

Incident Numbers: nJMW1231248032, nJMW1317034502, nAB1516753239

Amended Release Assessment and Closure

Todd 24 B Federal #002

Section 24, Township 23 South, Range 31 East

API: 30-015-27691

County: Eddy

Vertex File Number: 25A-01218

Prepared for:

Devon Energy Production Company, LP

Prepared by:

Vertex Resource Services Inc.

Date:

October 2025

Release Assessment and Closure October 2025

Release Assessment and Closure
Todd 24 B Federal #002
Section 24, Township 23 South, Range 31 East
API: 30-015-27691

County: Eddy

Prepared for:

Devon Energy Production Company, LP 5321 Buena Vista Drive Carlsbad, New Mexico 88220

New Mexico Oil Conservation Division

508 West Texas Avenue Artesia, New Mexico 88210

Prepared by:

Vertex Resource Services Inc.

3101 Boyd Drive

Carlsbad, New Mexico 88220

Katrina Taylor October 29, 2025

Katrina Taylor, B.Sc. ${\cal U}$

ENVIRONMENTAL TECHNICIAN, REPORTING

October 29, 2025

Sally Cafftar, BA

PROJECT MANAGER, REPORT REVIEW

Sally Carttar

Date

Date

Release Assessment and Closure October 2025

Table of Contents

0.0	Amendment to Closure Report	1
	·	
1.0	Introduction	1
	Incident Description	
2.1	nJMW1231248032nJMW1317034502	1
2.2	nAB1516753239	1
	Site Characteristics	
4.0	Closure Criteria Determination	2
5.0	Remedial Actions Taken	4
	Conditional Acceptance Compliance	
	Remediation Closure Denial	
6.0	Closure Request	E
	•	
7.0 I	References	7
2 N I	Limitations	S

Release Assessment and Closure October 2025

In-text Tables

- Table 1. Closure Criteria Determination
- Table 2. Closure Criteria for Soils Impacted by a Release

List of Figures

- Figure 1. Characterization Sampling Site Schematic
- Figure 2. Confirmation Sampling Site Schematic

List of Tables

- Table 3. Characterization Laboratory Results Depth to Groundwater 51-100 feet bgs
- Table 4. Confirmatory Sample Laboratory Results Depth to Groundwater 51-100 feet bgs

List of Appendices

Appendix A. NMOCD C-141 Reports

Appendix B. Closure Criteria Research Documentation

Appendix C. Daily Field Reports

Appendix D. Laboratory Data Reports and Chain of Custody Forms

Release Assessment and Closure October 2025

0.0 Amendment to Closure Report

The following report has been updated and includes a summary of efforts and justification to amend closure denial concerns notated by New Mexico Oil Conservation Division on September 23, 2025.

1.0 Introduction

Devon Energy Production Company, LP (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct Release Assessment and Closures for three produced water releases that occurred at Todd 24 B Federal #002 API 30-015-27691 (hereafter referred to as the "site"). Devon submitted initial C-141 Release Notifications (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2. Incident ID numbers nJMW1231248032, nJMW1317034502, and nAB1516753239 and respective administrative work orders 2RP-1391, 2RP-1686, and 2RP-3051 were assigned to this incident.

This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of the releases, with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed as per NMAC 19.15.29.13.

2.0 Incident Description

2.1 nJMW1231248032

The release occurred May 23, 2012, due to transfer pump malfunctions that resulted in tank overflow. The incident was reported on November 1, 2012, and involved the release of approximately 70 barrels (bbl) of produced water into the unlined earthen containment. Approximately 70 bbl of free fluid was removed during initial clean-up.

2.2 nJMW1317034502

The release occurred June 12, 2013, due to a plugged transfer pump discharge line that resulted in tank overflow. The incident was reported on June 17, 2013, and involved the release of approximately 35 bbl of produced water into the unlined earthen containment. Approximately 30 bbl of free fluid was removed during initial clean-up.

2.3 nAB1516753239

The release occurred February 23, 2015, due to transfer pump not operating properly that resulted in tank overflow. The incident was reported on June 15, 2015, and involved the release of approximately 80 barrels (bbl) of produced water into the unlined earthen containment. Approximately 75 bbl of free fluid was removed during initial clean-up.

All three releases occurred inside the earthen tank battery containment. Additional details relevant to the releases are presented in the C 141 Reports (Appendix A).

Release Assessment and Closure October 2025

3.0 Site Characteristics

The site is located approximately 31 miles west-northwest of Loving, New Mexico. The legal location for the site is Section 24, Township 23 South and Range 31 East in Eddy County, New Mexico. The release area is located on Bureau of Land Management (BLM) property. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area inside the containment in proximity to the tank battery (Figure 1).

The Geological Map of New Mexico indicates the site's surface geology primarily comprises Qep - Eolian and piedmont deposits (New Mexico Bureau of Geology and Mineral Resources, 2025). The karst geology potential for the site is low. The surrounding landscape is associated with plains and fan piedmonts with elevations ranging between 2,000 and 5,700 feet. The climate is semiarid with average annual precipitation ranging between 6 and 14 inches. Predominant soil textures around the site are well-drained loamy fine sands and sandy clay loams with low runoff potential (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses interspersed with shrubs and half-shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted facility pad.

4.0 Closure Criteria Determination

The depth to groundwater was determined by drilling a borehole permitted by the New Mexico Office of the State Engineer (NMOSE) within a 0.5-mile radius of the site. The borehole was advanced to a depth of 55 feet. The borehole was left to recover per the requirements on the WR-07 Application for Permit to Drill a Well with No Water Rights, and an interface probe was utilized to determine whether groundwater was present at the conclusion of the 72-hour recovery period. No water was found to be present at that time. The borehole was plugged and abandoned according to the WR-08 permit, Well Plugging Plan of Operations, filed with NMOSE. Documentation related to the exploratory borehole is included in Appendix B.

The nearest active water well to the site is designated for prospecting or development of natural resources and is located 1.59 miles to the southwest (New Mexico Office of the State Engineer, 2025). There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 2.89 miles northwest of the site (United States Fish and Wildlife Service, 2025). At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC

Table 1. Cl	osure Criteria Determination		
	: Todd 24 B Federal #002		
Release Co	oordinates: 32.2952957,-103.7293777	X: 619635	Y: 3573877
Site Specif	ic Conditions	Value	Unit
	Depth to Groundwater (nearest reference)	>55	feet
1	Distance between release and nearest DTGW reference	50	feet
-		0.01	miles
	Date of nearest DTGW reference measurement	March	9, 2023
2	Within 300 feet of any continuously flowing watercourse	15,259	feet
	or any other significant watercourse	13,239	ieet
3	Within 200 feet of any lakebed, sinkhole or playa lake	10,190	feet
	(measured from the ordinary high-water mark)	10,190	leet
4	Within 300 feet from an occupied residence, school,	28,100	feet
	hospital, institution or church	20,100	1000
	i) Within 500 feet of a spring or a private, domestic fresh		
5	water well used by less than five households for	11,289	feet
	domestic or stock watering purposes, or		
	ii) Within 1000 feet of any fresh water well or spring	8,424	feet
	Within incorporated municipal boundaries or within a		
	defined municipal fresh water field covered under a		
6	municipal ordinance adopted pursuant to Section 3-27-3	No	(Y/N)
	NMSA 1978 as amended, unless the municipality		
	specifically approves		
7	Within 300 feet of a wetland	20,222	feet
	Within the area overlying a subsurface mine	No	(Y/N)
8	Distance between release and nearest registered mine	51,800	feet
			Critical
	Mithin on unstable even (Moust Man)	Law	High
9	Within an unstable area (Karst Map)	Low	Medium
			Low
	Distance between release and nearest High Karst	32,064	feet
	Within a 100-year Floodplain	>500	year
10	Distance between release and nearest FEMA Zone A (100 year Floodplain)	38,970	feet
11	Soil Type	Fine sand, sa	ndy clay loam
12	Ecological Classification	Loamy	y Sand
13	Geology	Eolian and pied	dmont deposits
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	<50' 51-100' >100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Table 2. 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
	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
51 feet - 100 feet	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

5.0 Remedial Actions Taken

Characterization of the historical release area inside and in proximity to the tank battery containment was conducted by Vertex between May 16, 2022, and February 17, 2023, including vertical and horizontal delineation. The total impacted area was determined to be 87 square feet. The Daily Field Reports (DFRs) associated with the site visits are included in Appendix C. Characterization sample locations and approximate release areas are presented on Figure 1. Characterization laboratory results are summarized in Table 3.

Remediation efforts began and were finalized on August 12, 2025. Vertex personnel supervised the excavation of impacted soils. Field screening results were used to identify areas requiring further remediation. Field screening consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and silver nitrate titration (chloride). Soils were removed to depths of 1 to 3 feet below ground surface (bgs). Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Daily Field Reports documenting final remediation and completed backfill are presented in Appendix C.

Notifications that confirmatory samples were being collected were provided to the NMOCD for August 12 and October 2, 2025. Confirmatory composite samples were collected from the base and walls of the excavation in increments no greater than 200 square feet. Three excavation areas were established to address all contamination found above strictest criteria. The areas of the excavation bases and walls totaled approximately 120 square feet on pad and 69 square feet in pasture. A total of three base samples and three wall samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Eurofins Environment Testing in Albuquerque, New Mexico, under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix D.

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

BTEX – benzene, toluene, ethylbenzene and xylenes

Release Assessment and Closure October 2025

Upon completion of remedial actions, approximately 189 square feet and 20 cubic yards of the impacted area was remediated to applicable closure criteria. All confirmation samples collected from the remediation area were below strictest closure criteria.

5.1 Conditional Acceptance Compliance

On May 8, 2025, Devon submitted a Remediation Work Plan to NMOCD. On May 21, 2025, the Remediation Work Plan was approved with conditions:

(1) "Referring to Google Earth historical imagery, between 3/2012 and 2/2014, something occurred to cause vegetation to die to the north of the tank battery. Collect delineation samples at the following locations: 32.295831, -103.730106 and 32.295709, -103.730192. For each, samples must be discrete and collected at surface, 1', 2', 3' and 4'. These samples must be submitted to a laboratory for testing for all Table I constituents. Should exceedances be found these will be required to be remediated pursuant to 19.15.29.12 NMAC."

Additional boreholes BH25-13 and BH25-14 were advanced to 4 feet bgs at the specified coordinates in the pasture northwest of the site. Laboratory analysis showed both boreholes to have no contamination.

(2) "As these releases go back 13 years, two boreholes are required to be drilled within the tank battery and discrete samples collected at surface, 1', 2', etc. down to 10' depth. These samples must be submitted to a laboratory for testing for all Table I constituents. One of the boreholes must be drilled at 32.295651, 103.729932 as it appears this portion of the tank battery had staining in Google Earth imagery and this corner appears to have the lowest elevation. The second borehole should be drilled somewhere in the middle to southern portion of the tank battery. Should exceedances be found, remediation is required to the maximum extent practicable."

