude N/A																																			
Highway Map Location: From ConocoPhillips main office on CR 50, 2 miles west and 1/4 mile North to location																																			
Location Of Discharge: Flowline 35'x20'x.5"			☒ Flowline ----- 30 Feet to Nearest Wellhead Number 2913-006 ☐ Injection Line Feet to Nearest Wellhead Number																																
Specific Source of Discharge: Flowline																																			
Describe Cause of Discharge: Hole in flowline																																			
Actions taken to Prevent Reoccurrence: Repaired flowline with new tubing																																			
Describe Nature and Extent of Area Affected: Spilled fluid around flowline leak and misted 200' x 50' around leak																																			
Weather Conditions: Fair																																			
Clean-Up Action Taken: Remove contaminated soil and replace with fresh caliche																																			
Remediation Action Taken: N/A																																			
<table border="0"> <tr> <th colspan="2">Specific Source of Discharge</th> <th colspan="2">Possible Reasons For Failure</th> </tr> <tr> <td>☒ Flowline</td> <td>☐ Pump</td> <td>☒ Corrosion</td> <td>☐ Human Error</td> </tr> <tr> <td>☐ Tank Piping</td> <td>☐ Vessel</td> <td>☒ External</td> <td>☐ Pressure</td> </tr> <tr> <td>☐ Vessel Piping</td> <td>☐ Chemical Storage Container</td> <td>☒ Internal</td> <td>☐ Instrumentation</td> </tr> <tr> <td>☐ Line Check Valve</td> <td>☐ Chemical Injection Equipment</td> <td>☐ Fatigue</td> <td>☐ Mechanical</td> </tr> <tr> <td>☐ Wellhead Connections</td> <td>☐ Casing/Tubing Communication</td> <td>☐ Age</td> <td>☐ Weather</td> </tr> <tr> <td>☐ Tank</td> <td>☐ Other:</td> <td colspan="2"></td> </tr> </table>						Specific Source of Discharge		Possible Reasons For Failure		☒ Flowline	☐ Pump	☒ Corrosion	☐ Human Error	☐ Tank Piping	☐ Vessel	☒ External	☐ Pressure	☐ Vessel Piping	☐ Chemical Storage Container	☒ Internal	☐ Instrumentation	☐ Line Check Valve	☐ Chemical Injection Equipment	☐ Fatigue	☐ Mechanical	☐ Wellhead Connections	☐ Casing/Tubing Communication	☐ Age	☐ Weather	☐ Tank	☐ Other:				
Specific Source of Discharge		Possible Reasons For Failure																																	
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☐ Wellhead Connections	☐ Casing/Tubing Communication	☐ Age	☐ Weather																																
☐ Tank	☐ Other:																																		
Cost of Cleanup/Repair: \$1,500																																			
<table border="0"> <tr> <td colspan="4">Pipe Size = 2 7/8 inches</td> </tr> <tr> <td>☒ Steel</td> <td>☐ Buried</td> <td>☐ Coated</td> <td>☐ Plastic Lined</td> </tr> <tr> <td>☐ Fiberglass</td> <td>☒ Surface</td> <td>☐ Internal</td> <td>☐ Fiberglass</td> </tr> <tr> <td>☐ Plastic</td> <td>☐ Bare</td> <td>☐ External</td> <td>☐ Was Line Chemically Treated</td> </tr> <tr> <td>☐ Transite</td> <td></td> <td>☐ Cement Lined</td> <td>☐ Other</td> </tr> </table>						Pipe Size = 2 7/8 inches				☒ Steel	☐ Buried	☐ Coated	☐ Plastic Lined	☐ Fiberglass	☒ Surface	☐ Internal	☐ Fiberglass	☐ Plastic	☐ Bare	☐ External	☐ Was Line Chemically Treated	☐ Transite		☐ Cement Lined	☐ Other										
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		@	☐ Phone	☐ Fax																															
		@	☐ Phone	☐ Fax																															
Landowner/Tenant:			Telephone No.																																
I Hereby Certify That The Above Information Is True To The Best Of My Knowledge.																																			
Name and Title: Merced Flores, MSO																																			
Date: 3/16/10																																			

District I
1625 N. French Dr., Hobbs, NM 88249
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87422
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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MAR 18 2010
HOBBSUCD

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

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 Well# 2913-006	Facility Type Oil and Gas
Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico
Lease No 300252638500	

LOCATION OF RELEASE

Unit Letter	Section 29	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County
-------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	--------

Latitude **32° 48.127** Longitude **103° 28.544**

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 10.3bbl (3oil, 7.3water)	Volume Recovered (3oil, 7water)
Source of Release Hole in a 2 7/8" steel surface flow line	Date and Hour of Occurrence 3/14/10 12:00 pm	Date and Hour of Discovery 3/14/10 12:30 pm
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

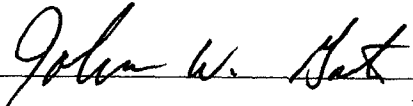
Describe Cause of Problem and Remedial Action Taken.*

Release originated from a hole in a 2 7/8" steel surface flow line due to suspected internal/external corrosion. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water. The spill site will be remediated in accordance with an agreement with NMOCD.

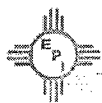
Describe Area Affected and Cleanup Action Taken.*

Affected area is a 35' X 20' X .5" area of dry, hard, caliche road and pad. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water.

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 District Supervisor:	
Title: HSE Lead	Approval Date:	Expiration Date:
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 3/16/10 Phone: 505.391.3158		

- Attach Additional Sheets If Necessary



ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

06 April 2010

Mr. John Gates
HSER Lead
ConocoPhillips Company
1410 N. W. County Road
Hobbs, New Mexico 88240

RE: Proposed Delineation of Release Area via Advancement of Soil Borings
Located near EVGSAU 2913-006
UL-P (SE1/4 of the SE1/4), Section 29, T17S, R35E
Lea County, New Mexico
EPI Ref. #150028

Dear Mr. Gates:

Environmental Plus, Inc., (EPI) respectfully submits the following Cost Estimate for advancement of four (4) proposed soil borings to delineate the above referenced Release Area:

A.) Delineation Cost Estimate:

- | | |
|---|-------------|
| 1. Construction Cost Sub-Total
(i.e., advancement of soil borings, plugging soil borings, collection of soil samples, transportation of soil samples to XENCO Lab, etc.) | \$9,140.00 |
| 2. Material Fees
(i.e., disposal fee for impacted soil at Controlled Recovery, Inc., etc.) | \$76.00 |
| 3. Analytical and Technical Support
(i.e., project management and reporting, fees for field and laboratory analyses of soil samples, etc.) | \$3,950.00 |
| <u>Estimated Total</u> | \$13,166.00 |

Cost Estimate is based on the following assumptions:

- A.) Advancement of four (4) soil borings to a maximum depth of forty-five (45) feet below ground surface (bgs) (Ref. *Figure #4* for proposed locations). This is an arbitrary depth allowing a buffer zone between projected groundwater elevation of seventy-five (75) feet bgs. However, soil borings will be advanced to a depth whenever two (2) consecutive soil samples are below NMOCD Guidelines of BTEX – 50 mg/kg, TPH – 100 mg/Kg and Chlorides – 250 mg/Kg or total depth of forty-five



(45) feet bgs is achieved whichever comes first. Soil borings will be plugged in accordance with State of New Mexico Engineers Standards

- B.) During advancement of soil borings, soil samples will be collected/field analyzed at 2- and 5-foot bgs intervals initially, then a 5-foot increments thereafter until one of the two criteria explained in Item A above is met. Soil samples will be analyzed in the field using a MiniRae® Photoionization Detector (PID) for TPH and LaMotte Chloride Test Kit (titration method) for chloride concentrations. BTEX concentrations, if required, will be analyzed in the laboratory. In congruence with field analyses, soil samples will be immediately placed in laboratory provided glass containers, labeled and inserted into a cooler containing ice with transportation to XENCO Lab in Odessa, Texas under Chain-of-Custody protocol.
- C.) Fees associated with laboratory analyses of soil samples (XENCO) and disposal of impacted soil bore tailings (Controlled Recovery, Inc.) will be reimbursed by ConocoPhillips to each entity.
- D.) Upon completion of project, EPI will furnish ConocoPhillips an abbreviated *Remediation Proposal* inclusive of all field/laboratory analytical data and recommendations for remediation of Release Area.

