



25A-02301

Remediation Work Plan

Todd 36 M State #013

API: 30-012-28815

Coordinates: 32.256648, -103.738927

Incident ID: NJMW1315051978 & 2RP-1669

Prepared for:

Devon Energy Production Corporation, LP

Prepared by:

Vertex Resource Services Inc.

Date:

April 2026

Devon Energy Production Company, LP

Todd 36 M State #013

Remediation Work Plan

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Todd 36 M State #013

API: 30-012-28815

Coordinates: 32.256648, -103.738927

Incident ID: NJMW1315051978 & 2RP-1669

On behalf of:

Devon Energy Production Company, LP

5215 Buena Vista Drive

Carlsbad, New Mexico 88220

Prepared for:

NMOCD Artesia District

506 West Texas Avenue

Artesia, New Mexico 88210

Prepared by:

Vertex Resource Services Inc.

3101 Boyd Drive

Carlsbad, New Mexico 88220

Katrina Taylor

Katrina Taylor, B.Sc.

ENVIRONMENTAL TECHNIAN, REPORTING

April 14, 2026

Date

Sally Carttar

Sally Carttar, B.A.

PROJECT MANAGER, REPORT REVIEW

April 14, 2026

Date

Executive Summary

Vertex Resource Services Inc. performed the initial site assessment on February 18, 2026, in which an area of interest (AOI) on the northwest of the production pad, around the steel above ground pipes was identified. Eleven delineation locations were sampled inside and around the area of interest to define the release area. Analytical results indicated that no soils exceeded Closure Criteria as defined in 19.15.29 NMAC Table 1.

The proposed remediation plan is to sample the defined release area with a 400 sq ft confirmation sampling grid. If any exceedances to closure criteria are found during confirmation sampling, the area will be remediated in compliance with New Mexico Oil Conservation Division (NMOCD) standards.

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1.0 Introduction

Devon Energy Production Company, LP (Devon) retained Vertex Resource Services Inc. (Vertex) to complete an Initial Site Assessment and Remediation Work Plan for Todd 36 M State #013 (the "site"; API #: 30-012-28815). This Remediation Work Plan provides a description of the actions conducted to date and proposes remediation activities.

2.0 Background

2.1 Site Description

The site is an active production pad for oil and gas operations (Figure 1). The surface is owned by the Bureau of Land management (BLM) and subsurface minerals are owned by the State of New Mexico. The site is located in Eddy County, approximately 20.8 miles west of Loving, New Mexico, at Unit M, Section 36, Township 23 South, Range 31 East. The site is situated on the top of a gradual hill surrounded by Loamy Sand plains with shrublands. The shrub land is dominated by shinnery oak and mesquite.

2.2 Open Environmental Incident Search

There are no additional open environmental incidents associated with the site according to a NMOCD Incidents and Spill search.

3.0 Site Evaluation

The incident occurred when a water transport driver ran over a steel flow line resulting in the release of approximately 4 barrels (bbl) of produced water and 6 bbl of oil onto the northwest edge of the well pad. The well was shut in immediately and a vacuum truck was dispatched to site to recover free fluids. No produced water or oil was recovered from the impacted area. Incident ID number NJMW1315051978 was assigned to this release. More information about the release can be found in the initial C-141 in Appendix A.

3.1 Closure Criteria Determination

On June 1, 2023, exploratory borehole C 04746 POD was advanced 0.29 miles east-southeast of the site to 105 feet below ground surface (bgs) to establish a depth-to-groundwater reference for closure criteria. Prior to drilling, an application was submitted to the New Mexico Office of the State Engineer to drill a Well with No Water Right at the proposed drill location near the release. No water was found at 105 feet bgs.

Based on Closure Criteria determination demonstrated in Appendix B and summarized in Table 2, suitable soils chemical concentrations (Closure Criteria per Table 1 of 19.15.29 NMAC) is defined as:

Table 1. Closure Criteria for Soils Impacted by a Release		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
> 100 feet	Chloride	20,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

Closure criteria is summarized by the following table.

Devon Energy Production Company, LP

Remediation Work Plan

Todd 36 M State #013

April 2026

Table 2. Closure Criteria Worksheet			
Site Name: Todd 36 M State #013			
Spill Coordinates:		X: 32.2566376	Y: -103.7389603
Site Specific Conditions		Value	Unit
1	Depth to Groundwater	>105	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	21,760	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	28,645	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	24,766	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	3,654	feet
	ii) Within 1000 feet of any fresh water well or spring	3,654	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	12,044	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	>500	year
11	Soil Type	Fine sand, sandy clay loam	
12	Ecological Classification	Loamy Sand	
13	Geology	Eolian and piedomont deposits	
NMAC 19.15.29.12 E (Table 1) Closure Criteria		>100'	<50' 51-100' >100'

3.2 Site Characterization

The site's initial site assessment occurred on February 18, 2026, by Vertex personnel. Daily Field Reports associated with the site visits are included in Appendix C. The caliche production pad is intact and allows for little to no vegetation growth. A combination of soil dispersion and field screening assisted personnel in selecting delineation points around the steel lines northwest of the pumpjack. Delineation for points TP26-01 through TP26-08 were test pits collected using mechanical equipment. Delineation points BH26-09 through BH26-11 were boreholes collected using hand augers. Delineation points are presented on Figure 1.

3.2.1 Release Area

The release area was defined as a 16,930 sq ft where soils are above NMOCD strictest criteria. It is horizontally delineated to strictest criteria by TP26-03, TP26-07, TP26-08, BH26-09, BH26-10, and BH26-11. Each horizontal delineation point was collected at 0, 1, 2, 3, and 4 ft bgs to ensure there was no pluming of contaminants in the reclamation zone (top 4 feet). The horizontal delineation confirms the release had no impact to the pastureland. To fulfill NMOCD's requirement of deep vertical delineation on historical releases, test pits TP26-01 and TP26-02 were collected in 1 ft increments to 9 and 10 ft bgs, respectively. No delineation points in the release area revealed contamination above the closure criteria established in Table 1. Delineation laboratory analysis is summarized in Table 3. Laboratory results are included in Appendix D.

4.0 Remediation Work Plan

No delineation points were found to be above closure criteria for chloride, BTEX, benzene, GRO + DRO, or TPH. As such, no excavation is planned to occur. The established release area of 16,930 sq ft will be confirmation sampled. Vertex requests a 400 sq ft variance for the release area.

Exceedances to closure criteria found during confirmation sampling will be excavated to meet closure criteria. Any excavated areas will be confirmation sampled from the excavation bases and walls representing an area no greater than 200 sq ft. Confirmation samples will be submitted for laboratory analysis of all 19.15.29 Table 1 constituents. Upon laboratory confirmation, a closure report will be submitted to NMOCD.

5.0 Proposed Schedule

Vertex requests 90 days from the review of this report to complete the remediation closure of the location with a 400 sq ft confirmation sampling variance of the release area. Questions or concerns about this report can be directed to the report reviewer Sally Carttar at 575.361.3561 or scarttar@vertexresource.com.

6.0 References

Google Inc. (2026). *Google Earth Pro (Version 7.3.3)* [Software]. Retrieved from <https://earth.google.com>

Griffith, G.E., Omernik, J.M., McGraw, M.M., Jacobi, G.Z., Canavan, C.M., Schrader, T.S., Mercer, D., Hill, R., and Moran, B.C. (2006). *Ecoregions of New Mexico*. Available at: <https://www.epa.gov/eco-research/ecoregion-download-files-state-region-6#pane-29>

Natural Resources Conservation Service. (2012, Reprint 2021). *Field Book for Describing and Sampling Soils Version 3.0*. National Soil Survey Center: Natural Resources Conservation Service. U.S. Department of Agriculture. Pg. 2-89. Retrieved from: <https://www.nrcs.usda.gov/sites/default/files/2022-09/field-book.pdf>

New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code – Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.

United States Department of Agriculture, Natural Resources Conservation Service. (2024). *Web Soil Survey*. Retrieved from: <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

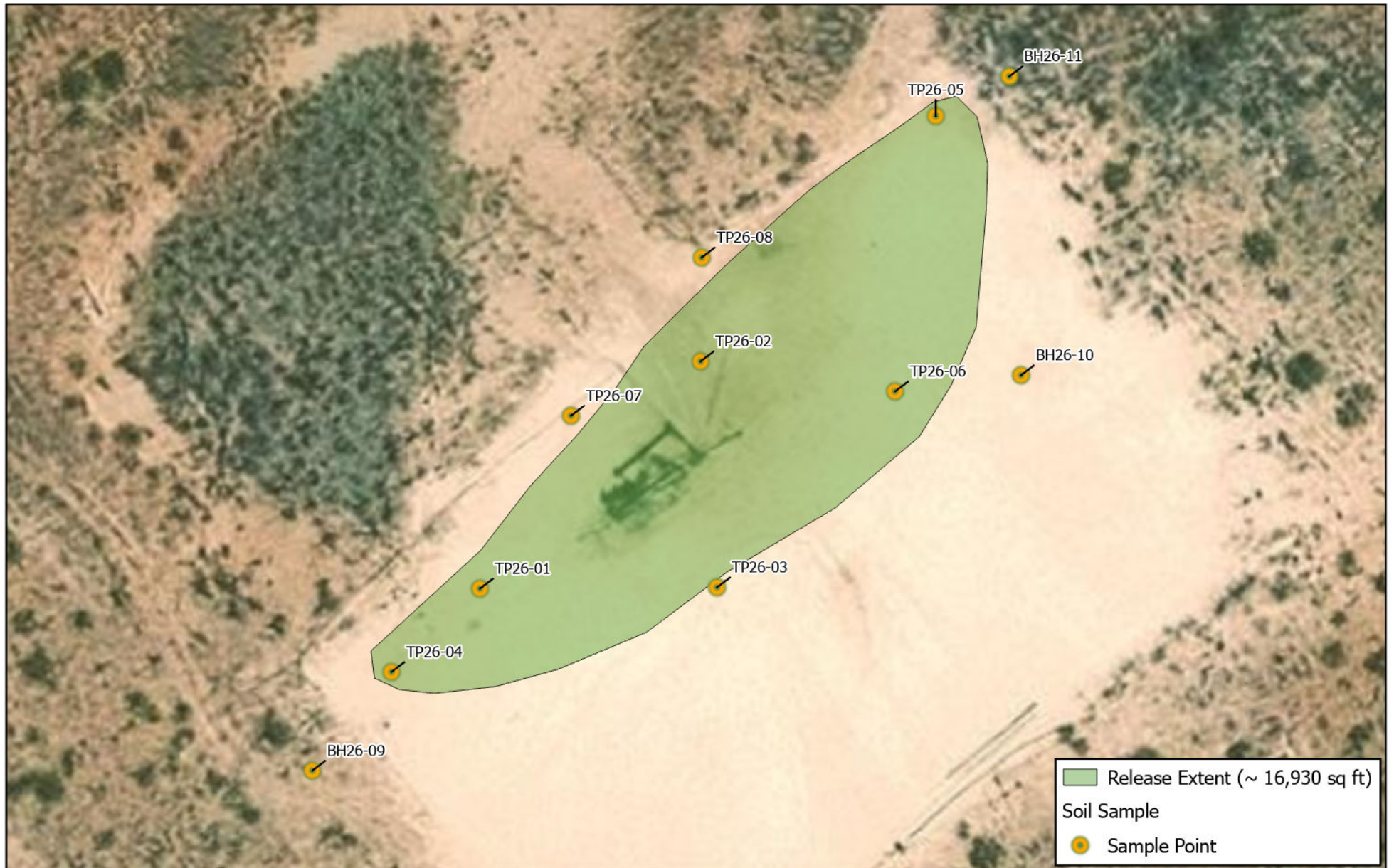
United States Fish and Wildlife Service, Ecological Services Program. (2025). *IPaC: Information for Planning and Consultation*. Retrieved from <https://ipac.ecosphere.fws.gov/location/index>

7.0 Limitations

This report has been prepared for the sole benefit of Devon Energy Production Company, LP. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon Energy Production Company, LP. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

FIGURES



Map Center:
 Lat/Long: 32.256683°N, 103.73899°W
 Date: Mar 29/26



Characterization Sampling Schematic
Todd 36 M State #013

FIGURE:
1



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

TABLES

Client Name: Devon Energy Production Company, LP

Site Name: Todd 36 M State #013

NM OCD Tracking #: nJMW1315051978

Project #: 25A-01301

Lab Reports: 855-43917-1, 855-43917-2, 855-43917-3, 885-44187-1, 885-44190-1, 885-45405-1, and 885-45406-1

Table 3. Initial Characterization Sample Laboratory Results - Depth to Groundwater >100 feet bgs

Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration (mg/kg)
			Benzene (mg/kg)	BTEX (Total) (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)	
TP25-01	0	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	96
	1	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	800
	2	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	3,800
	3	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	3,400
	4	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	3,900
	5	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	2,600
	6	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	1,600
	7	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	1,300
	8	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	610
	9	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	330
TP26-02	0	February 19, 2026	ND	ND	ND	260	190	260	350	11,000
	1	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	3,000
	2	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	9,200
	3	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	2,700
	4	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	9,500
	5	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	6,600
	6	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	3,900
	7	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	1,400
	8	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	1,700
	9	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	1,500
	10	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	920
TP26-03	0	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	1	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	3	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	53
	4	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	56
TP26-04	0	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	56
	1	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	87
	2	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	620
	3	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	320
	4	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	200
TP26-05	0	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	760
	1	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	680
	2	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	440
	3	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	390
	4	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	500



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Table 2. Initial Characterization Sample Laboratory Results - Depth to Groundwater >100 feet bgs

Sample Description			Petroleum Hydrocarbons							Inorganic	
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration	
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)		
											(mg/kg)
Depth to Groundwater >100 ft bgs											
TP26-06	0	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND	640
	1	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND	730
	2	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND	290
	3	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND	180
	4	February 19, 2026	ND	ND	ND	ND	ND	ND	ND	ND	96
TP26-07	0	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	190
	1	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	160
	2	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	220
	3	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	300
	4	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	340
TP26-08	0	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	370
	1	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	210
	2	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	280
	3	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	490
	4	February 20, 2026	ND	ND	ND	ND	ND	ND	ND	ND	450
BH26-09	0	March 14, 2026	ND	ND	ND	10	ND	10	10	ND	ND
	1	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	118
	3	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	180
	4	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	220
BH26-10	0	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	70
	1	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	270
	2	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	240
	3	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	320
	4	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	310
BH26-11	0	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	130
	1	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	98
	2	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	69
	3	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	61
	4	March 14, 2026	ND	ND	ND	ND	ND	ND	ND	ND	110

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Closure Criteria



APPENDIX A – Initial C-141

Released to Imaging 4/22/2013 11:35:43 AM

use updated form

Received by OCD: 4/15/2013 11:23:59 AM

District I
625 N. French Dr., Hobbs, NM 88240
District II
301 W. Grand Avenue, Artesia, NM 88210
District III
000 Rio Brazos Road, Aztec, NM 87410
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised March 17, 1999

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

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

JMW1315051978 OPERATOR Initial Report Final Report

Name of Company Devon Energy 6137 Contact Dan Suniga

Address P. O. Box 250 Telephone No. 575-746-5555

Artesia, NM 88211

Facility Name Todd 36M State No. 13 Facility Type Oil Well *Please include API #'s *

Surface Owner Mineral Owner Lease No.

LOCATION OF RELEASE

API #: 30-015-28815

Unit Letter M	Section 36	Township 23S	Range 31E	Feet from the 1090	North/South Line SOUTH	Feet from the 330	East/West Line WEST	County EDDY
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	----------------------	------------------------	----------------

NATURE OF RELEASE

Type of Release Oil/Produced Water Volume of Release 6 oil/ 4 w Volume Recovered 0/0

Source of Release Spill Date and Hour of Occurrence 5/24/13 10:00pm Date and Hour of Discovery 5/24/13 10:00pm

Was Immediate Notice Given? Yes No Not Required

If YES, To Whom? Mike Bratcher/OCD

By Whom? HUB PERRY ASST FOREMAN

Date and Hour 5/24/13 10:00pm

Was a Watercourse Reached? Yes No

If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully.*

CEIVED

MAY 29 2013

N/A

ARTESIA

Describe Cause of Problem and Remedial Action Taken.*

At the Todd 36-13 production location, a water transport driver ran over a steel flow line resulting in a spill of 6bbls of oil and 4bbls of produced water.

Describe Area Affected and Cleanup Action Taken.*

At the Todd 36-13 production location, a water transport driver ran over a steel flow line resulting in a spill of 6bbls of oil and 4bbls of produced water. The trucks were delivering fresh water to the Aldabra frac pond when one of them ran over the steel flow line connection. The company notified Devon PIC and arrangements were then made to shut the well in and attempt to pick up fluid. No fluid was recovered.

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.

OIL CONSERVATION DIVISION

Signature: Veronica Teel

Approved by

Printed Name: Veronica Teel

District Supervisor:

Signed By *Mike Bratcher*

Title: Field Admin Support

Approval Date: MAY 30 2013

Expiration Date:

Date: 5/28/13 Phone: (575) 748-9933

Conditions of Approval:

Attached

Attach Additional Sheets If Necessary

Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION

2RP-1669

PROPOSAL NO LATER THAN:

June 30 2013

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nJMW1315051978
District RP	2RP-1669
Facility ID	30-015-28815
Application ID	

Release Notification

Responsible Party

Responsible Party Harvard Petroleum Company, LLC	OGRID 10155
Contact Name Jeff Harvard	Contact Telephone 575-208-7135
Contact email jharvard@hpcnm.com	Incident # nJMW1315051978
Contact mailing address P.O. Box 936 Roswell, NM 88202	

Location of Release Source

Latitude **32.2566376** Longitude **-103.7389603**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Todd 36 M State #013	Site Type Oil Well
Date Release Discovered	API# 30-015-28815

Unit Letter	Section	Township	Range	County
M	36	23S	31E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 4	Volume Recovered (bbls) 4
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 6	Volume Recovered (bbls) 6
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

"At the Todd 36-13 production location, a water transport driver ran over a steel flow line resulting in a spill of 6bbls of oil and 4bbls of produced water." Affected Area: "At the Todd 36-13 production location, a water transport driver ran over a steel flow line resulting in a spill of 6 bbls of oil and 4 bbls of produced water. The trucks were delivering fresh water to the Aldabra frac pond when one of them ran over the steel flow line connection. The company notified Devon PIC and arrangements were then made to shut the well in and attempt to pick up fluid. No fluid was recovered."

Incident ID	nJMW1315051978
District RP	2RP-1669
Facility ID	30-015-28815
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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.
Printed Name: <u>Jeff Harvard</u> Title: <u>President and Manager</u> Signature: _____ Date: _____ email: <u>jharvard@hpcnm.com</u> Telephone: <u>575-208-7135</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	nJMW1315051978
District RP	2RP-1669
Facility ID	30-015-28815
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nJMW1315051978
District RP	2RP-1669
Facility ID	30-015-28815
Application ID	

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.

Printed Name: Jeff Harvard Title: President and Manager

Signature: _____ Date: _____

email: jharvard@hpcnm.com Telephone: 575-208-7135

OCD Only

Received by: _____ Date: _____

Incident ID	nJMW1315051978
District RP	2RP-1669
Facility ID	30-015-28815
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Jeff Harvard Title: President and Manager
 Signature: _____ Date: _____
 email: jharvard@hpcnm.com Telephone: 575-208-7135

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

APPENDIX B – Closure Criteria Research Documentation

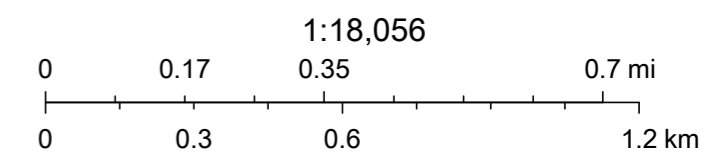
Closure Criteria Worksheet				
Site Name: Todd 36 M State #013				
Spill Coordinates:		X: 32.2566376	Y: -103.7389603	
Site Specific Conditions		Value	Unit	Reference
1	Depth to Groundwater	>105	feet	1
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	21,760	feet	2
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	28,645	feet	3
4	Within 300 feet from an occupied residence, school, hospital, institution or church	24,766	feet	4
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	3,654	feet	5
	ii) Within 1000 feet of any fresh water well or spring	3,654	feet	5
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)	6
7	Within 300 feet of a wetland	12,044	feet	7
8	Within the area overlying a subsurface mine	No	(Y/N)	8
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low	9
10	Within a 100-year Floodplain	>500	year	10
11	Soil Type	Fine sand, sandy clay loam		11
12	Ecological Classification	Loamy Sand		12
13	Geology	Eolian and piedmont deposits		13
NMAC 19.15.29.12 E (Table 1) Closure Criteria		>100'	<50' 51-100' >100'	

OSE POD 0.5 mile



8/12/2023, 1:45:05 PM

- GIS WATERS PODs
- Active
 - Pending
 -
- OSE District Boundary
- Water Right Regulations
- Closure Area
- New Mexico State Trust Lands
- Subsurface Estate
 - Both Estates
 - SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec 36	Tws 23S	Rng 31E	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04746 POD1		CUB	ED	3	4	3	36	23S	31E	619226	3569417	471	105		
C_02405		CUB	ED		4	1	02	24S	31E	617690	3568631*	1447	275	160	115
C_02464		C	ED	2	3	1	02	24S	31E	617645	3568581	1514	320	205	115
C_04672 POD 1		CUB	ED	2	1	4	01	24S	31E	619762	3568286	1622	110		
C_02348		C	ED	1	4	3	26	23S	31E	617648	3571068	1871	700	430	270

Average Depth to Water: **265 feet**
 Minimum Depth: **160 feet**
 Maximum Depth: **430 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 618783 **Northing (Y):** 3569580 **Radius:** 2000

*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.

8/12/23 1:43 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04746 POD1	3	4	3	36	23S	31E	619226	3569417 
Driller License: 1833		Driller Company:		VISION RESOURCES, INC					
Driller Name: JASON MALEY									
Drill Start Date:	06/01/2023	Drill Finish Date:	06/01/2023		Plug Date:	06/06/2023			
Log File Date:	06/13/2023	PCW Rev Date:			Source:				
Pump Type:		Pipe Discharge Size:			Estimated Yield:				
Casing Size:		Depth Well:	105 feet		Depth Water:				

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.

8/12/23 1:48 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Water Right Summary



WR File Number: C 04746 **Subbasin:** CUB **Cross Reference:** -
Primary Purpose: MON MONITORING WELL
Primary Status: PMT PERMIT
Total Acres: **Subfile:** - **Header:** -
Total Diversion: 0 **Cause/Case:** -
User: DEVON ENERGY RESOURCES
Contact: DALE WOODALL

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/	Acres	Diversion	Consumptive
			1	2		To			
get images	747203	EXPL	2023-05-31	PMT	APR	C 04746 POD1	T	0	0

Current Points of Diversion

POD Number	Well Tag	Source	Q				(NAD83 UTM in meters)		Other Location Desc	
			64Q16Q4	Sec	Tws	Rng	X	Y		
C 04746 POD1	NA		3	4	3	36	23S	31E	619226	3569417

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.

8/12/23 1:49 PM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Transaction Summary

EXPL Permit To Explore


Transaction Number: 747203 **Transaction Desc:** C 04746 POD1 **File Date:** 04/24/2023

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *****
User: DEVON ENERGY RESOURCES
Contact: DALE WOODALL

Events

	Date	Type	Description	Comment	Processed By
 get images	04/24/2023	APP	Application Received	*	*****
	04/24/2023	FTN	Finalize non-published Trans.		*****
 get images	04/24/2023	TEC	Technical Report	*PLUGGING PLAN	*****
	06/13/2023	LGI	Well Log Image	*PLG RECORD	*****
	06/13/2023	LOG	Well Log Received	*DRY HOLE	*****
	06/29/2023	QAT	Quality Assurance Completed	DATA	*****
	07/06/2023	QAT	Quality Assurance Completed	DATA TEC/APP	*****
	07/10/2023	QAT	Quality Assurance Completed	IMAGE TEC/APP	*****
	07/11/2023	DRY	Dry well log received		*****
	07/24/2023	QAT	Quality Assurance Completed	DATA LOG	*****
	07/24/2023	QAT	Quality Assurance Completed	DATA PLG RECORD	*****
	08/10/2023	QAT	Quality Assurance Completed	DATA	*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 04746	0	0		MON MONITORING WELL
**Point of Diversion				
C 04746 POD1		619226	3569417	

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.

- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- Q The State Engineer retains jurisdiction over this permit.
- R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Action of the State Engineer

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved
Action Date: 04/24/2023
Log Due Date: 05/30/2024
State Engineer: Mike A. Hamman, P.

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.

8/12/23 1:49 PM

TRANSACTION
SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

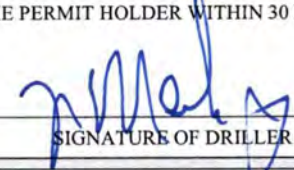
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4746 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-4746			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 15'	SECONDS 18.5" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	44'	03.4" W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 6-1-23	DRILLING ENDED 6-1-23	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	100	6	2" PVC SCH 40	Thread	2"	SCH 40	-
	100	105	6	2" PVC SCH 40	Thread	2"	SCH 40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None pulled and plugged				

OSE DRILL LOG 13 2023 PM 2:03

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	C-4746	POD NO.	1	TRN NO.	147203
LOCATION	235. 31E. 36 3 4 3	WELL TAG ID NO.	NA	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Red sand/White Caliche	Y ✓ N	
	10	20	10	White Caliche	Y ✓ N	
	20	80	60	Light Tan fine sand	Y ✓ N	
	80	105	25	Brown fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: <div style="text-align: right; margin-top: 10px;">OSE DT JUN 13 2023 PM2:08</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jason Maley _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4746	POD NO. 1	TRN NO. 747 203	
LOCATION 235-316.36 343	WELL TAG ID NO. NA	PAGE 2 OF 2	



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4746-POD 1
Well owner: Devon Energy Resources Phone No.: _____
Mailing address: 205 E Bender Road #150
City: Hobbs State: NM Zip code: 88240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Vision Resources INC
- 2) New Mexico Well Driller License No.: WD1833 Expiration Date: 10-7-23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jason Maley
- 4) Date well plugging began: 6-6-23 Date well plugging concluded: 6-6-23
- 5) GPS Well Location: Latitude: 32 deg, 15' min, 18.5" sec
Longitude: 103 deg, 44' min, 03.4" sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: Tape
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6-6-2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OGE DT JUN 13 2023 PM2:08

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0		155	155	open hole	
	Bentonite Chips				
105					

USE DT JUN 13 2023 PM 2:03

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jason Maley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.


Signature of Well Driller

6-7-23
Date



Intermittent 21,760 feet



August 12, 2023

Wetlands

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

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



Pond 28,645 feet



August 12, 2023

Wetlands

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

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

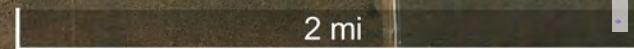
Todd 36 M State #13

Nearest Resident: 4.69 miles (24,766 ft)

Feature 1

Todd 36 M State #13

Residence





New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	(acre ft per annum)				County	POD Number	Well Tag	Code	Grant	(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in me)			
	Sub basin	Use	Diversion	Owner						Source	64	16	4	Sec	Tw	Rng	X
C 04746	CUB	MON	0	DEVON ENERGY RESOURCES	ED	C 04746 POD1	NA										
C 02602	C	SAN	0	POGO PRODUCING COMPANY	ED	C 02602											
C 00225 A	CUB	IRR	8.4	GREGORY ROCKHOUSE RANCH	ED	C 02405				Shallow	4	1	02	24S	31E	617690 3568631*	
C 01246 AO	CUB	IRR	47.82	CATHLEEN MC INTIRE	ED	C 02405				Shallow	4	1	02	24S	31E	617690 3568631*	
C 02405	C	PRO	0	TEXACO EXPLORATION & PROD. IND	ED	C 02405				Shallow	4	1	02	24S	31E	617690 3568631*	
C 02452	C	PRO	0	TEXACO EXPLORATION & PROD INC.	ED	C 02405				Shallow	4	1	02	24S	31E	617690 3568631*	
C 02576	C	PRO	0	SONAT EXPLORATION COMPANY	ED	C 02405				Shallow	4	1	02	24S	31E	617690 3568631*	
C 02464	C	PRO	0	COMMISSIONER OF PUBLIC LANDS	ED	C 02464				Shallow	2	3	1	02	24S	31E	617644 3568581
C 02901	C	PUB	0	B & H MAINTENANCE & CONST.	ED	C 02901					3	4	1	02	24S	31E	617589 3568530*
C 04672	CUB	EXP	0	OXY USA INC.	ED	C 04672 POD 1	NA				2	1	4	01	24S	31E	619762 3568286
C 02348	C	STK	3	NGL WATER SOLUTIONS PERMIAN	ED	C 02348				Shallow	1	4	3	26	23S	31E	617647 3571068

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 618783 Northing (Y): 3569580 Radius: 2000

Sorted by: Distance

*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 purpose of the data.