Additional borehole BH25-15 was advanced to 8 feet bgs with a hand auger inside the containment at the northwest end of the battery at the specified coordinates. Refusal with a hand auger was hit at 8 ft. Due the coordinates being less than 10 ft from the tank battery and concerns about destabilization, it was deemed to be unsafe to operate with machinery to a depth of 10 ft. All nine depth samples (0 to 8 ft) were found to be below closure criteria. Results at depths of 1 through 8 feet bgs were below laboratory detection limits. Vertex on behalf of Devon kindly asks that this be considered in compliance with the request for deeper delineation inside the northern area of the tank battery.

Additional borehole BH25-16 was advanced to 10 feet bgs along the inside edge of the containment at the south-middle portion of the tank battery. The placement of BH25-16 followed the guidelines and allowed equipment access to collect samples at the required depths. Samples were collected in 1 foot intervals from surface to the requested depth. Characterization sample locations and laboratory results are presented on Figure 1 and in Table 3, respectively. Delineation in this area revealed contamination above closure criteria to 1 ft bgs. and below strictest to 3 ft bgs. The area was remediated to strictest criteria.

Release Assessment and Closure October 2025

5.2 Remediation Closure Denial

On September 23, 2025, Devon submitted a Closure Report to NMOCD. The Closure report was denied for the following reasons:

- 1) The 5/21/25 approved remediation plan was not followed which proposed the area of BH22-01 was going to be excavated to 3' depth as TPH was found above the reclamation limits at 2' depth. As shown in the photos on pg. 69 this area is off pad and must meet the reclamation limits per 19.15.29.13 NMAC.
- 2) Per 19.15.29.12.E NMAC, Photographs of the excavations prior to backfill are missing from remediation summary for the excavation that took place at BH25-16 which exceeded Closure Criteria with a TPH concentration of 11,000 mg/kg. Include these photos in resubmission. Submit updated remediation closure report to the OCD by 11/24/25.

The area of BH22-01 was excavated to 3 feet bgs meeting the reclamation limits per 19.15.29.13 NMAC and confirmatory composite samples were collected from the base and wall of the excavation on October 6, 2025. The area was previously excavated to 1 foot and then samples were mistakenly labeled as 2 feet bgs as indicated on Table 4. The samples collected from advanced excavation to 3 feet are presented in Table 4 and Lab Report: 885-35134-1 (Appendix D). Corrective actions are documented and presented in Appendix C.

Photos of the additional excavations to the south of the containment, around BH22-03, and the middle of the containment which includes BH25-16, in addition to the vertical delineation of BH25-16 to 10 feet bgs, can be found in Daily Field Report for August 12, 2025 (Appendix C).

6.0 Closure Request

Vertex recommends no additional remediation action to address the release at Todd 24 B Federal #002. Laboratory analyses of the final confirmatory samples showed constituent of concern concentration levels below NMOCD remediation closure criteria for areas where depth to groundwater is between 51 and 100 feet bgs as shown in Table 2. There are no anticipated risks to human, ecological or hydrological receptors associated with the release sites. The excavation was backfilled with non-waste-containing, uncontaminated, earthen material, sourced locally, and placed to meet the site's existing grade to prevent ponding of water and erosion.

Devon Energy Production Company, LP, requests that these incidents (nJMW1231248032, nJMW1317034502, and nAB1516753239) remediation closure be approved as all criteria set forth in Subsection E of 19.15.29.12 has been met. Devon certifies that all information in this report and the attachments is correct, and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the May 23, 2012, June 12, 2013, and February 23, 2015, releases at Todd 24 B Federal #002.

Should you have any questions or concerns, please do not hesitate to contact the Project Manager Sally Carttar at 575.361.3561 or SCarttar@vertexresource.com.

Release Assessment and Closure October 2025

7.0 References

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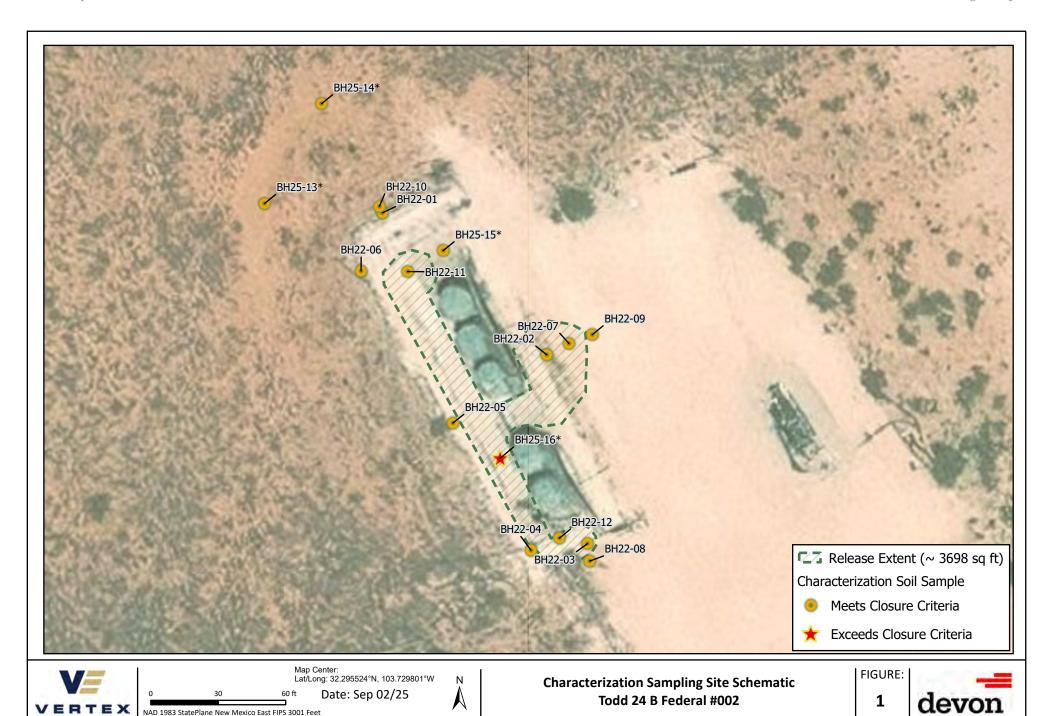
Release Assessment and Closure October 2025

8.0 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.

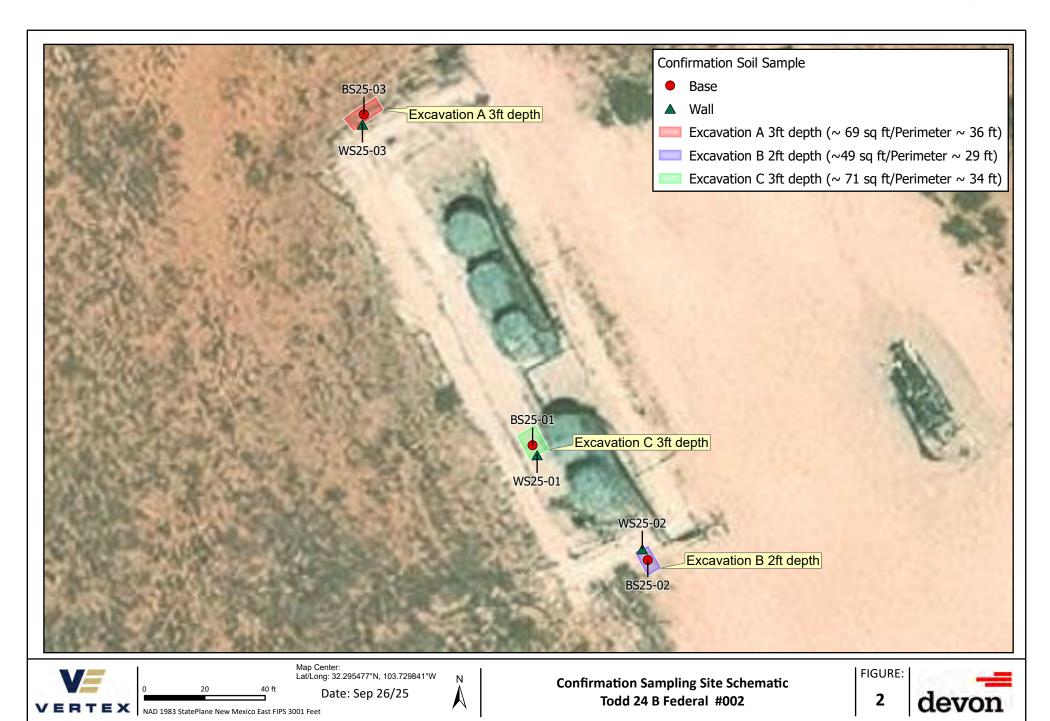
The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement 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



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.



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

TABLES

Client Name: Devon Energy Production Company, LP

Site Name: Todd 24 B Federal #002

NMOCD Tracking #: nJMW1231248032, nJMW1317034502, nAB1516753239

Project #: 25A-01218

Lab Reports: 2205800, 2205A95, 2302857, 885-28078-1, and 885-31126-1

	Та	ble 3. Characterization	Laboratory	Results - I	Depth to G	roundwate	er 51-100 f	eet bgs		
	Sample Des	cription			Petrole	eum Hydroc	arbons			
			Vol	atile			Extractable	1		Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene (mg/kg)	(8)/8/BTEX (Total)	ন্ত্ৰ Gasoline Range Organics স্ব (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics স্ব (MRO)	(mg/kg)	স্থ্র Total Petroleum স্থ্র Hydrocarbons (TPH)	공 지 Chloride Concentration 연
	0	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	60
BH22-01	2	May 16, 2022	ND	ND	ND	19	100	19	119	ND
	4	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
D.1122 02	0	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-02	2	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
	0	May 16, 2022	ND	ND	ND	17	290	17	307	ND
BH22-03	2	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	4	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH22-04	0	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
ВП22-04	2	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-05	0	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
Brizz 05	2	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-06	0	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
51122 00	2	May 16, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-07	0	May 20, 2022	ND	ND	ND	ND	ND	ND	ND	ND
	2	May 20, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-08	0	May 20, 2022	ND	ND	ND	ND	ND	ND	ND	ND
	2	May 20, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-09	0	May 20, 2022	ND	ND	ND	ND	ND	ND	ND	ND
	2	May 20, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BH22-10	0	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH22-11	0	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH22-12	0	February 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	0	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
DU25 42*	1	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-13*	2	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	3	July 1, 2025	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	4	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	0 1	July 1, 2025 July 1, 2025	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
BH25-14*	2	July 1, 2025 July 1, 2025	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
51123-14	3	July 1, 2025 July 1, 2025	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	4	July 1, 2025 July 1, 2025	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	4	July 1, 2025	טא	טא	טוו	טוו	טוו	טאו	טאו	טוו



Client Name: Devon Energy Production Company, LP

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Lab Reports: 2205800, 2205A95, 2302857, 885-28078-1, and 885-31126-1

	Та	ble 3. Characterization	Laboratory	Results - I	Depth to G	roundwate	er 51-100 f	eet bgs		
	Sample Des	cription			Petrol	eum Hydroc	arbons			
			Vol	atile			Extractable	!		Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	0	July 1, 2025	ND	ND	ND	220	610	220	610	ND
	1	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	3	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-15*	4	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	5	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	6	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	7	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	8**	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	0	July 1, 2025	ND	ND	ND	6000	5000	6000	11000	3800
	1	July 1, 2025	ND	ND	ND	440	1400	440	1840	610
	2	July 1, 2025	ND	ND	ND	1000	2100	1000	3100	240
	3	July 1, 2025	ND	ND	ND	16	ND	16	16	440
	4	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	560
BH25-16*	5	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	590
	6	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	340
	7	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	170
	8	July 1, 2025	ND	ND	ND	ND	ND	ND	ND	730
	9	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	10	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	290

[&]quot;ND" Not Detected at the Reporting Limit

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

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



[&]quot;-" indicates not analyzed/assessed

[&]quot;*" Boreholes were taken in compliance with the OCD Condtional Acceptance

[&]quot;**" Maximium depth safley obtainable. See section 5.0 of report for more details.