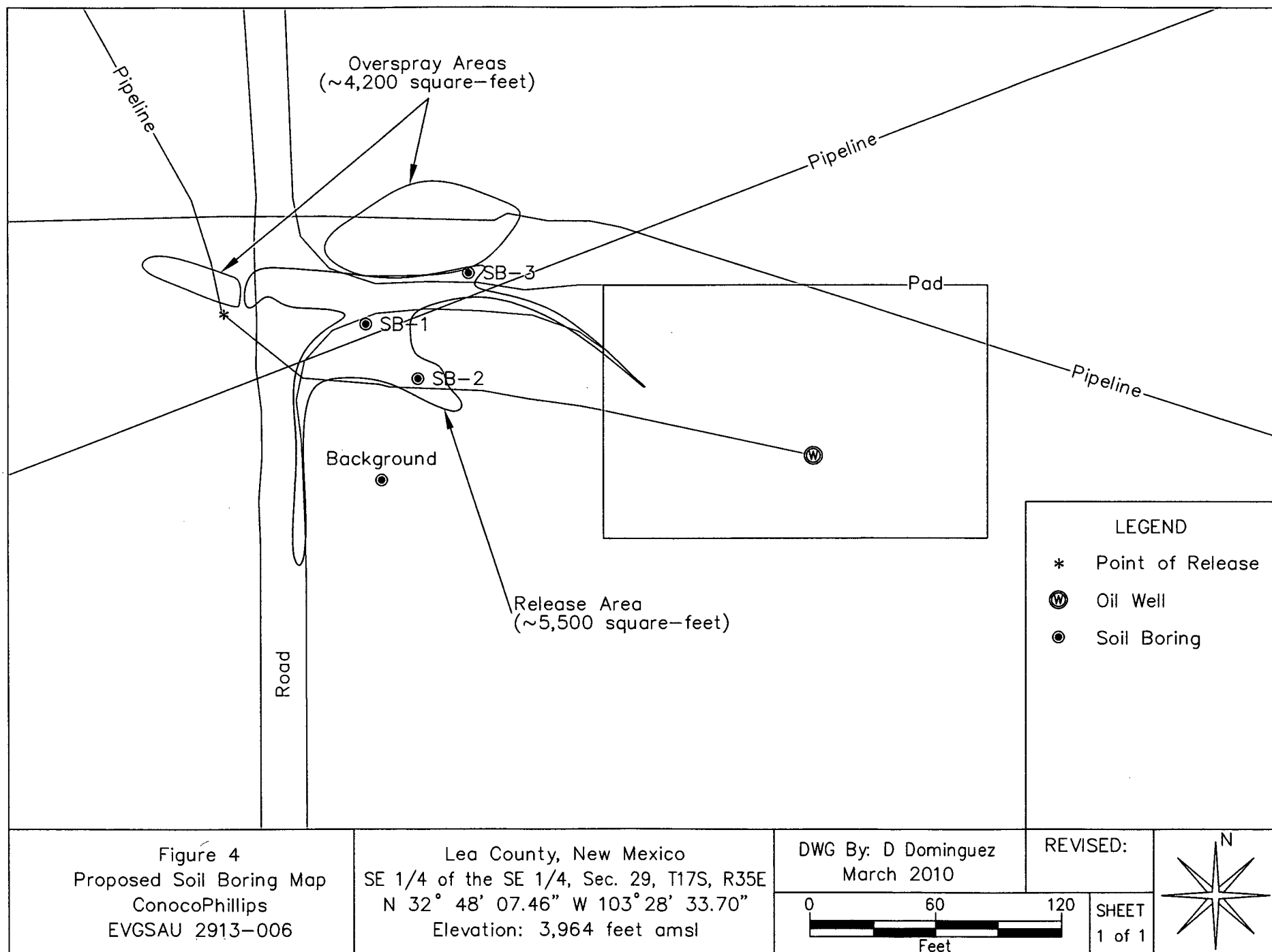
Should you have questions, concerns or need additional information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Sincerely,

ENVIRONMENTAL PLUS, INC.,

David P. Duncan
Civil Engineer

Cc: Cody Miller – Vice President, EPI
Roger Boone – Operations Manager, EPI
Junior Hernandez – Sales Consultant, EPI



Gates, John W

From: Brito, Leonardo
Sent: Monday, April 19, 2010 1:07 PM
To: Gates, John W
Subject: FW: Delineation process on EVGSAU Well #2913-006

FYI....

They are ready to go for Thursday, they have made the one call, etc. for this task.

From: Brito, Leonardo
Sent: Monday, April 19, 2010 2:05 PM
To: 'Junior Hernandez'
Subject: RE: Delineation process on EVGSAU Well #2913-006

Junior for invoice purposes use:

WELL NAME: EVGSAU 2913-006
CHARGE CODE: 6949257
P.O. SJJEWEL

Regards,
Leo.

From: Brito, Leonardo
Sent: Monday, April 19, 2010 1:59 PM
To: 'Junior Hernandez'
Cc: Mosley, Jeffrey W (Producers Assistance Corp.)
Subject: RE: Delineation process on EVGSAU Well #2913-006

Junior,
Please Coordinate with Jeff Mosley, Project Lead, so you can be on location Thursday April 22nd. early morning. You need to **MAKE SURE** all your personnel working on this task have had ConocoPhillips Orientation and SLS training, otherwise they will be send back home.

Jeff Cell is : 575-441-4644

Best regards,

Leonardo Brito

L48 PERMIAN PPM PLANNER/SCHEDULER

✉ Address: ConocoPhillips Inc.

4001 Penbrook - Odessa, TX 79762

☎ Office: (432) 368-1451

Cell: (432) 212-4341

Fax: (432) 368-1473

From: Junior Hernandez [mailto:jhernandez.epi@gmail.com]
Sent: Monday, April 19, 2010 12:26 PM
To: Brito, Leonardo
Subject: Delineation process on EVGSAU Well #2913-006

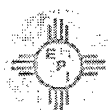
Mr. Brito:

This is JR Hernandez with Environmental Plus Inc. in Eunice, NM. I received an email from John Gates saying for me to move forward with the delineation process on the EVGSAU Well #2913-006 in Buckeye. Mr. Gates also informed me that I need to get with you as far as for planning and scheduling. I wanted to contact you and see about setting up a date for the delineation to begin. My cell phone number is 575-441-4974.

Thank you,
JR Hernandez
Environmental Plus Inc.

4/21/2010

SAMPLE ID		SAMPLE DEPTH (FT)	COLLECTION TIME	PID ANALYSIS TIME	PID READING (PPM)	CHLORIDE ANALYSIS				SOIL DESCRIPTION
							Titration Tube Reading		mg/Kg	
BG	2	2'	10:12	10:18	0.9	2 gms of soil	40 ml H2O	4	x 20 = 80	
BG		5'	10:13	10:20	1.7	2 gms of soil	40 ml H2O	4	x 20 = 80	
BG		10'	10:16	10:22	1.3	2 gms of soil	40 ml H2O	4	x 20 = 80	
BG		15'	10:20	10:28	0.7	2 gms of soil	40 ml H2O	4	x 20 = 80	
BG		20'	10:22	10:30	0.9	2 gms of soil	40 ml H2O	4	x 20 = 80	
SB	3	2'	10:45	10:50	157.0	2 gms of soil	40 ml H2O	88	x 20 = 1760	
SB	3	5'	10:51	10:59	3.6	2 gms of soil	40 ml H2O	12	x 20 = 240	
SB	2	2'	11:40	11:50	535.0	2 gms of soil	40 ml H2O	8	x 20 = 160	
SB	2	5'	11:45	11:55	27.3	2 gms of soil	40 ml H2O	8	x 20 = 160	
SB	1	2'	12:15	12:20	106.0	2 gms of soil	40 ml H2O	24	x 20 = 480	
SB	1	5'	12:19	12:28	13.8	2 gms of soil	40 ml H2O	8	x 20 = 160	
						2 gms of soil	40 ml H2O		x 20 =	
						2 gms of soil	40 ml H2O		x 20 =	
						2 gms of soil	40 ml H2O		x 20 =	
						2 gms of soil	40 ml H2O		x 20 =	
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						2 gms of soil	40 ml H2O		x 20 =	
						2 gms of soil	40 ml H2O		x 20 =	
						2 gms of soil	40 ml H2O		x 20 =	
PID CALIBRATION										WEATHER
Time		Fresh Air	Span Gas	Time		Fresh Air	Span Gas	Time		Temp. Misc
9:00 AM		0.0	99.7							



ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

06 April 2010

Mr. John Gates
HSER Lead
ConocoPhillips Company
1410 N. W. County Road
Hobbs, New Mexico 88240

RECEIVED

JUL 16 2010

HOBBSOCD

RE: Proposed Delineation of Release Area via Advancement of Soil Borings
Located near EVGSAU 2913-006
UL-P (SE1/4 of the SE1/4), Section 29, T17S, R35E
Lea County, New Mexico
EPI Ref. #150028

Dear Mr. Gates:

Environmental Plus, Inc., (EPI) respectfully submits the following Cost Estimate for advancement of four (4) proposed soil borings to delineate the above referenced Release Area:

A.) Delineation Cost Estimate:

- | | |
|---|-------------|
| 1. Construction Cost Sub-Total
(i.e., advancement of soil borings, plugging soil borings, collection of soil samples, transportation of soil samples to XENCO Lab, etc.) | \$9,140.00 |
| 2. Material Fees
(i.e., disposal fee for impacted soil at Controlled Recovery, Inc., etc.) | \$76.00 |
| 3. Analytical and Technical Support
(i.e., project management and reporting, fees for field and laboratory analyses of soil samples, etc.) | \$3,950.00 |
| <u>Estimated Total</u> | \$13,166.00 |

Cost Estimate is based on the following assumptions:

- A.) Advancement of four (4) soil borings to a maximum depth of forty-five (45) feet below ground surface (bgs) (Ref. *Figure #4* for proposed locations). This is an arbitrary depth allowing a buffer zone between projected groundwater elevation of seventy-five (75) feet bgs. However, soil borings will be advanced to a depth whenever two (2) consecutive soil samples are below NMOC Guidelines of BTEX – 50 mg/kg, TPH – 100 mg/Kg and Chlorides – 250 mg/Kg or total depth of forty-five

ENVIRONMENTAL PLUS, INC.