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02602		2	2	35	23S	31E	618471	3570650*

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

*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.

8/12/23 2:00 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Water Right Summary



WR File Number: C 02602 **Subbasin:** C **Cross Reference:** -
Primary Purpose: SAN 72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE
Primary Status: EXP EXPIRED
Total Acres: **Subfile:** - **Header:** -
Total Diversion: 0 **Cause/Case:** -
Owner: POGO PRODUCING COMPANY
Contact: JERRY A COOPER

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/	Acres	Diversion	Consumptive
			1	2		To			
466110	72121	1998-09-15	EXP	EXP	C 02602	T		3	

Current Points of Diversion

POD Number	Well Tag	Source	Q			X	Y	Other Location Desc
			64	16	4			
C 02602			2	2	35	23S 31E	618471 3570650*	

An () after northing value indicates 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.

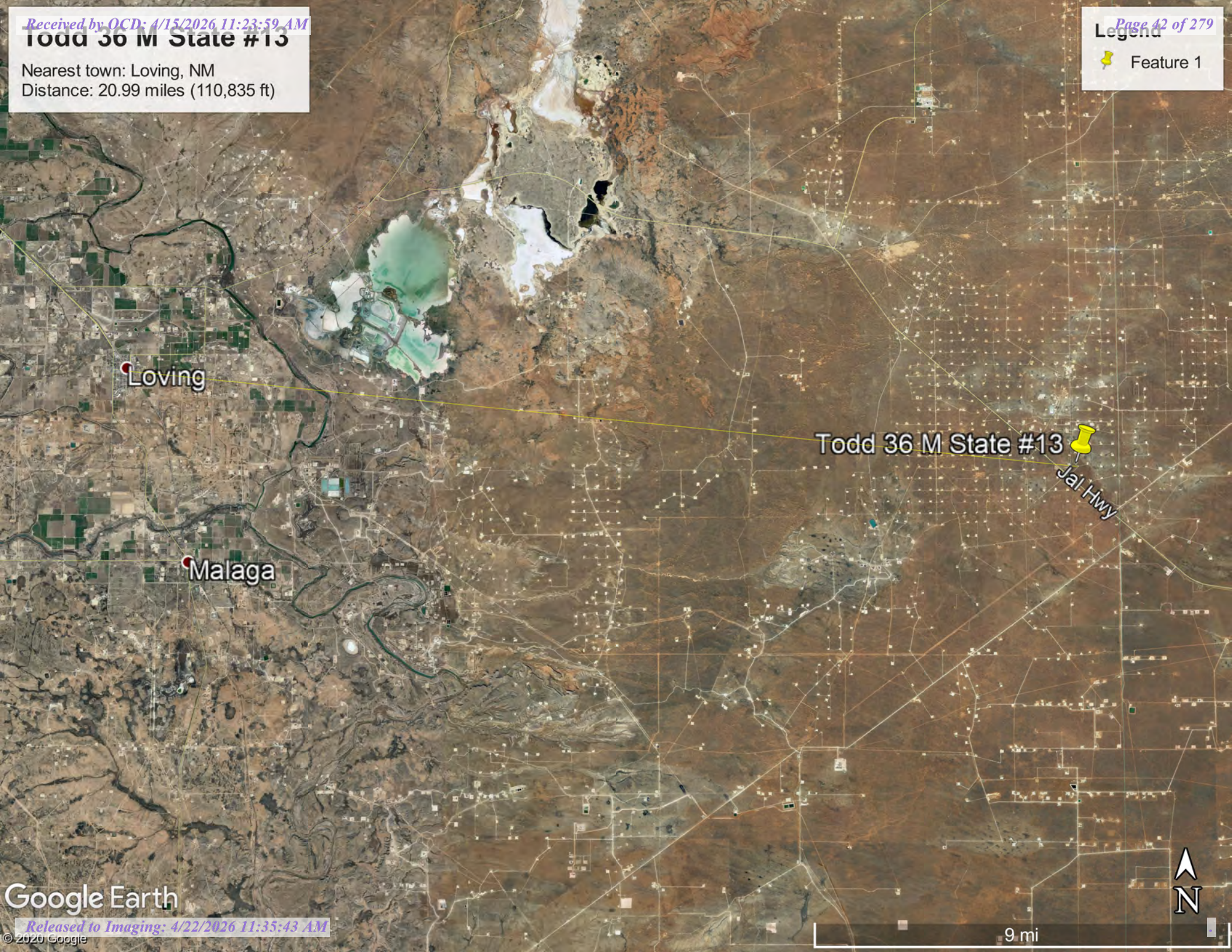
8/12/23 2:01 PM

WATER RIGHT SUMMARY

Todd 36 M State #13

Nearest town: Loving, NM
Distance: 20.99 miles (110,835 ft)

Feature 1





Wetland 12,044 feet



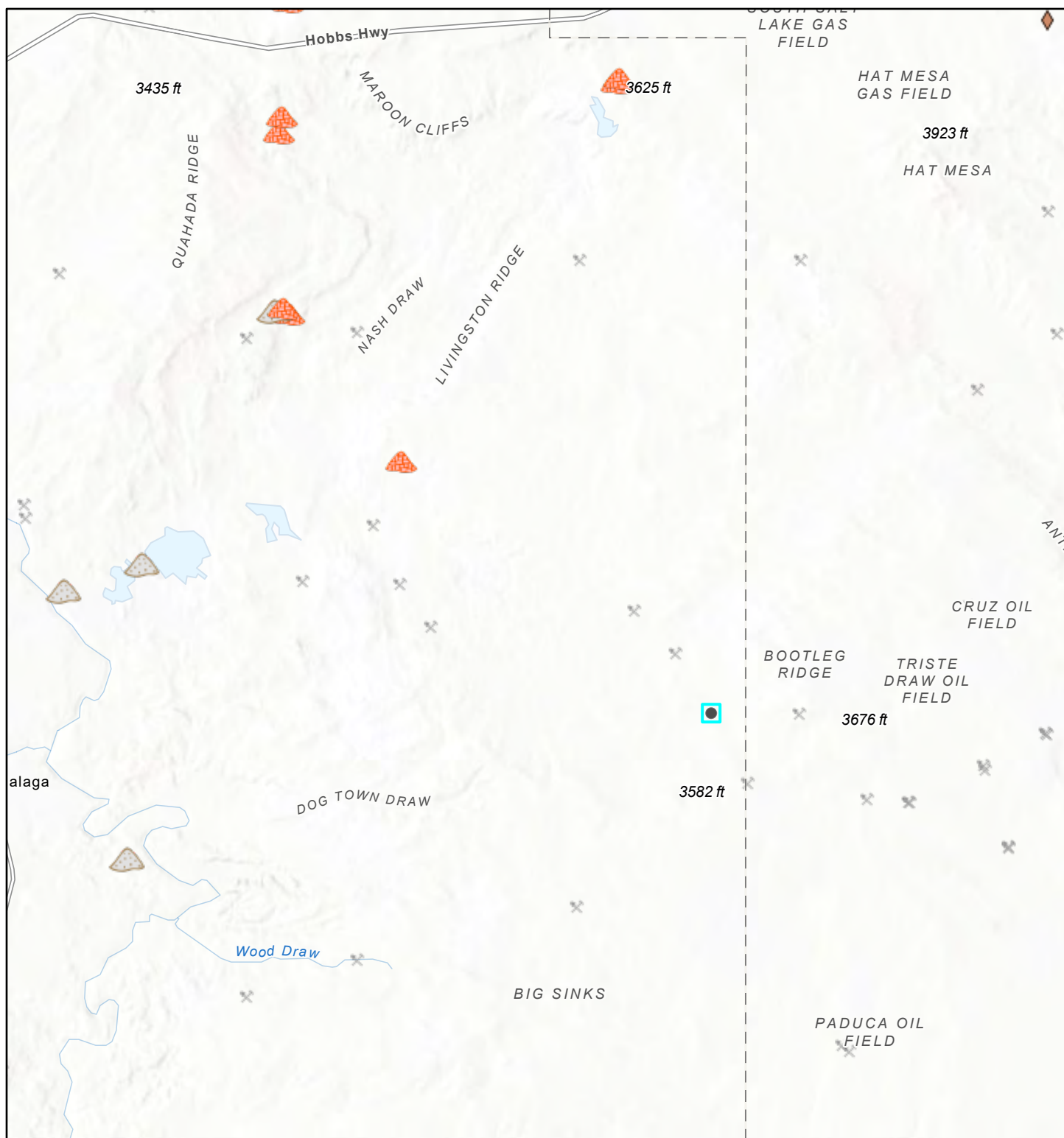
August 12, 2023

Wetlands

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

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

Todd 36M State 13



4/17/2023, 1:10:22 PM

1:288,895

Registered Mines

Industrial Minerals (Other)

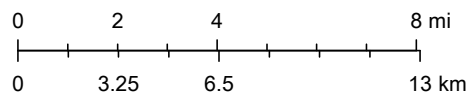
Aggregate, Stone etc.

Potash

Aggregate, Stone etc.

Salt

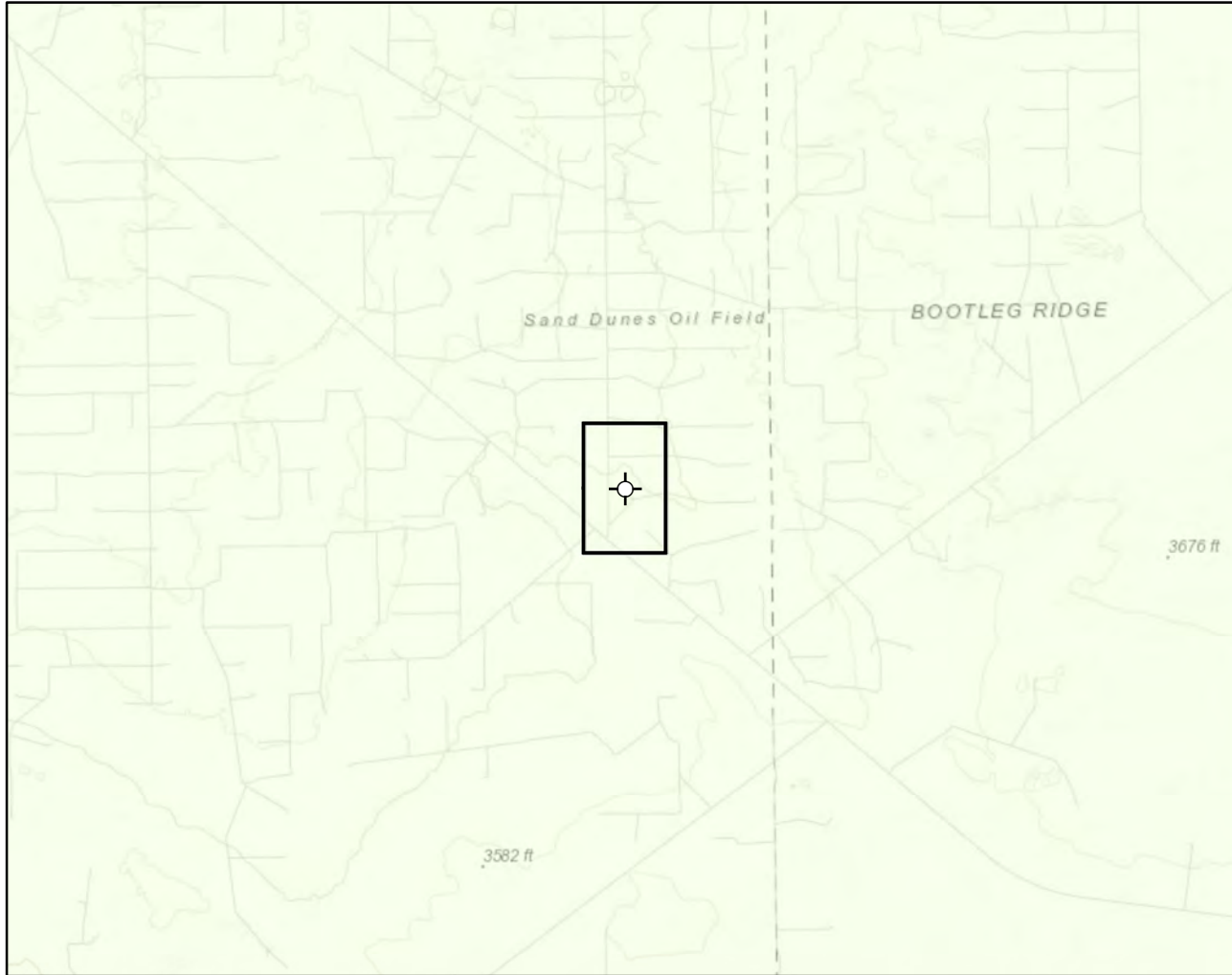
Aggregate, Stone etc.



Esri, NASA, NGA, USGS, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA

EMNRD MMD GIS Coordinator

Document Path: G:\Projects\US PROJECTS\Devon Energy Corporation\20E-00141060 - Todd 36 M State #13\Fig X Karst Potential (Todd 36 M State #13).mxd



Karst Potential

- Critical
- High
- Medium
- Low

- Site Location
- Site Buffer (1,000 ft.)

Overview Map

0 0.25 0.5 1 mi

Detail Map

0 150 300 600 ft.



Map Center:
Lat/Long: 32.256638, -103.738960

NAD 1983 UTM Zone 13N
Date: Oct 16/20



**Karst Potential
Todd 36 M State #13**

FIGURE:

X



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, ESRI 20XX; Overview Map: ESRI World Topographic

VERSATILITY. EXPERTISE.

National Flood Hazard Layer FIRMette



103°44'39"W 32°15'39"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 |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard Zone D |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance
17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | 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.





Soil Map—Eddy Area, New Mexico

Soil Map may not be valid at this scale.

Map Scale: 1:1,290 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84



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: Eddy Area, New Mexico
 Survey Area Data: Version 16, Jun 8, 2020

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.

Soil Map—Eddy Area, New Mexico

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	7.3	100.0%
Totals for Area of Interest		7.3	100.0%

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

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

Description of Berino

Setting

Landform: Fan piedmonts, plains

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Interdunes, plains, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Kermit

Percent of map unit: 3 percent

Ecological site: R042XC005NM - Deep Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 16, Jun 8, 2020

Ecological site R070BD003NM Loamy Sand

Accessed: 04/17/2023

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	Sandy Sandy
R070BD005NM	Deep Sand Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes.

The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

Maljamar
Berino
Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid

Soil depth	40–72 in
Surface fragment cover <=3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

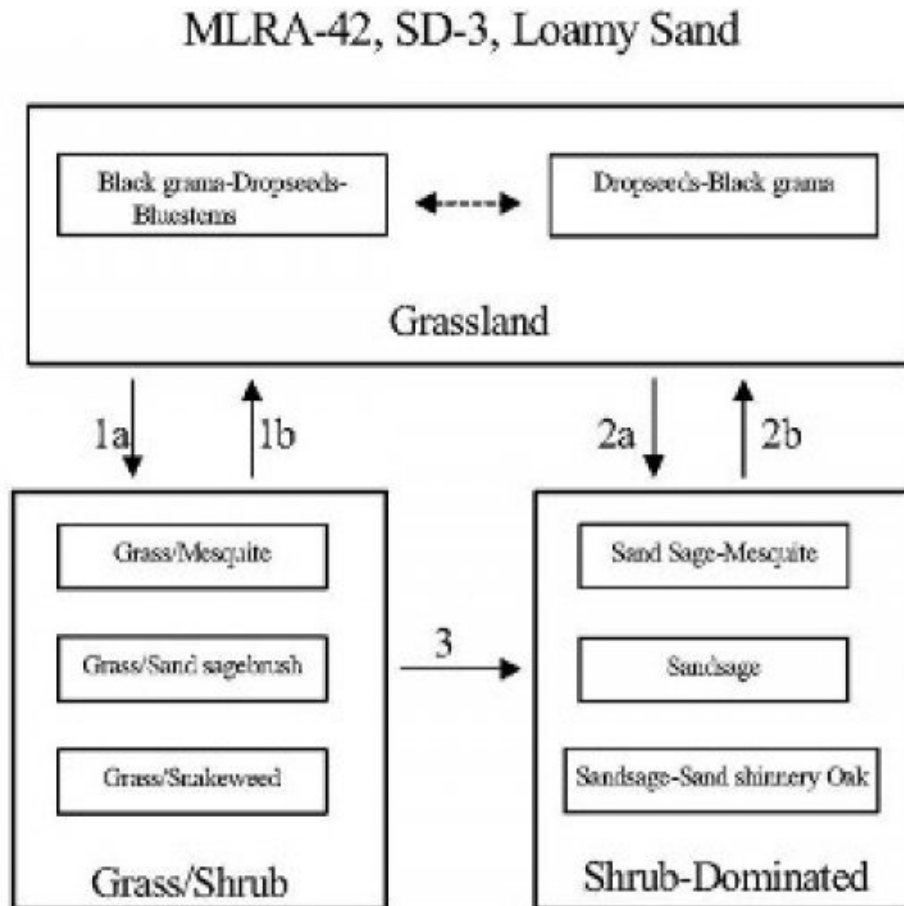
Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



- 1a. Drought, over grazing, fire suppression.
- 1b. Brush control, prescribed grazing

- 2.a Severe loss of grass cover, fire suppression, erosion.
- 2b. Brush control, seeding, prescribed grazing.

- 3. Continued loss of grass cover, erosion.

**State 1
Historic Climax Plant Community**

**Community 1.1
Historic Climax Plant Community**

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil

surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	650	1225	1800

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

**State 2
Grass/Shrub**

**Community 2.1
Grass/Shrub**



Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). **Diagnosis:** This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. **Transition to Grass/Shrub State (1a):** The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). **Key indicators of approach to transition:** • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances **Transition to Historic Plant Community (1b):** Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3 Shrub Dominated

Community 3.1 Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an

aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	Warm Season			61–123	
	little bluestem	SCSC	<i>Schizachyrium scoparium</i>	61–123	–
2	Warm Season			37–61	
	sand bluestem	ANHA	<i>Andropogon hallii</i>	37–61	–
3	Warm Season			37–61	
	cane bluestem	BOBA3	<i>Bothriochloa barbinodis</i>	37–61	–
	silver bluestem	BOSA	<i>Bothriochloa saccharoides</i>	37–61	–
4	Warm Season			123–184	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	123–184	–
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	123–184	–
5	Warm Season			123–184	
	thin paspalum	PASE5	<i>Paspalum setaceum</i>	123–184	–
	plains bristlegrass	SEVU2	<i>Setaria vulpiseta</i>	123–184	–
	fringed signalgrass	URCI	<i>Urochloa ciliatissima</i>	123–184	–
6	Warm Season			123–184	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	123–184	–
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	123–184	–
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	123–184	–
7	Warm Season			61–123	
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	61–123	–
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	61–123	–
9	Other Perennial Grasses			37–61	
	Grass, perennial	2GP	<i>Grass, perennial</i>	37–61	–
Shrub/Vine					
8	Warm Season			37–61	
	New Mexico feathergrass	HENE5	<i>Hesperostipa neomexicana</i>	37–61	–
	giant dropseed	SPGI	<i>Sporobolus giganteus</i>	37–61	–
10	Shrub			61–123	

	sand sagebrush	ARFI2	<i>Artemisia filifolia</i>	61–123	–
	Havard oak	QUHA3	<i>Quercus havardii</i>	61–123	–
11	Shrub			34–61	
	fourwing saltbush	ATCA2	<i>Atriplex canescens</i>	37–61	–
	featherplume	DAFO	<i>Dalea formosa</i>	37–61	–
12	Shrub			37–61	
	jointfir	EPHED	<i>Ephedra</i>	37–61	–
	littleleaf ratany	KRER	<i>Krameria erecta</i>	37–61	–
13	Other Shrubs			37–61	
	Shrub (>.5m)	2SHRUB	<i>Shrub (>.5m)</i>	37–61	–
Forb					
14	Forb			61–123	
	leatherweed	CRPOP	<i>Croton pottsii var. pottsii</i>	61–123	–
	Indian blanket	GAPU	<i>Gaillardia pulchella</i>	61–123	–
	globemallow	SPHAE	<i>Sphaeralcea</i>	61–123	–
15	Forb			12–37	
	woolly groundsel	PACA15	<i>Packera cana</i>	12–37	–
16	Forb			61–123	
	touristplant	DIWI2	<i>Dimorphocarpa wislizeni</i>	61–123	–
	woolly plantain	PLPA2	<i>Plantago patagonica</i>	61–123	–
17	Other Forbs			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.

Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations

Soil Series Hydrologic Group

Berino B

Kinco A

Maljamar B

Pajarito B

Palomas B

Wink B

Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, black grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinary oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.3 – 3.5

75 – 51 3.0 – 4.5

50 – 26 4.6 – 9.0

25 – 0 9.1 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

Ansley, R. J.; Jacoby, P. W. 1998. Manipulation of fire intensity to achieve mesquite management goals in north Texas. In: Pruden, Teresa L.; Brennan, Leonard A., eds. Fire in ecosystem management: shifting the paradigm from suppression to prescription: Proceedings, Tall Timbers fire ecology conference; 1996 May 7-10; Boise, ID. No. 20. Tallahassee, FL: Tall Timbers Research Station: 195-204.

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Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to mesquite damage by fire. Journal of Range Management 24:136-141.

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Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

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Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Contributors

Don Sylvester
Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

2. **Presence of water flow patterns:**

3. **Number and height of erosional pedestals or terracettes:**

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

5. **Number of gullies and erosion associated with gullies:**

6. **Extent of wind scoured, blowouts and/or depositional areas:**

7. **Amount of litter movement (describe size and distance expected to travel):**

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

Dominant:

Sub-dominant:

Other:

Additional:

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

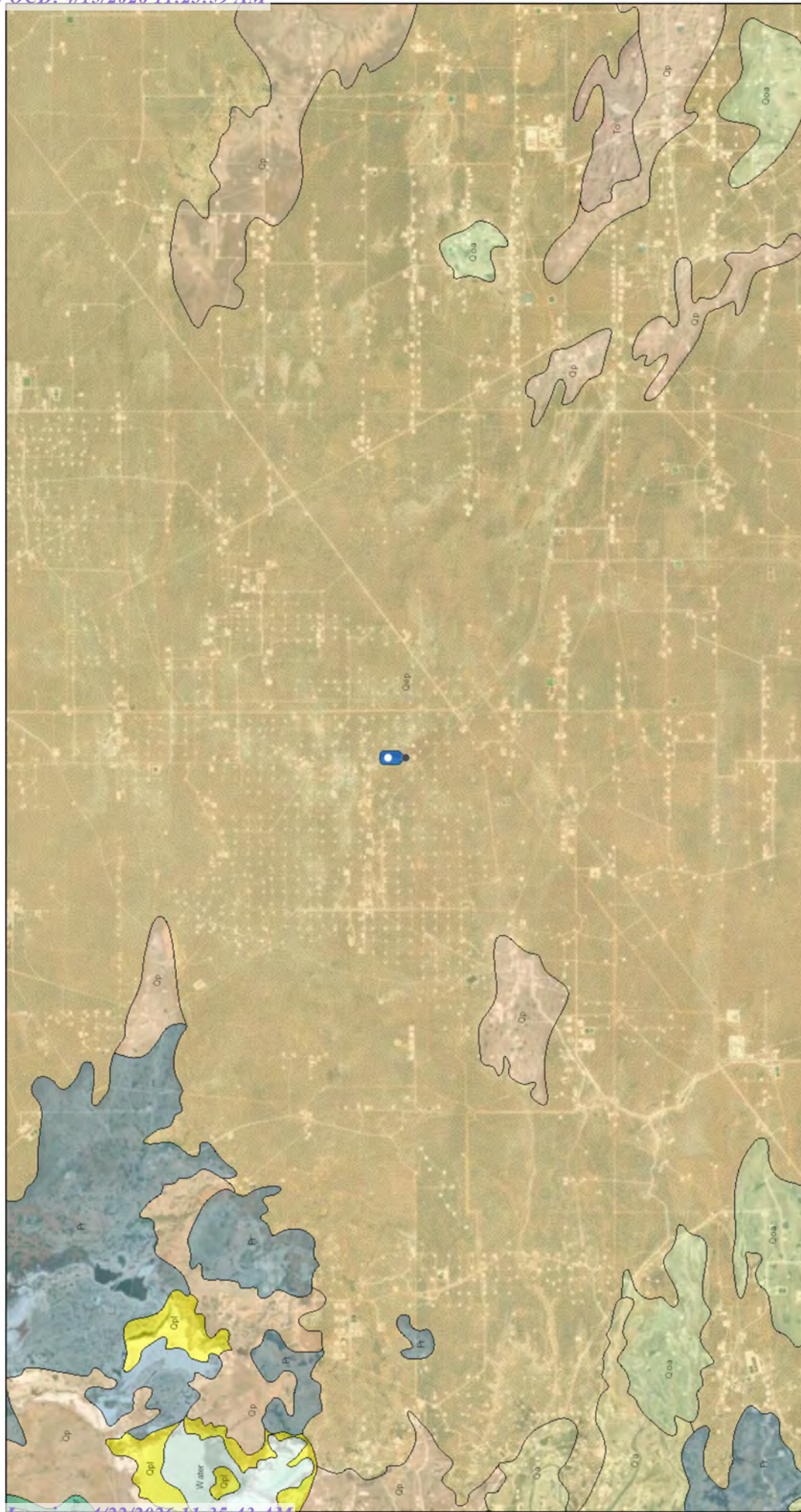
14. **Average percent litter cover (%) and depth (in):**

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

17. **Perennial plant reproductive capability:**

Todd 36 M State #13

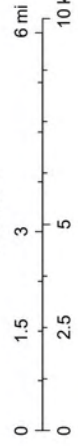


10/13/2020, 9:58:25 AM

Lithologic Contacts

- Contact, Exposed
- Contact, Gradational
- - - Nomenclature change
- Map Boundary

1:144,448



Earthstar Geographics, NMBGMR

APPENDIX C – Daily Field Reports



Daily Field Log
Site: Todd 36 M State #13

02/18/2026

Location: 32.256707°N 103.739033°W

By: Katrina Taylor

Weather	Cool Clear High Winds Low Wind	Contractor	Kelley Oil Field Services
Staff On-site	Katrina Taylor	Contractor Crew	Brice Baylock (Devon); Denis Ramires, Demul, Cesar (Kelley)
Staff From Time	08:03	Equipment On Site	Backhoe
Tailgate meeting conducted	Yes	Incident ID Number	nJMW1315051978

Work Summary:

Mechanical Delineation

Time Observations

09:03:55	Technican checked operators 811 and coordinates before starting work
09:04:14	Technican marked out the points with the crew and altered points as necessary based on the 811
09:04:40	Operators used a TW-6 to check the areas before excavation. Any unclear signal was avoided and the new point was double checked with the vertex secondary sweep
09:48:28	Around 9:30 the backhoes malfunctioned leading to delays
13:21:59	The backhoe was fixed and operations could resume
15:09:18	Test pits 1, 3, and 4 were excavated. Test pit 4 was field screened on site.

Pictures/Attachments

Date: 2/18/2026
 Time: 09:35
 Notes: TP26-03 was taken north of the pump Jack. Samples were collected at 0, 1, 2, 3, and 4
 Latitude: 32.25659166666665
 Longitude: -103.73895277777778
 Direction: S





Daily Field Log
Site: Todd 36 M State #13

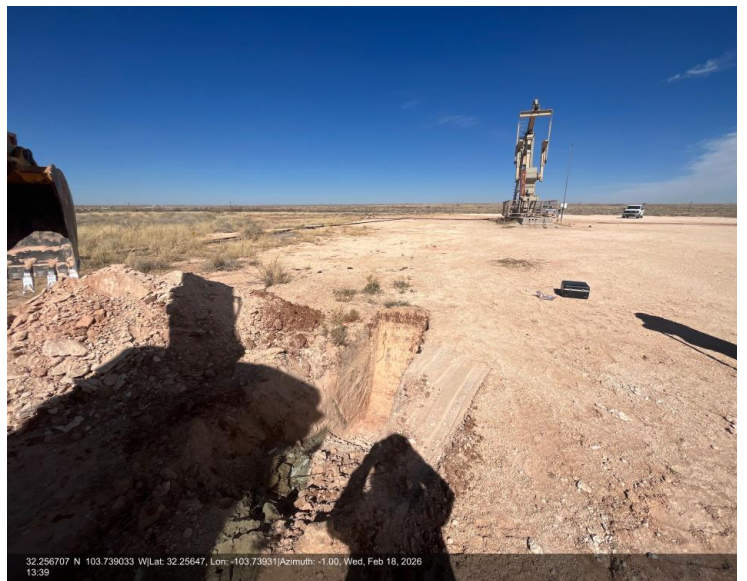
Pictures/Attachments

Date: 2/18/2026
Time: 13:22
Notes: TP26-03 was covered
Latitude: 32.25665277777778
Longitude: -103.73881388888888
Direction: N



32.256707 N 103.739033 W|Lat: 32.25665, Lon: -103.73881|Azimuth: -1.00, Wed, Feb 18, 2026 13:22

Date: 2/18/2026
Time: 13:39
Notes: TP26-04 was taken southwest of the pump jack. Samples were taken at 0, 1, 2, 3, and 4 ft bgs
Latitude: 32.25646944444444
Longitude: -103.73931111111111
Direction: E



32.256707 N 103.739033 W|Lat: 32.25647, Lon: -103.73931|Azimuth: -1.00, Wed, Feb 18, 2026 13:39



Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/18/2026
 Time: 14:44
 Notes: TP26-01 southwest of the pumpjack inside the release area excavated to 9ft bgs. Samples were collected in 1ft increments
 Latitude: 32.2565
 Longitude: -103.73929722222222
 Direction: SW



Date: 2/18/2026
 Time: 15:00
 Notes: TP26-01 and TP26-04 were covered
 Latitude: 32.256561111111111
 Longitude: -103.73922777777778
 Direction: NE





Daily Field Log
Site: Todd 36 M State #13

02/19/2026

Location: 32.256707°N 103.739033°W

By: Katrina Taylor

Table with 4 columns: Field Item, Value, Field Item, Value. Includes Weather (Clear|Cool), Staff On-site (Katrina Taylor), Contractor, Contractor Crew, Staff From Time (07:52), Equipment On Site (Backhoe), Tailgate meeting conducted (Yes), Incident ID Number (nJMW1315051978).