Client Name: Devon Energy Production Company, LP

Site Name: Todd 24B Federal #002

NM OCD Tracking #: nJMW1231248032, nJMW1317034502, nAB1516753239

Project #: 25A-01218

Lab Report: 885-31126-1 and 885-35134-1

		Т	able 4. Con	firmatory S	Sample Lab	oratory Res	sults			
	Sample Des	scription			Petrol	eum Hydroc	arbons			
			Vola	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Depth to	o Groundwa	ter 51 - 100	feet bgs		
					Base Sa	amples				
BS25-01	3	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	170
BS25-02	1	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	110
BS25-03	2*	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	ND
B323-03	3	October 6, 2025	ND	ND	ND	ND	ND	ND	ND	ND
					Wall Sa	mples				
WS25-01	0-3	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	100
WS25-02	0-2	August 12, 2025	ND	ND	ND	ND	77	ND	77	95
WC2F 02	0-2*	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	ND
WS25-03	0-3	October 6, 2025	ND	ND	ND	ND	ND	ND	ND	ND
					Backfill S	Samples				
BS25-04	0	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	150
BS25-05	0	August 12, 2025	ND	ND	ND	ND	ND	ND	ND	160

[&]quot;*" indicates error in depth

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



[&]quot;ND" Not Detected at the Reporting Limit

[&]quot;-" indicates not analyzed/assessed

APPENDIX A - NMOCD C-141 Reports

Received by OCD: 11/3/2025 12:17:54 PM
District 1
1625 N. French Dr., Hobbs, NM 88240

District III
District III
District III

1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

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

Page 21 of 251 Form C-141 Revised October 10, 2003

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

	1		Rele	ease Notific	atio	n and Co	rrectiv	ve A	ction	l	-		
nJMW	12312	48032				OPERA	ΓOR				al Report	Fin	nal Report
Name of Co	mpany: [evon Energ	y Product	tion LP 613		Contact: Da							
Address: P.0						Telephone 1	No. (575)3	90-58	50				
	tesia, N.M					T. 111. T.		11 ((0.0	015.0	7.601			
Facility Nar	ne: Todd 2	24B # 2		-		Facility Typ	e: Oil We	H # 30	-015-2	27691			
Surface Ow	ner	-		Mineral C	wner					Lease N	lo. NM053	3177-A	·
				LOCA	TIO	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from	the	East/V	Vest Line	County		
В	24	23S	31E	660'	North		1980'		East		Eddy		
L	L		<u> </u>	N. A. CET		OFDEL	E A CIE						
T. CD I	6 111			NAT	URE	OF REL		70 1.1.1.	1	37-1 T	·	70	1
Type of Rele Source of Re		for numn malf	inction			Volume of Date and H			a.		Recovered: Hour of Dis		
Source of Re	icase. trans	iei pump man	unction			5/23/2012,		direne	J.		2, 8:00 AM	covery	
Was Immedia	ate Notice (_			If YES, To							
			Yes _	No Not Re	equired	Jim Amos,	BLM-Edd	y Coun	ity				
By Whom? I		<u>~</u>	Foreman			Date and I							
Was a Water	course Read		Yes 🗵	l No		If YES, Vo	olume Impa	ecting th	ne Wate	ercourse.			
											FOE	VED	
If a Watercou	irse was Im	pacted, Descr	ibe Fully. [*]	* N/A							ECE		1
			*							1	NOV 01	2012	1
										i			
										<u> </u>	OCD A	RTES	A
		em and Reme		n Taken.* perator discovered	d prodúc	red water snil	ling over th	ne tank	due to :				,
		pill with 70 b			a produc	ced water spin	inig over ti	ic talk	duc to a	a transier p	ump manun	ction that c	auseu a
		and Cleanup A		ten.* ery. The Lease Op	aerator (contacted a ve	ouum truol	k to ha	ıl tha nı	oduced we	ter and then	contacted	hic
				ation. The transfer							ter and then	comacieu	1115
					<u> </u>								
				is true and comp									
				nd/or file certain r ce of a C-141 repo									
				investigate and r									
				tance of a C-141	report d	loes not reliev	e the opera	itor of r	esponsi	bility for c	ompliance v	vith any oth	ner
federal, state,	or local lav	ws and/or regu	ilations.				OII (CONIC	TEDV	ATION	DIVICIO	NI .	
() ,	(,)				OIL C	JONS	<u> SEK v</u>	ATION	DIVISIO	<u>)N</u>	
Signature:	robe.	ceat	aga								f	1/ /	
Printed Name	v Dobacco	Dagó	0			Approved by	District Su	perviso	or:	Signed 1	By MI/	4 Den	restar
1 Timed Name	. Redecta	Kaga					04 0 7	ማ ል (ଶ		Dignea			
Title: Field	Tech					Approval Da	ña n v	2012	- 1	Expiration	Date:		
E-mail Addre	ess: rebecca	.raga@dvn.co	m			Conditions of	f Approval	•				_	
a / tudic						- on antions O	ppio vai.	•			Attached		
Date: 10/30/2		hone: (575) 74					-						
Attach Addit	tional Shee	ets If Necess	ary								2RF	2139	1

Remediation per OCD Rules & **Guidelines. SUBMIT REMEDIATION** PROPOSAL NOT LATER THAN:

Released to Imaging: 11/13/2025 2:42:45 PM

Page 22 of 251

Received by OCD: 11/3/2025 12:17:54 PM
District 1
1625 N. French Dr., Hobbs, NM 88240 District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. F. Francis Dr., Scata Fo. NM 8755

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Fran	icis Dr., Santa	Fe, NM 87505	5	Sa	anta F	e, NM 875	505					
- 1			Rele	ease Notific	catio	n and Co	orrective A	ction	1	•		
MW13170	34502	2 ENE	erci U	•		OPERA	ГOR			al Report	☐ Fina	al Repor
Name of Co	ompany D I	EVON ENE		6137		Contact DA	N SUNIGA		,			
Address PC						Telephone 1	No. 575-746-55 :	55				
ARTESIA			ATTED	V		Engility Tem	OH WELL					
Facility Nat	me TODD	24 FED 2 F	SALIER	. Y	İ	Facility Typ	e OIL WELL					
Surface Ow	ner			Mineral C	Owner		_		API No	. 30015276	591	
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter B	Section 24	Township 23S	Range 31E	Feet from the 660'		South Line	Feet from the 1980"		Vest Line East	County Eddy		
	' 		Latitude	e: <u>32.29529561</u>	45063	Longitu	de: <u>-103.72941</u>	01096	522			
				NAT	TURE	OF REL	EASE					
Type of Rele		ed Water					Release 35bbls			Recovered 30		
Source of Re	lease Spill					June 12, 2	four of Occurrence	e	Date and June 12,	Hour of Dis	covery	
Was Immedi	ate Notice G	iiven?				If YES, To			June 12,	2013		
		\boxtimes	Yes [No 🗌 Not Re	equired		tcher/OCD, Jenn	ifer Va	n Curen/B	LM		
By Whom? \	Wesley Ryai	n				Date and H	lour: June 13, 20	13 8:15	am/8:30am	1		
Was a Water	course Reac			_		If YES, Vo	olume Impacting t	the Wate				
			Yes 🗵] No					D	ECEI	VED	•
If a Watercou	urse was Imp	oacted, Descr	ibe Fully.'	*					1 11		- 210	1
N/A									1	JUN 17		
Describe Cau											RTESIA	
At the Todd resulting in:				ps discharge line	e plugge	ed off from a	slug of paraffin	causing	a produce	d water tan	ık to run ove	er
resulting in a	a spin of 33	obis of prod	uceu wan									
on the discharge was estimate 30bbls. The	erator arrivarge side of ed to be 35b operator the	ved to discov the pump. T bls of produ en notified tl	er the pro he pump ced water he Asst. F	cen.* oduced water tan was unable to tr within the conta oreman and mac pill was containe	ansfer (ainment de arrai	the produced around the tagements to b	water off location tanks. A vacuum nave the line clea	on and to truck vaned, re	he tank fil was dispate place the p	led up and the	ran over. The driver rec	he spill
regulations al public health should their o	Il operators a or the environations had nment. In ac-	are required to onment. The ave failed to a ddition, NMC	o report ar acceptance adequately OCD accep	is true and comp nd/or file certain ree of a C-141 repo investigate and retained of a C-141	elease nort by the emediat	otifications ar e NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a three the operator of	etive acti eport" d eat to gr responsi	ons for rele oes not reli ound water bility for co	eases which eve the oper , surface wa ompliance w	may endang rator of liabil iter, human h vith any othe	er lity nealth
	20	-					OIL CON	SERV	ATION	DIVISIO)N	
Signature:	Veronic	ea Teel								11		
Printed Name	: Veronica	Teel	-			Approved by	Environmental S	peci gl ist	ied By_	1/4 E	RATULE	<u></u>
Title: Field A						Approval Dat		2	Expiration [
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- man /Addic	rei omic	1 001(11/11/11/11/11/11/11/11/11/11/11/11/11	COM				n per OCD Ru	ع مار		Attached		
	une 14, 201			-748-9933	Gui	idelines. S U	JBMIT REMED	ne α IΔTI∩	u ——			
Attach Addit	tional Shee	ts If Necess	ary				NO LATER TH		•	2RF)-16	36