(45) feet bgs is achieved whichever comes first. Soil borings will be plugged in accordance with State of New Mexico Engineers Standards

- B.) During advancement of soil borings, soil samples will be collected/field analyzed at 2- and 5-feet bgs intervals initially, then a 5-foot increments thereafter until one of the two criteria explained in Item A above is met. Soil samples will be analyzed in the field using a MiniRae® Photoionization Detector (PID) for TPH and LaMotte Chloride Test Kit (titration method) for chloride concentrations. BTEX concentrations, if required, will be analyzed in the laboratory. In congruence with field analyses, soil samples will be immediately placed in laboratory provided glass containers, labeled and inserted into a cooler containing ice with transportation to XENCO Lab in Odessa, Texas under Chain-of-Custody protocol.
- C.) Fees associated with laboratory analyses of soil samples (XENCO) and disposal of impacted soil bore tailings (Controlled Recovery, Inc.) will be reimbursed by ConocoPhillips to each entity.
- D.) Upon completion of project. EPI will furnish ConocoPhillips an abbreviated *Remediation Proposal* inclusive of all field/laboratory analytical data and recommendations for remediation of Release Area.

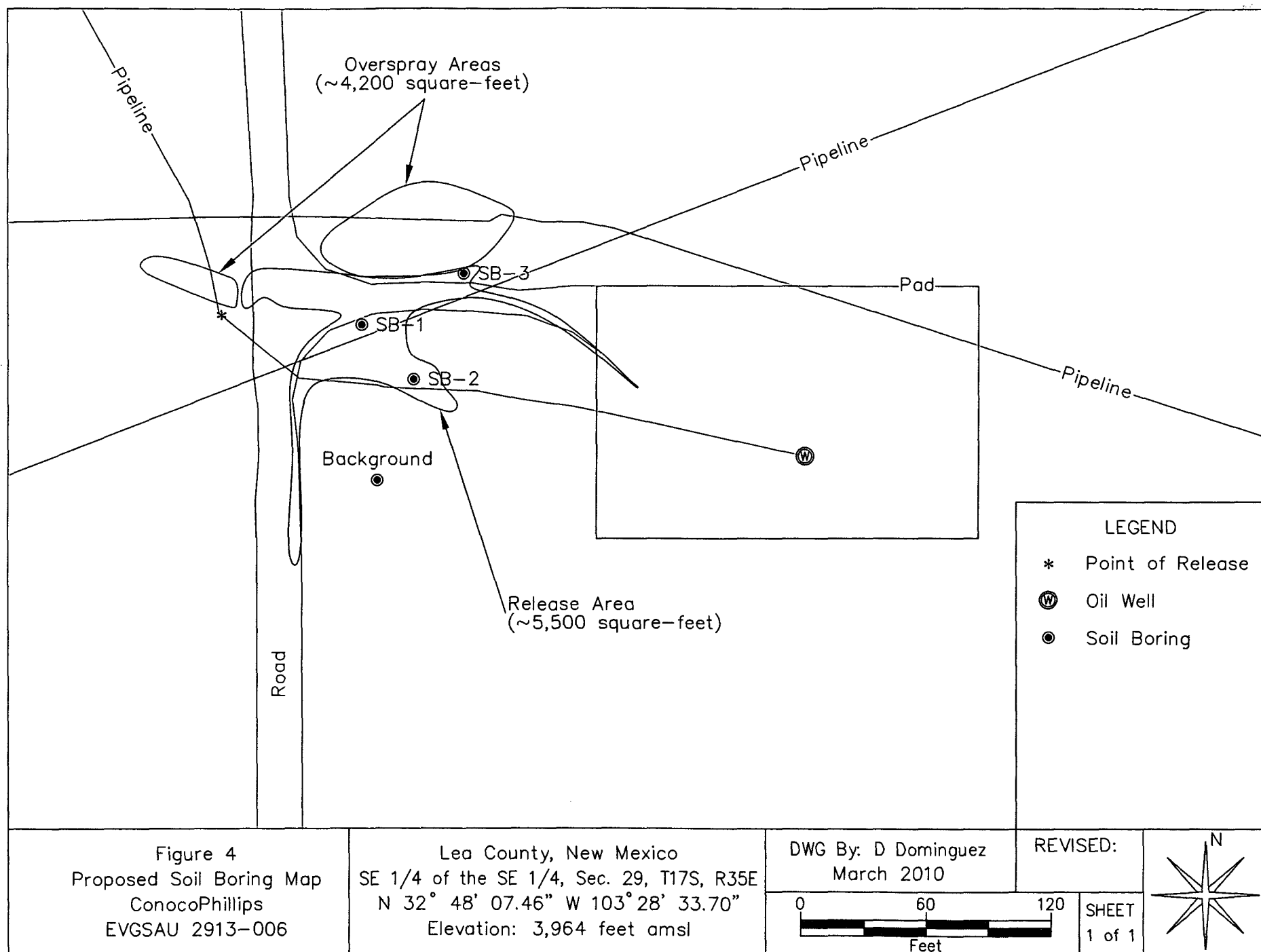
Should you have questions, concerns or need additional information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Sincerely,

ENVIRONMENTAL PLUS, INC.,

David P. Duncan
Civil Engineer

Cc: Cody Miller – Vice President, EPI
Roger Boone – Operations Manager, EPI
Junior Hernandez – Sales Consultant, EPI



Gates, John W

From: David Duncan [dduncanepi@gmail.com]
Sent: Tuesday, May 04, 2010 8:10 AM
To: Mosley, Jeffrey W (Producers Assistance Corp.)
Cc: Gates, John W
Subject: ConocoPhillips - EVGSAU #2913-006 (EPI Ref. #150028)
Attachments: Table 2 - Soil Boring Analytical Data.pdf

Mr. Mosley:

Attached for review and records is Table #2, Summary of Soil Boring Soil Sample Analytical Results, for the above referenced project. As noted most area impacts are surficial requiring excavation to clean up contaminated material plus one (1) foot of clean area as required by the NMOCD. Per your approval, EPI will prepare a Remediation Proposal for cleanup of the site and present to you for comments. After insertion of comments into the document, EPI will deliver a bound copy to the NMOCD for approval. During the interim, EPI will prepare a Cost Estimate for remediation of the release area.

Should you have concerns, questions or need additional information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Sincerely,

ENVIRONMENTAL PLUS, INC.,

David P. Duncan
Civil Engineer
EPI Project Manager



October 19, 2020

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505

**Subject: Closure Letter Report
ConocoPhillips
1RP-2522
EVGSAU Well #2913-006 Flowline Release
PLSS Unit Letter P, Section 29, Township 17 South, and Range 35 East
Lea County, New Mexico**

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips East Vacuum Grayburg-San Andres (EVGSAU) Well #2913-006 (API No. 30-025-26385) is located approximately 1.75 miles east of Buckeye in Lea County, New Mexico (Figure 1). The well is located in the Public Land Survey System (PLSS) Unit Letter P, Section 29, Township 17 South, and Range 35 East. The coordinates of the release area (Site) are 32.801501°, -103.475228°.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on March 14, 2010 a release occurred from a hole in a 2 7/8-inch (in) steel surface flow line due to suspected corrosion. The release consisted of 3 barrels (bbls) of crude oil and 7.3 bbls of produced water and affected a 35-foot (ft) by 20-ft by 1/2-in-deep area of dry, hard, caliche road and pad. During initial response activities, a vacuum truck recovered 3 bbls of crude oil and 7 bbls of produced water. The initial C-141 was submitted to the New Mexico Oil Conservation Division (NMOCD) on March 16, 2010, and the release was subsequently assigned the Remediation Permit (RP) number 1RP-2522.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area.

Based on data from the New Mexico Office of the State Engineer (NMOSE), there is one (1) water well located within an 800-meter (approximately 1/2-mile) radius of the Site. The average depth to groundwater is 90 feet. The site characterization data is shown in Attachment B.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

TETRA TECH

8911 N. Capital of Texas Hwy, Building 2, Suite 2310, Austin, TX, 78759

Tel 512-338-1667 Fax 512-338-1331 www.tetrattech.com

Bradford Billings
NMOCD
October 19, 2020

Based on the depth to groundwater at the Site, the RRALs for the Site are as follows:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO): 1,000 mg/kg;
- TPH (GRO + DRO + ORO): 2,500 mg/kg;
- Chloride: 600 mg/kg (0 – 4 ft bgs)
- Chloride: 10,000 mg/kg (>4 ft bgs)

VISUAL SITE INSPECTION SUMMARY

At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on June 8, 2020 at the release area evaluate to current conditions at the Site. The formerly impacted area was identified from the description in the C-141 (and correspondence with ConocoPhillips) and was corroborated by aerial imagery. Photographic documentation from the visual assessment is included as Attachment C. A list of observations made during the records review and visual Site inspection follow:

- Review of available historical aerial imagery revealed no evidence of the release in the vicinity of the caliche road and pad.
- The area just south of the well pad was barren and unvegetated in historical aerial imagery prior to the date of the release.
- No surficial staining was noted in the reported release area footprint during the June 2020 visual Site inspection.
- No staining was observed in the pasture areas near the Site.
- Per the C-141, the formerly impacted release footprint was restricted to active oil and gas production areas on the caliche well pad.

CONCLUSION

Based on a review of available historical aerial imagery and the June 2020 visual Site inspection, no existing evidence of impact was observed in the vicinity of the release point. Therefore, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at christian.llull@tetrattech.com.

Sincerely,



Christian M. Llull
Project Manager
Tetra Tech, Inc.

FIGURES



Source: Google Earth Pro, May 2019.



TETRA TECH

www.tetrattech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

1RP-2522

(32.8018875°, -103.4751434°)
LEA COUNTY, NEW MEXICO

**EVGSAU WELL #2913-006 FLOWLINE RELEASE
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02152

DATE: JUNE 15, 2020

DESIGNED BY: AAM

Figure No.