Work Summary:

Continue Mechanical Delienation

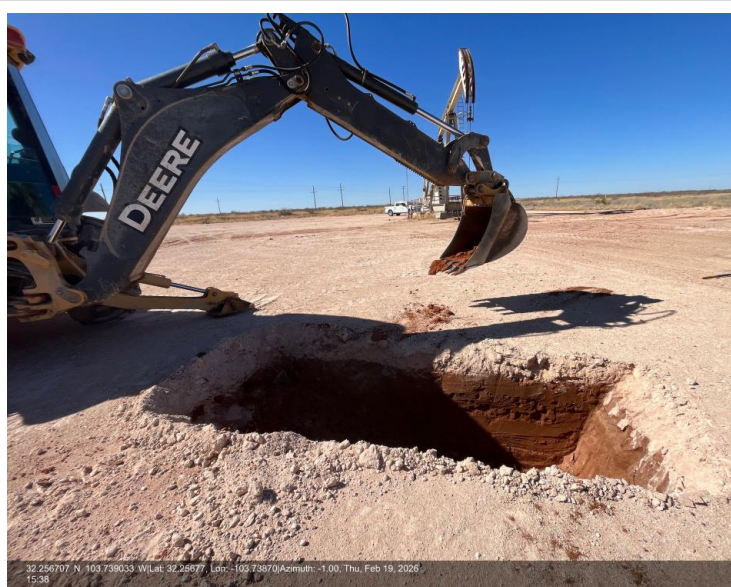
Time Observations

- 08:17:43 Areas were checked with a secondary sweep before work was started
08:53:56 Samples were collected in 1ft increments
15:42:44 Test pits 3-6 and 8 were excavated. Several test pits had to be stepped out due to the field screens being unclear if they'd be below strictest criteria. Stepped out test pits were not renamed.
15:46:02 All collected samples were field screened with EC on location to guide the excavation.

Handwritten signature

Pictures/Attachments

Date: 2/19/2026
Time: 10:37
Notes: TP26-02 excavated to 4ft bgs
Latitude: 32.256775
Longitude: -103.73870277777777
Direction: E





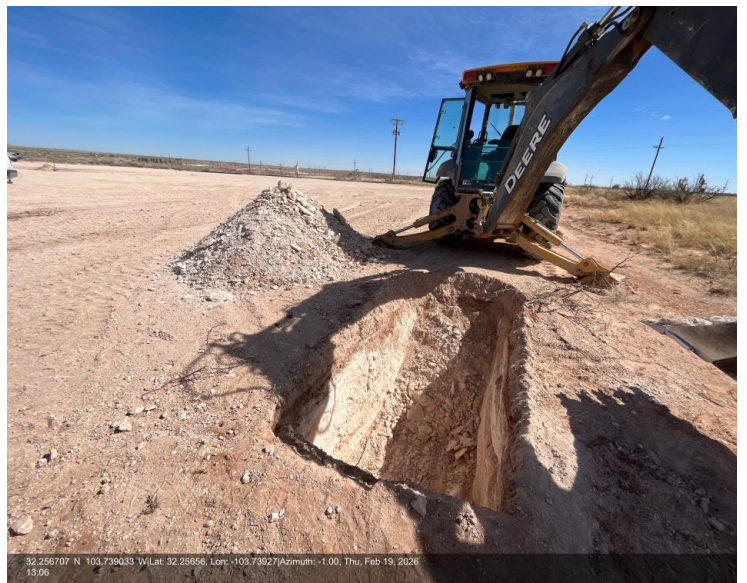
Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/19/2026
 Time: 11:34
 Notes: TP26-03 was stepped out from yesterday's TP26-03 and replaced. No equipment touched the unmarked line. The secondary sweep was done before beginning and it was undetectable. The remainder of the test pit was done with hand equipment only
 Latitude: 32.25653055555556
 Longitude: -103.73893055555556
 Direction: S



Date: 2/19/2026
 Time: 13:06
 Notes: TP26-04 was stepped out and excavated to 4ft. Samples were collected in 1ft increments
 Latitude: 32.25656111111111
 Longitude: -103.73927222222223
 Direction: S





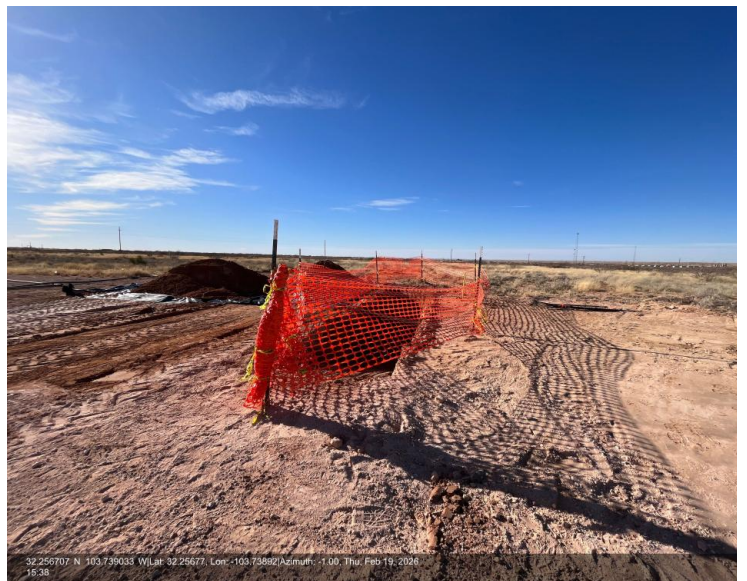
Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/19/2026
 Time: 13:39
 Notes: TP26-05 stepped out and excavated to 4ft bgs.
 Latitude: 32.25683611111111
 Longitude: -103.73871666666666
 Direction: N



Date: 2/19/2026
 Time: 15:38
 Notes:
 Latitude: 32.256775
 Longitude: -103.73892222222223
 Direction: W





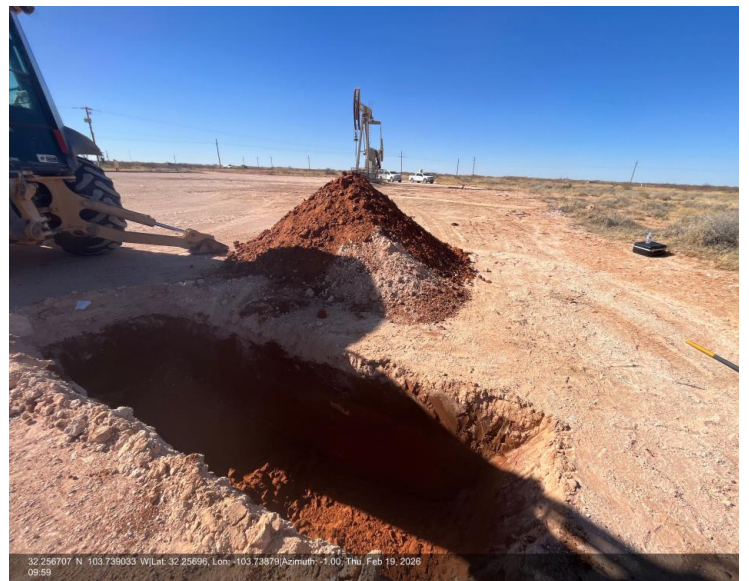
Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/19/2026
 Time: 09:17
 Notes: TP26-02 was excavated to 10ft. The top 4ft was sandy. The depth of the sandy material is highly variable on location.
 Latitude: 32.256775
 Longitude: -103.73898333333334
 Direction: E



Date: 2/19/2026
 Time: 09:59
 Notes: TP26-05 excavated to 4ft north of the release.
 Latitude: 32.256958333333333
 Longitude: -103.73879166666667
 Direction: N





Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/19/2026
 Time: 15:38
 Notes: TP26-08 was excavated to 4ft. No samples we're collected
 Latitude: 32.25671388888889
 Longitude: -103.73892222222223
 Direction: W



Date: 2/19/2026
 Time: 15:40
 Notes: TP26-05 was covered EOD
 Latitude: 32.25680555555556
 Longitude: -103.7389
 Direction: NW

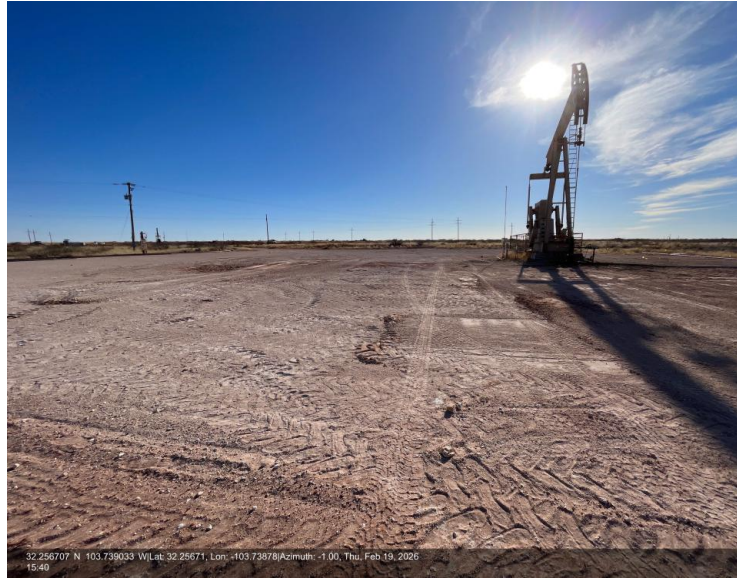


Daily Field Log
Site: Todd 36 M State #13

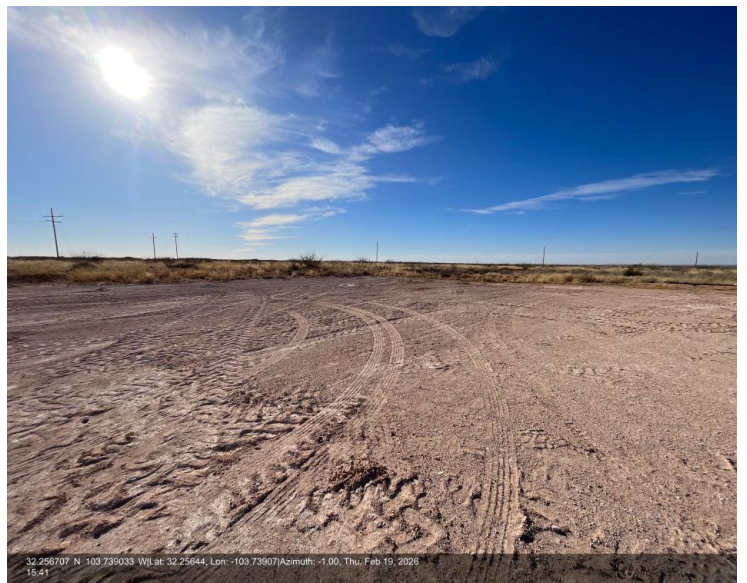


Pictures/Attachments

Date: 2/19/2026
 Time: 15:40
 Notes: TP25-03 was filled in by hand EOD
 Latitude: 32.25671388888889
 Longitude: -103.73877777777778
 Direction: N



Date: 2/19/2026
 Time: 15:41
 Notes: TP26-04 was filled in EOD
 Latitude: 32.25643888888889
 Longitude: -103.739075
 Direction: W





Daily Field Log
Site: Todd 36 M State #13

02/20/2026

Location: 32.256707°N 103.739033°W

By: Katrina Taylor

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Weather (High Winds|Partly Sunny), Staff On-site (Katrina Taylor), Contractor (Kelley Oil Field Services), Staff From Time (08:01), Contractor Crew (Denis Ramerizes, David Crek, and Frank Hua), Tailgate meeting conducted (Yes), Equipment On Site (Backhoe), Incident ID Number (nJMW1315051978).

Work Summary:

Trenches were made for test pits 7 and 8

Time Observations

Table with 2 columns: Time, Observations. Contains 5 entries detailing trench excavation times and observations from 14:57:14 to 15:00:56.

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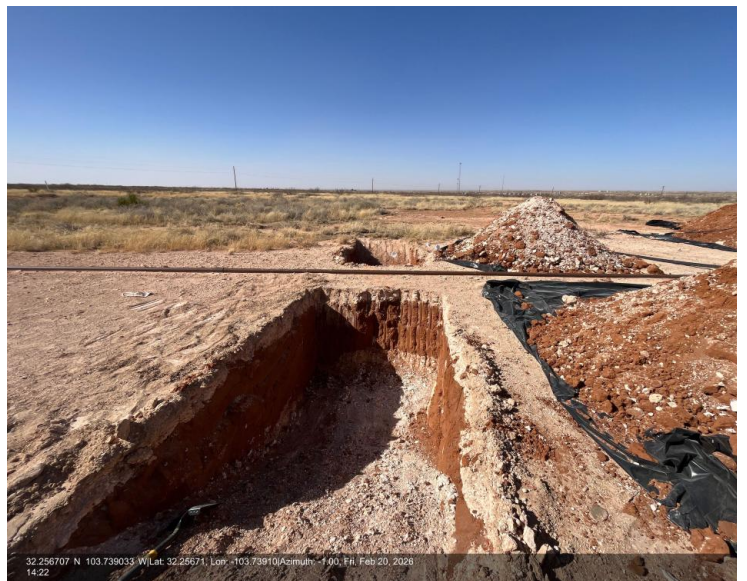
Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/20/2026
 Time: 14:21
 Notes: TP26-08 was collected just off pad. A trench was made and the walls were sampled.
 Latitude: 32.25680555555556
 Longitude: -103.73895277777778
 Direction: NE



Date: 2/20/2026
 Time: 14:22
 Notes: TP26-07 was collected from before the surface line. A trench was made and the walls were sampled to define the smallest release area
 Latitude: 32.25671388888889
 Longitude: -103.73909722222223
 Direction: E

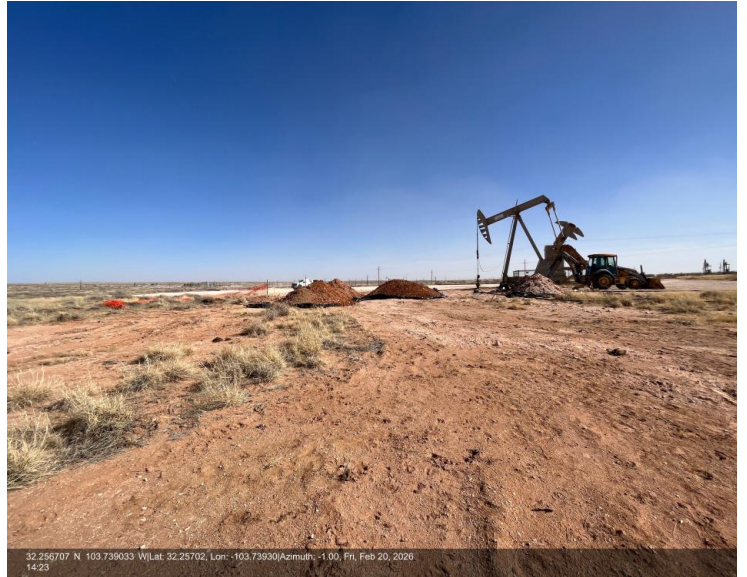




Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 2/20/2026
 Time: 14:23
 Notes: Photo from off pad at the test trenches
 Latitude: 32.257019444444445
 Longitude: -103.73930277777778
 Direction: E



Date: 2/20/2026
 Time: 16:20
 Notes: Trench pits were filled in EOD
 Latitude: 32.25671388888889
 Longitude: -103.73863055555556
 Direction: N





Daily Field Log
Site: Todd 36 M State #13

03/12/2026

Location: 32.256707°N 103.739033°W

By: Katrina Taylor

Weather	Clear Cool	Contractor	
Staff On-site	Katrina Taylor	Contractor Crew	
Staff From Time	08:15	Equipment On Site	
Tailgate meeting conducted	Yes	Incident ID Number	

Work Summary:

Completed step outs of Boreholes 4, 5, and 6

Time Observations

15:27:12	A secondary sweep was conducted before each boreholes were taken
17:52:12	Only boreholes intended for laboratory analysis were named and plotted. Boreholes were not named if they hit refusal before 4ft or any sample field screened above 500 ppm cl. The release area will be adjusted to ensure it captures fieldscreens higher than strictest criteria.
17:54:39	Boreholes 9, 10, and 11 were collected as step outs of test pits 4, 6, and 5 respectively.

Pictures/Attachments

Date: 3/12/2026
 Time: 15:27
 Notes: Actual location of BH26-09. Just off pad. Samples were collected at 0-4 at 1ft increments. At 2.5ft a dense caliche layer was hit that could not be augured. That layer was scraped to the remaining sample depths.
 Latitude: 32.25640833333333
 Longitude: -103.73939444444444
 Direction: S





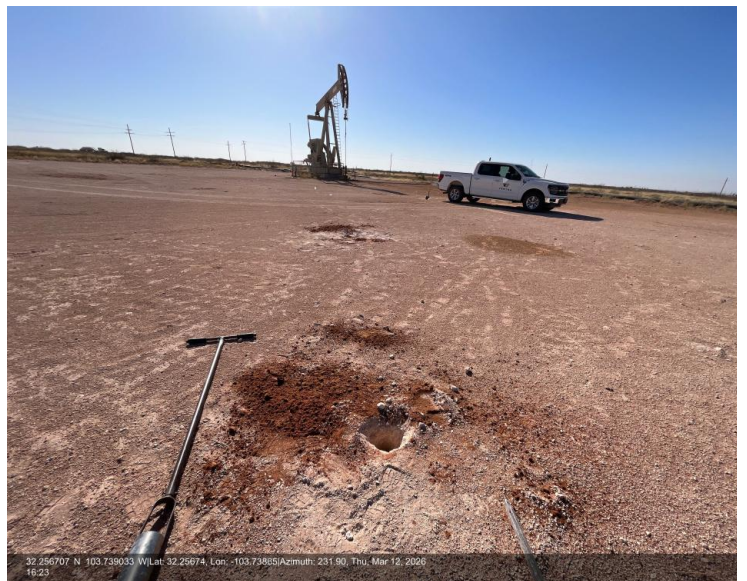
Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 3/12/2026
 Time: 15:29
 Notes: Two closer boreholes were attempted for BH26-09, however refusal was hit at 1ft
 Latitude: 32.25637777777778
 Longitude: -103.73938888888889
 Direction: S



Date: 3/12/2026
 Time: 16:23
 Notes: BH26-10 was taken 0-4 in 1ft increments
 Latitude: 32.256744444444444
 Longitude: -103.73864722222223
 Direction: NW





Daily Field Log
Site: Todd 36 M State #13

Pictures/Attachments

Date: 3/12/2026
 Time: 16:25
 Notes: An unnamed borehole was taken in between BH26-10 and TP26-06. The borehole field screened above strictest criteria and was stepped out.
 Latitude: 32.256775
 Longitude: -103.73869444444445
 Direction: SW



Date: 3/12/2026
 Time: 17:34
 Notes: BH26-11 was taken just to the northeast of the location
 Latitude: 32.25705
 Longitude: -103.73860277777779
 Direction: S



APPENDIX D – Laboratory Data Reports and Chain of Custody Forms



Environment Testing

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- 2
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- 5
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- 7
- 8
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- 10
- 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

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JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-43917-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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3/5/2026 12:48:31 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-43917-1



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Client Sample Results	6
QC Sample Results	46
QC Association Summary	53
Lab Chronicle	61
Certification Summary	74
Chain of Custody	75
Receipt Checklists	79

Definitions/Glossary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-43917-1

Job ID: 885-43917-1

Eurofins Albuquerque

Job Narrative 885-43917-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/24/2026 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Receipt Exceptions

The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): Client was contacted and added sample to be analysed. TP26-02 2 (885-43917-51)

The following sample was <CHOOSE_ONE> canceled by the client on 2/24/26: TP26-01 0 (885-43917-1).

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015M/D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-43887 and analytical batch 885-43838 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015M/D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-43887 and analytical batch 885-43838 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300.0: The matrix spike duplicate (MSD) recoveries for preparation batch 885-44056 and analytical batch 885-44099 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 1

Lab Sample ID: 885-43917-2

Date Collected: 02/19/26 09:05

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 09:53	02/27/26 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 09:53	02/27/26 23:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 09:53	02/27/26 23:56	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 09:53	02/27/26 23:56	1
Toluene	ND		0.048	mg/Kg		02/25/26 09:53	02/27/26 23:56	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 09:53	02/27/26 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/27/26 23:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 11:10	02/25/26 21:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 21:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			02/25/26 11:10	02/25/26 21:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	800		50	mg/Kg		03/02/26 10:15	03/02/26 15:03	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 2

Lab Sample ID: 885-43917-3

Date Collected: 02/19/26 09:10

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 09:53	02/28/26 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 09:53	02/28/26 01:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 01:01	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 01:01	1
Toluene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 01:01	1
Xylenes, Total	ND		0.098	mg/Kg		02/25/26 09:53	02/28/26 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 09:53	02/28/26 01:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/25/26 11:10	02/25/26 21:54	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 21:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			02/25/26 11:10	02/25/26 21:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800		51	mg/Kg		03/02/26 10:15	03/02/26 15:44	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 3

Lab Sample ID: 885-43917-4

Date Collected: 02/19/26 09:15

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 09:53	02/28/26 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 09:53	02/28/26 01:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 09:53	02/28/26 01:23	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 01:23	1
Toluene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 01:23	1
Xylenes, Total	ND		0.098	mg/Kg		02/25/26 09:53	02/28/26 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 09:53	02/28/26 01:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 11:10	02/25/26 22:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 11:10	02/25/26 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			02/25/26 11:10	02/25/26 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3400		50	mg/Kg		03/02/26 10:15	03/02/26 16:25	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 4

Lab Sample ID: 885-43917-5

Date Collected: 02/19/26 09:20

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 09:53	02/28/26 01:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 09:53	02/28/26 01:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 01:45	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 01:45	1
Toluene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 01:45	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 09:53	02/28/26 01:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 09:53	02/28/26 01:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 11:10	02/25/26 22:16	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 11:10	02/25/26 22:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			02/25/26 11:10	02/25/26 22:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		51	mg/Kg		03/02/26 10:15	03/02/26 16:39	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 5

Lab Sample ID: 885-43917-6

Date Collected: 02/19/26 09:25

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 09:53	02/28/26 02:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/28/26 02:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 02:06	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 02:06	1
Toluene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 02:06	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 09:53	02/28/26 02:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 09:53	02/28/26 02:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 11:10	02/25/26 22:27	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			02/25/26 11:10	02/25/26 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		50	mg/Kg		03/02/26 10:15	03/02/26 17:19	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 6

Lab Sample ID: 885-43917-7

Date Collected: 02/19/26 09:30

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 09:53	02/28/26 02:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 09:53	02/28/26 02:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 02:28	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 02:28	1
Toluene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 02:28	1
Xylenes, Total	ND		0.092	mg/Kg		02/25/26 09:53	02/28/26 02:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 09:53	02/28/26 02:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 11:10	02/25/26 22:38	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 22:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/25/26 11:10	02/25/26 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		49	mg/Kg		03/02/26 10:15	03/02/26 17:33	10

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Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 7

Lab Sample ID: 885-43917-8

Date Collected: 02/19/26 09:35

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 09:53	02/28/26 02:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/25/26 09:53	02/28/26 02:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 02:50	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 02:50	1
Toluene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 02:50	1
Xylenes, Total	ND		0.10	mg/Kg		02/25/26 09:53	02/28/26 02:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 09:53	02/28/26 02:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 11:10	02/25/26 22:48	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			02/25/26 11:10	02/25/26 22:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		49	mg/Kg		03/02/26 10:15	03/02/26 17:47	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 8

Lab Sample ID: 885-43917-9

Date Collected: 02/19/26 09:40

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 09:53	02/28/26 03:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/25/26 09:53	02/28/26 03:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 03:12	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 03:12	1
Toluene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 03:12	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 09:53	02/28/26 03:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 09:53	02/28/26 03:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		02/25/26 11:10	02/25/26 22:59	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/25/26 11:10	02/25/26 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			02/25/26 11:10	02/25/26 22:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610		50	mg/Kg		03/02/26 10:15	03/02/26 18:00	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 9

Lab Sample ID: 885-43917-10

Date Collected: 02/19/26 09:45

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 09:53	02/28/26 03:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 09:53	02/28/26 03:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 03:33	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 03:33	1
Toluene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 03:33	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 09:53	02/28/26 03:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/28/26 03:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 11:10	02/25/26 23:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 23:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			02/25/26 11:10	02/25/26 23:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		49	mg/Kg		03/02/26 10:15	03/02/26 18:14	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 0

Lab Sample ID: 885-43917-11

Date Collected: 02/19/26 09:50

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 09:53	02/28/26 04:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 09:53	02/28/26 04:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 09:53	02/28/26 04:17	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 09:53	02/28/26 04:17	1
Toluene	ND		0.047	mg/Kg		02/25/26 09:53	02/28/26 04:17	1
Xylenes, Total	ND		0.094	mg/Kg		02/25/26 09:53	02/28/26 04:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 09:53	02/28/26 04:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	260		9.9	mg/Kg		02/25/26 11:10	02/25/26 23:32	1
Motor Oil Range Organics [C28-C40]	190		50	mg/Kg		02/25/26 11:10	02/25/26 23:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/25/26 11:10	02/25/26 23:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11000		99	mg/Kg		03/02/26 10:15	03/04/26 19:09	20

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 1

Lab Sample ID: 885-43917-12

Date Collected: 02/19/26 09:55

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 09:53	02/28/26 04:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 09:53	02/28/26 04:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 04:39	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 04:39	1
Toluene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 04:39	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 09:53	02/28/26 04:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 09:53	02/28/26 04:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 11:10	02/25/26 23:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/25/26 23:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			02/25/26 11:10	02/25/26 23:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9200		100	mg/Kg		03/02/26 10:15	03/04/26 19:19	20

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Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 3

Lab Sample ID: 885-43917-13

Date Collected: 02/19/26 10:00

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 09:53	02/28/26 05:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 09:53	02/28/26 05:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 05:01	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 05:01	1
Toluene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 05:01	1
Xylenes, Total	ND		0.091	mg/Kg		02/25/26 09:53	02/28/26 05:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 09:53	02/28/26 05:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/25/26 11:10	02/25/26 23:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 11:10	02/25/26 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			02/25/26 11:10	02/25/26 23:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2700		50	mg/Kg		03/02/26 10:15	03/02/26 18:55	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 4

Lab Sample ID: 885-43917-14

Date Collected: 02/19/26 10:05

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 09:53	02/28/26 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 09:53	02/28/26 05:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/28/26 05:22	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 05:22	1
Toluene	ND		0.050	mg/Kg		02/25/26 09:53	02/28/26 05:22	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 09:53	02/28/26 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 09:53	02/28/26 05:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/25/26 11:10	02/26/26 00:04	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 11:10	02/26/26 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			02/25/26 11:10	02/26/26 00:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9500		99	mg/Kg		03/02/26 10:15	03/04/26 19:30	20

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 5

Lab Sample ID: 885-43917-15

Date Collected: 02/19/26 10:10

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 09:53	02/28/26 05:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 09:53	02/28/26 05:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 09:53	02/28/26 05:44	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 09:53	02/28/26 05:44	1
Toluene	ND		0.048	mg/Kg		02/25/26 09:53	02/28/26 05:44	1
Xylenes, Total	ND		0.095	mg/Kg		02/25/26 09:53	02/28/26 05:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/28/26 05:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 11:10	02/26/26 00:15	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/26/26 00:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			02/25/26 11:10	02/26/26 00:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6600		50	mg/Kg		03/02/26 10:15	03/02/26 19:22	10