<u>District 1</u> 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

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

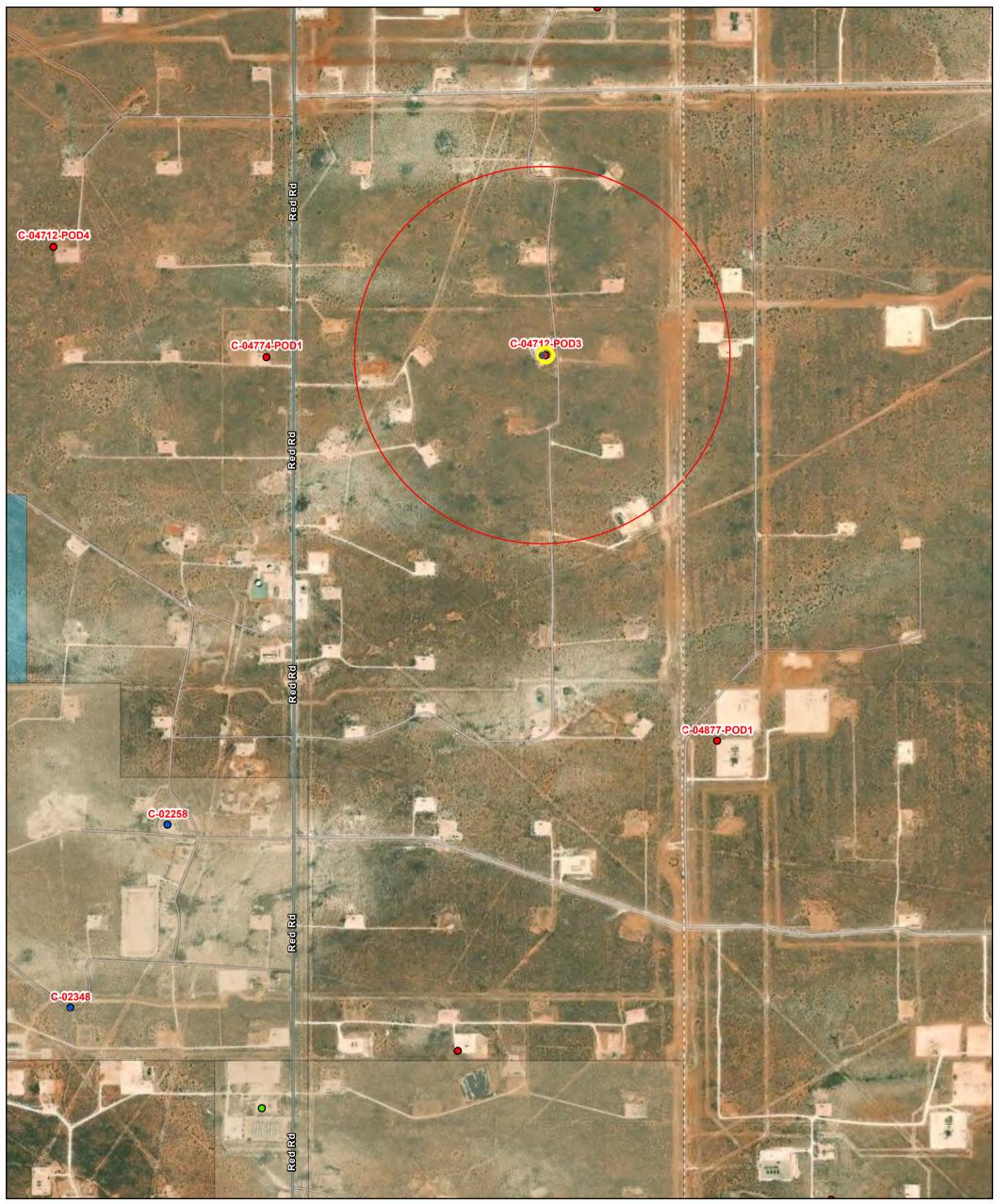
		\	T) I	BT 4000	4 •		4.	-4*				.
				ease Notific	catio	n and Co	orrective A	ction	1			
		53239				OPERA			🛛 Initia	al Report		Final Report
		evon Energy			7		andy Gladden					
		Rivers Hwy		NM 88220			No. 575.513.94	63				
Facility Na	me Todd	24-B Batter	y 2		l	Facility Ty	pe OIL					
Surface Ov	vner BLM	[Mineral	Owner	r BLM			API No	. 30-015-	2769	1
				LOCA		N OF RE	LEASE					
Unit Letter B	Section 24	Township 23S	Range 31E	Feet from the 660	Nort	h/South Line North	Feet from the 1980	1	West Line East	County EDDY		
				Latitude: 3	32.295	523 Longitude	e: -103.72888					
				NAT	TURE	OF REL	EASE					
Type of Rele	ease Spill	Produced W	ater			Volume of	f Release 80 BBL	4	Volume	Recovered	75 BI	BL
Source of Retank to over		iter transfer _l	pump wei	nt down causing	water	Date and 2.23.15 4:	Hour of Occurre 00 am	ence	2.23.15 1			-
Was Immed	iate Notice	Given?				If YES, T	o Whom?		N	IM OIL C	ON	SERVATION
	are riotice		Yes [No Not R	equired		tson BLM			ARTE	SIA	DISTRICT
By Whom?	Randy Gla	dden				Date and 2.23.15 @	Hour			JUN	1 (5 2015
Was a Wate	rcourse Re] Yes ⊠] No		If YES, V	olume Impacting	g the W	atercourse	RE	CEI	VED
If a Waterco	ourse was I	mpacted, Des	scribe Ful	ly.*								
Result of tra	ınsfer pum		ng proper				uced water spille	ed insid	e containm	nent. Lobo	truck	king recovered
Unlined Co	ntainment		de contai	nment. Environ						•		
regulations a public health should their or the enviro	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to	o report and acceptant adequately DCD acceptant	nd/or file certain ce of a C-141 rep investigate and	release ort by t remedia	notifications a he NMOCD nate contaminat	with the knowledge and use the correct that he will be the control of the correct that the correct the correct the correct the correct that th	ctive act Report" (reat to g	tions for rel does not rel round wate	leases which lieve the ope er, surface w	n may erator ater,	endanger of liability human health
Signature: J	eanette	Barron					OIL CON	SERV	ATION //	DIVISI	<u>QN</u>	
Printed Nam	e: Jeanette	Barron				Approved by	Environmental S	Specialis	st: //	U/2	_	
Title: Field A	Admin Sup	port				Approval Da	ite: UIID	15	Expiration	Date: N	HA	_
E-mail Addr	ess: Jeanet	te.barron@d	vn.com			Conditions of		_		Attache	d \Box]
Date: 2	.26.15		Phone: 57	75.748.1813			ion per O.C.D			elines		-
* Attach Addi		ets If Necess		21/10/10/10		SUBMIT	REMEDIATION	4,279	POSAL P	40	Λ.	00 2051

LATER THAN:_

APPENDIX B – Closure Criteria Research Documentation

te mann	e: Todd 24 B Federal #002		
elease C	oordinates: 32.2952957,-103.7293777	X: 619635	Y: 3573877
ite Spec	fic Conditions	Value	Unit
	Depth to Groundwater (nearest reference)	>55	feet
1	Distance between release and nearest DTGW reference	50	feet
1	Distance between release and nearest DTGW reference	0.01	miles
	Date of nearest DTGW reference measurement	March	9, 2023
2	Within 300 feet of any continuously flowing watercourse	15,259	feet
2	or any other significant watercourse	13,239	ieet
3	Within 200 feet of any lakebed, sinkhole or playa lake	10,190	feet
3	(measured from the ordinary high-water mark)	10,190	leet
4	Within 300 feet from an occupied residence, school,	20 100	foot
4	hospital, institution or church	28,100	feet
	i) Within 500 feet of a spring or a private, domestic fresh		
_	water well used by less than five households for	11,289	feet
5	domestic or stock watering purposes, or		
	ii) Within 1000 feet of any fresh water well or spring	8,424	feet
	Within incorporated municipal boundaries or within a		
	defined municipal fresh water field covered under a		
6	municipal ordinance adopted pursuant to Section 3-27-3	No	(Y/N)
	NMSA 1978 as amended, unless the municipality		
	specifically approves		
7	Within 300 feet of a wetland	20,222	feet
	Within the area overlying a subsurface mine	No	(Y/N)
8	Distance between values and account assistance during	F4 000	£+
	Distance between release and nearest registered mine	51,800	feet
			Critical
	Within an unstable area (Varst Man)	Low	High
9	Within an unstable area (Karst Map)	Low	Medium
			Low
	Distance between release and nearest High Karst	32,064	feet
	Within a 100-year Floodplain	>500	year
10	Distance between release and nearest FEMA Zone A (100-	20.070	foot
	year Floodplain)	38,970	feet
11	Soil Type	Fine sand sa	ndy clay loam
T.T.	, , , , , , , , , , , , , , , , , , ,	i iiie saiia, sa	
12	Ecological Classification	Loam	y Sand
13	Geology	Eolian and pie	dmont deposits
			<50'
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	51-100'
		1	>100'

OSE POD 0.5 miles



7/6/2025, 5:39:04 PM

Plugged

GIS WATERS PODs OSE District Boundary

Active New Mexico State Trust Lands

Pending Subsurface Estate

Both Estates

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

0.7 mi

1.1 km

1:18,056

0.17

0.28

0

0.35

0.55

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet) (In feet)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	Υ	Мар	Distance	Well Depth	Depth Water	Water Column
<u>C 04712 POD3</u>		CUB	ED	SE	NW	NE	24	235	31E	619650.7	3573877.9	٠	15	55		
C 04774 POD1		CUB	ED	SE	NE	NE	23	235	31E	618456.0	3573856.4	•	1179	105		
<u>C 04704 POD1</u>		CUB	ED	SW	NE	NE	13	235	31E	619854.4	3575363.5	ė	1502			
<u>C 04877 POD1</u>		CUB	LE	SE	NW	NW	30	23S	32E	620404.8	3572240.0	•	1808	105		
<u>C 04712 POD4</u>		CUB	ED	NW	SE	SW	14	235	31E	617535.4	3574316.2	ė	2145	55		
<u>C 02258</u>		С	ED		SW	NE	26	235	31E	618055.0	3571853.0 *	•	2567	662		
<u>C 04790 POD1</u>		CUB	ED	SE	SE	SW	25	23S	31E	619309.4	3570904.8	•	2989	55		
<u>C 04855 POD1</u>		CUB	ED	NE	SW	SW	11	235	31E	617417.6	3575936.7	•	3026	105		
<u>C 02777</u>		CUB	ED	SE	SE	SE	10	23S	31E	616973.8	3575662.1	•	3204	890		
C 03749 POD1		CUB	ED		NE	NE	15	235	31E	616973.8	3575662.1	•	3204	865	639	226
<u>C 02348</u>		С	ED	NW	SE	SW	26	23S	31E	617647.5	3571068.0		3441	700	430	270
C 03851 POD1		CUB	LE	SW	SW	SE	20	235	32E	622879.6	3572660.0	•	3465	1392	713	679
C 04815 POD1		CUB	LE	NW	SE	SW	08	23S	32E	622391.9	3576025.7	•	3495	55		
<u>C 04712 POD2</u>		CUB	LE	SE	SE	SE	17	235	32E	623331.9	3574331.5	•	3724	55		
<u>C 04712 POD1</u>		CUB	LE	NW	SE	NW	31	23S	32E	620917.2	3570289.2	•	3810	55		
<u>C 04942 POD1</u>		CUB	LE	NW	NE	NE	07	235	32E	621622.2	3577279.8	•	3940	55	55	0
C 03529 POD1		С	LE	NE	SE	SW	29	23S	32E	622651.2	3571212.5	•	4024	550		
<u>C 04709 POD1</u>		CUB	ED	SW	NW	NW	15	235	31E	615508.8	3575262.4	•	4352			
<u>C 04746 POD1</u>		CUB	ED	SW	SE	SW	36	23S	31E	619225.7	3569417.8	•	4477	105		
<u>C 04951 POD1</u>		CUB	LE	SW	NW	NE	06	235	32E	621111.1	3578594.6	•	4943	110		
<u>C 04726 POD1</u>		CUB	ED	NW	NW	SE	01	23S	31E	619538.3	3578821.3	•	4945			