1

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\FIGURE 1 SITE LOCATION_1RP-2522.MXD

**ATTACHMENT A
C-141 Forms**

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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 Well# 2913-006	Facility Type Oil and Gas

Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico	Lease No 300252638500
--	--	------------------------------

LOCATION OF RELEASE

Unit Letter P	Section 29	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County
-------------------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	--------

Latitude

Longitude

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 10.3bbl (3oil, 7.3water)	Volume Recovered (3oil, 7water)
Source of Release Hole in a 2 7/8" steel surface flow line	Date and Hour of Occurrence 3/14/10 12:00 pm	Date and Hour of Discovery 3/14/10 12:30 pm
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 65'

Describe Cause of Problem and Remedial Action Taken.*

Release originated from a hole in a 2 7/8" steel surface flow line due to suspected internal/external corrosion. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water. The spill site will be remediated in accordance with an agreement with NMOCD.

Describe Area Affected and Cleanup Action Taken.*

Affected area is a 35' X 20' X .5" area of dry, hard, caliche road and pad. A vacuum truck picked up 3 bbls of crude oil and 7 bbls of produced water.

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: <i>Jeffrey S. King</i>	
Title: HSER Lead		Approval Date: 05/12/10	Expiration Date: 07/12/10
E-mail Address: John.W.Gates@conocophillips.com		Conditions of Approval: SUBMIT FINAL	
Date: 3/16/10	Phone: 505.391.3158	C-141 BY 07/12/10	
		Attached ☐ IRP-10-5-2522	

- Attach Additional Sheets If Necessary

Incident ID	
District RP	1RP-2522
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Charles Beauvais

Title: Environmental Coordinator

Signature: Charles R. Beauvais 99

Date: 10/15/2020

email: charles.r.beauvais@conocophillips.com

Telephone: 575-988-2043

OCD Only

Received by: Jocelyn Harimon

Date: 04/14/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: closure not approved

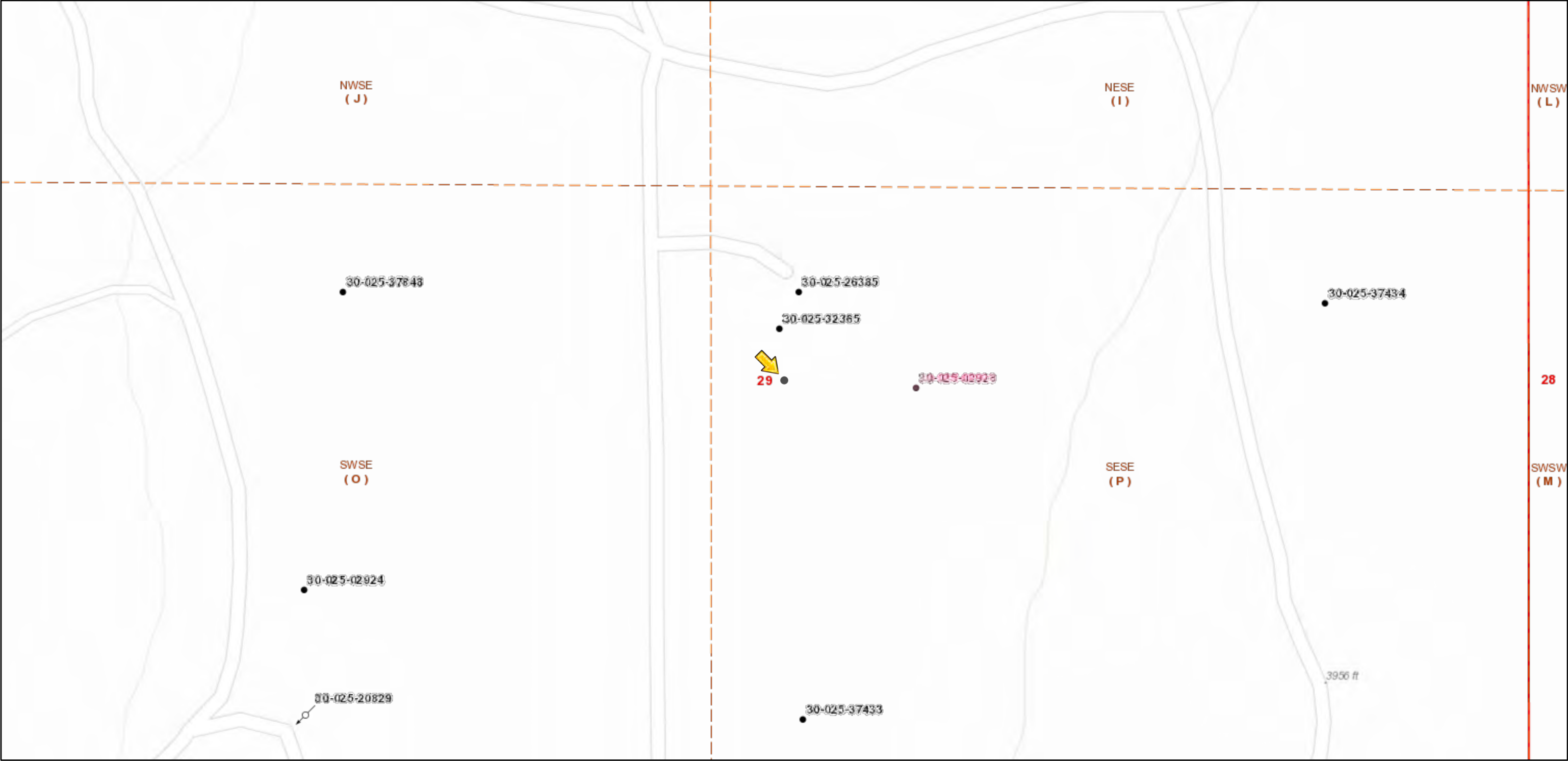
Date: 04/14/2023

Printed Name: Jocelyn Harimon

Title: Environmental Specialist

ATTACHMENT B
Site Characterization Data

1RP-2522



7/27/2020, 4:42:52 PM

- Override 1
- Wells - Large Scale

undefined

Miscellaneous

CO2, Active

CO2, Cancelled

CO2, New

CO2, Plugged

CO2, Temporarily Abandoned

Gas, Active

Gas, Cancelled

Gas, New

Gas, Plugged

Gas, Temporarily Abandoned

Injection, Active

Injection, Cancelled

Injection, New

Injection, Plugged

Injection, Temporarily Abandoned

Oil, Active

Oil, Cancelled

Oil, New

Oil, Plugged

Oil, Temporarily Abandoned

- Salt Water Injection, Active

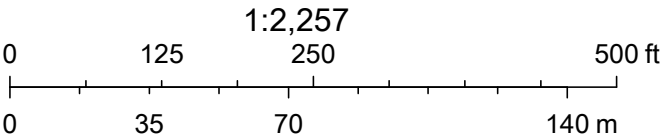
Salt Water Injection, Cancelled

Salt Water Injection, New

Salt Water Injection, Plugged

Salt Water Injection, Temporarily Abandoned

Water, Active



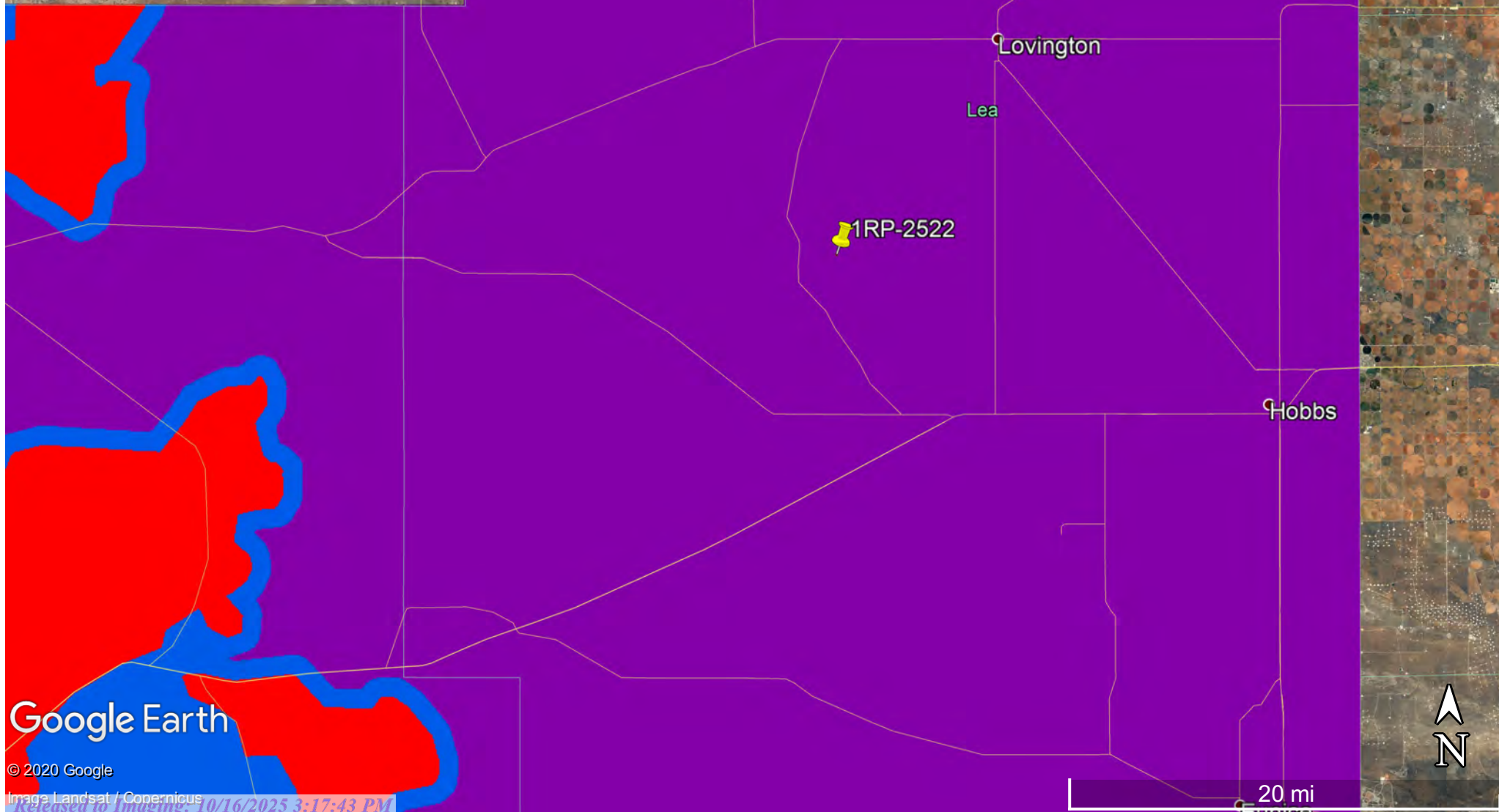
Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