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Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 6

Lab Sample ID: 885-43917-16

Date Collected: 02/19/26 10:15

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 09:53	02/28/26 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 09:53	02/28/26 06:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 09:53	02/28/26 06:06	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 06:06	1
Toluene	ND		0.049	mg/Kg		02/25/26 09:53	02/28/26 06:06	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 09:53	02/28/26 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/28/26 06:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 11:10	02/26/26 00:26	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/26/26 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			02/25/26 11:10	02/26/26 00:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		50	mg/Kg		03/02/26 10:15	03/02/26 20:03	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 7

Lab Sample ID: 885-43917-17

Date Collected: 02/19/26 10:20

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 09:53	02/28/26 06:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 09:53	02/28/26 06:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 06:28	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 09:53	02/28/26 06:28	1
Toluene	ND		0.047	mg/Kg		02/25/26 09:53	02/28/26 06:28	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 09:53	02/28/26 06:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/28/26 06:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/25/26 11:10	02/26/26 00:37	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/25/26 11:10	02/26/26 00:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			02/25/26 11:10	02/26/26 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	mg/Kg		03/02/26 10:15	03/02/26 20:17	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 8

Lab Sample ID: 885-43917-18

Date Collected: 02/19/26 10:25

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 09:53	02/28/26 06:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 09:53	02/28/26 06:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 06:49	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 09:53	02/28/26 06:49	1
Toluene	ND		0.047	mg/Kg		02/25/26 09:53	02/28/26 06:49	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 09:53	02/28/26 06:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/28/26 06:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/25/26 11:10	02/26/26 00:47	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/25/26 11:10	02/26/26 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			02/25/26 11:10	02/26/26 00:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		51	mg/Kg		03/02/26 10:15	03/02/26 20:30	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 9

Lab Sample ID: 885-43917-19

Date Collected: 02/19/26 10:30

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 09:53	02/28/26 07:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 09:53	02/28/26 07:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 07:11	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 07:11	1
Toluene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 07:11	1
Xylenes, Total	ND		0.091	mg/Kg		02/25/26 09:53	02/28/26 07:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 09:53	02/28/26 07:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 11:10	02/26/26 01:09	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/26/26 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			02/25/26 11:10	02/26/26 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		50	mg/Kg		03/02/26 10:15	03/02/26 20:44	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 10

Lab Sample ID: 885-43917-20

Date Collected: 02/19/26 10:35

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 09:53	02/28/26 07:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 09:53	02/28/26 07:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 09:53	02/28/26 07:33	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 07:33	1
Toluene	ND		0.046	mg/Kg		02/25/26 09:53	02/28/26 07:33	1
Xylenes, Total	ND		0.092	mg/Kg		02/25/26 09:53	02/28/26 07:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 09:53	02/28/26 07:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 11:10	02/26/26 01:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 11:10	02/26/26 01:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			02/25/26 11:10	02/26/26 01:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	920		51	mg/Kg		03/02/26 10:15	03/02/26 20:58	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 0

Lab Sample ID: 885-43917-21

Date Collected: 02/19/26 10:40

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 06:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 06:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 06:42	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 06:42	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 06:42	1
Xylenes, Total	ND		0.094	mg/Kg		02/25/26 12:11	03/01/26 06:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:11	03/01/26 06:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/25/26 14:05	02/26/26 04:46	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 04:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			02/25/26 14:05	02/26/26 04:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		03/02/26 10:15	03/02/26 21:11	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 1

Lab Sample ID: 885-43917-22

Date Collected: 02/19/26 10:45

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 07:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/25/26 12:11	03/01/26 07:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 07:48	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 07:48	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 07:48	1
Xylenes, Total	ND		0.095	mg/Kg		02/25/26 12:11	03/01/26 07:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:11	03/01/26 07:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 14:05	02/26/26 04:58	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 04:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			02/25/26 14:05	02/26/26 04:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	F1	51	mg/Kg		02/27/26 14:41	03/01/26 11:57	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 2

Lab Sample ID: 885-43917-23

Date Collected: 02/19/26 10:50

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 12:11	03/01/26 08:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 08:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:11	03/01/26 08:53	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 12:11	03/01/26 08:53	1
Toluene	ND		0.050	mg/Kg		02/25/26 12:11	03/01/26 08:53	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 12:11	03/01/26 08:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 12:11	03/01/26 08:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		02/25/26 14:05	02/26/26 05:09	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 05:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			02/25/26 14:05	02/26/26 05:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		02/27/26 14:41	03/01/26 12:29	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 3

Lab Sample ID: 885-43917-24

Date Collected: 02/19/26 10:55

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:11	03/01/26 09:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 09:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 09:14	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:11	03/01/26 09:14	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:11	03/01/26 09:14	1
Xylenes, Total	ND		0.096	mg/Kg		02/25/26 12:11	03/01/26 09:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:11	03/01/26 09:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 14:05	02/26/26 05:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 05:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			02/25/26 14:05	02/26/26 05:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53		50	mg/Kg		02/27/26 14:41	03/01/26 13:00	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 4

Lab Sample ID: 885-43917-25

Date Collected: 02/19/26 11:00

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 12:11	03/01/26 09:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 09:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 09:36	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 09:36	1
Toluene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 09:36	1
Xylenes, Total	ND		0.092	mg/Kg		02/25/26 12:11	03/01/26 09:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:11	03/01/26 09:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 14:05	02/26/26 05:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 05:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			02/25/26 14:05	02/26/26 05:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56		49	mg/Kg		02/27/26 14:41	03/01/26 13:10	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-04 0

Lab Sample ID: 885-43917-26

Date Collected: 02/19/26 11:05

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:11	03/01/26 09:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/25/26 12:11	03/01/26 09:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 09:58	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:11	03/01/26 09:58	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:11	03/01/26 09:58	1
Xylenes, Total	ND		0.096	mg/Kg		02/25/26 12:11	03/01/26 09:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:11	03/01/26 09:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/25/26 14:05	02/26/26 05:43	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/25/26 14:05	02/26/26 05:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			02/25/26 14:05	02/26/26 05:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56		49	mg/Kg		02/27/26 14:41	03/01/26 13:41	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-04 1

Lab Sample ID: 885-43917-27

Date Collected: 02/19/26 11:10

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 12:11	03/01/26 10:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 10:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:11	03/01/26 10:20	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 12:11	03/01/26 10:20	1
Toluene	ND		0.050	mg/Kg		02/25/26 12:11	03/01/26 10:20	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 12:11	03/01/26 10:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 12:11	03/01/26 10:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/25/26 14:05	02/26/26 05:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 05:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			02/25/26 14:05	02/26/26 05:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87		50	mg/Kg		02/27/26 14:41	03/01/26 13:51	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-04 2

Lab Sample ID: 885-43917-28

Date Collected: 02/19/26 11:15

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:11	03/01/26 10:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			02/25/26 12:11	03/01/26 10:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 10:41	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 10:41	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 10:41	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 12:11	03/01/26 10:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 12:11	03/01/26 10:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		02/25/26 14:05	02/26/26 06:06	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			02/25/26 14:05	02/26/26 06:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		50	mg/Kg		02/27/26 14:41	03/01/26 14:02	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-04 3

Lab Sample ID: 885-43917-29

Date Collected: 02/19/26 11:20

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 11:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			02/25/26 12:11	03/01/26 11:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 11:03	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 11:03	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 11:03	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 12:11	03/01/26 11:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 12:11	03/01/26 11:03	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		02/25/26 14:05	02/26/26 06:29	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/25/26 14:05	02/26/26 06:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			02/25/26 14:05	02/26/26 06:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		51	mg/Kg		02/27/26 14:41	03/01/26 14:12	10

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Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-04 4

Lab Sample ID: 885-43917-30

Date Collected: 02/19/26 11:25

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:11	03/01/26 11:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			02/25/26 12:11	03/01/26 11:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:11	03/01/26 11:25	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 11:25	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 11:25	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 12:11	03/01/26 11:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 12:11	03/01/26 11:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		02/25/26 14:05	02/26/26 06:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 06:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			02/25/26 14:05	02/26/26 06:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		49	mg/Kg		02/27/26 14:41	03/01/26 14:22	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 0

Lab Sample ID: 885-43917-31

Date Collected: 02/19/26 11:30

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:11	03/01/26 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			02/25/26 12:11	03/01/26 12:09	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:11	03/01/26 12:09	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 12:09	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 12:09	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 12:11	03/01/26 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:11	03/01/26 12:09	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/25/26 14:05	02/26/26 06:52	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 06:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			02/25/26 14:05	02/26/26 06:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760		50	mg/Kg		02/27/26 14:41	03/01/26 14:33	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 1

Lab Sample ID: 885-43917-32

Date Collected: 02/19/26 11:35

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 12:11	03/01/26 12:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 12:31	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 12:31	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 12:31	1
Xylenes, Total	ND		0.095	mg/Kg		02/25/26 12:11	03/01/26 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:11	03/01/26 12:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/25/26 14:05	02/26/26 07:03	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 07:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			02/25/26 14:05	02/26/26 07:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		50	mg/Kg		02/27/26 14:41	03/01/26 14:43	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 2

Lab Sample ID: 885-43917-33

Date Collected: 02/19/26 11:40

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 12:11	03/01/26 12:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			02/25/26 12:11	03/01/26 12:52	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 12:52	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 12:52	1
Toluene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 12:52	1
Xylenes, Total	ND		0.091	mg/Kg		02/25/26 12:11	03/01/26 12:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:11	03/01/26 12:52	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 14:05	02/26/26 07:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 14:05	02/26/26 07:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			02/25/26 14:05	02/26/26 07:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		50	mg/Kg		02/27/26 14:41	03/01/26 14:53	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 3

Lab Sample ID: 885-43917-34

Date Collected: 02/19/26 11:45

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 12:11	03/01/26 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 12:11	03/01/26 13:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 13:14	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 13:14	1
Toluene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 13:14	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 12:11	03/01/26 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			02/25/26 12:11	03/01/26 13:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 14:05	02/26/26 07:26	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 07:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			02/25/26 14:05	02/26/26 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		50	mg/Kg		02/27/26 14:41	03/01/26 15:04	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 4

Lab Sample ID: 885-43917-35

Date Collected: 02/19/26 11:50

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:11	03/01/26 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 13:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 13:36	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:11	03/01/26 13:36	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:11	03/01/26 13:36	1
Xylenes, Total	ND		0.096	mg/Kg		02/25/26 12:11	03/01/26 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			02/25/26 12:11	03/01/26 13:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		02/25/26 14:05	02/26/26 07:37	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/25/26 14:05	02/26/26 07:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			02/25/26 14:05	02/26/26 07:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		49	mg/Kg		02/27/26 14:41	03/01/26 15:14	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-06 0

Lab Sample ID: 885-43917-36

Date Collected: 02/19/26 11:55

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/25/26 12:11	03/01/26 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/25/26 12:11	03/01/26 13:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 13:58	1
Ethylbenzene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 13:58	1
Toluene	ND		0.046	mg/Kg		02/25/26 12:11	03/01/26 13:58	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 12:11	03/01/26 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 12:11	03/01/26 13:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		02/25/26 14:05	02/26/26 07:48	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 07:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			02/25/26 14:05	02/26/26 07:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	640		50	mg/Kg		02/27/26 14:41	03/01/26 15:45	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-06 1

Lab Sample ID: 885-43917-37

Date Collected: 02/19/26 13:00

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 14:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/25/26 12:11	03/01/26 14:19	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 14:19	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 14:19	1
Xylenes, Total	ND		0.093	mg/Kg		02/25/26 12:11	03/01/26 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 12:11	03/01/26 14:19	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/25/26 14:05	02/26/26 08:00	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/25/26 14:05	02/26/26 08:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			02/25/26 14:05	02/26/26 08:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730		50	mg/Kg		02/27/26 14:41	03/01/26 15:55	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-06 2

Lab Sample ID: 885-43917-38

Date Collected: 02/19/26 13:05

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/25/26 12:11	03/01/26 14:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 14:41	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 14:41	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 14:41	1
Xylenes, Total	ND		0.095	mg/Kg		02/25/26 12:11	03/01/26 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:11	03/01/26 14:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/25/26 14:05	02/26/26 08:11	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 14:05	02/26/26 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			02/25/26 14:05	02/26/26 08:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		50	mg/Kg		02/27/26 14:41	03/01/26 16:06	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-06 3

Lab Sample ID: 885-43917-39

Date Collected: 02/19/26 13:10

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:11	03/01/26 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			02/25/26 12:11	03/01/26 15:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 15:03	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 15:03	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:11	03/01/26 15:03	1
Xylenes, Total	ND		0.094	mg/Kg		02/25/26 12:11	03/01/26 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 12:11	03/01/26 15:03	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/25/26 14:05	02/26/26 08:34	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 14:05	02/26/26 08:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			02/25/26 14:05	02/26/26 08:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		50	mg/Kg		02/27/26 14:41	03/01/26 16:16	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-06 4

Lab Sample ID: 885-43917-40

Date Collected: 02/19/26 13:15

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:11	03/01/26 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			02/25/26 12:11	03/01/26 15:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:11	03/01/26 15:25	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 15:25	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:11	03/01/26 15:25	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 12:11	03/01/26 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/25/26 12:11	03/01/26 15:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F1 F2	9.2	mg/Kg		02/25/26 14:05	02/26/26 08:45	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/25/26 14:05	02/26/26 08:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			02/25/26 14:05	02/26/26 08:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96		50	mg/Kg		02/27/26 14:41	03/01/26 16:26	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 2

Lab Sample ID: 885-43917-51

Date Collected: 02/19/26 10:00

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:59	03/02/26 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:59	03/02/26 22:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 22:32	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 22:32	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 22:32	1
Xylenes, Total	ND		0.096	mg/Kg		02/25/26 12:59	03/02/26 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/25/26 12:59	03/02/26 22:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/25/26 13:55	02/26/26 04:02	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 13:55	02/26/26 04:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			02/25/26 13:55	02/26/26 04:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3000		50	mg/Kg		02/27/26 15:30	03/01/26 14:20	10

QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-43848/1-A
Matrix: Solid
Analysis Batch: 44054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43848

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 09:53	02/27/26 22:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/25/26 09:53	02/27/26 22:29	1

Lab Sample ID: LCS 885-43848/2-A
Matrix: Solid
Analysis Batch: 44054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.1		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	208		15 - 150				

Lab Sample ID: MB 885-43876/1-A
Matrix: Solid
Analysis Batch: 44090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43876

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 12:10	03/01/26 06:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/25/26 12:10	03/01/26 06:21	1

Lab Sample ID: LCS 885-43876/2-A
Matrix: Solid
Analysis Batch: 44090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	21.5		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	211		15 - 150				

Lab Sample ID: 885-43917-21 MS
Matrix: Solid
Analysis Batch: 44090

Client Sample ID: TP26-03 0
Prep Type: Total/NA
Prep Batch: 43876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.2	18.6		mg/Kg		77	70 - 130

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-43917-21 MS
Matrix: Solid
Analysis Batch: 44090

Client Sample ID: TP26-03 0
Prep Type: Total/NA
Prep Batch: 43876

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	200		15 - 150

Lab Sample ID: 885-43917-21 MSD
Matrix: Solid
Analysis Batch: 44090

Client Sample ID: TP26-03 0
Prep Type: Total/NA
Prep Batch: 43876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.3	19.5		mg/Kg		80	70 - 130	5	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	208		15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-43848/1-A
Matrix: Solid
Analysis Batch: 44053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43848

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 09:53	02/27/26 22:29	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 09:53	02/27/26 22:29	1
Toluene	ND		0.050	mg/Kg		02/25/26 09:53	02/27/26 22:29	1
Xylenes, Total	ND		0.10	mg/Kg		02/25/26 09:53	02/27/26 22:29	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150	02/25/26 09:53	02/27/26 22:29	1

Lab Sample ID: LCS 885-43848/3-A
Matrix: Solid
Analysis Batch: 44053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.01		mg/Kg		101	70 - 130
Ethylbenzene	1.00	1.02		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	2.00	2.04		mg/Kg		102	70 - 130
o-Xylene	1.00	1.01		mg/Kg		101	70 - 130
Toluene	1.00	1.01		mg/Kg		101	70 - 130

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		15 - 150

Lab Sample ID: 885-43917-2 MS
Matrix: Solid
Analysis Batch: 44053

Client Sample ID: TP26-01 1
Prep Type: Total/NA
Prep Batch: 43848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.949	0.982		mg/Kg		104	70 - 130

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-43917-2 MS
Matrix: Solid
Analysis Batch: 44053

Client Sample ID: TP26-01 1
Prep Type: Total/NA
Prep Batch: 43848

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	ND		0.949	0.990		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	ND		1.90	1.99		mg/Kg		105	70 - 130
o-Xylene	ND		0.949	0.982		mg/Kg		104	70 - 130
Toluene	ND		0.949	0.993		mg/Kg		105	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		15 - 150

Lab Sample ID: 885-43917-2 MSD
Matrix: Solid
Analysis Batch: 44053

Client Sample ID: TP26-01 1
Prep Type: Total/NA
Prep Batch: 43848

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier					Limit	
Benzene	ND		0.957	1.00		mg/Kg		105	70 - 130	2	20
Ethylbenzene	ND		0.957	1.01		mg/Kg		105	70 - 130	2	20
m-Xylene & p-Xylene	ND		1.91	2.03		mg/Kg		106	70 - 130	2	20
o-Xylene	ND		0.957	1.00		mg/Kg		105	70 - 130	2	20
Toluene	ND		0.957	1.00		mg/Kg		105	70 - 130	1	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		15 - 150

Lab Sample ID: MB 885-43876/1-A
Matrix: Solid
Analysis Batch: 44089

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43876

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		02/25/26 12:10	03/01/26 06:21	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 12:10	03/01/26 06:21	1
Toluene	ND		0.050	mg/Kg		02/25/26 12:10	03/01/26 06:21	1
Xylenes, Total	ND		0.10	mg/Kg		02/25/26 12:10	03/01/26 06:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	98		15 - 150	02/25/26 12:10	03/01/26 06:21	1

Lab Sample ID: LCS 885-43876/3-A
Matrix: Solid
Analysis Batch: 44089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43876

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	0.921		mg/Kg		92	70 - 130
Ethylbenzene	1.00	0.900		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	2.00	1.83		mg/Kg		91	70 - 130
o-Xylene	1.00	0.891		mg/Kg		89	70 - 130
Toluene	1.00	0.908		mg/Kg		91	70 - 130

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-43876/3-A
Matrix: Solid
Analysis Batch: 44089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43876

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		15 - 150

Lab Sample ID: 885-43917-22 MS
Matrix: Solid
Analysis Batch: 44089

Client Sample ID: TP26-03 1
Prep Type: Total/NA
Prep Batch: 43876

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Benzene	ND		0.991	0.926		mg/Kg		93		70 - 130
Ethylbenzene	ND		0.991	0.910		mg/Kg		92		70 - 130
m-Xylene & p-Xylene	ND		1.98	1.86		mg/Kg		94		70 - 130
o-Xylene	ND		0.991	0.923		mg/Kg		93		70 - 130
Toluene	ND		0.991	0.921		mg/Kg		93		70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		15 - 150

Lab Sample ID: 885-43917-22 MSD
Matrix: Solid
Analysis Batch: 44089

Client Sample ID: TP26-03 1
Prep Type: Total/NA
Prep Batch: 43876

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Benzene	ND		0.997	0.943		mg/Kg		95		70 - 130	2		20
Ethylbenzene	ND		0.997	0.930		mg/Kg		93		70 - 130	2		20
m-Xylene & p-Xylene	ND		1.99	1.85		mg/Kg		93		70 - 130	0		20
o-Xylene	ND		0.997	0.924		mg/Kg		93		70 - 130	0		20
Toluene	ND		0.997	0.936		mg/Kg		94		70 - 130	2		20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		15 - 150

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-43874/1-A
Matrix: Solid
Analysis Batch: 43846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43874

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/25/26 11:10	02/25/26 21:10	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 11:10	02/25/26 21:10	1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier				
Di-n-octyl phthalate (Surr)	106		62 - 134	02/25/26 11:10	02/25/26 21:10	1

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-43874/2-A
Matrix: Solid
Analysis Batch: 43846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	69.8		mg/Kg		140	51 - 148
Surrogate		LCS %Recovery	LCS Qualifier				Limits
Di-n-octyl phthalate (Surr)		119					62 - 134

Lab Sample ID: 885-43917-20 MS
Matrix: Solid
Analysis Batch: 43846

Client Sample ID: TP26-02 10
Prep Type: Total/NA
Prep Batch: 43874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		49.6	55.2		mg/Kg		111	44 - 136
Surrogate		MS %Recovery		MS Qualifier					Limits
Di-n-octyl phthalate (Surr)		104							62 - 134

Lab Sample ID: 885-43917-20 MSD
Matrix: Solid
Analysis Batch: 43846

Client Sample ID: TP26-02 10
Prep Type: Total/NA
Prep Batch: 43874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.8	52.3		mg/Kg		107	44 - 136	5	32
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
Di-n-octyl phthalate (Surr)		98							62 - 134		

Lab Sample ID: MB 885-43887/1-A
Matrix: Solid
Analysis Batch: 43838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43887

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/25/26 14:05	02/26/26 04:23	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 14:05	02/26/26 04:23	1
Surrogate		MB %Recovery				Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)		78				02/25/26 14:05	02/26/26 04:23	1

Lab Sample ID: LCS 885-43887/2-A
Matrix: Solid
Analysis Batch: 43838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.2		mg/Kg		92	51 - 148

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-43887/2-A
Matrix: Solid
Analysis Batch: 43838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43887

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	80		62 - 134

Lab Sample ID: 885-43917-40 MS
Matrix: Solid
Analysis Batch: 43838

Client Sample ID: TP26-06 4
Prep Type: Total/NA
Prep Batch: 43887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	F1 F2	46.5	79.3	F1	mg/Kg		171	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	88		62 - 134

Lab Sample ID: 885-43917-40 MSD
Matrix: Solid
Analysis Batch: 43838

Client Sample ID: TP26-06 4
Prep Type: Total/NA
Prep Batch: 43887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	F1 F2	45.9	38.9	F2	mg/Kg		85	44 - 136	68	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-44056/1-A
Matrix: Solid
Analysis Batch: 44099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44056

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		02/27/26 14:41	03/01/26 11:33	1

Lab Sample ID: LCS 885-44056/2-A
Matrix: Solid
Analysis Batch: 44099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.5	50.4		mg/Kg		100	90 - 110

Lab Sample ID: 885-43917-22 MS
Matrix: Solid
Analysis Batch: 44099

Client Sample ID: TP26-03 1
Prep Type: Total/NA
Prep Batch: 44056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND	F1	50.7	79.3		mg/Kg		NC	50 - 150

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QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-43917-23 MS
Matrix: Solid
Analysis Batch: 44099

Client Sample ID: TP26-03 2
Prep Type: Total/NA
Prep Batch: 44056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		49.5	74.4		mg/Kg		NC	50 - 150

Lab Sample ID: 885-43917-23 MSD
Matrix: Solid
Analysis Batch: 44099

Client Sample ID: TP26-03 2
Prep Type: Total/NA
Prep Batch: 44056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		49.7	72.4		mg/Kg		NC	50 - 150	3	20

Lab Sample ID: MB 885-44125/1-A
Matrix: Solid
Analysis Batch: 44149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		03/02/26 10:15	03/02/26 14:36	1

Lab Sample ID: LCS 885-44125/2-A
Matrix: Solid
Analysis Batch: 44149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.2	46.9		mg/Kg		95	90 - 110

Lab Sample ID: 885-43917-2 MS
Matrix: Solid
Analysis Batch: 44149

Client Sample ID: TP26-01 1
Prep Type: Total/NA
Prep Batch: 44125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	800		50.8	805	4	mg/Kg		1	50 - 150

Lab Sample ID: 885-43917-2 MSD
Matrix: Solid
Analysis Batch: 44149

Client Sample ID: TP26-01 1
Prep Type: Total/NA
Prep Batch: 44125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	800		50.8	739	4	mg/Kg		-129	50 - 150	9	20

Lab Sample ID: 885-43917-3 MS
Matrix: Solid
Analysis Batch: 44149

Client Sample ID: TP26-01 2
Prep Type: Total/NA
Prep Batch: 44125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3800		50.7	3680	4	mg/Kg		-169	50 - 150

Lab Sample ID: 885-43917-3 MSD
Matrix: Solid
Analysis Batch: 44149

Client Sample ID: TP26-01 2
Prep Type: Total/NA
Prep Batch: 44125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3800		49.8	3810	4	mg/Kg		92	50 - 150	4	20

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QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

GC VOA

Prep Batch: 43848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	5030C	
885-43917-3	TP26-01 2	Total/NA	Solid	5030C	
885-43917-4	TP26-01 3	Total/NA	Solid	5030C	
885-43917-5	TP26-01 4	Total/NA	Solid	5030C	
885-43917-6	TP26-01 5	Total/NA	Solid	5030C	
885-43917-7	TP26-01 6	Total/NA	Solid	5030C	
885-43917-8	TP26-01 7	Total/NA	Solid	5030C	
885-43917-9	TP26-01 8	Total/NA	Solid	5030C	
885-43917-10	TP26-01 9	Total/NA	Solid	5030C	
885-43917-11	TP26-02 0	Total/NA	Solid	5030C	
885-43917-12	TP26-02 1	Total/NA	Solid	5030C	
885-43917-13	TP26-02 3	Total/NA	Solid	5030C	
885-43917-14	TP26-02 4	Total/NA	Solid	5030C	
885-43917-15	TP26-02 5	Total/NA	Solid	5030C	
885-43917-16	TP26-02 6	Total/NA	Solid	5030C	
885-43917-17	TP26-02 7	Total/NA	Solid	5030C	
885-43917-18	TP26-02 8	Total/NA	Solid	5030C	
885-43917-19	TP26-02 9	Total/NA	Solid	5030C	
885-43917-20	TP26-02 10	Total/NA	Solid	5030C	
MB 885-43848/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43848/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43848/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-43917-2 MS	TP26-01 1	Total/NA	Solid	5030C	
885-43917-2 MSD	TP26-01 1	Total/NA	Solid	5030C	

Prep Batch: 43876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-21	TP26-03 0	Total/NA	Solid	5030C	
885-43917-22	TP26-03 1	Total/NA	Solid	5030C	
885-43917-23	TP26-03 2	Total/NA	Solid	5030C	
885-43917-24	TP26-03 3	Total/NA	Solid	5030C	
885-43917-25	TP26-03 4	Total/NA	Solid	5030C	
885-43917-26	TP26-04 0	Total/NA	Solid	5030C	
885-43917-27	TP26-04 1	Total/NA	Solid	5030C	
885-43917-28	TP26-04 2	Total/NA	Solid	5030C	
885-43917-29	TP26-04 3	Total/NA	Solid	5030C	
885-43917-30	TP26-04 4	Total/NA	Solid	5030C	
885-43917-31	TP26-05 0	Total/NA	Solid	5030C	
885-43917-32	TP26-05 1	Total/NA	Solid	5030C	
885-43917-33	TP26-05 2	Total/NA	Solid	5030C	
885-43917-34	TP26-05 3	Total/NA	Solid	5030C	
885-43917-35	TP26-05 4	Total/NA	Solid	5030C	
885-43917-36	TP26-06 0	Total/NA	Solid	5030C	
885-43917-37	TP26-06 1	Total/NA	Solid	5030C	
885-43917-38	TP26-06 2	Total/NA	Solid	5030C	
885-43917-39	TP26-06 3	Total/NA	Solid	5030C	
885-43917-40	TP26-06 4	Total/NA	Solid	5030C	
MB 885-43876/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43876/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43876/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-43917-21 MS	TP26-03 0	Total/NA	Solid	5030C	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

GC VOA (Continued)

Prep Batch: 43876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-21 MSD	TP26-03 0	Total/NA	Solid	5030C	
885-43917-22 MS	TP26-03 1	Total/NA	Solid	5030C	
885-43917-22 MSD	TP26-03 1	Total/NA	Solid	5030C	

Prep Batch: 43882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-51	TP26-02 2	Total/NA	Solid	5030C	