Average Depth to Water: 459 fe

Minimum Depth: 55 feet

Maximum Depth: 713 feet

Point of Diversion Summary

		•	re 1=NW 2=NE . rs are smallest to					NAD83 UTM	in meters	
Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	x	Υ	Мар
NA	C 04712 POD3	SE	NW	NE	24	23S	31E	619650.7	3573877.9	•
UTM location	was derived from	PLSS - see H	elp							
Driller Licen	ise: 1833	Dri	ller Company	y: \	/ISION RI	ESOURC	CES, INC			
Driller Nam	e: JASON I	MALEY								
Drill Start D	Pate: 2023-03	-09 Dri	ll Finish Date	e: 2	2023-03-0	09		Plug Dat	e: 2	023-03-14
Log File Dat	te: 2023-04	-04 PC\	N Rcv Date:					Source:		
Pump Type:	:	Pip	e Discharge	Size:				Estimate	d Yield:	
Casing Size:	: 6.00	Dej	oth Well:		55			Depth W	ater:	

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.

7/6/25 5:02 PM MST Point of Diversion Summary

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Water Right Summary



WR File Number:	C 04712	Subbasin:	CUB	Cross Reference:
Primary Purpose:	MON MONITORING WELL			
Primary Status:	PMT Permit			
Total Acres:		Subfile:		Header:
Total Diversion:	0.000	Cause/Case:		
Owner:	VERTEX RESOURCES	Owner Class:	Owner	
Owner:	HARVARD PETROLEUM COMPANY LLC	Owner Class:	User	
Contact:	JUSTIN WARREN			

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
get images	<u>743189</u>	EXPL	2023-02-21	PMT	APR	C 04712 POD1-6	Т	0.000	0.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	x	Υ	Мар	Other Location Desc
<u>C 04712 POD1</u>	NA		NW	SE	NW	31	235	32E	620917.2	3570289.2	•	SDE
<u>C 04712 POD2</u>	NA		SE	SE	SE	17	235	32E	623331.9	3574331.5		TOMCAT17
<u>C 04712 POD3</u>	NA		SE	NW	NE	24	235	31E	619650.7	3573877.9		TODD24
<u>C 04712 POD4</u>	NA		NW	SE	SW	14	23S	31E	617535.4	3574316.2		TODD14
C 04712 POD5	NA		SE	SE	SW	09	235	31E	614392.9	3575754.4	•	NPG9
C 04712 POD6	NA		SW	SW	SE	08	235	31E	613146.6	3575740.1	•	NPG8

^{*} 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 $the\ accuracy,\ completeness,\ reliability,\ usability,\ or\ suitability\ for\ any\ particular\ purpose\ of\ the\ data.$

7/6/25 5:05 PM MST **Water Rights Summary**

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PAGE 1 OF 2

WELL TAG ID NO.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NC	OSE POD NO. (1		P003	WELL TAG ID NO.		OSE FILE NO(1712		
H	WELL OWNER		1003			PHONE (OPTI		111	_	
OC	441	0	oleum Como			10.100				
LL	Harvard WELL OWNER			as y		CITY		STATE	ZIP	
WEL	P.O.Box	930	9			Roswell	(NM 8	8202	
ND	WELL			GREES MINUTES SECO	NDS					
AL A	LOCATION	LAT	TTUDE 3	32 17 43.	N	100 May 100 May 1	REQUIRED: ONE TEN	TH OF A SECOND		
VER	(FROM GPS)	LON	NGITUDE /	03 43 45	2 W	* DATUM REC	QUIRED: WGS 84			
1. GENERAL AND WELL LOCATION	DESCRIPTION	RELATIN	G WELL LOCATION TO	STREET ADDRESS AND COMMON LANDM	IARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE		
	LICENSE NO.		NAME OF LICENSED	DRILLER			NAME OF WELL DR	ILLING COMPANY		
=//	1833		Jason Mal	e.V			Vision Res	owce s		
	DRILLING STA	RTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIRE	ST ENCOUNTERED (F	T)	
	3-9-20	23	3-9-2023	55	55		Dry			
N	COMPLETED V	VELL IS:	ARTESIAN *add Centralizer info bel	DRY HOLE SHALLOW (UNCO	ONFINED)		PLETED WELL	DATE STATI	IC MEASUREI	
ATIC	DRILLING FLU	ID:	AIR	MUD ADDITIVES – SPE	CIFY:		,			
RM	DRILLING MET	HOD:	ROTARY HAMIN	MER CABLE TOOL OTHER - SPE	CIFY:		CHECK INSTAL	HERE IF PITLESS AD	PAPTER IS	
2. DRILLING & CASING INFORMATION	DEPTH (fe	ret bgl)	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and	CON	ASING NECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches	
CAS				note sections of screen)		ling diameter)	10000		(menes,	
8		45	611	211 PUC 840	Threa	1	2"	Sch 40		
DRILLIN	45	55	6"	2" PUC SCLYO(SOREA)	Ihrea	d	211	Sh 40	. 02	
2.										
							OSE OFF APO	4 2023 mil (2)	3	
T,	DEPTH (fe	eet bgl)	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AN RANGE BY INTER *(if using Centralizers for Artesian wells-	VAL	AMOUNT (cubic feet)		METHOD OF PLACEMENT		
ATERL	TROM	10		an using Centralizers for Artesian wells-	muicate the	: зрасиц вею w)				
3. ANNULAR MATERIAL				None Pulled a	nd P	lugged				
FOR	OSE INTERN		5023	POD NO. 2		WR-2	0 WELL RECORD	& LOG (Version 09	/22/2022)	

LOCATION

ENCOUNTERED - WATER STIMATED YIELD FOR
OR FRACTURE ZONES BEARING? WATER- describe all units) (YES / NO) BEARING ZONES (gpm)
Y (N)
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
Y N
TOTAL ESTIMATED WELL YIELD (gpm):
G WELL TESTING, INCLUDING DISCHARGE METHOD, AND DRAWDOWN OVER THE TESTING PERIOD.
OSE DIT APR 4 2023 PM1:23
VISION OF WELL CONSTRUCTION OTHER THAN LICENSE.
NOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AN TILL FILE THIS WELL RECORD WITH THE STATE ENGINEE ILLING:
7 3/24/23 DATE
(

3

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

POD NO.

LOCATION Neon 23.31.24.412

FILE NO. C-4712-POD3

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 743189 File Nbr: C 04712

Well File Nbr: C 04712 POD3

Apr. 04, 2023

VERTEX RESOURCES P.O. BOX 936 ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Thompson (575)622-6521

drywell



Todd 24B Fed2 Riverine 2.89 Miles



March 9, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

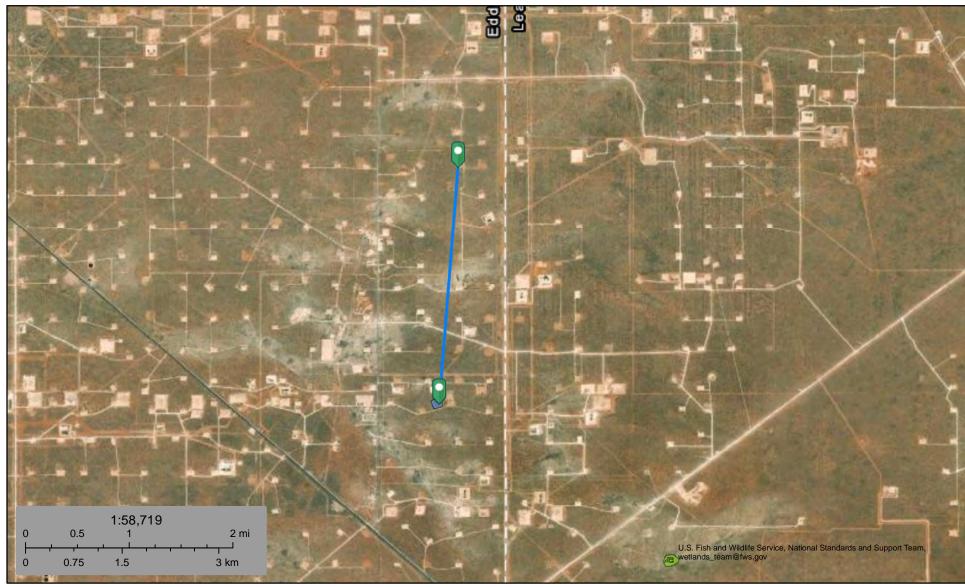
Riverine

Other

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Todd 24B Fed2 Pond 1.93 Miles