KARST POTENTIAL MAP

1RP-2522

Legend

-  1RP-2522
-  High
-  Low
-  Medium



Google Earth

© 2020 Google

Image Landsat / Copernicus



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04829 S4	L	LE		2	3	29	17S	35E		642121	3630598*	703	200	90	110

Average Depth to Water: **90 feet**

Minimum Depth: **90 feet**

Maximum Depth: **90 feet**

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 642763

Northing (Y): 3630310

Radius: 800

*UTM location was derived from PLSS - see Help

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

9/16/20 2:51 PM

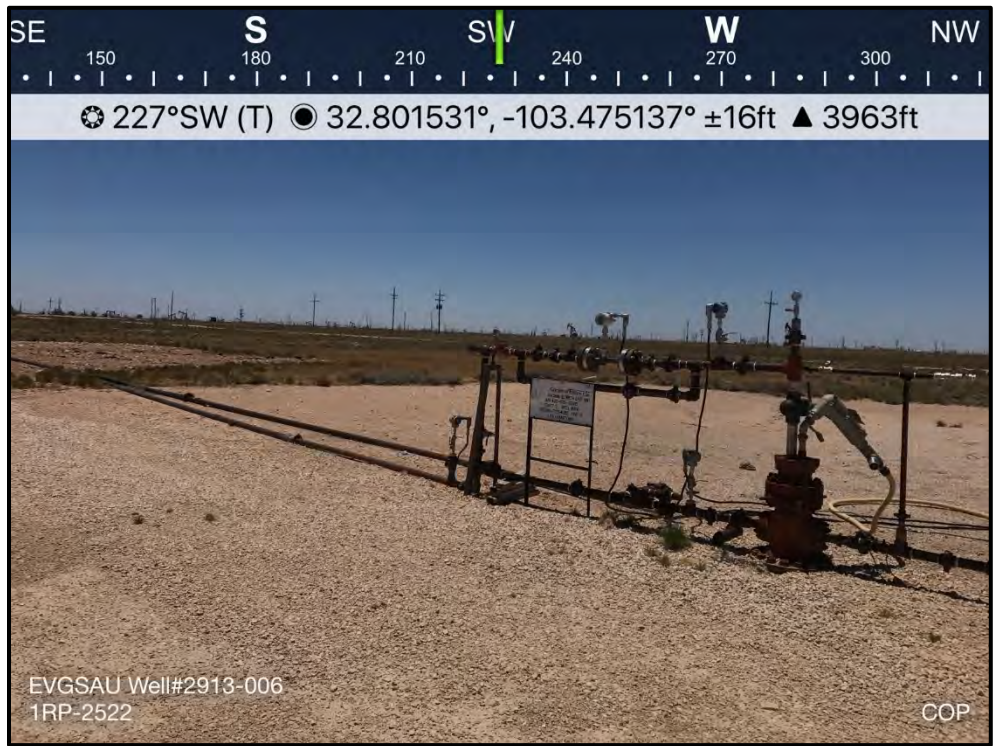
Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

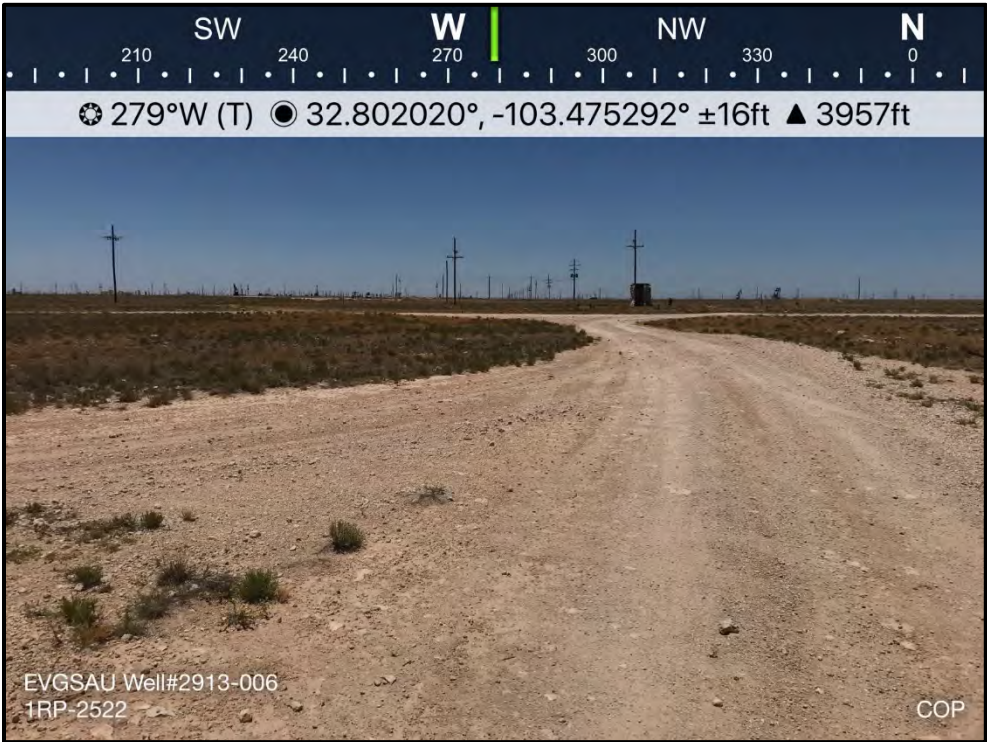
ATTACHMENT C
Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northeast of well head.	1
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing southwest of release area.	2
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



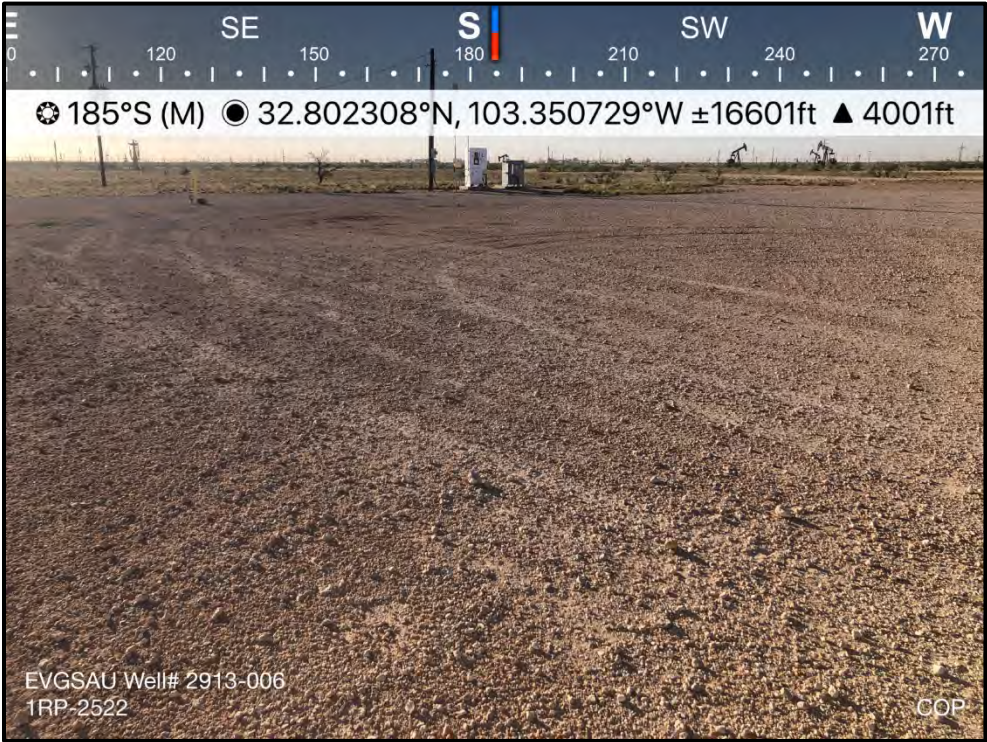
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of release area.	3
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing southeast of release area.	4
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of well head.	5
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing south of well pad area.	6
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of well pad area.	7
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northeast on well pad area.	8
	SITE NAME	EVGSAU Well #2913-006 Flowline Release	6/8/2020

Appendix F

Laboratory Reports



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

August 08, 2025

TOM BYNUM

SAPEC-ECO,LLC

5846 E 21ST PLACE

TULSA, OK 74114

RE: EAST VACUUM (GSA) UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 08/04/25 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 1 - SURFACE (H254747-01)