Analysis Batch: 44053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	8021B	43848
885-43917-3	TP26-01 2	Total/NA	Solid	8021B	43848
885-43917-4	TP26-01 3	Total/NA	Solid	8021B	43848
885-43917-5	TP26-01 4	Total/NA	Solid	8021B	43848
885-43917-6	TP26-01 5	Total/NA	Solid	8021B	43848
885-43917-7	TP26-01 6	Total/NA	Solid	8021B	43848
885-43917-8	TP26-01 7	Total/NA	Solid	8021B	43848
885-43917-9	TP26-01 8	Total/NA	Solid	8021B	43848
885-43917-10	TP26-01 9	Total/NA	Solid	8021B	43848
885-43917-11	TP26-02 0	Total/NA	Solid	8021B	43848
885-43917-12	TP26-02 1	Total/NA	Solid	8021B	43848
885-43917-13	TP26-02 3	Total/NA	Solid	8021B	43848
885-43917-14	TP26-02 4	Total/NA	Solid	8021B	43848
885-43917-15	TP26-02 5	Total/NA	Solid	8021B	43848
885-43917-16	TP26-02 6	Total/NA	Solid	8021B	43848
885-43917-17	TP26-02 7	Total/NA	Solid	8021B	43848
885-43917-18	TP26-02 8	Total/NA	Solid	8021B	43848
885-43917-19	TP26-02 9	Total/NA	Solid	8021B	43848
885-43917-20	TP26-02 10	Total/NA	Solid	8021B	43848
MB 885-43848/1-A	Method Blank	Total/NA	Solid	8021B	43848
LCS 885-43848/3-A	Lab Control Sample	Total/NA	Solid	8021B	43848
885-43917-2 MS	TP26-01 1	Total/NA	Solid	8021B	43848
885-43917-2 MSD	TP26-01 1	Total/NA	Solid	8021B	43848

Analysis Batch: 44054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	8015M/D	43848
885-43917-3	TP26-01 2	Total/NA	Solid	8015M/D	43848
885-43917-4	TP26-01 3	Total/NA	Solid	8015M/D	43848
885-43917-5	TP26-01 4	Total/NA	Solid	8015M/D	43848
885-43917-6	TP26-01 5	Total/NA	Solid	8015M/D	43848
885-43917-7	TP26-01 6	Total/NA	Solid	8015M/D	43848
885-43917-8	TP26-01 7	Total/NA	Solid	8015M/D	43848
885-43917-9	TP26-01 8	Total/NA	Solid	8015M/D	43848
885-43917-10	TP26-01 9	Total/NA	Solid	8015M/D	43848
885-43917-11	TP26-02 0	Total/NA	Solid	8015M/D	43848
885-43917-12	TP26-02 1	Total/NA	Solid	8015M/D	43848
885-43917-13	TP26-02 3	Total/NA	Solid	8015M/D	43848
885-43917-14	TP26-02 4	Total/NA	Solid	8015M/D	43848
885-43917-15	TP26-02 5	Total/NA	Solid	8015M/D	43848
885-43917-16	TP26-02 6	Total/NA	Solid	8015M/D	43848

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

GC VOA (Continued)

Analysis Batch: 44054 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-17	TP26-02 7	Total/NA	Solid	8015M/D	43848
885-43917-18	TP26-02 8	Total/NA	Solid	8015M/D	43848
885-43917-19	TP26-02 9	Total/NA	Solid	8015M/D	43848
885-43917-20	TP26-02 10	Total/NA	Solid	8015M/D	43848
MB 885-43848/1-A	Method Blank	Total/NA	Solid	8015M/D	43848
LCS 885-43848/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43848

Analysis Batch: 44089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-21	TP26-03 0	Total/NA	Solid	8021B	43876
885-43917-22	TP26-03 1	Total/NA	Solid	8021B	43876
885-43917-23	TP26-03 2	Total/NA	Solid	8021B	43876
885-43917-24	TP26-03 3	Total/NA	Solid	8021B	43876
885-43917-25	TP26-03 4	Total/NA	Solid	8021B	43876
885-43917-26	TP26-04 0	Total/NA	Solid	8021B	43876
885-43917-27	TP26-04 1	Total/NA	Solid	8021B	43876
885-43917-28	TP26-04 2	Total/NA	Solid	8021B	43876
885-43917-29	TP26-04 3	Total/NA	Solid	8021B	43876
885-43917-30	TP26-04 4	Total/NA	Solid	8021B	43876
885-43917-31	TP26-05 0	Total/NA	Solid	8021B	43876
885-43917-32	TP26-05 1	Total/NA	Solid	8021B	43876
885-43917-33	TP26-05 2	Total/NA	Solid	8021B	43876
885-43917-34	TP26-05 3	Total/NA	Solid	8021B	43876
885-43917-35	TP26-05 4	Total/NA	Solid	8021B	43876
885-43917-36	TP26-06 0	Total/NA	Solid	8021B	43876
885-43917-37	TP26-06 1	Total/NA	Solid	8021B	43876
885-43917-38	TP26-06 2	Total/NA	Solid	8021B	43876
885-43917-39	TP26-06 3	Total/NA	Solid	8021B	43876
885-43917-40	TP26-06 4	Total/NA	Solid	8021B	43876
MB 885-43876/1-A	Method Blank	Total/NA	Solid	8021B	43876
LCS 885-43876/3-A	Lab Control Sample	Total/NA	Solid	8021B	43876
885-43917-22 MS	TP26-03 1	Total/NA	Solid	8021B	43876
885-43917-22 MSD	TP26-03 1	Total/NA	Solid	8021B	43876

Analysis Batch: 44090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-21	TP26-03 0	Total/NA	Solid	8015M/D	43876
885-43917-22	TP26-03 1	Total/NA	Solid	8015M/D	43876
885-43917-23	TP26-03 2	Total/NA	Solid	8015M/D	43876
885-43917-24	TP26-03 3	Total/NA	Solid	8015M/D	43876
885-43917-25	TP26-03 4	Total/NA	Solid	8015M/D	43876
885-43917-26	TP26-04 0	Total/NA	Solid	8015M/D	43876
885-43917-27	TP26-04 1	Total/NA	Solid	8015M/D	43876
885-43917-28	TP26-04 2	Total/NA	Solid	8015M/D	43876
885-43917-29	TP26-04 3	Total/NA	Solid	8015M/D	43876
885-43917-30	TP26-04 4	Total/NA	Solid	8015M/D	43876
885-43917-31	TP26-05 0	Total/NA	Solid	8015M/D	43876
885-43917-32	TP26-05 1	Total/NA	Solid	8015M/D	43876
885-43917-33	TP26-05 2	Total/NA	Solid	8015M/D	43876
885-43917-34	TP26-05 3	Total/NA	Solid	8015M/D	43876
885-43917-35	TP26-05 4	Total/NA	Solid	8015M/D	43876

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

GC VOA (Continued)

Analysis Batch: 44090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-36	TP26-06 0	Total/NA	Solid	8015M/D	43876
885-43917-37	TP26-06 1	Total/NA	Solid	8015M/D	43876
885-43917-38	TP26-06 2	Total/NA	Solid	8015M/D	43876
885-43917-39	TP26-06 3	Total/NA	Solid	8015M/D	43876
885-43917-40	TP26-06 4	Total/NA	Solid	8015M/D	43876
MB 885-43876/1-A	Method Blank	Total/NA	Solid	8015M/D	43876
LCS 885-43876/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43876
885-43917-21 MS	TP26-03 0	Total/NA	Solid	8015M/D	43876
885-43917-21 MSD	TP26-03 0	Total/NA	Solid	8015M/D	43876

Analysis Batch: 44123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-51	TP26-02 2	Total/NA	Solid	8015M/D	43882

Analysis Batch: 44124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-51	TP26-02 2	Total/NA	Solid	8021B	43882

GC Semi VOA

Analysis Batch: 43838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-21	TP26-03 0	Total/NA	Solid	8015M/D	43887
885-43917-22	TP26-03 1	Total/NA	Solid	8015M/D	43887
885-43917-23	TP26-03 2	Total/NA	Solid	8015M/D	43887
885-43917-24	TP26-03 3	Total/NA	Solid	8015M/D	43887
885-43917-25	TP26-03 4	Total/NA	Solid	8015M/D	43887
885-43917-26	TP26-04 0	Total/NA	Solid	8015M/D	43887
885-43917-27	TP26-04 1	Total/NA	Solid	8015M/D	43887
885-43917-28	TP26-04 2	Total/NA	Solid	8015M/D	43887
885-43917-29	TP26-04 3	Total/NA	Solid	8015M/D	43887
885-43917-30	TP26-04 4	Total/NA	Solid	8015M/D	43887
885-43917-31	TP26-05 0	Total/NA	Solid	8015M/D	43887
885-43917-32	TP26-05 1	Total/NA	Solid	8015M/D	43887
885-43917-33	TP26-05 2	Total/NA	Solid	8015M/D	43887
885-43917-34	TP26-05 3	Total/NA	Solid	8015M/D	43887
885-43917-35	TP26-05 4	Total/NA	Solid	8015M/D	43887
885-43917-36	TP26-06 0	Total/NA	Solid	8015M/D	43887
885-43917-37	TP26-06 1	Total/NA	Solid	8015M/D	43887
885-43917-38	TP26-06 2	Total/NA	Solid	8015M/D	43887
885-43917-39	TP26-06 3	Total/NA	Solid	8015M/D	43887
885-43917-40	TP26-06 4	Total/NA	Solid	8015M/D	43887
MB 885-43887/1-A	Method Blank	Total/NA	Solid	8015M/D	43887
LCS 885-43887/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43887
885-43917-40 MS	TP26-06 4	Total/NA	Solid	8015M/D	43887
885-43917-40 MSD	TP26-06 4	Total/NA	Solid	8015M/D	43887

Analysis Batch: 43846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	8015M/D	43874
885-43917-3	TP26-01 2	Total/NA	Solid	8015M/D	43874

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

GC Semi VOA (Continued)

Analysis Batch: 43846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-4	TP26-01 3	Total/NA	Solid	8015M/D	43874
885-43917-5	TP26-01 4	Total/NA	Solid	8015M/D	43874
885-43917-6	TP26-01 5	Total/NA	Solid	8015M/D	43874
885-43917-7	TP26-01 6	Total/NA	Solid	8015M/D	43874
885-43917-8	TP26-01 7	Total/NA	Solid	8015M/D	43874
885-43917-9	TP26-01 8	Total/NA	Solid	8015M/D	43874
885-43917-10	TP26-01 9	Total/NA	Solid	8015M/D	43874
885-43917-11	TP26-02 0	Total/NA	Solid	8015M/D	43874
885-43917-12	TP26-02 1	Total/NA	Solid	8015M/D	43874
885-43917-13	TP26-02 3	Total/NA	Solid	8015M/D	43874
885-43917-14	TP26-02 4	Total/NA	Solid	8015M/D	43874
885-43917-15	TP26-02 5	Total/NA	Solid	8015M/D	43874
885-43917-16	TP26-02 6	Total/NA	Solid	8015M/D	43874
885-43917-17	TP26-02 7	Total/NA	Solid	8015M/D	43874
885-43917-18	TP26-02 8	Total/NA	Solid	8015M/D	43874
885-43917-19	TP26-02 9	Total/NA	Solid	8015M/D	43874
885-43917-20	TP26-02 10	Total/NA	Solid	8015M/D	43874
885-43917-51	TP26-02 2	Total/NA	Solid	8015M/D	43886
MB 885-43874/1-A	Method Blank	Total/NA	Solid	8015M/D	43874
LCS 885-43874/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43874
885-43917-20 MS	TP26-02 10	Total/NA	Solid	8015M/D	43874
885-43917-20 MSD	TP26-02 10	Total/NA	Solid	8015M/D	43874

Prep Batch: 43874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	SHAKE	
885-43917-3	TP26-01 2	Total/NA	Solid	SHAKE	
885-43917-4	TP26-01 3	Total/NA	Solid	SHAKE	
885-43917-5	TP26-01 4	Total/NA	Solid	SHAKE	
885-43917-6	TP26-01 5	Total/NA	Solid	SHAKE	
885-43917-7	TP26-01 6	Total/NA	Solid	SHAKE	
885-43917-8	TP26-01 7	Total/NA	Solid	SHAKE	
885-43917-9	TP26-01 8	Total/NA	Solid	SHAKE	
885-43917-10	TP26-01 9	Total/NA	Solid	SHAKE	
885-43917-11	TP26-02 0	Total/NA	Solid	SHAKE	
885-43917-12	TP26-02 1	Total/NA	Solid	SHAKE	
885-43917-13	TP26-02 3	Total/NA	Solid	SHAKE	
885-43917-14	TP26-02 4	Total/NA	Solid	SHAKE	
885-43917-15	TP26-02 5	Total/NA	Solid	SHAKE	
885-43917-16	TP26-02 6	Total/NA	Solid	SHAKE	
885-43917-17	TP26-02 7	Total/NA	Solid	SHAKE	
885-43917-18	TP26-02 8	Total/NA	Solid	SHAKE	
885-43917-19	TP26-02 9	Total/NA	Solid	SHAKE	
885-43917-20	TP26-02 10	Total/NA	Solid	SHAKE	
MB 885-43874/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43874/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-43917-20 MS	TP26-02 10	Total/NA	Solid	SHAKE	
885-43917-20 MSD	TP26-02 10	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

GC Semi VOA

Prep Batch: 43886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-51	TP26-02 2	Total/NA	Solid	SHAKE	

Prep Batch: 43887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-21	TP26-03 0	Total/NA	Solid	SHAKE	
885-43917-22	TP26-03 1	Total/NA	Solid	SHAKE	
885-43917-23	TP26-03 2	Total/NA	Solid	SHAKE	
885-43917-24	TP26-03 3	Total/NA	Solid	SHAKE	
885-43917-25	TP26-03 4	Total/NA	Solid	SHAKE	
885-43917-26	TP26-04 0	Total/NA	Solid	SHAKE	
885-43917-27	TP26-04 1	Total/NA	Solid	SHAKE	
885-43917-28	TP26-04 2	Total/NA	Solid	SHAKE	
885-43917-29	TP26-04 3	Total/NA	Solid	SHAKE	
885-43917-30	TP26-04 4	Total/NA	Solid	SHAKE	
885-43917-31	TP26-05 0	Total/NA	Solid	SHAKE	
885-43917-32	TP26-05 1	Total/NA	Solid	SHAKE	
885-43917-33	TP26-05 2	Total/NA	Solid	SHAKE	
885-43917-34	TP26-05 3	Total/NA	Solid	SHAKE	
885-43917-35	TP26-05 4	Total/NA	Solid	SHAKE	
885-43917-36	TP26-06 0	Total/NA	Solid	SHAKE	
885-43917-37	TP26-06 1	Total/NA	Solid	SHAKE	
885-43917-38	TP26-06 2	Total/NA	Solid	SHAKE	
885-43917-39	TP26-06 3	Total/NA	Solid	SHAKE	
885-43917-40	TP26-06 4	Total/NA	Solid	SHAKE	
MB 885-43887/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43887/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-43917-40 MS	TP26-06 4	Total/NA	Solid	SHAKE	
885-43917-40 MSD	TP26-06 4	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 44056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-22	TP26-03 1	Total/NA	Solid	300_Prep	
885-43917-23	TP26-03 2	Total/NA	Solid	300_Prep	
885-43917-24	TP26-03 3	Total/NA	Solid	300_Prep	
885-43917-25	TP26-03 4	Total/NA	Solid	300_Prep	
885-43917-26	TP26-04 0	Total/NA	Solid	300_Prep	
885-43917-27	TP26-04 1	Total/NA	Solid	300_Prep	
885-43917-28	TP26-04 2	Total/NA	Solid	300_Prep	
885-43917-29	TP26-04 3	Total/NA	Solid	300_Prep	
885-43917-30	TP26-04 4	Total/NA	Solid	300_Prep	
885-43917-31	TP26-05 0	Total/NA	Solid	300_Prep	
885-43917-32	TP26-05 1	Total/NA	Solid	300_Prep	
885-43917-33	TP26-05 2	Total/NA	Solid	300_Prep	
885-43917-34	TP26-05 3	Total/NA	Solid	300_Prep	
885-43917-35	TP26-05 4	Total/NA	Solid	300_Prep	
885-43917-36	TP26-06 0	Total/NA	Solid	300_Prep	
885-43917-37	TP26-06 1	Total/NA	Solid	300_Prep	
885-43917-38	TP26-06 2	Total/NA	Solid	300_Prep	
885-43917-39	TP26-06 3	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

HPLC/IC (Continued)

Prep Batch: 44056 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-40	TP26-06 4	Total/NA	Solid	300_Prep	
MB 885-44056/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44056/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43917-22 MS	TP26-03 1	Total/NA	Solid	300_Prep	
885-43917-23 MS	TP26-03 2	Total/NA	Solid	300_Prep	
885-43917-23 MSD	TP26-03 2	Total/NA	Solid	300_Prep	

Prep Batch: 44061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-51	TP26-02 2	Total/NA	Solid	300_Prep	

Analysis Batch: 44097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-51	TP26-02 2	Total/NA	Solid	300.0	44061

Analysis Batch: 44099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-22	TP26-03 1	Total/NA	Solid	300.0	44056
885-43917-23	TP26-03 2	Total/NA	Solid	300.0	44056
885-43917-24	TP26-03 3	Total/NA	Solid	300.0	44056
885-43917-25	TP26-03 4	Total/NA	Solid	300.0	44056
885-43917-26	TP26-04 0	Total/NA	Solid	300.0	44056
885-43917-27	TP26-04 1	Total/NA	Solid	300.0	44056
885-43917-28	TP26-04 2	Total/NA	Solid	300.0	44056
885-43917-29	TP26-04 3	Total/NA	Solid	300.0	44056
885-43917-30	TP26-04 4	Total/NA	Solid	300.0	44056
885-43917-31	TP26-05 0	Total/NA	Solid	300.0	44056
885-43917-32	TP26-05 1	Total/NA	Solid	300.0	44056
885-43917-33	TP26-05 2	Total/NA	Solid	300.0	44056
885-43917-34	TP26-05 3	Total/NA	Solid	300.0	44056
885-43917-35	TP26-05 4	Total/NA	Solid	300.0	44056
885-43917-36	TP26-06 0	Total/NA	Solid	300.0	44056
885-43917-37	TP26-06 1	Total/NA	Solid	300.0	44056
885-43917-38	TP26-06 2	Total/NA	Solid	300.0	44056
885-43917-39	TP26-06 3	Total/NA	Solid	300.0	44056
885-43917-40	TP26-06 4	Total/NA	Solid	300.0	44056
MB 885-44056/1-A	Method Blank	Total/NA	Solid	300.0	44056
LCS 885-44056/2-A	Lab Control Sample	Total/NA	Solid	300.0	44056
885-43917-22 MS	TP26-03 1	Total/NA	Solid	300.0	44056
885-43917-23 MS	TP26-03 2	Total/NA	Solid	300.0	44056
885-43917-23 MSD	TP26-03 2	Total/NA	Solid	300.0	44056

Prep Batch: 44125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	300_Prep	
885-43917-3	TP26-01 2	Total/NA	Solid	300_Prep	
885-43917-4	TP26-01 3	Total/NA	Solid	300_Prep	
885-43917-5	TP26-01 4	Total/NA	Solid	300_Prep	
885-43917-6	TP26-01 5	Total/NA	Solid	300_Prep	
885-43917-7	TP26-01 6	Total/NA	Solid	300_Prep	
885-43917-8	TP26-01 7	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

HPLC/IC (Continued)

Prep Batch: 44125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-9	TP26-01 8	Total/NA	Solid	300_Prep	
885-43917-10	TP26-01 9	Total/NA	Solid	300_Prep	
885-43917-11	TP26-02 0	Total/NA	Solid	300_Prep	
885-43917-12	TP26-02 1	Total/NA	Solid	300_Prep	
885-43917-13	TP26-02 3	Total/NA	Solid	300_Prep	
885-43917-14	TP26-02 4	Total/NA	Solid	300_Prep	
885-43917-15	TP26-02 5	Total/NA	Solid	300_Prep	
885-43917-16	TP26-02 6	Total/NA	Solid	300_Prep	
885-43917-17	TP26-02 7	Total/NA	Solid	300_Prep	
885-43917-18	TP26-02 8	Total/NA	Solid	300_Prep	
885-43917-19	TP26-02 9	Total/NA	Solid	300_Prep	
885-43917-20	TP26-02 10	Total/NA	Solid	300_Prep	
885-43917-21	TP26-03 0	Total/NA	Solid	300_Prep	
MB 885-44125/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44125/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43917-2 MS	TP26-01 1	Total/NA	Solid	300_Prep	
885-43917-2 MSD	TP26-01 1	Total/NA	Solid	300_Prep	
885-43917-3 MS	TP26-01 2	Total/NA	Solid	300_Prep	
885-43917-3 MSD	TP26-01 2	Total/NA	Solid	300_Prep	

Analysis Batch: 44149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-2	TP26-01 1	Total/NA	Solid	300.0	44125
885-43917-3	TP26-01 2	Total/NA	Solid	300.0	44125
885-43917-4	TP26-01 3	Total/NA	Solid	300.0	44125
885-43917-5	TP26-01 4	Total/NA	Solid	300.0	44125
885-43917-6	TP26-01 5	Total/NA	Solid	300.0	44125
885-43917-7	TP26-01 6	Total/NA	Solid	300.0	44125
885-43917-8	TP26-01 7	Total/NA	Solid	300.0	44125
885-43917-9	TP26-01 8	Total/NA	Solid	300.0	44125
885-43917-10	TP26-01 9	Total/NA	Solid	300.0	44125
885-43917-13	TP26-02 3	Total/NA	Solid	300.0	44125
885-43917-15	TP26-02 5	Total/NA	Solid	300.0	44125
885-43917-16	TP26-02 6	Total/NA	Solid	300.0	44125
885-43917-17	TP26-02 7	Total/NA	Solid	300.0	44125
885-43917-18	TP26-02 8	Total/NA	Solid	300.0	44125
885-43917-19	TP26-02 9	Total/NA	Solid	300.0	44125
885-43917-20	TP26-02 10	Total/NA	Solid	300.0	44125
885-43917-21	TP26-03 0	Total/NA	Solid	300.0	44125
MB 885-44125/1-A	Method Blank	Total/NA	Solid	300.0	44125
LCS 885-44125/2-A	Lab Control Sample	Total/NA	Solid	300.0	44125
885-43917-2 MS	TP26-01 1	Total/NA	Solid	300.0	44125
885-43917-2 MSD	TP26-01 1	Total/NA	Solid	300.0	44125
885-43917-3 MS	TP26-01 2	Total/NA	Solid	300.0	44125
885-43917-3 MSD	TP26-01 2	Total/NA	Solid	300.0	44125

Analysis Batch: 44273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-11	TP26-02 0	Total/NA	Solid	300.0	44125
885-43917-12	TP26-02 1	Total/NA	Solid	300.0	44125
885-43917-14	TP26-02 4	Total/NA	Solid	300.0	44125

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 1

Lab Sample ID: 885-43917-2

Date Collected: 02/19/26 09:05

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/27/26 23:56
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/27/26 23:56
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 21:43
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 15:03

Client Sample ID: TP26-01 2

Lab Sample ID: 885-43917-3

Date Collected: 02/19/26 09:10

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 01:01
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 01:01
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 21:54
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 15:44

Client Sample ID: TP26-01 3

Lab Sample ID: 885-43917-4

Date Collected: 02/19/26 09:15

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 01:23
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 01:23
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 22:05
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 16:25

Client Sample ID: TP26-01 4

Lab Sample ID: 885-43917-5

Date Collected: 02/19/26 09:20

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 01:45

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 4

Lab Sample ID: 885-43917-5

Date Collected: 02/19/26 09:20

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 01:45
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 22:16
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 16:39

Client Sample ID: TP26-01 5

Lab Sample ID: 885-43917-6

Date Collected: 02/19/26 09:25

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 02:06
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 02:06
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 22:27
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 17:19

Client Sample ID: TP26-01 6

Lab Sample ID: 885-43917-7

Date Collected: 02/19/26 09:30

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 02:28
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 02:28
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 22:38
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 17:33

Client Sample ID: TP26-01 7

Lab Sample ID: 885-43917-8

Date Collected: 02/19/26 09:35

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 02:50
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 02:50

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-01 7

Lab Sample ID: 885-43917-8

Date Collected: 02/19/26 09:35

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 22:48
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 17:47

Client Sample ID: TP26-01 8

Lab Sample ID: 885-43917-9

Date Collected: 02/19/26 09:40

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 03:12
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 03:12
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 22:59
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 18:00

Client Sample ID: TP26-01 9

Lab Sample ID: 885-43917-10

Date Collected: 02/19/26 09:45

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 03:33
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 03:33
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 23:21
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 18:14

Client Sample ID: TP26-02 0

Lab Sample ID: 885-43917-11

Date Collected: 02/19/26 09:50

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 04:17
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 04:17
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 23:32

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 0

Lab Sample ID: 885-43917-11

Date Collected: 02/19/26 09:50

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		20	44273	EH	EET ALB	03/04/26 19:09

Client Sample ID: TP26-02 1

Lab Sample ID: 885-43917-12

Date Collected: 02/19/26 09:55

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 04:39
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 04:39
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 23:43
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		20	44273	EH	EET ALB	03/04/26 19:19

Client Sample ID: TP26-02 3

Lab Sample ID: 885-43917-13

Date Collected: 02/19/26 10:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 05:01
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 05:01
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/25/26 23:53
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 18:55

Client Sample ID: TP26-02 4

Lab Sample ID: 885-43917-14

Date Collected: 02/19/26 10:05

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 05:22
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 05:22
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 00:04
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		20	44273	EH	EET ALB	03/04/26 19:30

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 5

Lab Sample ID: 885-43917-15

Date Collected: 02/19/26 10:10

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 05:44
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 05:44
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 00:15
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 19:22

Client Sample ID: TP26-02 6

Lab Sample ID: 885-43917-16

Date Collected: 02/19/26 10:15

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 06:06
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 06:06
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 00:26
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 20:03

Client Sample ID: TP26-02 7

Lab Sample ID: 885-43917-17

Date Collected: 02/19/26 10:20

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 06:28
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 06:28
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 00:37
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 20:17

Client Sample ID: TP26-02 8

Lab Sample ID: 885-43917-18

Date Collected: 02/19/26 10:25

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 06:49

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 8

Lab Sample ID: 885-43917-18

Date Collected: 02/19/26 10:25

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 06:49
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 00:47
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 20:30

Client Sample ID: TP26-02 9

Lab Sample ID: 885-43917-19

Date Collected: 02/19/26 10:30

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 07:11
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 07:11
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 01:09
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 20:44

Client Sample ID: TP26-02 10

Lab Sample ID: 885-43917-20

Date Collected: 02/19/26 10:35

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8015M/D		1	44054	AT	EET ALB	02/28/26 07:33
Total/NA	Prep	5030C			43848	VP	EET ALB	02/25/26 09:53
Total/NA	Analysis	8021B		1	44053	AT	EET ALB	02/28/26 07:33
Total/NA	Prep	SHAKE			43874	DR	EET ALB	02/25/26 11:10
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 01:20
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 20:58

Client Sample ID: TP26-03 0

Lab Sample ID: 885-43917-21

Date Collected: 02/19/26 10:40

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 06:42
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 06:42

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 0

Lab Sample ID: 885-43917-21

Date Collected: 02/19/26 10:40

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 04:46
Total/NA	Prep	300_Prep			44125	MS	EET ALB	03/02/26 10:15
Total/NA	Analysis	300.0		10	44149	KB	EET ALB	03/02/26 21:11

Client Sample ID: TP26-03 1

Lab Sample ID: 885-43917-22

Date Collected: 02/19/26 10:45

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 07:48
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 07:48
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 04:58
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 11:57

Client Sample ID: TP26-03 2

Lab Sample ID: 885-43917-23

Date Collected: 02/19/26 10:50

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 08:53
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 08:53
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 05:09
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 12:29

Client Sample ID: TP26-03 3

Lab Sample ID: 885-43917-24

Date Collected: 02/19/26 10:55

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 09:14
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 09:14
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 05:20

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-03 3

Lab Sample ID: 885-43917-24

Date Collected: 02/19/26 10:55

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 13:00

Client Sample ID: TP26-03 4

Lab Sample ID: 885-43917-25

Date Collected: 02/19/26 11:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 09:36
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 09:36
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 05:32
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 13:10

Client Sample ID: TP26-04 0

Lab Sample ID: 885-43917-26

Date Collected: 02/19/26 11:05

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 09:58
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 09:58
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 05:43
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 13:41

Client Sample ID: TP26-04 1

Lab Sample ID: 885-43917-27

Date Collected: 02/19/26 11:10

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 10:20
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 10:20
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 05:55
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 13:51

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Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-04 2

Lab Sample ID: 885-43917-28

Date Collected: 02/19/26 11:15

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 10:41
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 10:41
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 06:06
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 14:02

Client Sample ID: TP26-04 3

Lab Sample ID: 885-43917-29

Date Collected: 02/19/26 11:20

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 11:03
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 11:03
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 06:29
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 14:12

Client Sample ID: TP26-04 4

Lab Sample ID: 885-43917-30

Date Collected: 02/19/26 11:25

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 11:25
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 11:25
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 06:40
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 14:22

Client Sample ID: TP26-05 0

Lab Sample ID: 885-43917-31

Date Collected: 02/19/26 11:30

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 12:09

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Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 0

Lab Sample ID: 885-43917-31

Date Collected: 02/19/26 11:30

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 12:09
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 06:52
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 14:33

Client Sample ID: TP26-05 1

Lab Sample ID: 885-43917-32

Date Collected: 02/19/26 11:35

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 12:31
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 12:31
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 07:03
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 14:43