March 9, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

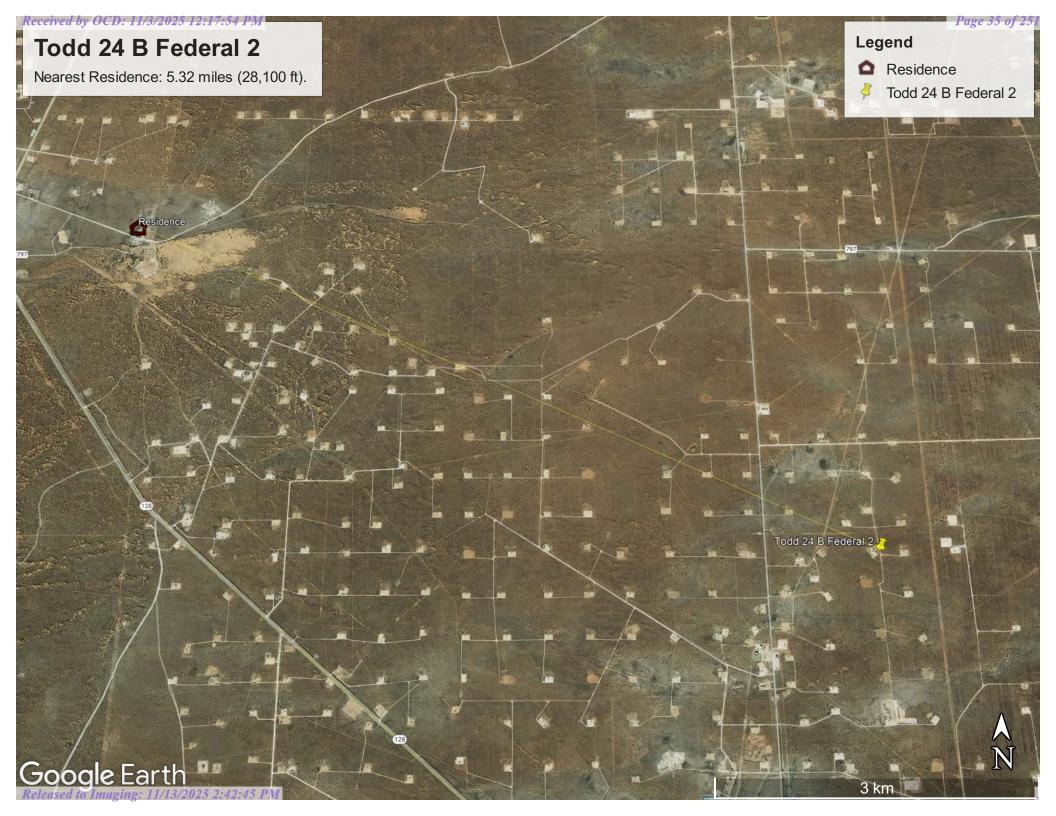
Freshwater Pond

Lake

Other

Riverine

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



Active & Inactive Points of Diversion

(with Ownership Information)

			(acre ft per annum)					and no	D has been replaced longer serves this file, file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM	(meters)		
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q64	q16	q4	Sec	Tws	Range	x	Υ	Мар	Distance
<u>C 04712</u>	CUB	MON	0.000	HARVARD PETROLEUM COMPANY LLC	ED	<u>C 04712 POD3</u>	NA				SE	NW	NE	24	235	31E	619650.7	3573877.9	•	15.7
<u>C 04774</u>	CUB	MON	0.000	DEVON ENGERGY RESOURCES	ED	C 04774 POD1	NA				SE	NE	NE	23	23S	31E	618456.0	3573856.4	•	1,179.2
<u>C 04704</u>	CUB	MON	0.000	DEVON ENERGY	ED	<u>C 04704 POD1</u>	NA				SW	NE	NE	13	235	31E	619854.4	3575363.5	•	1,502.6
<u>C 04877</u>	CUB	EXP	0.000	DEVON ENERGY CORP	LE	C 04877 POD1	NA				SE	NW	NW	30	235	32E	620404.8	3572240.0	•	1,809.0
<u>C 04712</u>	CUB	MON	0.000	HARVARD PETROLEUM COMPANY LLC	ED	C 04712 POD4	NA				NW	SE	SW	14	235	31E	617535.4	3574316.2	•	2,145.0
<u>C 04770</u>	CUB	MON	0.000	FOUNDATION ENERGY MANAGEMENT	LE	C 04770 POD1	NA				NE	SE	NE	18	235	32E	621778.3	3575132.8	•	2,484.1
<u>C 02258</u>	С	PRO	0.000	DEVON ENERGY CORP. (NEVADA)	ED	C 02258						SW	NE	26	235	31E	618055.0	3571853.0 *	•	2,567.7
<u>C 04790</u>	CUB	MON	0.000	DEVON ENERGY RESOURCES	ED	C 04790 POD1	NA				SE	SE	SW	25	235	31E	619309.4	3570904.8	•	2,990.0
<u>C 04855</u>	CUB	MON	0.000	DEVON ENERGY PRODUCTION	ED	<u>C 04855 POD1</u>	NA				NE	SW	SW	11	235	31E	617417.6	3575936.7	•	3,026.4
<u>C 02777</u>	CUB	MON	0.000	US DEPT OF ENERGY WIPP	ED	<u>C 02777</u>					SE	SE	SE	10	23S	31E	616973.8	3575662.1	•	3,204.5
<u>C 03749</u>	CUB	MON	0.000	US DEPARTMENT OF ENERGY	ED	C 03749 POD1				Shallow		NE	NE	15	235	31E	616973.8	3575662.1	•	3,204.5
C 02602	С	SAN	0.000	POGO PRODUCING COMPANY	ED	<u>C 02602</u>						NE	NE	35	235	31E	618471.0	3570650.0 *	•	3,430.5
<u>C 02348</u>	С	STK	3.000	NGL NORTH RANCH LLC A TX LLC	ED	<u>C 02348</u>				Shallow	NW	SE	SW	26	235	31E	617647.5	3571068.0	•	3,441.0
<u>C 03851</u>	CUB	MON	0.000	US DEPARTMENT OF ENERGY	LE	C 03851 POD1				Artesian	SW	SW	SE	20	235	32E	622879.6	3572660.0	•	3,465.3
<u>C 04815</u>	CUB	MON	0.000	DEVON ENERGY RESOURCES	LE	C 04815 POD1	NA				NW	SE	SW	80	235	32E	622391.9	3576025.7	•	3,495.3
<u>C 04712</u>	CUB	MON	0.000	HARVARD PETROLEUM COMPANY LLC	LE	C 04712 POD2	NA				SE	SE	SE	17	235	32E	623331.9	3574331.5	•	3,724.7
					LE	C 04712 POD1	NA				NW	SE	NW	31	235	32E	620917.2	3570289.2	•	3,810.0
<u>C 04942</u>	CUB	EXP	0.000	DEVON ENERGY PRODUCTION CO, LP	LE	C 04942 POD1	NA			Shallow	NW	NE	NE	07	235	32E	621622.2	3577279.8	•	3,940.6
<u>C 03529</u>	С	STK	0.000	U.S. DEPT. OF INTERIORBLM	LE	C 03529 POD1					NE	SE	SW	29	235	32E	622651.2	3571212.5	•	4,024.6
<u>C 04703</u>	CUB	MON	0.000	DEVON ENERGY PRODUCTION CO.	LE	C 04703 POD1	NA				NW	SE	SE	80	265	32E	623195.6	3576072.4	•	4,183.0
<u>C 04724</u>	CUB	MON	0.000	DEVON ENERGY	ED	C 04724 POD1	NA				SE	SW	SW	10	235	31E	615709.7	3575738.3	•	4,344.2
<u>C 04709</u>	CUB	MON	0.000	DEVON ENERGY	ED	C 04709 POD1	NA				SW	NW	NW	15	235	31E	615508.8	3575262.4	•	4,352.6
<u>C 04746</u>	CUB	MON	0.000	DEVON ENERGY RESOURCES	ED	C 04746 POD1	NA				SW	SE	SW	36	235	31E	619225.7	3569417.8	•	4,477.9
<u>C 04951</u>	CUB	EXP	0.000	DEVON ENERGY PRODUCTION COMPANY, LP	LE	C 04951 POD1	NA				SW	NW	NE	06	235	32E	621111.1	3578594.6	•	4,943.1
<u>C 04726</u>	CUB	MON	0.000	DEVON ENERGY	ED	C 04726 POD1	NA				NW	NW	SE	01	23S	31E	619538.3	3578821.3	•	4,945.2

Record Count: 25

Filters Applied:

UTM Filters (in meters): Easting: 619635 Northing: 3573877 Radius: 005000

Sorted By: Distance

* UTM location was derived from PLSS - see Help

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE NAD83 UTM in meters quarters are smallest to largest **Well Tag POD Nbr Q64** Q16 Q4 Sec Tws Х Мар Rng C 02348 NW SE SW 26 23S 31E 617647.5 3571068.0 * UTM location was derived from PLSS - see Help Driller 1654 Driller NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC License: Company: Driller JOHN SIRMAN Name: Drill 2013-10-31 **Drill Finish** 2013-11-01 **Plug Date:** Start Date: Date: 2013-11-07 **PCW Rcv** Shallow Log File Source: Date: Date: **Pump** Pipe **Estimated** 10 Discharge Yield: Type: Size: Casing 6.00 **Depth Well:** 700 Depth 430 Size: Water: **Water Bearing Stratifications: Bottom** Description Top 15 125 Sandstone/Gravel/Conglomerate 315 700 Sandstone/Gravel/Conglomerate **Casing Perforations: Bottom** Top 560 620 680 700

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7/6/25 5:24 PM MST Point of Diversion Summary

Water Right Summary



WR File Number:	C 02348	Subbasin:	С	Cross Reference:
Primary Purpose:	STK 72-12-1 LIVESTOCK WATERING			
Primary Status:	PMT Permit			
Total Acres:		Subfile:		Header:
Total Diversion:	3.000	Cause/Case:		
Owner:	NGL NORTH RANCH LLC A TX LLC	Owner Class:	Owner	
Contact:	JIM WINTER			

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
get images	<u>755955</u>	COWNF	2024-01-31	CHG	PRC	C-2348	Т	0.000	0.000	
get images	633178	COWNF	2018-09-17	CHG	PRC	C-2348	Т		0.000	
get images	<u>491413</u>	72121	2011-12-14	PMT	LOG	C-2348: SUBSEQUENT STK PERMIT	Т		3.000	
	<u>422940</u>	COWNF	2009-02-02	CHG	PRC	C-2348	Т		0.000	
	<u>154822</u>	COWNF	1998-09-09	CHG	PRC	C-2348	Т	0.000	0.000	
	<u>154817</u>	DCL	1998-09-09	DCL	PRC	C-2348	Т	0.000	3.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	Х	Υ	Мар	Other Location Desc
<u>C 02348</u>		Shallow	NW	SE	SW	26	235	31E	617647.5	3571068.0	•	

^{*} UTM location was derived from PLSS - see Help

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7/6/25 5:24 PM MST Water Rights Summary

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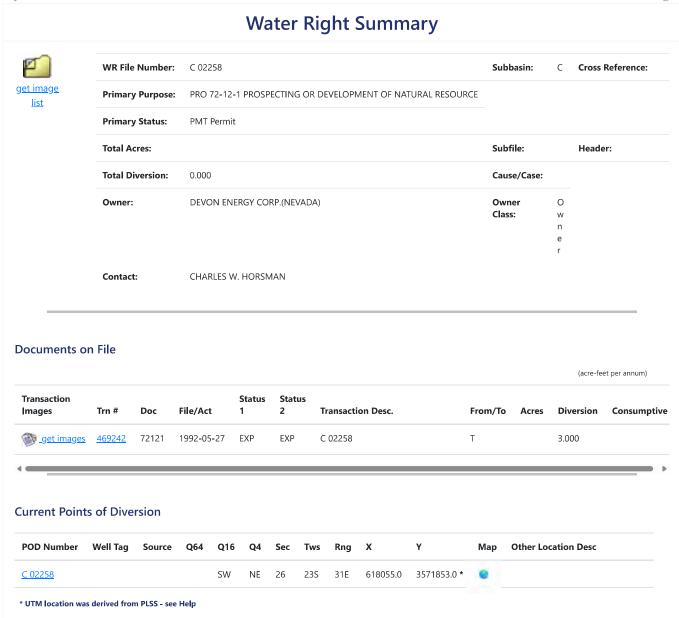
Point of Diversion Summary