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	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	08/05/2025	ND	432	108	400	0.00	QM-07	

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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 1 - 1' (H254747-02)

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	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 2' (H254747-03)

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	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.8 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 3' (H254747-04)

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	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 1 - 4' (H254747-05)

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	08/05/2025	ND	1.79	89.3	2.00	2.93	
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29	
Total BTEX	<0.300	0.300	08/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - SURFACE (H254747-06)

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	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTEx	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 1' (H254747-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 2' (H254747-08)

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	08/05/2025	ND	1.79	89.3	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2025	ND	1.87	93.7	2.00	2.70		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	95.8	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.82	96.9	6.00	3.29		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/05/2025	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	08/05/2025	ND	199	99.3	200	4.62	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	195	97.7	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 70.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 2 - 3' (H254747-09)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 2 - 4' (H254747-10)

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	08/05/2025	ND	1.91	95.7	2.00	7.54	
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67	
Total BTEX	<0.300	0.300	08/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - SURFACE (H254747-11)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 1' (H254747-12)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 3 - 2' (H254747-13)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 3' (H254747-14)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 3 - 4' (H254747-15)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - SURFACE (H254747-16)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEx	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 4 - 1' (H254747-17)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 2' (H254747-18)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 3' (H254747-19)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.2 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 4 - 4' (H254747-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.8 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - SURFACE (H254747-21)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - 1' (H254747-22)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	672	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 5 - 2' (H254747-23)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	240	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 100 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 5 - 3' (H254747-24)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	528	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 5 - 4' (H254747-25)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.8 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - SURFACE (H254747-26)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	32.0	16.0	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - 1' (H254747-27)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	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	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 6 - 2' (H254747-28)

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	08/05/2025	ND	1.91	95.7	2.00	7.54		
Toluene*	<0.050	0.050	08/05/2025	ND	1.95	97.4	2.00	8.44		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.92	96.1	2.00	7.91		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.97	99.4	6.00	7.67		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	08/05/2025	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	08/05/2025	ND	237	119	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	232	116	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 6 - 3' (H254747-29)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 6 - 4' (H254747-30)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - SURFACE (H254747-31)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 7 - 1' (H254747-32)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2025	ND	1.95	97.5	2.00	1.42	
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80	
Total BTX	<0.300	0.300	08/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 7 - 2' (H254747-33)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2025	ND	1.95	97.5	2.00	1.42	
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80	
Total BTX	<0.300	0.300	08/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 7 - 3' (H254747-34)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTX	<0.300	0.300	08/05/2025	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	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.1 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 7 - 4' (H254747-35)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTX	<0.300	0.300	08/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - SURFACE (H254747-36)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTX	<0.300	0.300	08/05/2025	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	64.0	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 8 - 1' (H254747-37)

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	08/05/2025	ND	1.95	97.5	2.00	1.42	
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80	
Total BTEx	<0.300	0.300	08/05/2025	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	64.0	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 59.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 54.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 8 - 2' (H254747-38)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 64.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.2 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 8 - 3' (H254747-39)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	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	192	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.2 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 8 - 4' (H254747-40)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	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	208	16.0	08/05/2025	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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - SURFACE (H254747-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTX	<0.300	0.300	08/05/2025	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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 1' (H254747-42)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEX	<0.300	0.300	08/05/2025	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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 2' (H254747-43)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTX	<0.300	0.300	08/05/2025	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	496	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 3' (H254747-44)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 9 - 4' (H254747-45)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTX	<0.300	0.300	08/05/2025	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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 10 - SURFACE (H254747-46)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 1' (H254747-47)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEx	<0.300	0.300	08/05/2025	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	288	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 2' (H254747-48)

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	08/05/2025	ND	1.95	97.5	2.00	1.42		
Toluene*	<0.050	0.050	08/05/2025	ND	2.00	100	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	2.00	99.8	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	6.26	104	6.00	1.80		
Total BTEX	<0.300	0.300	08/05/2025	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	368	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	196	98.2	200	2.55	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	220	110	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 10 - 3' (H254747-49)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	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	128	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 10 - 4' (H254747-50)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 11 - SURFACE (H254747-51)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 11 - 1' (H254747-52)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 11 - 2' (H254747-53)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 11 - 3' (H254747-54)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.7 % 40.6-153

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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 11 - 4 (H254747-55)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 12 - SURFACE (H254747-56)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 12 - 1' (H254747-57)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 58.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 12 - 2' (H254747-58)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 12 - 3' (H254747-59)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 12 - 4' (H254747-60)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 13 - SURFACE (H254747-61)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 13 - 1' (H254747-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 13 - 2' (H254747-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 13 - 3' (H254747-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 13 - 4' (H254747-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEx	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 14 - SURFACE (H254747-66)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 14 - 1' (H254747-67)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTEX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 14 - 2' (H254747-68)

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	08/05/2025	ND	1.58	78.9	2.00	9.30		
Toluene*	<0.050	0.050	08/05/2025	ND	1.68	84.0	2.00	7.11		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.71	85.4	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.06	84.3	6.00	5.28		
Total BTX	<0.300	0.300	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/06/2025	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	08/05/2025	ND	216	108	200	1.57	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	193	96.6	200	0.904	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 14 - 3' (H254747-69)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTX	<0.300	0.300	08/05/2025	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	96.0	16.0	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 14 - 4' (H254747-70)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTX	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 70.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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 black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-49

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526385.00

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) COMP.

CONTAINERS

MATRIX

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

PRESERV.

SAMPLING

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

Handwritten notes: 1-2-3-4-5-6-7-8-9-10

1-Surface
1-1'
1-2'
1-3'
1-4'
2-Surface
2-1'
2-2'
2-3'
2-4'

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G 1
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Relinquished By: [Signature]

Date:

8/4/25

Received By:

[Signature]

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

Relinquished By: [Signature]

Time:

1:00

Received By:

[Signature]

REMARKS:

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

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Handwritten notes: 4.30 / 4.03, 4.60 / #140

Sample Condition

Cool ☒ Intact ☒

Yes Yes

No No

CHECKED BY:
(Initials)

Handwritten initials: AT

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 4-49

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526385.00

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)

4254707

41

9-Surface

G

1

X

X

7/30/2025

10:40

X

X

X

42

9-1'

G

1

X

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7/30/2025

10:45

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X

X

43

9-2'

G

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7/30/2025

10:50

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X

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44

9-3'

G

1

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7/30/2025

11:00

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45

9-4'

G

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7/30/2025

11:05

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46

10-Surface

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7/30/2025

11:10

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47

10-1'

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7/30/2025

11:15

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7/30/2025

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10-3'

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7/30/2025

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10-4'

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7/30/2025

11:30

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Relinquished By:

Date:

8/4/25

Received By:

Apex

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

REMARKS:

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

Relinquished By:

Date:

8/4/25

Received By:

Apex

TAT -- Standard

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

43-1/4-3-
400-#140

Sample Condition

Co ☐ Intact ☒

Yes Yes

No

No

CHECKED BY:

(Initials)

AP

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



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

August 08, 2025

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

RE: EAST VACUUM (GSA) UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 08/04/25 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 15 - SURFACE (H254748-01)

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	08/05/2025	ND	1.49	74.7	2.00	15.0	
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0	
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85	
Total BTX	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 15 - 1' (H254748-02)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEx	<0.300	0.300	08/05/2025	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	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 64.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.3 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 15 - 2' (H254748-03)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEX	<0.300	0.300	08/05/2025	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	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 68.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.2 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 15 - 3' (H254748-04)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEx	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 66.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.2 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 15 - 4' (H254748-05)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTX	<0.300	0.300	08/05/2025	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	<16.0	16.0	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 16 - SURFACE (H254748-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTX	<0.300	0.300	08/05/2025	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	08/06/2025	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	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 16 - 1' (H254748-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTX	<0.300	0.300	08/05/2025	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	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 64.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.4 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 16 - 2' (H254748-08)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEX	<0.300	0.300	08/05/2025	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	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 62.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 07/30/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: 16 - 3' (H254748-09)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEx	<0.300	0.300	08/05/2025	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	08/06/2025	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 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:	08/04/2025	Sampling Date:	07/30/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: 16 - 4' (H254748-10)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEX	<0.300	0.300	08/05/2025	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	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 40.6-153

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Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H1 - SURFACE (H254748-11)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEX	<0.300	0.300	08/05/2025	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	80.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 60.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 57.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H1 - 1' (H254748-12)

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	08/05/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/05/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/05/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/05/2025	ND	5.13	85.5	6.00	9.85		
Total BTEx	<0.300	0.300	08/05/2025	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	80.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H1 - 2' (H254748-13)

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	08/06/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/06/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.13	85.5	6.00	9.85		
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: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.4 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H1 - 3' (H254748-14)

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	08/06/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/06/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.13	85.5	6.00	9.85		
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: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H1 - 4' (H254748-15)

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	08/06/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/06/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.13	85.5	6.00	9.85		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H2 - SURFACE (H254748-16)

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	08/06/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/06/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.13	85.5	6.00	9.85		
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: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H2 - 1' (H254748-17)

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	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/06/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.13	85.5	6.00	9.85		
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: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H2 - 2' (H254748-18)

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	08/06/2025	ND	1.49	74.7	2.00	15.0		
Toluene*	<0.050	0.050	08/06/2025	ND	1.60	80.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.67	83.5	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.13	85.5	6.00	9.85		
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: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	226	113	200	2.14	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	231	115	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H2 - 3' (H254748-19)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	96.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H2 - 4' (H254748-20)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H3 - SURFACE (H254748-21)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	112	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.2 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H3 - 1' (H254748-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	96.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H3 - 2' (H254748-23)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	112	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H3 - 3' (H254748-24)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	96.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H3 - 4' (H254748-25)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H4 - SURFACE (H254748-26)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	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	80.0	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H4 - 1' (H254748-27)