Client Sample ID: TP26-05 2

Lab Sample ID: 885-43917-33

Date Collected: 02/19/26 11:40

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 12:52
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 12:52
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 07:14
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 14:53

Client Sample ID: TP26-05 3

Lab Sample ID: 885-43917-34

Date Collected: 02/19/26 11:45

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 13:14
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 13:14

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-05 3

Lab Sample ID: 885-43917-34

Date Collected: 02/19/26 11:45

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 07:26
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 15:04

Client Sample ID: TP26-05 4

Lab Sample ID: 885-43917-35

Date Collected: 02/19/26 11:50

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 13:36
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 13:36
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 07:37
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 15:14

Client Sample ID: TP26-06 0

Lab Sample ID: 885-43917-36

Date Collected: 02/19/26 11:55

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 13:58
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 13:58
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 07:48
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 15:45

Client Sample ID: TP26-06 1

Lab Sample ID: 885-43917-37

Date Collected: 02/19/26 13:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 14:19
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 14:19
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 08:00

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Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-06 1

Lab Sample ID: 885-43917-37

Date Collected: 02/19/26 13:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 15:55

Client Sample ID: TP26-06 2

Lab Sample ID: 885-43917-38

Date Collected: 02/19/26 13:05

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 14:41
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 14:41
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 08:11
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 16:06

Client Sample ID: TP26-06 3

Lab Sample ID: 885-43917-39

Date Collected: 02/19/26 13:10

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 15:03
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 15:03
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 08:34
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 16:16

Client Sample ID: TP26-06 4

Lab Sample ID: 885-43917-40

Date Collected: 02/19/26 13:15

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8015M/D		1	44090	AT	EET ALB	03/01/26 15:25
Total/NA	Prep	5030C			43876	VP	EET ALB	02/25/26 12:11
Total/NA	Analysis	8021B		1	44089	AT	EET ALB	03/01/26 15:25
Total/NA	Prep	SHAKE			43887	BV	EET ALB	02/25/26 14:05
Total/NA	Analysis	8015M/D		1	43838	EM	EET ALB	02/26/26 08:45
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 16:26

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Client Sample ID: TP26-02 2

Lab Sample ID: 885-43917-51

Date Collected: 02/19/26 10:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 22:32
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 22:32
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 04:02
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 14:20

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date																																				
New Mexico	State	NM9425	02-25-26 *																																				
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>300.0</td> <td>300_Prep</td> <td>Solid</td> <td>Chloride</td> </tr> <tr> <td>8015M/D</td> <td>5030C</td> <td>Solid</td> <td>Gasoline Range Organics (GRO)-C6-C10</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Diesel Range Organics [C10-C28]</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Motor Oil Range Organics [C28-C40]</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Benzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Ethylbenzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Toluene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Xylenes, Total</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	300.0	300_Prep	Solid	Chloride	8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10	8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]	8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]	8021B	5030C	Solid	Benzene	8021B	5030C	Solid	Ethylbenzene	8021B	5030C	Solid	Toluene	8021B	5030C	Solid	Xylenes, Total
Analysis Method	Prep Method	Matrix	Analyte																																				
300.0	300_Prep	Solid	Chloride																																				
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10																																				
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]																																				
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]																																				
8021B	5030C	Solid	Benzene																																				
8021B	5030C	Solid	Ethylbenzene																																				
8021B	5030C	Solid	Toluene																																				
8021B	5030C	Solid	Xylenes, Total																																				
Oregon	NELAP	NM100001	02-25-27																																				

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: **Vertex Resource**

(direct bill to Devon, Jim Raley 1006093001)

Mailing Address:
3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard 5-Day Standard

Project Name:
Todd 36 M State 13

Project #:
25A-02301

Project Manager:
Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: Katrina Taylor

On Ice: Yes No *Abby*

of Coolers: 1

Cooler Temp (including CF): *5.4 + 0.3 = 5.7*



HALL ENVIRONMENTAL ANALYSIS LABOR

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

Tel. 505-345-3975 Fax 505-345-4107



885-43917 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)																						
02.19.26	9:00	Soil	TP26-01 0	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:05	Soil	TP26-01 1	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:10	Soil	TP26-01 2	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:15	Soil	TP26-01 3	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:20	Soil	TP26-01 4	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:25	Soil	TP26-01 5	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:30	Soil	TP26-01 6	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:35	Soil	TP26-01 7	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:40	Soil	TP26-01 8	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:45	Soil	TP26-01 9	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:50	Soil	TP26-02 0	1, 4oz jar	ICE		X	X					X																									
02.19.26	9:55	Soil	TP26-02 1	1, 4oz jar	ICE		X	X					X																									

Date: 2/23/26 Time: 1910 Relinquished by: *[Signature]*

Received by: *[Signature]* Via: *danner* Date: 2/23/26 Time: 9:50

Received by: *[Signature]* Via: *danner* Date: 2/24/26 Time: 7:40

Remarks: ATTN Jim Raley
Direct bill to Devon work order 1006093001 Jim Raley
cc. permian@vertexresource.com, kstallings@vertexresource.com, LPullman@vertexresource.com, Katrina.Taylor@vertexresource.com for Final Report

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Chain-of-Custody Record

Client: Vertex Resource

Mailing Address:
3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____

EDD (Type) _____

Turn-Around Time:
 Standard 5-Day Standard

Project Name:
Todd 36 M State 13

Project #:
25A-02301

Project Manager:
Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: Katrina Taylor

On Ice: Yes No

of Coolers: _____

Cooler Temp(including CF): _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)											
02.19.26	10:00	Soil	TP26-02 3	1, 4oz jar	ICE		X	X					X														
02.19.26	10:05	Soil	TP26-02 4	1, 4oz jar	ICE		X	X					X														
02.19.26	10:10	Soil	TP26-02 5	1, 4oz jar	ICE		X	X					X														
02.19.26	10:15	Soil	TP26-02 6	1, 4oz jar	ICE		X	X					X														
02.19.26	10:20	Soil	TP26-02 7	1, 4oz jar	ICE		X	X					X														
02.19.26	10:25	Soil	TP26-02 8	1, 4oz jar	ICE		X	X					X														
02.19.26	10:30	Soil	TP26-02 9	1, 4oz jar	ICE		X	X					X														
02.19.26	10:35	Soil	TP26-02 10	1, 4oz jar	ICE		X	X					X														
02.19.26	10:40	Soil	TP26-03 0	1, 4oz jar	ICE		X	X					X														
02.19.26	10:45	Soil	TP26-03 1	1, 4oz jar	ICE		X	X					X														
02.19.26	10:50	Soil	TP26-03 2	1, 4oz jar	ICE		X	X					X														
02.19.26	10:55	Soil	TP26-03 3	1, 4oz jar	ICE		X	X					X														

Date: 2/20/26 **Time:** 1910 **Relinquished by:** [Signature]

Received by: [Signature] **Via:** courier **Date:** 2/24/26 **Time:** 7:40

Remarks: ATTN Jim Raley
Direct bill to Devon work order 1006093001 Jim Raley
cc. permian@vertexresource.com, kstallings@vertexresource.com,
LPullman@vertexresource.com,
Katrina.Taylor@vertexresource.com for Final Report

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Chain-of-Custody Record

Client: **Vertex Resource**

(direct bill to Devon, Jim Raley 1006093001)

Mailing Address:
3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard **5-Day Standard**

Project Name:
Todd 36 M State 13

Project #:
25A-02301

Project Manager:
Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: Katrina Taylor
On Ice: Yes No

of Coolers:

Cooler Temp (including CF):

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
02.19.26	11:00	Soil	TP26-03 4	1, 4oz jar	ICE		X	X					X			
02.19.26	11:05	Soil	TP26-04 0	1, 4oz jar	ICE		X	X					X			
02.19.26	11:10	Soil	TP26-04 1	1, 4oz jar	ICE		X	X					X			
02.19.26	11:15	Soil	TP26-04 2	1, 4oz jar	ICE		X	X					X			
02.19.26	11:20	Soil	TP26-04 3	1, 4oz jar	ICE		X	X					X			
02.19.26	11:25	Soil	TP26-04 4	1, 4oz jar	ICE		X	X					X			
02.19.26	11:30	Soil	TP26-05 0	1, 4oz jar	ICE		X	X					X			
02.19.26	11:35	Soil	TP26-05 1	1, 4oz jar	ICE		X	X					X			
02.19.26	11:40	Soil	TP26-05 2	1, 4oz jar	ICE		X	X					X			
02.19.26	11:45	Soil	TP26-05 3	1, 4oz jar	ICE		X	X					X			
02.19.26	11:50	Soil	TP26-05 4	1, 4oz jar	ICE		X	X					X			
02.19.26	11:55	Soil	TP26-06 0	1, 4oz jar	ICE		X	X					X			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date: Time: Relinquished by: Received by: Via: Date Time
 3/5/2026 19:00 [Signature] [Signature] 2/23/26 9:50
 2/24/26 7:40

Remarks: ATTN Jim Raley
 Direct bill to Devon work order 1006093001 Jim Raley
 cc. permian@vertexresource.com, kstallings@vertexresource.com,
 LPullman@vertexresource.com,
 Katrina.Taylor@vertexresource.com for Final Report

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Chain-of-Custody Record

Client: Vertex Resource	Turn-Around Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 5-Day Standard
(direct bill to Devon, Jim Raley 1006093001)	Project Name: Todd 36 M State 13
Mailing Address: 3601 Boyd Dr, Carlsbad nm, 88220	Project #: 25A-02301
Phone #: 575-725-5001	



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

email or Fax#:	Project Manager: Kent Stallings, Sally Carttar kstallings@vertex.ca , Scarttar@vertex.ca
QA/QC Package: <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler: Katrina Taylor On Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other _____	# of Coolers:
<input type="checkbox"/> EDD (Type)	Cooler Temp (including CF):

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)											
02.19.26	13:00	Soil	TP26-06 1	1, 4oz jar	ICE		X	X					X														
02.19.26	13:05	Soil	TP26-06 2	1, 4oz jar	ICE		X	X					X														
02.19.26	13:10	Soil	TP26-06 3	1, 4oz jar	ICE		X	X					X														
02.19.26	13:15	Soil	TP26-06 4	1, 4oz jar	ICE		X	X					X														

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			<i>[Signature]</i>	owner	2/24/26	9:50
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			<i>[Signature]</i>	owner	2/24/26	7:40

Remarks: **ATTN Jim Raley**
Direct bill to Devon work order 1006093001 Jim Raley
cc. permian@vertexresource.com, kstallings@vertexresource.com,
LPullman@vertexresource.com,
Katrina.Taylor@vertexresource.com for Final Report

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Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-43917-1

Login Number: 43917

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Albuquerque





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 3/5/2026 11:48:23 AM

JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-43917-2

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
3/5/2026 11:48:23 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-43917-2

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Definitions/Glossary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-43917-2

Job ID: 885-43917-2

Eurofins Albuquerque

Job Narrative 885-43917-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/24/2026 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 0

Lab Sample ID: 885-43917-41

Date Collected: 02/20/26 14:00

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:59	03/02/26 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:59	03/02/26 17:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 17:24	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 17:24	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 17:24	1
Xylenes, Total	ND		0.095	mg/Kg		02/25/26 12:59	03/02/26 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/25/26 12:59	03/02/26 17:24	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 13:55	02/26/26 02:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 13:55	02/26/26 02:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			02/25/26 13:55	02/26/26 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		50	mg/Kg		02/27/26 14:41	03/01/26 16:37	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 1

Lab Sample ID: 885-43917-42

Date Collected: 02/20/26 14:05

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:59	03/02/26 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			02/25/26 12:59	03/02/26 18:35	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:59	03/02/26 18:35	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:59	03/02/26 18:35	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:59	03/02/26 18:35	1
Xylenes, Total	ND		0.099	mg/Kg		02/25/26 12:59	03/02/26 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			02/25/26 12:59	03/02/26 18:35	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		02/25/26 13:55	02/26/26 02:35	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/25/26 13:55	02/26/26 02:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			02/25/26 13:55	02/26/26 02:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		49	mg/Kg		02/27/26 15:30	03/01/26 11:59	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 2

Lab Sample ID: 885-43917-43

Date Collected: 02/20/26 14:10

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:59	03/02/26 19:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:59	03/02/26 19:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 19:47	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 19:47	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 19:47	1
Xylenes, Total	ND		0.096	mg/Kg		02/25/26 12:59	03/02/26 19:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		15 - 150			02/25/26 12:59	03/02/26 19:47	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/25/26 13:55	02/26/26 02:46	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 13:55	02/26/26 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			02/25/26 13:55	02/26/26 02:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		50	mg/Kg		02/27/26 15:30	03/01/26 12:32	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 3

Lab Sample ID: 885-43917-44

Date Collected: 02/20/26 14:15

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:59	03/02/26 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/25/26 12:59	03/02/26 20:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:59	03/02/26 20:10	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:59	03/02/26 20:10	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:59	03/02/26 20:10	1
Xylenes, Total	ND		0.098	mg/Kg		02/25/26 12:59	03/02/26 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/25/26 12:59	03/02/26 20:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		02/25/26 13:55	02/26/26 02:57	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 13:55	02/26/26 02:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			02/25/26 13:55	02/26/26 02:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		50	mg/Kg		02/27/26 15:30	03/01/26 13:04	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 4

Lab Sample ID: 885-43917-45

Date Collected: 02/20/26 14:20

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/25/26 12:59	03/02/26 20:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:59	03/02/26 20:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 20:34	1
Ethylbenzene	ND		0.047	mg/Kg		02/25/26 12:59	03/02/26 20:34	1
Toluene	ND		0.047	mg/Kg		02/25/26 12:59	03/02/26 20:34	1
Xylenes, Total	ND		0.094	mg/Kg		02/25/26 12:59	03/02/26 20:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/25/26 12:59	03/02/26 20:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/25/26 13:55	02/26/26 03:08	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 13:55	02/26/26 03:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			02/25/26 13:55	02/26/26 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		50	mg/Kg		02/27/26 15:30	03/01/26 13:15	10

QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-43882/1-A
Matrix: Solid
Analysis Batch: 44123

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43882

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/25/26 12:58	03/02/26 17:00	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 12:58	03/02/26 17:00	1

Lab Sample ID: LCS 885-43882/2-A
Matrix: Solid
Analysis Batch: 44123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	26.4		mg/Kg		106	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	213		15 - 150				

Lab Sample ID: 885-43917-41 MS
Matrix: Solid
Analysis Batch: 44123

Client Sample ID: TP26-07 0
Prep Type: Total/NA
Prep Batch: 43882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	22.1		mg/Kg		89	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	186		15 - 150						

Lab Sample ID: 885-43917-41 MSD
Matrix: Solid
Analysis Batch: 44123

Client Sample ID: TP26-07 0
Prep Type: Total/NA
Prep Batch: 43882

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	23.1		mg/Kg		93	70 - 130	4	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	194		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-43882/1-A
Matrix: Solid
Analysis Batch: 44124

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43882

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/25/26 12:58	03/02/26 17:00	1
Ethylbenzene	ND		0.050	mg/Kg		02/25/26 12:58	03/02/26 17:00	1
Toluene	ND		0.050	mg/Kg		02/25/26 12:58	03/02/26 17:00	1

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-43882/1-A
Matrix: Solid
Analysis Batch: 44124

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43882

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		02/25/26 12:58	03/02/26 17:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150	02/25/26 12:58	03/02/26 17:00	1

Lab Sample ID: LCS 885-43882/3-A
Matrix: Solid
Analysis Batch: 44124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.902		mg/Kg		90	70 - 130
Ethylbenzene	1.00	0.882		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	2.00	1.84		mg/Kg		92	70 - 130
o-Xylene	1.00	0.905		mg/Kg		91	70 - 130
Toluene	1.00	0.908		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		15 - 150

Lab Sample ID: 885-43917-42 MS
Matrix: Solid
Analysis Batch: 44124

Client Sample ID: TP26-07 1
Prep Type: Total/NA
Prep Batch: 43882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.995	0.833		mg/Kg		84	70 - 130
Ethylbenzene	ND		0.995	0.820		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	ND		1.99	1.70		mg/Kg		85	70 - 130
o-Xylene	ND		0.995	0.815		mg/Kg		82	70 - 130
Toluene	ND		0.995	0.837		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		15 - 150

Lab Sample ID: 885-43917-42 MSD
Matrix: Solid
Analysis Batch: 44124

Client Sample ID: TP26-07 1
Prep Type: Total/NA
Prep Batch: 43882

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.992	0.834		mg/Kg		84	70 - 130	0	20
Ethylbenzene	ND		0.992	0.850		mg/Kg		86	70 - 130	4	20
m-Xylene & p-Xylene	ND		1.98	1.75		mg/Kg		88	70 - 130	3	20
o-Xylene	ND		0.992	0.844		mg/Kg		85	70 - 130	3	20
Toluene	ND		0.992	0.859		mg/Kg		87	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		15 - 150

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-43886/1-A
Matrix: Solid
Analysis Batch: 43846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43886

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/25/26 13:55	02/26/26 02:03	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 13:55	02/26/26 02:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134	02/25/26 13:55	02/26/26 02:03	1

Lab Sample ID: LCS 885-43886/2-A
Matrix: Solid
Analysis Batch: 43846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	58.5		mg/Kg		117	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	106		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-44061/1-A
Matrix: Solid
Analysis Batch: 44097

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44061

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		02/27/26 15:29	03/01/26 11:34	1

Lab Sample ID: LCS 885-44061/2-A
Matrix: Solid
Analysis Batch: 44097

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.7	50.7		mg/Kg		100	90 - 110

Lab Sample ID: 885-43917-42 MS
Matrix: Solid
Analysis Batch: 44097

Client Sample ID: TP26-07 1
Prep Type: Total/NA
Prep Batch: 44061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	160		50.8	211		mg/Kg		108	50 - 150

Lab Sample ID: 885-43917-42 MSD
Matrix: Solid
Analysis Batch: 44097

Client Sample ID: TP26-07 1
Prep Type: Total/NA
Prep Batch: 44061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	160		50.3	208		mg/Kg		103	50 - 150	1	20

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QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-43917-43 MS
 Matrix: Solid
 Analysis Batch: 44097

Client Sample ID: TP26-07 2
 Prep Type: Total/NA
 Prep Batch: 44061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	220		50.7	273	4	mg/Kg		98	50 - 150

Lab Sample ID: 885-43917-43 MSD
 Matrix: Solid
 Analysis Batch: 44097

Client Sample ID: TP26-07 2
 Prep Type: Total/NA
 Prep Batch: 44061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	220		50.8	271	4	mg/Kg		93	50 - 150	1	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

GC VOA

Prep Batch: 43882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	5030C	
885-43917-42	TP26-07 1	Total/NA	Solid	5030C	
885-43917-43	TP26-07 2	Total/NA	Solid	5030C	
885-43917-44	TP26-07 3	Total/NA	Solid	5030C	
885-43917-45	TP26-07 4	Total/NA	Solid	5030C	
MB 885-43882/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43882/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43882/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-43917-41 MS	TP26-07 0	Total/NA	Solid	5030C	
885-43917-41 MSD	TP26-07 0	Total/NA	Solid	5030C	
885-43917-42 MS	TP26-07 1	Total/NA	Solid	5030C	
885-43917-42 MSD	TP26-07 1	Total/NA	Solid	5030C	

Analysis Batch: 44123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	8015M/D	43882
885-43917-42	TP26-07 1	Total/NA	Solid	8015M/D	43882
885-43917-43	TP26-07 2	Total/NA	Solid	8015M/D	43882
885-43917-44	TP26-07 3	Total/NA	Solid	8015M/D	43882
885-43917-45	TP26-07 4	Total/NA	Solid	8015M/D	43882
MB 885-43882/1-A	Method Blank	Total/NA	Solid	8015M/D	43882
LCS 885-43882/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43882
885-43917-41 MS	TP26-07 0	Total/NA	Solid	8015M/D	43882
885-43917-41 MSD	TP26-07 0	Total/NA	Solid	8015M/D	43882

Analysis Batch: 44124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	8021B	43882
885-43917-42	TP26-07 1	Total/NA	Solid	8021B	43882
885-43917-43	TP26-07 2	Total/NA	Solid	8021B	43882
885-43917-44	TP26-07 3	Total/NA	Solid	8021B	43882
885-43917-45	TP26-07 4	Total/NA	Solid	8021B	43882
MB 885-43882/1-A	Method Blank	Total/NA	Solid	8021B	43882
LCS 885-43882/3-A	Lab Control Sample	Total/NA	Solid	8021B	43882
885-43917-42 MS	TP26-07 1	Total/NA	Solid	8021B	43882
885-43917-42 MSD	TP26-07 1	Total/NA	Solid	8021B	43882

GC Semi VOA

Analysis Batch: 43846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	8015M/D	43886
885-43917-42	TP26-07 1	Total/NA	Solid	8015M/D	43886
885-43917-43	TP26-07 2	Total/NA	Solid	8015M/D	43886
885-43917-44	TP26-07 3	Total/NA	Solid	8015M/D	43886
885-43917-45	TP26-07 4	Total/NA	Solid	8015M/D	43886
MB 885-43886/1-A	Method Blank	Total/NA	Solid	8015M/D	43886
LCS 885-43886/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43886

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

GC Semi VOA

Prep Batch: 43886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	SHAKE	
885-43917-42	TP26-07 1	Total/NA	Solid	SHAKE	
885-43917-43	TP26-07 2	Total/NA	Solid	SHAKE	
885-43917-44	TP26-07 3	Total/NA	Solid	SHAKE	
885-43917-45	TP26-07 4	Total/NA	Solid	SHAKE	
MB 885-43886/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43886/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 44056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	300_Prep	

Prep Batch: 44061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-42	TP26-07 1	Total/NA	Solid	300_Prep	
885-43917-43	TP26-07 2	Total/NA	Solid	300_Prep	
885-43917-44	TP26-07 3	Total/NA	Solid	300_Prep	
885-43917-45	TP26-07 4	Total/NA	Solid	300_Prep	
MB 885-44061/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44061/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43917-42 MS	TP26-07 1	Total/NA	Solid	300_Prep	
885-43917-42 MSD	TP26-07 1	Total/NA	Solid	300_Prep	
885-43917-43 MS	TP26-07 2	Total/NA	Solid	300_Prep	
885-43917-43 MSD	TP26-07 2	Total/NA	Solid	300_Prep	

Analysis Batch: 44097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-42	TP26-07 1	Total/NA	Solid	300.0	44061
885-43917-43	TP26-07 2	Total/NA	Solid	300.0	44061
885-43917-44	TP26-07 3	Total/NA	Solid	300.0	44061
885-43917-45	TP26-07 4	Total/NA	Solid	300.0	44061
MB 885-44061/1-A	Method Blank	Total/NA	Solid	300.0	44061
LCS 885-44061/2-A	Lab Control Sample	Total/NA	Solid	300.0	44061
885-43917-42 MS	TP26-07 1	Total/NA	Solid	300.0	44061
885-43917-42 MSD	TP26-07 1	Total/NA	Solid	300.0	44061
885-43917-43 MS	TP26-07 2	Total/NA	Solid	300.0	44061
885-43917-43 MSD	TP26-07 2	Total/NA	Solid	300.0	44061

Analysis Batch: 44099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-41	TP26-07 0	Total/NA	Solid	300.0	44056

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 0

Lab Sample ID: 885-43917-41

Date Collected: 02/20/26 14:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 17:24
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 17:24
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 02:24
Total/NA	Prep	300_Prep			44056	MS	EET ALB	02/27/26 14:41
Total/NA	Analysis	300.0		10	44099	JT	EET ALB	03/01/26 16:37

Client Sample ID: TP26-07 1

Lab Sample ID: 885-43917-42

Date Collected: 02/20/26 14:05

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 18:35
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 18:35
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 02:35
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 11:59

Client Sample ID: TP26-07 2

Lab Sample ID: 885-43917-43

Date Collected: 02/20/26 14:10

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 19:47
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 19:47
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 02:46
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 12:32

Client Sample ID: TP26-07 3

Lab Sample ID: 885-43917-44

Date Collected: 02/20/26 14:15

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 20:10

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Client Sample ID: TP26-07 3

Lab Sample ID: 885-43917-44

Date Collected: 02/20/26 14:15

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 20:10
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 02:57
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 13:04

Client Sample ID: TP26-07 4

Lab Sample ID: 885-43917-45

Date Collected: 02/20/26 14:20

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 20:34
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 20:34
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 03:08
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 13:15

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: **Vertex Resource**

(direct bill to Devon, Jim Raley 1006093001)

Mailing Address:
3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard 5-Day Standard

Project Name:
Todd 36 M State 13

Project #:
25A-02301

Project Manager:
Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: Katrina Taylor

On Ice: Yes No

of Coolers:

Cooler Temp (including CF):



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Cooler Temp (including CF):	Analysis Request																	
								BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)								
02.20.26	14:00	Soil	TP26-07 0	1, 4oz jar	ICE			X	X						X										
02.20.26	14:05	Soil	TP26-07 1	1, 4oz jar	ICE			X	X						X										
02.20.26	14:10	Soil	TP26-07 2	1, 4oz jar	ICE			X	X						X										
02.20.26	14:15	Soil	TP26-07 3	1, 4oz jar	ICE			X	X						X										
02.20.26	14:20	Soil	TP26-07 4	1, 4oz jar	ICE			X	X						X										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	Remarks: ATTN Jim Raley Direct bill to Devon work order 1006093001 Jim Raley cc. permian@vertexresource.com, kstallings@vertexresource.com, LPullman@vertexresource.com, Katrina.Taylor@vertexresource.com for Final Report PLEASE PUT THIS COC ON ITS OWN REPORT
			<i>acummings</i>		2/23/26	9:50	
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	
3/5/2026	19:00	<i>acummings</i>	<i>vacancr</i>		2/24/26	7:40	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-43917-2

Login Number: 43917

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Albuquerque



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 3/5/2026 11:48:23 AM

JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-43917-3

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
3/5/2026 11:48:23 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-43917-3



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Definitions/Glossary

Client: Vertex

Job ID: 885-43917-3

Project/Site: Todd 36 M State 13

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-43917-3

Job ID: 885-43917-3

Eurofins Albuquerque

Job Narrative 885-43917-3

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/24/2026 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Receipt Exceptions

The following samples were canceled by the client on 2/24/26: TP26-08 3 (885-43917-49) and TP26-08 4 (885-43917-50).