		•	are 1=NW 2=NI ers are smallest					NAD83 UTM	n meters	
Well Tag	POD Nb	r Q64	Q16	Q4	Sec	Tws	Rng	x	Y	Мар
	C 02258		SW	NE	26	23S	31E	618055.0	3571853.0 *	
UTM location	was derive	ed from PLSS	- see Help							
Oriller Licen	se: 4	21	Driller Co	mpany:	GLEN	NN'S W	ATER WI	ELL SERVICE		
Driller Name	e: C	ORKY GLEN	N							
Orill Start D	ate: 1	992-09-18	Drill Finis	h Date:	1992	2-09-18			Plug Date:	
.og File Dat	e: 1	992-09-25	PCW Rcv	Date:					Source:	
Pump Type:			Pipe Disch	narge Size:					Estimated Y	ield:
Casing Size:			Depth We	all:	662				Depth Wate	r:

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7/6/25 5:19 PM MST Point of Diversion Summary

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Todd 24B Fed2 Wetland 3.83 Miles



March 9, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

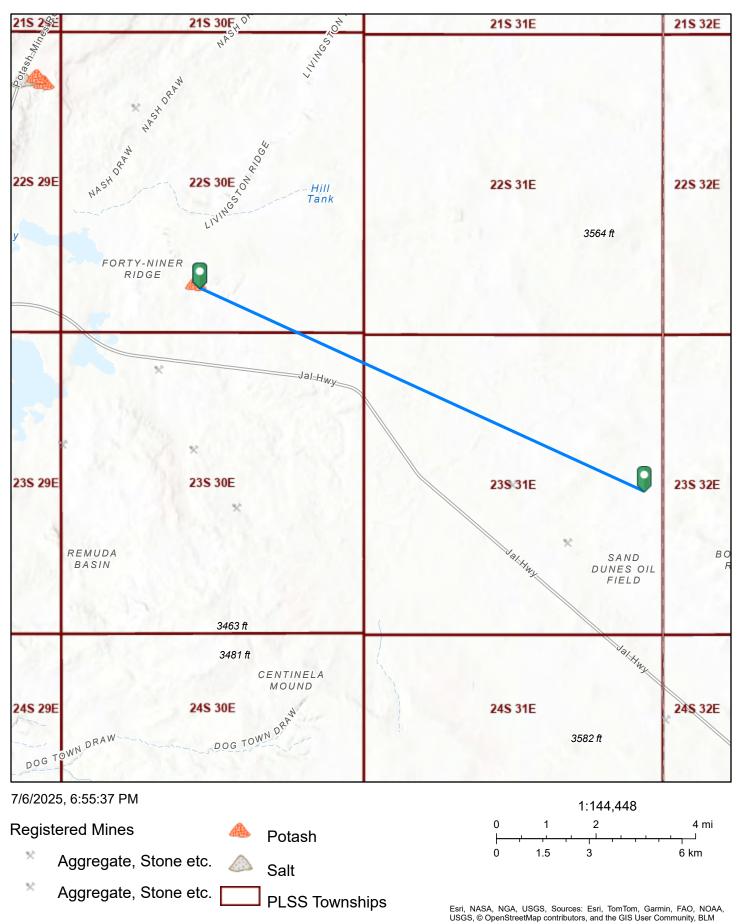
Lake

Other

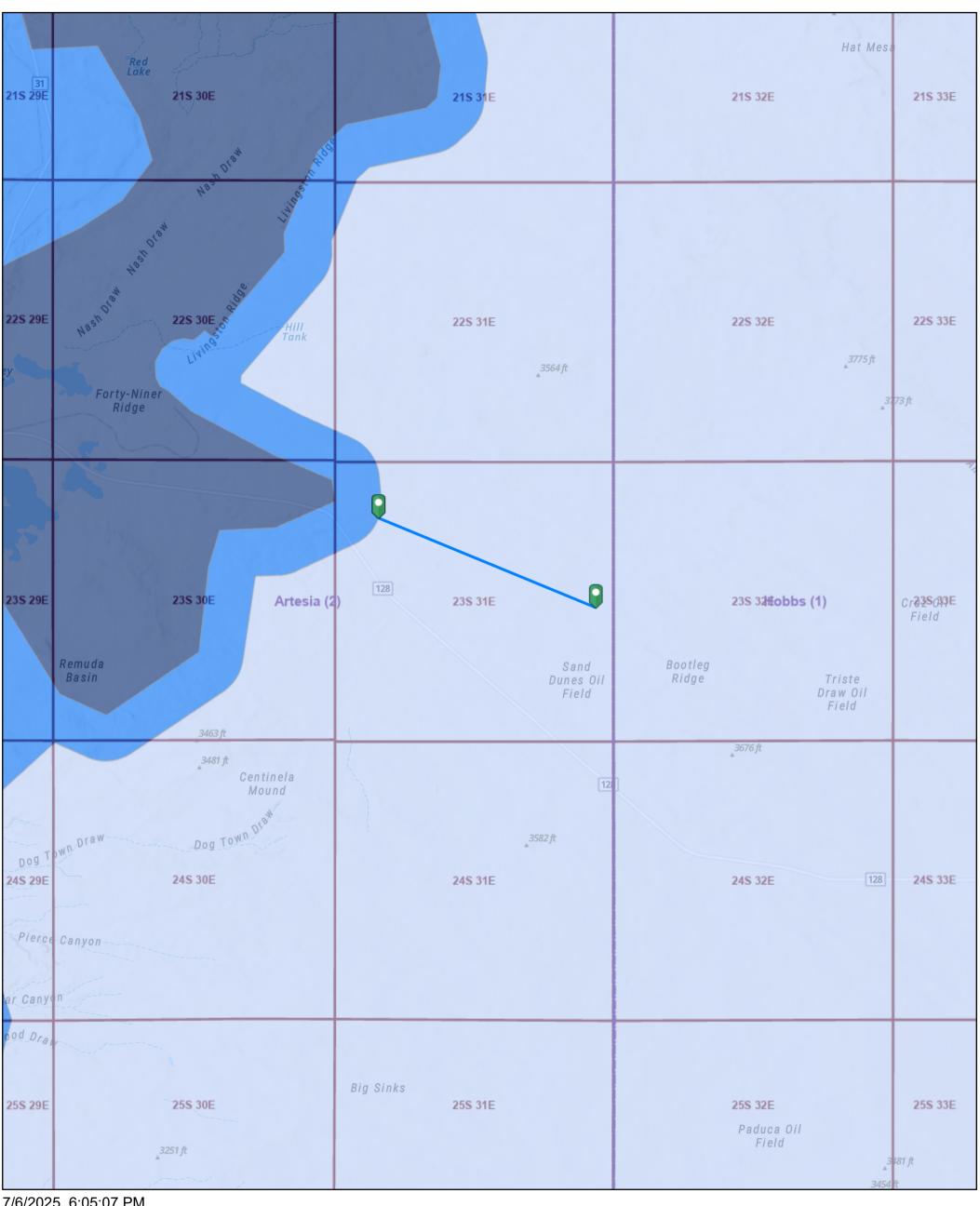
Riverine

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Potash Mine 51,800 feet



Medium Karst 26,770 feet

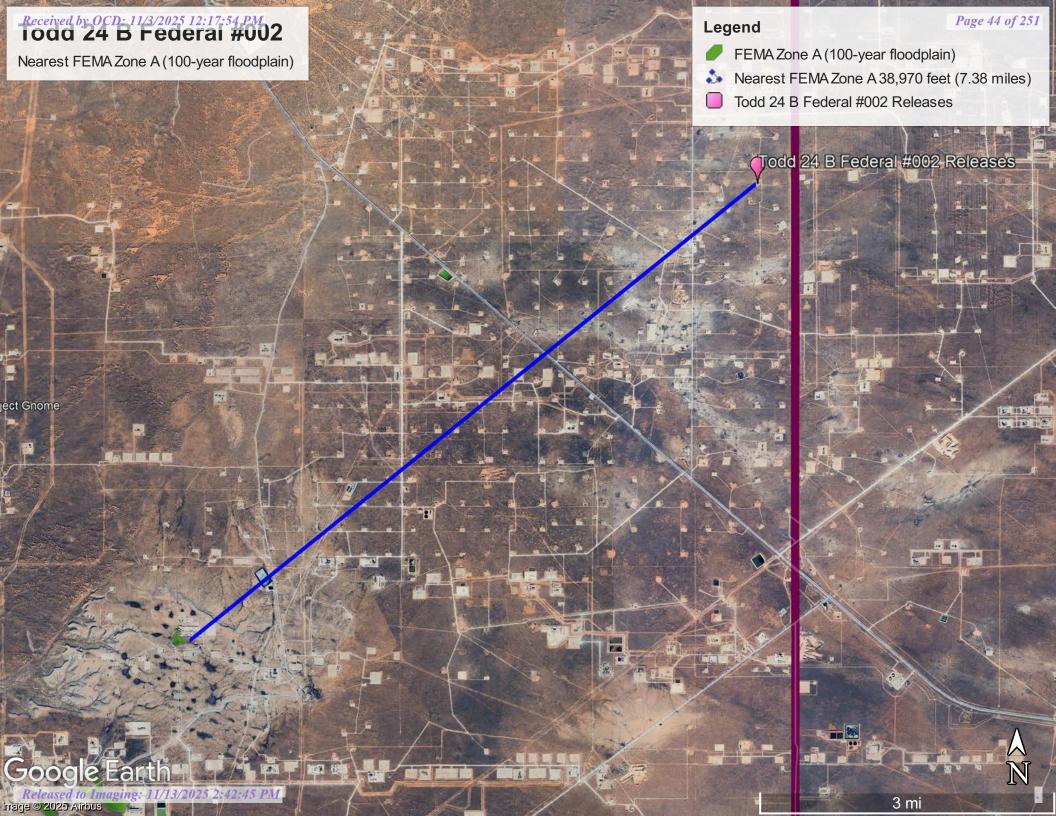


7/6/2025, 6:05:07 PM

1:144,448 Karst Occurrence Potential 0 1.25 2.5 5 mi High 0 2.25 9 km 4.5 Medium

> BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, OCD, BLM

Low



National Flood Hazard Layer FIRMette





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

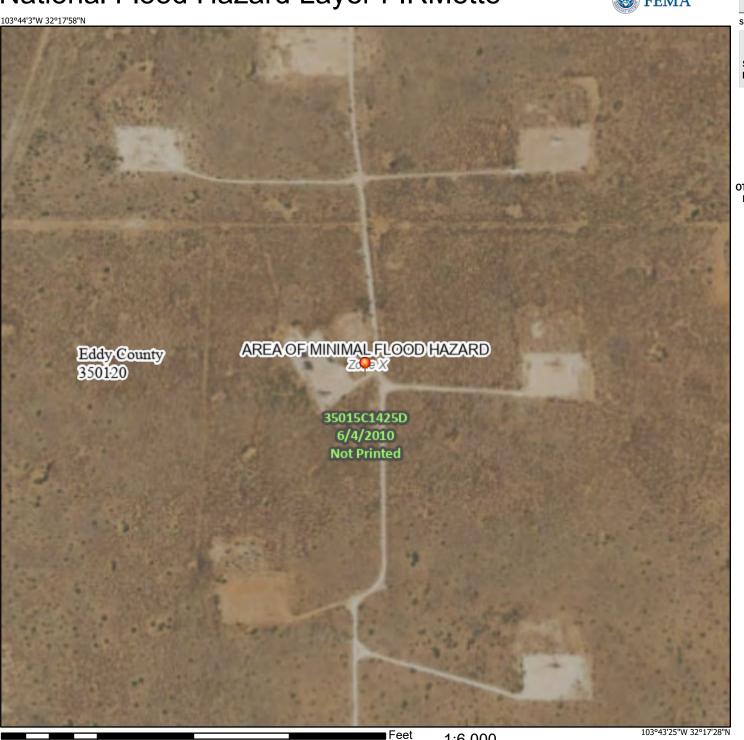
Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - -- - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLILL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent

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

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/27/2023 at 6:31 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



2.000



VRCS

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico





MAP LEGEND

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Water Features

Transportation

00

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

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

 \boxtimes

Borrow Pit

Ж

Clay Spot

 \Diamond

Closed Depression

¥

Gravel Pit

..