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	08/06/2025	ND	1.54	77.2	2.00	9.77	
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50	
Total BTEX	<0.300	0.300	08/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H4 - 2' (H254748-28)

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	08/06/2025	ND	1.54	77.2	2.00	9.77	
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50	
Total BTEX	<0.300	0.300	08/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	112	16.0	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H4 - 3' (H254748-29)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	08/06/2025	ND	432	108	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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H4 - 4' (H254748-30)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H5 - SURFACE (H254748-31)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H5 - 1' (H254748-32)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H5 - 2' (H254748-33)

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	08/06/2025	ND	1.54	77.2	2.00	9.77	
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50	
Total BTEX	<0.300	0.300	08/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H5 - 3' (H254748-34)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H5 - 4' (H254748-35)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H6 - SURFACE (H254748-36)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEx	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H6 - 1' (H254748-37)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H6 - 2' (H254748-38)

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	08/06/2025	ND	1.54	77.2	2.00	9.77		
Toluene*	<0.050	0.050	08/06/2025	ND	1.65	82.4	2.00	7.28		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.69	84.6	2.00	5.76		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.03	83.8	6.00	5.50		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 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	112	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	210	105	200	1.69	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.9	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H6 - 3' (H254748-39)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	112	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H6 - 4' (H254748-40)

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	08/06/2025	ND	1.71	85.5	2.00	9.57	
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95	
Total BTEX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H7 - SURFACE (H254748-41)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H7 - 1' (H254748-42)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEx	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H7 - 2' (H254748-43)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 102 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H7 - 3' (H254748-44)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
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	80.0	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H7 - 4' (H254748-45)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	112	16.0	08/06/2025	ND	400	100	400	7.69		

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H8 - SURFACE (H254748-46)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H8 - 1' (H254748-47)

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	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTX	<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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H8 - 2' (H254748-48)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H8 - 3' (H254748-49)

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	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/07/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/07/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/07/2025	ND	5.55	92.5	6.00	3.95		
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: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/06/2025	ND	400	100	400	7.69	

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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H8 - 4' (H254748-50)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
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: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/06/2025	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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.6 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H9 - SURFACE (H254748-51)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEx	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	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	08/05/2025	ND	211	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H9 - 1' (H254748-52)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 103 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H9 - 2' (H254748-53)

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	08/06/2025	ND	1.71	85.5	2.00	9.57	
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95	
Total BTEX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.6 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H9 - 3' (H254748-54)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEx	<0.300	0.300	08/06/2025	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	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.5 % 40.6-153

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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H9 - 4' (H254748-55)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	80.0	16.0	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H10 - SURFACE (H254748-56)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEx	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H10 - 1' (H254748-57)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
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: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H10 - 2' (H254748-58)

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	08/06/2025	ND	1.71	85.5	2.00	9.57		
Toluene*	<0.050	0.050	08/06/2025	ND	1.79	89.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.83	91.4	2.00	4.62		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.55	92.5	6.00	3.95		
Total BTEX	<0.300	0.300	08/06/2025	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	80.0	16.0	08/06/2025	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	106	200	6.04	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	200	99.8	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H10 - 3' (H254748-59)

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	08/06/2025	ND	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
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: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H10 - 4' (H254748-60)

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	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
Total BTX	<0.300	0.300	08/06/2025	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	96.0	16.0	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H11 - SURFACE (H254748-61)

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	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
Total BTEX	<0.300	0.300	08/06/2025	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	80.0	16.0	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H11 - 1' (H254748-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2025	ND	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
Total BTEX	<0.300	0.300	08/06/2025	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	64.0	16.0	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H11 - 2' (H254748-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2025	ND	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
Total BTEX	<0.300	0.300	08/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 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:	08/04/2025	Sampling Date:	08/01/2025
Reported:	08/08/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	SAPEC PROJECT 4-49(NGRL 1013255165	Sample Received By:	Alyssa Parras
Project Location:	LEA CO NM		

Sample ID: H11 - 3' (H254748-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2025	ND	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
Total BTEX	<0.300	0.300	08/06/2025	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	80.0	16.0	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.4 % 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: 08/04/2025
Reported: 08/08/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: SAPEC PROJECT 4-49(NGRL 1013255165
Project Location: LEA CO NM

Sampling Date: 08/01/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: H11 - 4' (H254748-65)

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	1.71	85.4	2.00	5.66		
Toluene*	<0.050	0.050	08/06/2025	ND	1.82	90.8	2.00	2.79		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.86	92.9	2.00	0.875		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.72	95.4	6.00	0.651		
Total BTX	<0.300	0.300	08/06/2025	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	80.0	16.0	08/06/2025	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	08/05/2025	ND	189	94.3	200	0.323	
DRO >C10-C28*	<10.0	10.0	08/05/2025	ND	214	107	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	08/05/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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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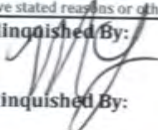
A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC										BILL TO										Analysis Request																			
Project Manager: Tom Bynum -- tombynum@sapec-eco.com										P.O. #: NM02526385.00										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 4-49 Project Owner: Diversified Energy										City:																													
Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165										State: Zip:																													
Project Location: Lea County, NM										Phone #:																													
Sampler Name: Marisa Loya										Fax #:																													
FOR LAB USE ONLY Lab I.D.										Sample I.D.																													
										(G)RAB OR (C)OMP. # CONTAINERS																													
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :																													
										ACID/BASE: ICE / COOL OTHER :																													
										DATE TIME																													
15-Surface										G 1										X																			
15-1'										G 1										X																			
15-2'										G 1										X																			
15-3'										G 1										X																			
15-4'										G 1										X																			
16-Surface										G 1										X																			
16-1'										G 1										X																			
16-2'										G 1										X																			
16-3'										G 1										X																			
16-4'										G 1										X																			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																							
Relinquished By: 										Date: 8.4.25										Received By: 										Phone Result: Yes ☐ No ☐									
Relinquished By:										Time: 1000										Received By:										Fax Result: Yes ☐ No ☐									
										Date:																				REMARKS:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4-3- / 4-6- / #140										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										BILL TO				Analysis Request												
Project Manager: Tom Bynum -- tombynum@sapec-eco.com										P.O. #: NM02526385.00				BTEX (802 LB) 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 4-49 Project Owner: Diversified Energy										City:																
Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165										State: Zip:																
Project Location: Lea County, NM										Phone #:																
Sampler Name: Marisa Loya										Fax #:																
FOR LAB USE ONLY Lab I.D.										MATRIX		PRESERV.		SAMPLING												
		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
1255748		H3-Surface		G	1			X					X		8/1/2025	2:10	X	X	X							
22		H3-1'		G	1			X					X		8/1/2025	2:15	X	X	X							
23		H3-2'		G	1			X					X		8/1/2025	2:20	X	X	X							
24		H3-3'		G	1			X					X		8/1/2025	3:25	X	X	X							
25		H3-4'		G	1			X					X		8/1/2025	3:30	X	X	X							
26		H4-Surface		G	1			X					X		8/1/2025	3:35	X	X	X							
27		H4-1'		G	1			X					X		8/1/2025	3:40	X	X	X							
28		H4-2'		G	1			X					X		8/1/2025	3:45	X	X	X							
29		H4-3'		G	1			X					X		8/1/2025	3:50	X	X	X							
30		H4-4'		G	1			X					X		8/1/2025	3:59	X	X	X							

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Relinquished By:	Date:	Received By:	Phone Result: Yes ☐ No ☐	Add'l Phone #:
	8-4-25		Fax Result: Yes ☐ No ☐	Add'l Fax #:
Relinquished By:	Time: 1:00	Received By:	REMARKS:	
	Date:		Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	TAT -- Standard	
Sampler - UPS - Bus - Other: 4.30 / C-03, 4.42 / #140	Cool ☒ Intact ☒ Yes Yes No No	(Initials)		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-49

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526385.00

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 :

ACID/BASE:

ICE / COOL

OTHER :

PRESERV.