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-3

Client Sample ID: TP26-08 0

Lab Sample ID: 885-43917-46

Date Collected: 02/20/26 15:00

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:59	03/02/26 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/25/26 12:59	03/02/26 21:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 21:21	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 21:21	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 21:21	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 12:59	03/02/26 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/25/26 12:59	03/02/26 21:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/25/26 13:55	02/26/26 03:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/25/26 13:55	02/26/26 03:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			02/25/26 13:55	02/26/26 03:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		51	mg/Kg		02/27/26 15:30	03/01/26 13:48	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-3

Client Sample ID: TP26-08 1

Lab Sample ID: 885-43917-47

Date Collected: 02/20/26 15:05

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/25/26 12:59	03/02/26 21:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			02/25/26 12:59	03/02/26 21:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 21:45	1
Ethylbenzene	ND		0.049	mg/Kg		02/25/26 12:59	03/02/26 21:45	1
Toluene	ND		0.049	mg/Kg		02/25/26 12:59	03/02/26 21:45	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 12:59	03/02/26 21:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		15 - 150			02/25/26 12:59	03/02/26 21:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/25/26 13:55	02/26/26 03:29	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/25/26 13:55	02/26/26 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			02/25/26 13:55	02/26/26 03:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		51	mg/Kg		02/27/26 15:30	03/01/26 13:59	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-3

Client Sample ID: TP26-08 2

Lab Sample ID: 885-43917-48

Date Collected: 02/20/26 15:10

Matrix: Solid

Date Received: 02/24/26 07:40

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/25/26 12:59	03/02/26 22:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/25/26 12:59	03/02/26 22:08	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/25/26 12:59	03/02/26 22:08	1
Ethylbenzene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 22:08	1
Toluene	ND		0.048	mg/Kg		02/25/26 12:59	03/02/26 22:08	1
Xylenes, Total	ND		0.097	mg/Kg		02/25/26 12:59	03/02/26 22:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		15 - 150			02/25/26 12:59	03/02/26 22:08	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/25/26 13:55	02/26/26 03:40	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/25/26 13:55	02/26/26 03:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			02/25/26 13:55	02/26/26 03:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		50	mg/Kg		02/27/26 15:30	03/01/26 14:09	10

QC Association Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-3

GC VOA

Prep Batch: 43882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	5030C	
885-43917-47	TP26-08 1	Total/NA	Solid	5030C	
885-43917-48	TP26-08 2	Total/NA	Solid	5030C	

Analysis Batch: 44123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	8015M/D	43882
885-43917-47	TP26-08 1	Total/NA	Solid	8015M/D	43882
885-43917-48	TP26-08 2	Total/NA	Solid	8015M/D	43882

Analysis Batch: 44124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	8021B	43882
885-43917-47	TP26-08 1	Total/NA	Solid	8021B	43882
885-43917-48	TP26-08 2	Total/NA	Solid	8021B	43882

GC Semi VOA

Analysis Batch: 43846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	8015M/D	43886
885-43917-47	TP26-08 1	Total/NA	Solid	8015M/D	43886
885-43917-48	TP26-08 2	Total/NA	Solid	8015M/D	43886

Prep Batch: 43886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	SHAKE	
885-43917-47	TP26-08 1	Total/NA	Solid	SHAKE	
885-43917-48	TP26-08 2	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 44061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	300_Prep	
885-43917-47	TP26-08 1	Total/NA	Solid	300_Prep	
885-43917-48	TP26-08 2	Total/NA	Solid	300_Prep	

Analysis Batch: 44097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43917-46	TP26-08 0	Total/NA	Solid	300.0	44061
885-43917-47	TP26-08 1	Total/NA	Solid	300.0	44061
885-43917-48	TP26-08 2	Total/NA	Solid	300.0	44061

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-3

Client Sample ID: TP26-08 0

Lab Sample ID: 885-43917-46

Date Collected: 02/20/26 15:00

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 21:21
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 21:21
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 03:19
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 13:48

Client Sample ID: TP26-08 1

Lab Sample ID: 885-43917-47

Date Collected: 02/20/26 15:05

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 21:45
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 21:45
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 03:29
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 13:59

Client Sample ID: TP26-08 2

Lab Sample ID: 885-43917-48

Date Collected: 02/20/26 15:10

Matrix: Solid

Date Received: 02/24/26 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8015M/D		1	44123	VP	EET ALB	03/02/26 22:08
Total/NA	Prep	5030C			43882	VP	EET ALB	02/25/26 12:59
Total/NA	Analysis	8021B		1	44124	VP	EET ALB	03/02/26 22:08
Total/NA	Prep	SHAKE			43886	DR	EET ALB	02/25/26 13:55
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 03:40
Total/NA	Prep	300_Prep			44061	MS	EET ALB	02/27/26 15:30
Total/NA	Analysis	300.0		10	44097	JT	EET ALB	03/01/26 14:09

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-43917-3

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Turn-Around Time:
 Standard **5-Day Standard**

Project Name:
Todd 36 M State 13

Project #:
25A-02301



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: **Vertex Resource**

(direct bill to Devon, Jim Raley 1006093001)

Mailing Address:
 3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____

EDD (Type) _____

Project Manager:
 Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: **Katrina Taylor**

On Ice: Yes No

of Coolers: _____

Cooler Temp^D(including CF): _____

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)																									
02.20.26	15:00	Soil	TP26-08 0	1, 4oz jar	ICE		X	X					X																												
02.20.26	15:05	Soil	TP26-08 1	1, 4oz jar	ICE		X	X					X																												
02.20.26	15:10	Soil	TP26-08 2	1, 4oz jar	ICE		X	X					X																												
02.20.26	15:15	Soil	TP26-08 3	1, 4oz jar	ICE		X	X					X																												
02.20.26	15:20	Soil	TP26-08 4	1, 4oz jar	ICE		X	X					X																												

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	Remarks: ATTN Jim Raley Direct bill to Devon work order 1006093001 Jim Raley cc. permian@vertexresource.com, kstallings@vertexresource.com, LPullman@vertexresource.com, Katrina.Taylor@vertexresource.com for Final Report PLEASE PUT THIS COC ON ITS OWN REPORT
			<i>[Signature]</i>		2/23/26	9:50	
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	
3/5/2026	19:00	<i>[Signature]</i>	<i>[Signature]</i>		2/24/26	7:40	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-43917-3

Login Number: 43917

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Albuquerque





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 3/6/2026 2:22:52 PM

JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-44187-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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3/6/2026 2:22:52 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-44187-1



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Definitions/Glossary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-44187-1

Job ID: 885-44187-1

Eurofins Albuquerque

Job Narrative 885-44187-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 2/27/2026 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Client Sample ID: TP26-01

Lab Sample ID: 885-44187-1

Date Collected: 02/19/26 09:00

Matrix: Solid

Date Received: 02/27/26 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/27/26 12:14	03/04/26 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/27/26 12:14	03/04/26 01:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/27/26 12:14	03/04/26 01:06	1
Ethylbenzene	ND		0.049	mg/Kg		02/27/26 12:14	03/04/26 01:06	1
Toluene	ND		0.049	mg/Kg		02/27/26 12:14	03/04/26 01:06	1
Xylenes, Total	ND		0.098	mg/Kg		02/27/26 12:14	03/04/26 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/27/26 12:14	03/04/26 01:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/27/26 15:19	03/02/26 18:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/27/26 15:19	03/02/26 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			02/27/26 15:19	03/02/26 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96		50	mg/Kg		03/03/26 08:51	03/03/26 22:17	10

QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-44039/1-A
Matrix: Solid
Analysis Batch: 44250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44039

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/27/26 12:14	03/03/26 16:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150	02/27/26 12:14	03/03/26 16:02	1

Lab Sample ID: LCS 885-44039/2-A
Matrix: Solid
Analysis Batch: 44250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	20.8		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	200		15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-44039/1-A
Matrix: Solid
Analysis Batch: 44251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44039

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/27/26 12:14	03/03/26 16:02	1
Ethylbenzene	ND		0.050	mg/Kg		02/27/26 12:14	03/03/26 16:02	1
Toluene	ND		0.050	mg/Kg		02/27/26 12:14	03/03/26 16:02	1
Xylenes, Total	ND		0.10	mg/Kg		02/27/26 12:14	03/03/26 16:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150	02/27/26 12:14	03/03/26 16:02	1

Lab Sample ID: LCS 885-44039/3-A
Matrix: Solid
Analysis Batch: 44251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.916		mg/Kg		92	70 - 130
Ethylbenzene	1.00	0.897		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	2.00	1.83		mg/Kg		91	70 - 130
o-Xylene	1.00	0.896		mg/Kg		90	70 - 130
Toluene	1.00	0.919		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		15 - 150

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-44060/1-A
 Matrix: Solid
 Analysis Batch: 44112

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44060

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/27/26 15:19	03/02/26 13:04	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/27/26 15:19	03/02/26 13:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			02/27/26 15:19	03/02/26 13:04	1

Lab Sample ID: LCS 885-44060/2-A
 Matrix: Solid
 Analysis Batch: 44112

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.0		mg/Kg		104	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	81		62 - 134				

Lab Sample ID: 885-44187-1 MS
 Matrix: Solid
 Analysis Batch: 44112

Client Sample ID: TP26-01
 Prep Type: Total/NA
 Prep Batch: 44060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.8	52.2		mg/Kg		109	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	89		62 - 134						

Lab Sample ID: 885-44187-1 MSD
 Matrix: Solid
 Analysis Batch: 44112

Client Sample ID: TP26-01
 Prep Type: Total/NA
 Prep Batch: 44060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		48.3	46.1		mg/Kg		96	44 - 136	12	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	85		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-44186/1-A
 Matrix: Solid
 Analysis Batch: 44175

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44186

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		03/03/26 08:51	03/03/26 17:18	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-44186/2-A
Matrix: Solid
Analysis Batch: 44175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.7	50.2		mg/Kg		99	90 - 110

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QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

GC VOA

Prep Batch: 44039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	5030C	
MB 885-44039/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44039/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44039/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 44250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	8015M/D	44039
MB 885-44039/1-A	Method Blank	Total/NA	Solid	8015M/D	44039
LCS 885-44039/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44039

Analysis Batch: 44251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	8021B	44039
MB 885-44039/1-A	Method Blank	Total/NA	Solid	8021B	44039
LCS 885-44039/3-A	Lab Control Sample	Total/NA	Solid	8021B	44039

GC Semi VOA

Prep Batch: 44060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	SHAKE	
MB 885-44060/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-44060/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-44187-1 MS	TP26-01	Total/NA	Solid	SHAKE	
885-44187-1 MSD	TP26-01	Total/NA	Solid	SHAKE	

Analysis Batch: 44112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	8015M/D	44060
MB 885-44060/1-A	Method Blank	Total/NA	Solid	8015M/D	44060
LCS 885-44060/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44060
885-44187-1 MS	TP26-01	Total/NA	Solid	8015M/D	44060
885-44187-1 MSD	TP26-01	Total/NA	Solid	8015M/D	44060

HPLC/IC

Analysis Batch: 44175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	300.0	44186
MB 885-44186/1-A	Method Blank	Total/NA	Solid	300.0	44186
LCS 885-44186/2-A	Lab Control Sample	Total/NA	Solid	300.0	44186

Prep Batch: 44186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44187-1	TP26-01	Total/NA	Solid	300_Prep	
MB 885-44186/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44186/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Client Sample ID: TP26-01
Date Collected: 02/19/26 09:00
Date Received: 02/27/26 08:00

Lab Sample ID: 885-44187-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44039	VP	EET ALB	02/27/26 12:14
Total/NA	Analysis	8015M/D		1	44250	AT	EET ALB	03/04/26 01:06
Total/NA	Prep	5030C			44039	VP	EET ALB	02/27/26 12:14
Total/NA	Analysis	8021B		1	44251	AT	EET ALB	03/04/26 01:06
Total/NA	Prep	SHAKE			44060	BV	EET ALB	02/27/26 15:19
Total/NA	Analysis	8015M/D		1	44112	BV	EET ALB	03/02/26 18:06
Total/NA	Prep	300_Prep			44186	MS	EET ALB	03/03/26 08:51
Total/NA	Analysis	300.0		10	44175	JT	EET ALB	03/03/26 22:17

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44187-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: **Vertex Resource**

(direct bill to Devon, Jim Raley 1006093001)

Mailing Address:

3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other _____

EDD (Type) _____

Turn-Around Time:

Standard ^{Rush} 5-Day Standard

Project Name:

Todd 36 M State 13

Project #:

25A-02301

Project Manager:

Kent Stallings, Sally Carttar

kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: Katrina Taylor

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): $2.4 + 0.2 = 2.6^{\circ}$

Container Type and #

Preservative Type

HEAL No.



HALL ENVIRONMENTAL ANALYSIS LABOR



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87106 885-44187 COC

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
02.19.26	9:00	Soil	TP26-01 0	1, 4oz jar	ICE		X	X					X			

Date: Time: Relinquished by: *[Signature]*

Received by: Via: Date: Time: *2/26/26 8:45*

Remarks: ATTN Jim Raley
Direct bill to Devon work order 1006093001 Jim Raley
cc. permian@vertexresource.com, kstallings@vertexresource.com,
LPullman@vertexresource.com,
Katrina.Taylor@vertexresource.com for Final Report

Date: Time: Relinquished by: *2/26/26 1900 [Signature]*

Received by: Via: *causer* Date: Time: *2/27/26 8:00*

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-44187-1

Login Number: 44187

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
 Vertex
 3101 Boyd Dr
 Carlsbad, New Mexico 88220

Generated 3/6/2026 11:00:21 AM

JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-44190-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
3/6/2026 11:00:21 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-44190-1

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Definitions/Glossary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-44190-1

Job ID: 885-44190-1

Eurofins Albuquerque

Job Narrative 885-44190-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/27/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Client Sample ID: TP26-08 3

Lab Sample ID: 885-44190-1

Date Collected: 02/20/26 15:15

Matrix: Solid

Date Received: 02/27/26 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/02/26 10:55	03/04/26 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/02/26 10:55	03/04/26 14:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/02/26 10:55	03/04/26 14:34	1
Ethylbenzene	ND		0.049	mg/Kg		03/02/26 10:55	03/04/26 14:34	1
Toluene	ND		0.049	mg/Kg		03/02/26 10:55	03/04/26 14:34	1
Xylenes, Total	ND		0.098	mg/Kg		03/02/26 10:55	03/04/26 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			03/02/26 10:55	03/04/26 14:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/02/26 08:45	03/03/26 11:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/02/26 08:45	03/03/26 11:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			03/02/26 08:45	03/03/26 11:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		50	mg/Kg		03/03/26 09:46	03/03/26 23:09	10

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Client Sample ID: TP26-08 4

Lab Sample ID: 885-44190-2

Date Collected: 02/20/26 15:20

Matrix: Solid

Date Received: 02/27/26 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/02/26 10:55	03/04/26 15:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			03/02/26 10:55	03/04/26 15:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/02/26 10:55	03/04/26 15:40	1
Ethylbenzene	ND		0.049	mg/Kg		03/02/26 10:55	03/04/26 15:40	1
Toluene	ND		0.049	mg/Kg		03/02/26 10:55	03/04/26 15:40	1
Xylenes, Total	ND		0.099	mg/Kg		03/02/26 10:55	03/04/26 15:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			03/02/26 10:55	03/04/26 15:40	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/02/26 08:45	03/03/26 11:21	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/02/26 08:45	03/03/26 11:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			03/02/26 08:45	03/03/26 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		50	mg/Kg		03/03/26 09:46	03/03/26 23:40	10

QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-44132/1-A
Matrix: Solid
Analysis Batch: 44295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44132

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/02/26 10:55	03/04/26 14:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			03/02/26 10:55	03/04/26 14:13	1

Lab Sample ID: LCS 885-44132/2-A
Matrix: Solid
Analysis Batch: 44295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	28.9		mg/Kg		116	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	228		15 - 150				

Lab Sample ID: 885-44190-1 MS
Matrix: Solid
Analysis Batch: 44295

Client Sample ID: TP26-08 3
Prep Type: Total/NA
Prep Batch: 44132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.7	27.8		mg/Kg		112	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	230		15 - 150						

Lab Sample ID: 885-44190-1 MSD
Matrix: Solid
Analysis Batch: 44295

Client Sample ID: TP26-08 3
Prep Type: Total/NA
Prep Batch: 44132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	25.9		mg/Kg		105	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	231		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-44132/1-A
Matrix: Solid
Analysis Batch: 44296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44132

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/02/26 10:55	03/04/26 14:13	1
Ethylbenzene	ND		0.050	mg/Kg		03/02/26 10:55	03/04/26 14:13	1
Toluene	ND		0.050	mg/Kg		03/02/26 10:55	03/04/26 14:13	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-44132/1-A
Matrix: Solid
Analysis Batch: 44296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44132

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		03/02/26 10:55	03/04/26 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150	03/02/26 10:55	03/04/26 14:13	1

Lab Sample ID: LCS 885-44132/3-A
Matrix: Solid
Analysis Batch: 44296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.964		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	2.00	1.96		mg/Kg		98	70 - 130
o-Xylene	1.00	0.950		mg/Kg		95	70 - 130
Toluene	1.00	0.978		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		15 - 150

Lab Sample ID: 885-44190-2 MS
Matrix: Solid
Analysis Batch: 44296

Client Sample ID: TP26-08 4
Prep Type: Total/NA
Prep Batch: 44132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.970	0.870		mg/Kg		90	70 - 130
Ethylbenzene	ND		0.970	0.875		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	ND		1.94	1.75		mg/Kg		90	70 - 130
o-Xylene	ND		0.970	0.861		mg/Kg		89	70 - 130
Toluene	ND		0.970	0.875		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		15 - 150

Lab Sample ID: 885-44190-2 MSD
Matrix: Solid
Analysis Batch: 44296

Client Sample ID: TP26-08 4
Prep Type: Total/NA
Prep Batch: 44132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.973	0.868		mg/Kg		89	70 - 130	0	20
Ethylbenzene	ND		0.973	0.877		mg/Kg		90	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.95	1.76		mg/Kg		90	70 - 130	1	20
o-Xylene	ND		0.973	0.860		mg/Kg		88	70 - 130	0	20
Toluene	ND		0.973	0.876		mg/Kg		90	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		15 - 150

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-44198/1-A
 Matrix: Solid
 Analysis Batch: 44175

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44198

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		03/03/26 09:45	03/03/26 22:28	1

Lab Sample ID: LCS 885-44198/2-A
 Matrix: Solid
 Analysis Batch: 44175

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.5	49.3		mg/Kg		98	90 - 110

Lab Sample ID: 885-44190-2 MS
 Matrix: Solid
 Analysis Batch: 44175

Client Sample ID: TP26-08 4
 Prep Type: Total/NA
 Prep Batch: 44198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	450		50.0	501	4	mg/Kg		101	50 - 150

Lab Sample ID: 885-44190-2 MSD
 Matrix: Solid
 Analysis Batch: 44175

Client Sample ID: TP26-08 4
 Prep Type: Total/NA
 Prep Batch: 44198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	450		50.0	494	4	mg/Kg		86	50 - 150	1	20

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

GC VOA

Prep Batch: 44132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	5030C	
885-44190-2	TP26-08 4	Total/NA	Solid	5030C	
MB 885-44132/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44132/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44132/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-44190-1 MS	TP26-08 3	Total/NA	Solid	5030C	
885-44190-1 MSD	TP26-08 3	Total/NA	Solid	5030C	
885-44190-2 MS	TP26-08 4	Total/NA	Solid	5030C	
885-44190-2 MSD	TP26-08 4	Total/NA	Solid	5030C	

Analysis Batch: 44295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	8015M/D	44132
885-44190-2	TP26-08 4	Total/NA	Solid	8015M/D	44132
MB 885-44132/1-A	Method Blank	Total/NA	Solid	8015M/D	44132
LCS 885-44132/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44132
885-44190-1 MS	TP26-08 3	Total/NA	Solid	8015M/D	44132
885-44190-1 MSD	TP26-08 3	Total/NA	Solid	8015M/D	44132

Analysis Batch: 44296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	8021B	44132
885-44190-2	TP26-08 4	Total/NA	Solid	8021B	44132
MB 885-44132/1-A	Method Blank	Total/NA	Solid	8021B	44132
LCS 885-44132/3-A	Lab Control Sample	Total/NA	Solid	8021B	44132
885-44190-2 MS	TP26-08 4	Total/NA	Solid	8021B	44132
885-44190-2 MSD	TP26-08 4	Total/NA	Solid	8021B	44132

GC Semi VOA

Prep Batch: 44110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	SHAKE	
885-44190-2	TP26-08 4	Total/NA	Solid	SHAKE	

Analysis Batch: 44188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	8015M/D	44110
885-44190-2	TP26-08 4	Total/NA	Solid	8015M/D	44110

HPLC/IC

Analysis Batch: 44175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	300.0	44198
885-44190-2	TP26-08 4	Total/NA	Solid	300.0	44198
MB 885-44198/1-A	Method Blank	Total/NA	Solid	300.0	44198
LCS 885-44198/2-A	Lab Control Sample	Total/NA	Solid	300.0	44198
885-44190-2 MS	TP26-08 4	Total/NA	Solid	300.0	44198
885-44190-2 MSD	TP26-08 4	Total/NA	Solid	300.0	44198

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

HPLC/IC

Prep Batch: 44198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44190-1	TP26-08 3	Total/NA	Solid	300_Prep	
885-44190-2	TP26-08 4	Total/NA	Solid	300_Prep	
MB 885-44198/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44198/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-44190-2 MS	TP26-08 4	Total/NA	Solid	300_Prep	
885-44190-2 MSD	TP26-08 4	Total/NA	Solid	300_Prep	

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Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Client Sample ID: TP26-08 3

Lab Sample ID: 885-44190-1

Date Collected: 02/20/26 15:15

Matrix: Solid

Date Received: 02/27/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44132	VP	EET ALB	03/02/26 10:55
Total/NA	Analysis	8015M/D		1	44295	AT	EET ALB	03/04/26 14:34
Total/NA	Prep	5030C			44132	VP	EET ALB	03/02/26 10:55
Total/NA	Analysis	8021B		1	44296	AT	EET ALB	03/04/26 14:34
Total/NA	Prep	SHAKE			44110	DR	EET ALB	03/02/26 08:45
Total/NA	Analysis	8015M/D		1	44188	BV	EET ALB	03/03/26 11:10
Total/NA	Prep	300_Prep			44198	MS	EET ALB	03/03/26 09:46
Total/NA	Analysis	300.0		10	44175	JT	EET ALB	03/03/26 23:09

Client Sample ID: TP26-08 4

Lab Sample ID: 885-44190-2

Date Collected: 02/20/26 15:20

Matrix: Solid

Date Received: 02/27/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44132	VP	EET ALB	03/02/26 10:55
Total/NA	Analysis	8015M/D		1	44295	AT	EET ALB	03/04/26 15:40
Total/NA	Prep	5030C			44132	VP	EET ALB	03/02/26 10:55
Total/NA	Analysis	8021B		1	44296	AT	EET ALB	03/04/26 15:40
Total/NA	Prep	SHAKE			44110	DR	EET ALB	03/02/26 08:45
Total/NA	Analysis	8015M/D		1	44188	BV	EET ALB	03/03/26 11:21
Total/NA	Prep	300_Prep			44198	MS	EET ALB	03/03/26 09:46
Total/NA	Analysis	300.0		10	44175	JT	EET ALB	03/03/26 23:40

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-44190-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: **Vertex Resource**
 (direct bill to Devon, Jim Raley 1006093001)
 Mailing Address:
 3601 Boyd Dr, Carlsbad nm, 88220
 Phone #: 575-725-5001
 email or Fax#:
 QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard ^{Push} 5-Day Standard
 Project Name:
Todd 36 M State 13
 Project #:
25A-02301
 Project Manager:
 Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca
 Sampler: Katrina Taylor
 On Ice: Yes No Joe
 # of Coolers: 1

Cooler Temp (including CF): $2.4 + 0.2 = 2.6^{\circ}\text{C}$



HALL ENVIRONMENTAL ANALYSIS LABO

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87
 Tel. 505-345-3975 Fax 505-345-4107



885-44190 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
02.20.26	15:15	Soil	TP26-08 3	1, 4oz jar	ICE		X	X					X									
02.20.26	15:20	Soil	TP26-08 4	1, 4oz jar	ICE		X	X					X									

Date: *2/20/26* Time: *8:45* Relinquished by: *[Signature]*
 Date: *2/20/26* Time: *1900* Relinquished by: *[Signature]*

Received by: *[Signature]* Via: *[Signature]* Date: *2/20/26* Time: *8:45*
 Received by: *[Signature]* Via: *Carner* Date: *2/23/26* Time: *8:00*

Remarks: **ATTN Jim Raley**
 Direct bill to Devon work order 1006093001 Jim Raley
 cc. permian@vertexresource.com, kstallings@vertexresource.com,
 LPullman@vertexresource.com,
 Katrina.Taylor@vertexresource.com for Final Report
PLEASE PUT THIS COC ON ITS OWN REPORT

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-44190-1

Login Number: 44190

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
 Vertex
 3101 Boyd Dr
 Carlsbad, New Mexico 88220

Generated 3/20/2026 11:48:22 AM

JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-45405-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
3/20/2026 11:48:22 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-45405-1

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Definitions/Glossary

Client: Vertex

Job ID: 885-45405-1

Project/Site: Todd 36 M State 13

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-45405-1

Job ID: 885-45405-1

Eurofins Albuquerque

Job Narrative 885-45405-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/17/2026 7:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 0

Lab Sample ID: 885-45405-1

Date Collected: 03/12/26 15:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/17/26 11:28	03/19/26 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			03/17/26 11:28	03/19/26 16:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 16:02	1
Ethylbenzene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 16:02	1
Toluene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 16:02	1
Xylenes, Total	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 16:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/18/26 10:12	03/18/26 17:26	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/18/26 10:12	03/18/26 17:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			03/18/26 10:12	03/18/26 17:26	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	130		49	mg/Kg			03/18/26 13:01	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 1

Lab Sample ID: 885-45405-2

Date Collected: 03/12/26 15:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/17/26 11:28	03/19/26 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/17/26 11:28	03/19/26 16:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/17/26 11:28	03/19/26 16:23	1
Ethylbenzene	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 16:23	1
Toluene	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 16:23	1
Xylenes, Total	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 16:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/18/26 10:12	03/18/26 17:38	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/18/26 10:12	03/18/26 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			03/18/26 10:12	03/18/26 17:38	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	98		50	mg/Kg			03/18/26 13:01	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 2

Lab Sample ID: 885-45405-3

Date Collected: 03/12/26 16:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/17/26 11:28	03/19/26 16:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			03/17/26 11:28	03/19/26 16:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/17/26 11:28	03/19/26 16:45	1
Ethylbenzene	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 16:45	1
Toluene	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 16:45	1
Xylenes, Total	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 16:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 16:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/18/26 10:12	03/18/26 17:50	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/18/26 10:12	03/18/26 17:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			03/18/26 10:12	03/18/26 17:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	69		49	mg/Kg			03/18/26 13:02	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 3

Lab Sample ID: 885-45405-4

Date Collected: 03/12/26 16:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/17/26 11:28	03/19/26 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/17/26 11:28	03/19/26 17:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/17/26 11:28	03/19/26 17:07	1
Ethylbenzene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 17:07	1
Toluene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 17:07	1
Xylenes, Total	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 17:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		03/18/26 10:12	03/18/26 18:13	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/18/26 10:12	03/18/26 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			03/18/26 10:12	03/18/26 18:13	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	61		51	mg/Kg			03/18/26 13:03	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 4

Lab Sample ID: 885-45405-5

Date Collected: 03/12/26 17:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/17/26 11:28	03/19/26 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/17/26 11:28	03/19/26 17:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 17:29	1
Ethylbenzene	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 17:29	1
Toluene	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 17:29	1
Xylenes, Total	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 17:29	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/18/26 10:12	03/18/26 18:25	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/18/26 10:12	03/18/26 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			03/18/26 10:12	03/18/26 18:25	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	110		50	mg/Kg			03/18/26 13:03	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-44981/1-A
 Matrix: Solid
 Analysis Batch: 45117

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			03/17/26 11:28	03/19/26 12:25	1

Lab Sample ID: LCS 885-44981/2-A
 Matrix: Solid
 Analysis Batch: 45117

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	24.7		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	222		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-44981/1-A
 Matrix: Solid
 Analysis Batch: 45118

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Ethylbenzene	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Toluene	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Xylenes, Total	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 12:25	1

Lab Sample ID: LCS 885-44981/3-A
 Matrix: Solid
 Analysis Batch: 45118

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.00		mg/Kg		100	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	2.00	2.03		mg/Kg		102	70 - 130
o-Xylene	1.00	1.00		mg/Kg		100	70 - 130
Toluene	1.00	1.00		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		15 - 150				

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-45041/1-A
 Matrix: Solid
 Analysis Batch: 45024

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 45041

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/18/26 10:12	03/18/26 14:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/18/26 10:12	03/18/26 14:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			03/18/26 10:12	03/18/26 14:55	1

Lab Sample ID: LCS 885-45041/2-A
 Matrix: Solid
 Analysis Batch: 45024

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 45041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	67.0		mg/Kg		134	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	112		62 - 134				

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 885-45042/1-A
 Matrix: Solid
 Analysis Batch: 45080

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg			03/18/26 12:51	1

Lab Sample ID: LCS 885-45042/2-A
 Matrix: Solid
 Analysis Batch: 45080

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	203	185		mg/Kg		91	-

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

GC VOA

Prep Batch: 44981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Total/NA	Solid	5030C	
885-45405-2	BH26-11 1	Total/NA	Solid	5030C	
885-45405-3	BH26-11 2	Total/NA	Solid	5030C	
885-45405-4	BH26-11 3	Total/NA	Solid	5030C	
885-45405-5	BH26-11 4	Total/NA	Solid	5030C	
MB 885-44981/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44981/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44981/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 45117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Total/NA	Solid	8015M/D	44981
885-45405-2	BH26-11 1	Total/NA	Solid	8015M/D	44981
885-45405-3	BH26-11 2	Total/NA	Solid	8015M/D	44981
885-45405-4	BH26-11 3	Total/NA	Solid	8015M/D	44981
885-45405-5	BH26-11 4	Total/NA	Solid	8015M/D	44981
MB 885-44981/1-A	Method Blank	Total/NA	Solid	8015M/D	44981
LCS 885-44981/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44981

Analysis Batch: 45118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Total/NA	Solid	8021B	44981
885-45405-2	BH26-11 1	Total/NA	Solid	8021B	44981
885-45405-3	BH26-11 2	Total/NA	Solid	8021B	44981
885-45405-4	BH26-11 3	Total/NA	Solid	8021B	44981
885-45405-5	BH26-11 4	Total/NA	Solid	8021B	44981
MB 885-44981/1-A	Method Blank	Total/NA	Solid	8021B	44981
LCS 885-44981/3-A	Lab Control Sample	Total/NA	Solid	8021B	44981

GC Semi VOA

Analysis Batch: 45024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Total/NA	Solid	8015M/D	45041
885-45405-2	BH26-11 1	Total/NA	Solid	8015M/D	45041
885-45405-3	BH26-11 2	Total/NA	Solid	8015M/D	45041
885-45405-4	BH26-11 3	Total/NA	Solid	8015M/D	45041
885-45405-5	BH26-11 4	Total/NA	Solid	8015M/D	45041
MB 885-45041/1-A	Method Blank	Total/NA	Solid	8015M/D	45041
LCS 885-45041/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	45041

Prep Batch: 45041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Total/NA	Solid	SHAKE	
885-45405-2	BH26-11 1	Total/NA	Solid	SHAKE	
885-45405-3	BH26-11 2	Total/NA	Solid	SHAKE	
885-45405-4	BH26-11 3	Total/NA	Solid	SHAKE	
885-45405-5	BH26-11 4	Total/NA	Solid	SHAKE	
MB 885-45041/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-45041/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

General Chemistry

Leach Batch: 45042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Soluble	Solid	DI Leach	
885-45405-2	BH26-11 1	Soluble	Solid	DI Leach	
885-45405-3	BH26-11 2	Soluble	Solid	DI Leach	
885-45405-4	BH26-11 3	Soluble	Solid	DI Leach	
885-45405-5	BH26-11 4	Soluble	Solid	DI Leach	
MB 885-45042/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 885-45042/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Analysis Batch: 45080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45405-1	BH26-11 0	Soluble	Solid	SM 4500 CI- E	45042
885-45405-2	BH26-11 1	Soluble	Solid	SM 4500 CI- E	45042
885-45405-3	BH26-11 2	Soluble	Solid	SM 4500 CI- E	45042
885-45405-4	BH26-11 3	Soluble	Solid	SM 4500 CI- E	45042
885-45405-5	BH26-11 4	Soluble	Solid	SM 4500 CI- E	45042
MB 885-45042/1-A	Method Blank	Soluble	Solid	SM 4500 CI- E	45042
LCS 885-45042/2-A	Lab Control Sample	Soluble	Solid	SM 4500 CI- E	45042

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 0

Lab Sample ID: 885-45405-1

Date Collected: 03/12/26 15:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 16:02
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 16:02
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 17:26
Soluble	Leach	DI Leach			45042	MS	EET ALB	03/18/26 10:18
Soluble	Analysis	SM 4500 CI- E		1	45080	MS	EET ALB	03/18/26 13:01

Client Sample ID: BH26-11 1

Lab Sample ID: 885-45405-2

Date Collected: 03/12/26 15:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 16:23
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 16:23
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 17:38
Soluble	Leach	DI Leach			45042	MS	EET ALB	03/18/26 10:18
Soluble	Analysis	SM 4500 CI- E		1	45080	MS	EET ALB	03/18/26 13:01

Client Sample ID: BH26-11 2

Lab Sample ID: 885-45405-3

Date Collected: 03/12/26 16:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 16:45
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 16:45
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 17:50
Soluble	Leach	DI Leach			45042	MS	EET ALB	03/18/26 10:18
Soluble	Analysis	SM 4500 CI- E		1	45080	MS	EET ALB	03/18/26 13:02

Client Sample ID: BH26-11 3

Lab Sample ID: 885-45405-4

Date Collected: 03/12/26 16:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 17:07

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Client Sample ID: BH26-11 3

Lab Sample ID: 885-45405-4

Date Collected: 03/12/26 16:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 17:07
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 18:13
Soluble	Leach	DI Leach			45042	MS	EET ALB	03/18/26 10:18
Soluble	Analysis	SM 4500 Cl- E		1	45080	MS	EET ALB	03/18/26 13:03

Client Sample ID: BH26-11 4

Lab Sample ID: 885-45405-5

Date Collected: 03/12/26 17:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 17:29
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 17:29
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 18:25
Soluble	Leach	DI Leach			45042	MS	EET ALB	03/18/26 10:18
Soluble	Analysis	SM 4500 Cl- E		1	45080	MS	EET ALB	03/18/26 13:03

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45405-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
SM 4500 Cl- E		Solid	Chloride

Oregon	NELAP	NM100001	02-25-27
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 Cl- E		Solid	Chloride

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: **Vertex Resource**
 (direct bill to Devon, Jim Raley 1006093001)
 Mailing Address:
 3601 Boyd Dr, Carlsbad nm, 88220
 Phone #: 575-725-5001

email or Fax#: _____
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard **5-Day Standard** *2/26/26*
 Project Name:
Todd 36 M State 13
 Project #:
25A-02301

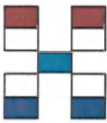
Project Manager:
 Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca
 Sampler: Katrina Taylor
 On Ice: Yes No
 # of Coolers: *1*

Cooler Temp (including CF): *3.5 + 0.2 = 3.7 C*


Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
<i>03.13.26</i>	<i>10:00</i>	Soil	BH26-11 0	1, 4oz jar	ICE	
<i>03.13.26</i>	<i>10:30</i>	Soil	BH26-11 1	1, 4oz jar	ICE	
<i>03.13.26</i>	<i>11:00</i>	Soil	BH26-11 2	1, 4oz jar	ICE	
<i>03.13.26</i>	<i>11:30</i>	Soil	BH26-11 3	1, 4oz jar	ICE	
<i>03.13.26</i>	<i>12:00</i>	Soil	BH26-11 4	1, 4oz jar	ICE	
<i>Per Client - DAD 03/17/26 *</i>						

Date: *3/16/26* Time: *1000* Relinquished by: *[Signature]*
 Date: *3/16/26* Time: *1900* Relinquished by: *[Signature]*

Received by: *[Signature]* Via: _____ Date: *3/16/26* Time: *1000*
 Received by: *[Signature]* Via: *Courier* Date: *3-17-26* Time: *755*



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 8710
 Tel. 505-345-3975 Fax 505-345-4107 885-45405 COC



Analysis Request											
BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	CI	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)		
X	X					X					
X	X					X					
X	X					X					
X	X					X					

Remarks: ATTN Jim Raley
 Direct bill to Devon work order 1006093001 Jim Raley
 cc. permian@vertexresource.com, kstallings@vertexresource.com,
 LPullman@vertexresource.com, Katrina.Taylor@vertexresource.com for
 Final Report
PLEASE PUT THIS COC ON ITS OWN REPORT

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-45405-1

Login Number: 45405

List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 3/23/2026 4:18:24 PM

JOB DESCRIPTION

Todd 36 M State 13

JOB NUMBER

885-45406-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: Todd 36 M State 13

Laboratory Job ID: 885-45406-1



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Definitions/Glossary

Client: Vertex

Job ID: 885-45406-1

Project/Site: Todd 36 M State 13

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Vertex
Project: Todd 36 M State 13

Job ID: 885-45406-1

Job ID: 885-45406-1

Eurofins Albuquerque

Job Narrative 885-45406-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/17/2026 7:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 0

Lab Sample ID: 885-45406-1

Date Collected: 03/12/26 10:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/17/26 11:28	03/19/26 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			03/17/26 11:28	03/19/26 18:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 18:12	1
Ethylbenzene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:12	1
Toluene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:12	1
Xylenes, Total	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 18:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.7		9.6	mg/Kg		03/18/26 10:12	03/18/26 18:36	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/18/26 10:12	03/18/26 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			03/18/26 10:12	03/18/26 18:36	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	ND		50	mg/Kg			03/19/26 12:08	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 1

Lab Sample ID: 885-45406-2

Date Collected: 03/12/26 10:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/17/26 11:28	03/19/26 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/17/26 11:28	03/19/26 18:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 18:33	1
Ethylbenzene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:33	1
Toluene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:33	1
Xylenes, Total	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 18:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		03/18/26 10:12	03/18/26 18:48	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/18/26 10:12	03/18/26 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			03/18/26 10:12	03/18/26 18:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	ND		51	mg/Kg			03/19/26 12:10	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 2

Lab Sample ID: 885-45406-3

Date Collected: 03/12/26 11:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/17/26 11:28	03/19/26 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 18:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 18:55	1
Ethylbenzene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:55	1
Toluene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:55	1
Xylenes, Total	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 18:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/18/26 10:12	03/18/26 19:00	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/18/26 10:12	03/18/26 19:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			03/18/26 10:12	03/18/26 19:00	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	110		51	mg/Kg			03/19/26 12:10	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 3

Lab Sample ID: 885-45406-4

Date Collected: 03/12/26 11:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/17/26 11:28	03/19/26 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			03/17/26 11:28	03/19/26 19:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 19:17	1
Ethylbenzene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 19:17	1
Toluene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 19:17	1
Xylenes, Total	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/17/26 11:28	03/19/26 19:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/18/26 10:12	03/18/26 19:12	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/18/26 10:12	03/18/26 19:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			03/18/26 10:12	03/18/26 19:12	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	180		50	mg/Kg			03/19/26 12:11	1

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 4

Lab Sample ID: 885-45406-5

Date Collected: 03/12/26 12:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/17/26 11:28	03/19/26 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			03/17/26 11:28	03/19/26 19:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/17/26 11:28	03/19/26 19:39	1
Ethylbenzene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 19:39	1
Toluene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 19:39	1
Xylenes, Total	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 19:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/18/26 10:12	03/18/26 19:23	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/18/26 10:12	03/18/26 19:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			03/18/26 10:12	03/18/26 19:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	220		50	mg/Kg			03/19/26 12:11	1

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 0

Lab Sample ID: 885-45406-6

Date Collected: 03/12/26 12:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/17/26 11:28	03/19/26 20:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/17/26 11:28	03/19/26 20:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/17/26 11:28	03/19/26 20:00	1
Ethylbenzene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 20:00	1
Toluene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 20:00	1
Xylenes, Total	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 20:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			03/17/26 11:28	03/19/26 20:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/18/26 10:12	03/18/26 19:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/18/26 10:12	03/18/26 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			03/18/26 10:12	03/18/26 19:35	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	70		51	mg/Kg			03/19/26 12:12	1

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 1

Lab Sample ID: 885-45406-7

Date Collected: 03/12/26 13:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/17/26 11:28	03/19/26 20:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			03/17/26 11:28	03/19/26 20:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 20:22	1
Ethylbenzene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 20:22	1
Toluene	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 20:22	1
Xylenes, Total	ND		0.048	mg/Kg		03/17/26 11:28	03/19/26 20:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/17/26 11:28	03/19/26 20:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/18/26 10:12	03/18/26 19:47	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/18/26 10:12	03/18/26 19:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			03/18/26 10:12	03/18/26 19:47	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	270		50	mg/Kg			03/19/26 12:12	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 2

Lab Sample ID: 885-45406-8

Date Collected: 03/12/26 13:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/17/26 11:28	03/19/26 20:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/17/26 11:28	03/19/26 20:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 20:44	1
Ethylbenzene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 20:44	1
Toluene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 20:44	1
Xylenes, Total	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 20:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/17/26 11:28	03/19/26 20:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/18/26 10:12	03/18/26 19:58	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/18/26 10:12	03/18/26 19:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			03/18/26 10:12	03/18/26 19:58	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	240		51	mg/Kg			03/19/26 12:13	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 3

Lab Sample ID: 885-45406-9

Date Collected: 03/12/26 14:00

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/17/26 11:28	03/19/26 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/17/26 11:28	03/19/26 21:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/17/26 11:28	03/19/26 21:05	1
Ethylbenzene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 21:05	1
Toluene	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 21:05	1
Xylenes, Total	ND		0.047	mg/Kg		03/17/26 11:28	03/19/26 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			03/17/26 11:28	03/19/26 21:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		03/18/26 10:12	03/18/26 20:22	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/18/26 10:12	03/18/26 20:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			03/18/26 10:12	03/18/26 20:22	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	320		51	mg/Kg			03/19/26 12:14	1

Client Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 4

Lab Sample ID: 885-45406-10

Date Collected: 03/12/26 14:30

Matrix: Solid

Date Received: 03/17/26 07:55

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/17/26 11:28	03/19/26 21:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			03/17/26 11:28	03/19/26 21:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/17/26 11:28	03/19/26 21:27	1
Ethylbenzene	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 21:27	1
Toluene	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 21:27	1
Xylenes, Total	ND		0.049	mg/Kg		03/17/26 11:28	03/19/26 21:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 21:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/18/26 10:12	03/18/26 20:34	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/18/26 10:12	03/18/26 20:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			03/18/26 10:12	03/18/26 20:34	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	310		50	mg/Kg			03/19/26 12:14	1

QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-44981/1-A
 Matrix: Solid
 Analysis Batch: 45117

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			03/17/26 11:28	03/19/26 12:25	1

Lab Sample ID: LCS 885-44981/2-A
 Matrix: Solid
 Analysis Batch: 45117

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	24.7		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	222		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-44981/1-A
 Matrix: Solid
 Analysis Batch: 45118

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Ethylbenzene	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Toluene	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Xylenes, Total	ND		0.050	mg/Kg		03/17/26 11:28	03/19/26 12:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			03/17/26 11:28	03/19/26 12:25	1

Lab Sample ID: LCS 885-44981/3-A
 Matrix: Solid
 Analysis Batch: 45118

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.00		mg/Kg		100	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	2.00	2.03		mg/Kg		102	70 - 130
o-Xylene	1.00	1.00		mg/Kg		100	70 - 130
Toluene	1.00	1.00		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		15 - 150				

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QC Sample Results

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-45041/1-A
Matrix: Solid
Analysis Batch: 45024

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45041

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/18/26 10:12	03/18/26 14:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/18/26 10:12	03/18/26 14:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134	03/18/26 10:12	03/18/26 14:55	1

Lab Sample ID: LCS 885-45041/2-A
Matrix: Solid
Analysis Batch: 45024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	67.0		mg/Kg		134	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	112		62 - 134

Lab Sample ID: 885-45406-10 MS
Matrix: Solid
Analysis Batch: 45024

Client Sample ID: BH26-10 4
Prep Type: Total/NA
Prep Batch: 45041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.9	57.4		mg/Kg		122	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	91		62 - 134

Lab Sample ID: 885-45406-10 MSD
Matrix: Solid
Analysis Batch: 45024

Client Sample ID: BH26-10 4
Prep Type: Total/NA
Prep Batch: 45041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		49.5	56.3		mg/Kg		114	44 - 136	2	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		62 - 134

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 885-45108/2-A
Matrix: Solid
Analysis Batch: 45135

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg			03/19/26 12:08	1

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QC Sample Results

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 885-45108/1-A
 Matrix: Solid
 Analysis Batch: 45135

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	198	184		mg/Kg		93	90 - 110

Lab Sample ID: 885-45406-1 MS
 Matrix: Solid
 Analysis Batch: 45135

Client Sample ID: BH26-09 0
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		201	206		mg/Kg		103	85 - 115

Lab Sample ID: 885-45406-1 MSD
 Matrix: Solid
 Analysis Batch: 45135

Client Sample ID: BH26-09 0
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		197	206		mg/Kg		105	85 - 115	0	20

QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

GC VOA

Prep Batch: 44981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Total/NA	Solid	5030C	
885-45406-2	BH26-09 1	Total/NA	Solid	5030C	
885-45406-3	BH26-09 2	Total/NA	Solid	5030C	
885-45406-4	BH26-09 3	Total/NA	Solid	5030C	
885-45406-5	BH26-09 4	Total/NA	Solid	5030C	
885-45406-6	BH26-10 0	Total/NA	Solid	5030C	
885-45406-7	BH26-10 1	Total/NA	Solid	5030C	
885-45406-8	BH26-10 2	Total/NA	Solid	5030C	
885-45406-9	BH26-10 3	Total/NA	Solid	5030C	
885-45406-10	BH26-10 4	Total/NA	Solid	5030C	
MB 885-44981/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44981/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44981/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 45117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Total/NA	Solid	8015M/D	44981
885-45406-2	BH26-09 1	Total/NA	Solid	8015M/D	44981
885-45406-3	BH26-09 2	Total/NA	Solid	8015M/D	44981
885-45406-4	BH26-09 3	Total/NA	Solid	8015M/D	44981
885-45406-5	BH26-09 4	Total/NA	Solid	8015M/D	44981
885-45406-6	BH26-10 0	Total/NA	Solid	8015M/D	44981
885-45406-7	BH26-10 1	Total/NA	Solid	8015M/D	44981
885-45406-8	BH26-10 2	Total/NA	Solid	8015M/D	44981
885-45406-9	BH26-10 3	Total/NA	Solid	8015M/D	44981
885-45406-10	BH26-10 4	Total/NA	Solid	8015M/D	44981
MB 885-44981/1-A	Method Blank	Total/NA	Solid	8015M/D	44981
LCS 885-44981/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44981

Analysis Batch: 45118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Total/NA	Solid	8021B	44981
885-45406-2	BH26-09 1	Total/NA	Solid	8021B	44981
885-45406-3	BH26-09 2	Total/NA	Solid	8021B	44981
885-45406-4	BH26-09 3	Total/NA	Solid	8021B	44981
885-45406-5	BH26-09 4	Total/NA	Solid	8021B	44981
885-45406-6	BH26-10 0	Total/NA	Solid	8021B	44981
885-45406-7	BH26-10 1	Total/NA	Solid	8021B	44981
885-45406-8	BH26-10 2	Total/NA	Solid	8021B	44981
885-45406-9	BH26-10 3	Total/NA	Solid	8021B	44981
885-45406-10	BH26-10 4	Total/NA	Solid	8021B	44981
MB 885-44981/1-A	Method Blank	Total/NA	Solid	8021B	44981
LCS 885-44981/3-A	Lab Control Sample	Total/NA	Solid	8021B	44981

GC Semi VOA

Analysis Batch: 45024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Total/NA	Solid	8015M/D	45041
885-45406-2	BH26-09 1	Total/NA	Solid	8015M/D	45041
885-45406-3	BH26-09 2	Total/NA	Solid	8015M/D	45041

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QC Association Summary

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

GC Semi VOA (Continued)

Analysis Batch: 45024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-4	BH26-09 3	Total/NA	Solid	8015M/D	45041
885-45406-5	BH26-09 4	Total/NA	Solid	8015M/D	45041
885-45406-6	BH26-10 0	Total/NA	Solid	8015M/D	45041
885-45406-7	BH26-10 1	Total/NA	Solid	8015M/D	45041
885-45406-8	BH26-10 2	Total/NA	Solid	8015M/D	45041
885-45406-9	BH26-10 3	Total/NA	Solid	8015M/D	45041
885-45406-10	BH26-10 4	Total/NA	Solid	8015M/D	45041
MB 885-45041/1-A	Method Blank	Total/NA	Solid	8015M/D	45041
LCS 885-45041/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	45041
885-45406-10 MS	BH26-10 4	Total/NA	Solid	8015M/D	45041
885-45406-10 MSD	BH26-10 4	Total/NA	Solid	8015M/D	45041

Prep Batch: 45041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Total/NA	Solid	SHAKE	
885-45406-2	BH26-09 1	Total/NA	Solid	SHAKE	
885-45406-3	BH26-09 2	Total/NA	Solid	SHAKE	
885-45406-4	BH26-09 3	Total/NA	Solid	SHAKE	
885-45406-5	BH26-09 4	Total/NA	Solid	SHAKE	
885-45406-6	BH26-10 0	Total/NA	Solid	SHAKE	
885-45406-7	BH26-10 1	Total/NA	Solid	SHAKE	
885-45406-8	BH26-10 2	Total/NA	Solid	SHAKE	
885-45406-9	BH26-10 3	Total/NA	Solid	SHAKE	
885-45406-10	BH26-10 4	Total/NA	Solid	SHAKE	
MB 885-45041/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-45041/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-45406-10 MS	BH26-10 4	Total/NA	Solid	SHAKE	
885-45406-10 MSD	BH26-10 4	Total/NA	Solid	SHAKE	

General Chemistry

Leach Batch: 45108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Soluble	Solid	DI Leach	
885-45406-2	BH26-09 1	Soluble	Solid	DI Leach	
885-45406-3	BH26-09 2	Soluble	Solid	DI Leach	
885-45406-4	BH26-09 3	Soluble	Solid	DI Leach	
885-45406-5	BH26-09 4	Soluble	Solid	DI Leach	
885-45406-6	BH26-10 0	Soluble	Solid	DI Leach	
885-45406-7	BH26-10 1	Soluble	Solid	DI Leach	
885-45406-8	BH26-10 2	Soluble	Solid	DI Leach	
885-45406-9	BH26-10 3	Soluble	Solid	DI Leach	
885-45406-10	BH26-10 4	Soluble	Solid	DI Leach	
MB 885-45108/2-A	Method Blank	Soluble	Solid	DI Leach	
LCS 885-45108/1-A	Lab Control Sample	Soluble	Solid	DI Leach	
885-45406-1 MS	BH26-09 0	Soluble	Solid	DI Leach	
885-45406-1 MSD	BH26-09 0	Soluble	Solid	DI Leach	

Analysis Batch: 45135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-1	BH26-09 0	Soluble	Solid	SM 4500 CI- E	45108

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QC Association Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

General Chemistry (Continued)

Analysis Batch: 45135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45406-2	BH26-09 1	Soluble	Solid	SM 4500 CI- E	45108
885-45406-3	BH26-09 2	Soluble	Solid	SM 4500 CI- E	45108
885-45406-4	BH26-09 3	Soluble	Solid	SM 4500 CI- E	45108
885-45406-5	BH26-09 4	Soluble	Solid	SM 4500 CI- E	45108
885-45406-6	BH26-10 0	Soluble	Solid	SM 4500 CI- E	45108
885-45406-7	BH26-10 1	Soluble	Solid	SM 4500 CI- E	45108
885-45406-8	BH26-10 2	Soluble	Solid	SM 4500 CI- E	45108
885-45406-9	BH26-10 3	Soluble	Solid	SM 4500 CI- E	45108
885-45406-10	BH26-10 4	Soluble	Solid	SM 4500 CI- E	45108
MB 885-45108/2-A	Method Blank	Soluble	Solid	SM 4500 CI- E	45108
LCS 885-45108/1-A	Lab Control Sample	Soluble	Solid	SM 4500 CI- E	45108
885-45406-1 MS	BH26-09 0	Soluble	Solid	SM 4500 CI- E	45108
885-45406-1 MSD	BH26-09 0	Soluble	Solid	SM 4500 CI- E	45108



Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 0

Lab Sample ID: 885-45406-1

Date Collected: 03/12/26 10:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 18:12
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 18:12
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 18:36
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 CI- E		1	45135	MS	EET ALB	03/19/26 12:08

Client Sample ID: BH26-09 1

Lab Sample ID: 885-45406-2

Date Collected: 03/12/26 10:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 18:33
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 18:33
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 18:48
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 CI- E		1	45135	MS	EET ALB	03/19/26 12:10

Client Sample ID: BH26-09 2

Lab Sample ID: 885-45406-3

Date Collected: 03/12/26 11:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 18:55
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 18:55
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 19:00
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 CI- E		1	45135	MS	EET ALB	03/19/26 12:10

Client Sample ID: BH26-09 3

Lab Sample ID: 885-45406-4

Date Collected: 03/12/26 11:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 19:17

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-09 3

Lab Sample ID: 885-45406-4

Date Collected: 03/12/26 11:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 19:17
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 19:12
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 Cl- E		1	45135	MS	EET ALB	03/19/26 12:11

Client Sample ID: BH26-09 4

Lab Sample ID: 885-45406-5

Date Collected: 03/12/26 12:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 19:39
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 19:39
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 19:23
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 Cl- E		1	45135	MS	EET ALB	03/19/26 12:11

Client Sample ID: BH26-10 0

Lab Sample ID: 885-45406-6

Date Collected: 03/12/26 12:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 20:00
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 20:00
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 19:35
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 Cl- E		1	45135	MS	EET ALB	03/19/26 12:12

Client Sample ID: BH26-10 1

Lab Sample ID: 885-45406-7

Date Collected: 03/12/26 13:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 20:22
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 20:22

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 1

Lab Sample ID: 885-45406-7

Date Collected: 03/12/26 13:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 19:47
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 CI- E		1	45135	MS	EET ALB	03/19/26 12:12

Client Sample ID: BH26-10 2

Lab Sample ID: 885-45406-8

Date Collected: 03/12/26 13:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 20:44
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 20:44
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 19:58
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 CI- E		1	45135	MS	EET ALB	03/19/26 12:13

Client Sample ID: BH26-10 3

Lab Sample ID: 885-45406-9

Date Collected: 03/12/26 14:00

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 21:05
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 21:05
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 20:22
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 CI- E		1	45135	MS	EET ALB	03/19/26 12:14

Client Sample ID: BH26-10 4

Lab Sample ID: 885-45406-10

Date Collected: 03/12/26 14:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8015M/D		1	45117	VP	EET ALB	03/19/26 21:27
Total/NA	Prep	5030C			44981	VP	EET ALB	03/17/26 11:28
Total/NA	Analysis	8021B		1	45118	VP	EET ALB	03/19/26 21:27
Total/NA	Prep	SHAKE			45041	DR	EET ALB	03/18/26 10:12
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 20:34

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Client Sample ID: BH26-10 4

Lab Sample ID: 885-45406-10

Date Collected: 03/12/26 14:30

Matrix: Solid

Date Received: 03/17/26 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			45108	MS	EET ALB	03/19/26 08:25
Soluble	Analysis	SM 4500 Cl- E		1	45135	MS	EET ALB	03/19/26 12:14

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Vertex
 Project/Site: Todd 36 M State 13

Job ID: 885-45406-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
SM 4500 Cl- E		Solid	Chloride

Oregon	NELAP	NM100001	02-25-27
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 Cl- E		Solid	Chloride

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: **Vertex Resource**

(direct bill to Devon, Jim Raley 1006093001)

Mailing Address:
3601 Boyd Dr, Carlsbad nm, 88220

Phone #: 575-725-5001

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard **5-Day Standard** *ewm*

Project Name:
Todd 36 M State 13

Project #:
25A-02301



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87111
Tel. 505-345-3975 Fax 505-345-4107



885-45406 COC

Analysis Request

Project Manager:
Kent Stallings, Sally Carttar
kstallings@vertex.ca, Scarttar@vertex.ca

Sampler: Katrina Taylor

On Ice: Yes No

of Coolers: *1*

Cooler Temp (including CF): *3.5TD-2=3.7C*

BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)											
X	X					X														
X	X					X														
X	X					X														
X	X					X														
X	X					X														
X	X					X														
X	X					X														
X	X					X														
X	X					X														

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
03.13.26	10:00	Soil	BH26-09 0	1, 4oz jar	ICE	
03.13.26	10:30	Soil	BH26-09 1	1, 4oz jar	ICE	
03.13.26	11:00	Soil	BH26-09 2	1, 4oz jar	ICE	
03.13.26	11:30	Soil	BH26-09 3	1, 4oz jar	ICE	
03.13.26	12:00	Soil	BH26-09 4	1, 4oz jar	ICE	
03.13.26	12:30	Soil	BH26-10 0	1, 4oz jar	ICE	
03.13.26	13:00	Soil	BH26-10 1	1, 4oz jar	ICE	
03.13.26	13:30	Soil	BH26-10 2	1, 4oz jar	ICE	
03.13.26	14:00	Soil	BH26-10 3	1, 4oz jar	ICE	
03.13.26	14:30	Soil	BH26-10 4	1, 4oz jar	ICE	

Date: *3/16/26* Time: *1000* Relinquished by: *[Signature]*

Date: *3/16/26* Time: *1900* Relinquished by: *[Signature]*

Received by: *[Signature]* Via: _____ Date: *3/16/26* Time: *1000*

Received by: *[Signature]* Via: *Courier* Date: *3-17-26* Time: *755*

Remarks: ATTN Jim Raley
Direct bill to Devon work order 1006093001 Jim Raley
cc. permian@vertexresource.com, kstallings@vertexresource.com,
LPullman@vertexresource.com,
Katrina.Taylor@vertexresource.com for Final Report

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-45406-1

Login Number: 45406

List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 575310

QUESTIONS

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nJMW1315051978
Incident Name	NJMW1315051978 TODD 36 M STATE #013 @ 30-015-28815
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-28815] TODD 36 M STATE #013

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Todd 36 M State #013
Date Release Discovered	05/24/2013
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Human Error Flow Line - Production Crude Oil Released: 6 BBL Recovered: 0 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Flow Line - Production Produced Water Released: 4 BBL Recovered: 0 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 575310

QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: Roni Kidd Title: Business Manager Email: rkidd@buckhornproduction.com Date: 04/14/2026
--	---

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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 3

Action 575310

QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 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

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.

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)	11000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	350
GRO+DRO (EPA SW-846 Method 8015M)	260
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	05/15/2026
On what date will (or did) the final sampling or liner inspection occur	05/15/2026
On what date will (or was) the remediation complete(d)	06/01/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	16930
What is the estimated volume (in cubic yards) that will be remediated	0

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.

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.

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QUESTIONS, Page 4

Action 575310

QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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 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: Roni Kidd Title: Business Manager Email: rkidd@buckhornproduction.com Date: 04/14/2026
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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.

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 5

Action 575310

QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 575310

QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 575310

CONDITIONS

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 575310
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation plan is conditionally approved to include the following COAs. 1. Although the remediation closure standards and delineation have been met, the reclamation has not. It is stated on page 9 of the report PDF 4.0 Remediation Work Plan that "No excavation is planned to occur," therefore, confirmation sampling collection every 400 square feet cannot be approved at this time. When reclamation occurs for the incident, an alternative sampling plan may be considered. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. The incident will remain open until reclamation and revegetation has been completed. 2. A 90-day extension to complete remediation activities that are not planned to occur is denied.	4/22/2026