SAMPLING

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

32
33
34
35
36
37
38
39
40

H5-Surface
H5-1'
H5-2'
H5-3'
H5-4'
H6-Surface
H6-1'
H6-2'
H6-3'
H6-4'

G
G
G
G
G
G
G
G
G
G

1
1
1
1
1
1
1
1
1
1

X

X

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Relinquished By:

[Signature]

Date:

8/1/25

Received By:

[Signature]

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Relinquished By:

Time:

1:00

Received By:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

REMARKS:

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

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

4:30 - C-40-3-
4:40 - #140

Sample Condition

Code ☐ Intact ☐

Yes Yes

No

CHECKED BY:

(Initials)

[Signature]

TAT -- Standard

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC		BILL TO		Analysis Request														
Project Manager: Tom Bynum -- tombynum@sapec-eco.com		P.O. #: NM02526385.00		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 4-49 Project Owner: Diversified Energy		City:																
Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165		State: Zip:																
Project Location: Lea County, NM		Phone #:																
Sampler Name: Marisa Loya		Fax #:																
FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX							PRESERV.		SAMPLING		DATE	TIME	BTEX (8021B)	TPH (8015M)	Chlorides (SM4500CL-B)
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :							
H254148	H7-Surface	G 1			X					X				8/1/2025	9:00	X	X	X
42	H7-1'	G 1			X					X				8/1/2025	5:05	X	X	X
43	H7-2'	G 1			X					X				8/1/2025	5:10	X	X	X
44	H7-3'	G 1			X					X				8/1/2025	5:15	X	X	X
45	H7-4'	G 1			X					X				8/1/2025	5:20	X	X	X
46	H8-Surface	G 1			X					X				8/1/2025	5:25	X	X	X
47	H8-1'	G 1			X					X				8/1/2025	5:30	X	X	X
48	H8-2'	G 1			X					X				8/1/2025	5:35	X	X	X
49	H8-3'	G 1			X					X				8/1/2025	5:40	X	X	X
50	H8-4'	G 1			X					X				8/1/2025	5:45	X	X	X

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Relinquished By: <i>[Signature]</i>	Date: 8-4-25	Received By: <i>[Signature]</i>	Phone Result: Yes ☐ No ☐	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Time: 1:00	Received By:	Fax Result: Yes ☐ No ☐	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4-3-1 C-42-3-1 4-4-1 #140			REMARKS: Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)	
Sample Condition Cool ☒ Intact ☒ Yes Yes No No			CHECKED BY: (Initials) <i>[Signature]</i>	

† 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										BILL TO				Analysis Request																							
Project Manager: Tom Bynum -- tombynum@sapec-eco.com										P.O. #: NM02526385.00																											
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 4-49 Project Owner: Diversified Energy										City:																											
Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165										State: Zip:																											
Project Location: Lea County, NM										Phone #:																											
Sampler Name: Marisa Loya										Fax #:																											
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		BTEX (8021B)		TPH (8015M)		Chlorides (SM4500Cl-B)															
										GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME							
H250748																																					
51		H9-Surface				G		1						X										X		8/1/2025		6:00		X		X		X			
52		H9-1'				G		1						X										X		8/1/2025		6:05		X		X		X			
53		H9-2'				G		1						X										X		8/1/2025		6:10		X		X		X			
54		H9-3'				G		1						X										X		8/1/2025		6:15		X		X		X			
55		H9-4'				G		1						X										X		8/1/2025		6:20		X		X		X			
56		H10-Surface				G		1						X										X		8/1/2025		6:25		X		X		X			
57		H10-1'				G		1						X										X		8/1/2025		6:30		X		X		X			
58		H10-2'				G		1						X										X		8/1/2025		6:35		X		X		X			
59		H10-3'				G		1						X										X		8/1/2025		6:40		X		X		X			
60		H10-4'				G		1						X										X		8/1/2025		6:45		X		X		X			
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Relinquished By:						Date:		Received By:						Phone Result: Yes ☐ No ☐						Add'l Phone #:																	
Relinquished By:						Time: 8:45		Received By:						Fax Result: Yes ☐ No ☐						Add'l Fax #:																	
Relinquished By:						Date:		REMARKS:						Bill to Tetra Tech, Inc, for Diversified Energy (Maverick)																							
Delivered By: (Circle One)										Sample Condition										CHECKED BY:										TAT -- Standard							
Sampler - UPS - Bus - Other:										Coo ☐ Intact ☒										(Initials)																	
4.3.1 / 4.0.3.1										Yes ☐ No ☐										AP																	
4.0.1 / #140										Yes ☐ No ☐																											

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240(575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tombynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

State: OK

Zip: 73568

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-49

Project Owner: Diversified Energy

Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: NM02526385.00

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 :

ACID/BASE:

ICE / COOL

OTHER :

PRESERV.

SAMPLING

DATE

TIME

BTEX (8021B)

TPH (8015M)

Chlorides (SM4500Cl-B)

H254708
61
62
63
64
65

H11-Surface

H11-1'

H11-2'

H11-3'

H11-4'

G

1

X

X

8/1/2025

7:00

X

X

X

G

1

X

X

8/1/2025

7:05

X

X

X

G

1

X

X

8/1/2025

7:10

X

X

X

G

1

X

X

8/1/2025

7:15

X

X

X

G

1

X

X

8/1/2025

7:20

X

X

X

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Relinquished By:

Date:

8-4-25

Received By:

APR

Relinquished By:

Time:

1:00

Received By:

Date:

Phone Result: Yes ☐ No ☐

Add'l Phone #:

Fax Result: Yes ☐ No ☐

Add'l Fax #:

REMARKS:

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

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

4-3- / C-60-3-
6-6- / #10

Sample Condition

Cool ☐ Intact ☒

Yes ☐ Yes ☒

No ☐ No ☐

CHECKED BY:
(Initials)

APR

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

September 12, 2025

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

RE: EAST VACUUM (GSA) UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 09/08/25 13:13.

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:	09/08/2025	Sampling Date:	09/08/2025
Reported:	09/12/2025	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	4-49(NGRL 1013255165)	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: 1-6" (H255589-01)

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	09/10/2025	ND	1.94	96.8	2.00	0.290	
Toluene*	<0.050	0.050	09/10/2025	ND	2.31	116	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/10/2025	ND	2.45	122	2.00	2.10	
Total Xylenes*	<0.150	0.150	09/10/2025	ND	7.65	127	6.00	1.93	
Total BTEX	<0.300	0.300	09/10/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/09/2025	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	09/09/2025	ND	186	93.1	200	0.337	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	163	81.6	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W1-6" (H255589-02)

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	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEx	<0.300	0.300	09/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/09/2025	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	09/09/2025	ND	186	93.1	200	0.337	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	163	81.6	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 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: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: 2-3' (H255589-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEx	<0.300	0.300	09/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	272	16.0	09/09/2025	ND	416	104	400	7.41	QM-07	

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	09/09/2025	ND	186	93.1	200	0.337	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	163	81.6	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W2-3' (H255589-04)

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	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEX	<0.300	0.300	09/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/09/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	186	93.1	200	0.337	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	163	81.6	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 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: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: 3-3.5' (H255589-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEX	<0.300	0.300	09/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/09/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	186	93.1	200	0.337	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	163	81.6	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W3-3.5' (H255589-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.0	2.00	1.06	
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83	
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62	
Total BTEX	<0.300	0.300	09/09/2025	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	272	16.0	09/09/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	186	93.1	200	0.337	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	163	81.6	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: 4-3.5' (H255589-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.0	2.00	1.06	
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83	
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62	
Total BTEX	<0.300	0.300	09/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	201	100	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 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: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W4-3.5' (H255589-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEX	<0.300	0.300	09/09/2025	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	128	16.0	09/09/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	201	100	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W5-3.5' (H255589-09)

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	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEx	<0.300	0.300	09/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/09/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	201	100	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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Analytical Results For:

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

Received: 09/08/2025
Reported: 09/12/2025
Project Name: EAST VACUUM (GSA) UNIT #006
Project Number: 4-49(NGRL 1013255165)
Project Location: LEA CO NM

Sampling Date: 09/08/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W6-3.5' (H255589-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	09/09/2025	ND	1.96	98.1	2.00	1.88		
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.99	99.5	2.00	1.83		
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.95	99.1	6.00	1.62		
Total BTEX	<0.300	0.300	09/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	201	100	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Sapec-Eco, LLC

Project Manager: Tom Bynum -- tobynum@sapec-eco.com

Address: 311 N Elm St

City: Temple

Phone #: (580) 748-1613 Fax #:

Project #: Sapec Project 4-49

Project Name: East Vacuum (GSA) Unit #006 -- NGRL1013255165

Project Location: Lea County, NM

Sampler Name: Marisa Loya

BILL TO

P.O. #: 1237544.01 (Bill Category 1017)

Company: Tetra Tech, Inc.

Attn: Chuck Terhune

Address:

City:

State: Zip:

Phone #:

Fax #:

Analysis Request

Project Location: Lea County, NM		Sample Name: Marisa Loya		MATRIX										PRESERV.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Relinquished By: [Signature] Date: 9-8-25 Received By: [Signature]

Relinquished By: [Signature] Time: 3:13 Date: 9-8-25

Delivered By: (Circle One) 3-8: C+O-3:
Sampler - UPS - Bus - Other: 4:1: #140

Sample Condition
Cool ☒ Intact ☒
Yes Yes No No

CHECKED BY:
(Initials)
[Signature]

Phone Result: Yes ☐ No ☐ Add'l Phone #:
Fax Result: Yes ☐ No ☐ Add'l Fax #:

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

TAT -- Standard

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

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 515727

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 515727
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL1013255165
Incident Name	NGRL1013255165 EAST VACUUM (GSA) UNIT #006 @ 30-025-26385
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-26385] EAST VACUUM (GSA) UNIT #006

Location of Release Source

Please answer all the questions in this group.

Site Name	EAST VACUUM (GSA) UNIT #006
Date Release Discovered	03/14/2010
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 7 BBL Recovered: 7 BBL Lost: 0 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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Phone: (505) 476-3441

General Information
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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, Page 2

Action 515727

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID:
	331199
	Action Number:
	515727
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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 10/15/2025
--	--

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, Page 3

Action 515727

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 515727
	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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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)	1560
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	953
GRO+DRO (EPA SW-846 Method 8015M)	927
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	8894
What is the estimated volume (in cubic yards) that will be remediated	1318
<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>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 515727

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 515727
	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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 10/15/2025
<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 515727

QUESTIONS (continued)

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	Action Number: 515727
	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 515727

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID:
	331199
	Action Number:
	515727
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	502655
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/08/2025
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5400
What was the total volume (cubic yards) remediated	60
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	None
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 10/15/2025

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QUESTIONS, Page 7

Action 515727

QUESTIONS (continued)

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	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 515727

CONDITIONS

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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	10/16/2025