Gravelly Spot

0

Landfill

٨

Lava Flow

Marsh or swamp

2

Mine or Quarry

0

Miscellaneous Water

0

Perennial Water
Rock Outcrop

į.

Saline Spot

. .

Sandy Spot

000

Severely Eroded Spot

Λ

Sinkhole

Ø

Slide or Slip Sodic Spot

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 18, Sep 8, 2022

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ВА	Berino loamy fine sand, 0 to 3 percent slopes	0.1	3.6%
ВВ	Berino complex, 0 to 3 percent slopes, eroded	1.7	96.4%
Totals for Area of Interest		1.8	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42 Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 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: 99 percent Minor components: 1 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

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 12 inches: loamy fine sand H2 - 12 to 58 inches: sandy clay loam H3 - 58 to 60 inches: clay loam

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 supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 1 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

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: Plains, fan piedmonts

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 supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear Across-slope shape: Convex, linear

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 supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Wink

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Cacique

Percent of map unit: 4 percent

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Kermit

Percent of map unit: 3 percent Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No



Ecological site R070BD003NM Loamy Sand

Accessed: 04/27/2023

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

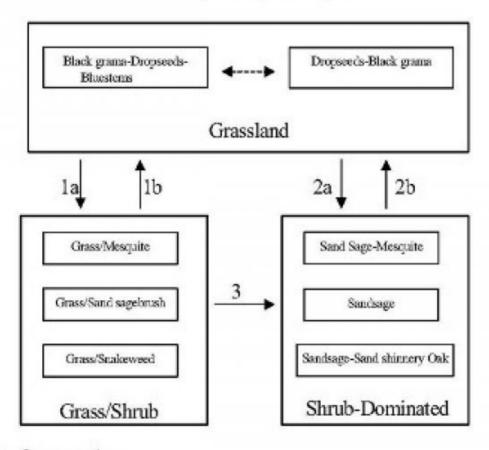
The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (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):

MLRA-42, SD-3, Loamy Sand



- 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.
- 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)	
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





*Black grams/Mesquite community, with some dropseeds, threeours, and scattered sand shimory oak *Oracs cover low to moderate

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

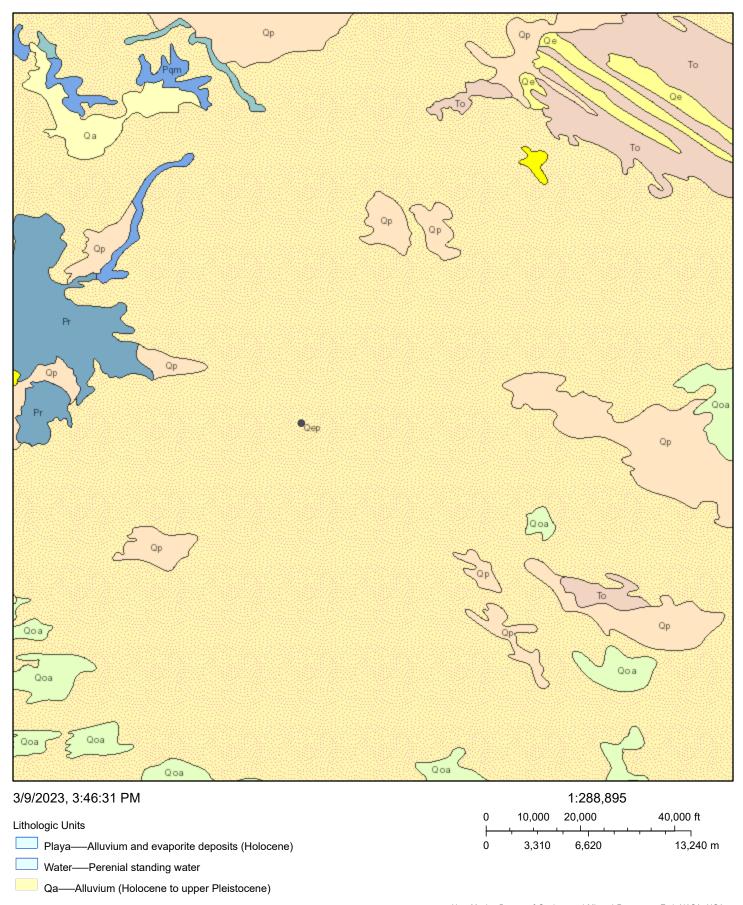
Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances 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/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

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

Todd 24 B Federal 2



New Mexico Bureau of Geology and Mineral Resources, Esri, NASA, NGA, USGS, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems;

APPENDIX C – Daily Field Reports

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Client:	Devon Energy Corporation	Incident ID #:
Site Location Name:	Todd 24 B Federal 2	API #:
Inspection Date:	7/1/2025	
		Summary of Times
Arrived at Site	7/1/2025 6:43 AM	
Departed Site	7/1/2025 4:57 PM	
		Field Notes

- 6:55 Completed JSA on arrival. On site to advance boreholes and collect samples requested by OCD for addition vertical delineation.
- 7:07 Additional borehole locations were determined by OCD and communicated in Remediation Work Plan "Approval with Conditions". Swept additional borehole locations BH25-13, BH25-14, BH25-15, and BH25-16 with magnetic locator prior to ground disturbance.
- 11:05 Advanced BH25-13 and BH25-14 in pasture at coordinates provided by OCD. Boreholes were advanced with hand tools to 4 feet bgs. Samples were collected at 0, 1, 2, 3, and 4 feet bgs.
- 12:14 Advanced BH25-15 inside tank battery containment at coordinates provided by OCD. Borehole was advanced with hand tools. Samples were collected at 0, 1, 2, 3, 4, 5, 6, 7, and 8 feet bgs. The final borehole depth was intended to be 10 feet. In the process of increasing borehole depth to 9 feet bgs, the hand auger to be stuck and is unable to removed by hand. Refusal was ultimately hit at 8 feet bgs. Proximity to the tank battery complicates additional mechanical excavation. The project managers will be consulted for next steps.
- 12:17 Advanced BH25-16 at accessible location within south-central portion of tank battery containment per OCD request. Borehole was advanced with hand tools to 8 feet bgs. Samples were collected at 0, 1, 2, 3, 4, 5, 6, 7, and 8 feet bgs. The final borehole depth of 10 feet will need to be completed with equipment at time of remediation.
- 16:16 Field screening results for all samples collected in pasture at BH25-13 and BH25-14 were below NMOCD strictest criteria for chloride and TPH.
- 16:20 Field screening results for all samples collected at BH25-15 were below NMOCD strictest criterion for chloride. Field screening results for all samples collected at BH25-16 were below NMOCD standards for chloride where DTGW is between 51 and 100 feet bgs. Samples collected at BH25-15 and BH25-16 were not field screened for TPH.



16:20 All samples were packaged for laboratory testing.

Next Steps & Recommendations

- 1 Submit collected soil samples to laboratory for analyses.
- 2 Use heavy equipment to increase depths of boreholes BH25-15 and BH25-16 to 10 feet bgs and collect samples at 9 and 10 feet bgs.



Site Photos





Northeast of tank battery containment facing southwest.

Viewing Direction: Northeast



Southwest of tank battery containment facing northeast.

Viewing Direction: East



In pasture northwest of tank battery facing east. Advanced BH25-13 at specified location.

Viewing Direction: Southeast



In pasture northwest of tank battery facing southeast. Advanced BH25-14 at specified location.







Inside north end of tank battery containment facing south. Advanced BH25-15 at specified location.

Inside north end of tank battery containment facing west. Hand auger stuck at BH25-15.





Inside north end of tank battery containment facing east. Hand auger stuck at BH25-15.

Viewing Direction: North



Inside north end of tank battery containment facing north. Hand auger stuck at BH25-15.







Inside edge of battery containment berm facing southeast. Advanced BH25-16 per OCD request.



Inside edge of battery containment berm facing north-northwest. Advanced BH25-16 per OCD request.

Viewing Direction: East



Inside north end of tank battery containment facing east. Marked hole with stakes and white ribbon.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:



Client:	Devon Energy	incident ID #:
	Corporation	

Site Location Name: Todd 24 B Federal 2 API #:

Inspection Date: 8/12/2025

Summary of Times Arrived at Site 8/12/2025 9:43 AM Departed Site 8/12/2025 5:31 PM

Field Notes

17:13 JSA has been filled out by Vertex Env Tech and Kelley Services Inc.

17:13 To excavate the North and South proposed excavation areas and field screen

17:14 Aquire BH25-16 at 9ft and 10ft. Field screen and jar samples

17:20 Excavations have been fenced off for safety.

Next Steps & Recommendations

1 Samples have been jarred and sent to the lab



Site Photos

Viewing Direction: Northwest



Site view of the North excavation. Excavation is at 1ft. Image taken from the Southeast corner.

Viewing Direction: Southeast



Site view of the North excavation. Excavation is at 1ft. Image taken from the Northwest corner.

Viewing Direction: Northeast



Site view of the North excavation. Excavation is at 1ft. Image taken from the Southwest corner.

Viewing Direction: Southwest



Site view of the North excavation. Excavation is at 1ft. Image taken from the Northeast corner.





BH25-16 has been acquired using a hand auger to 9ft and 10ft. Site view of the Middle excavation. Excavation is at 3ft. Image taken from the Southwest corner.



Site view of the South excavation. Excavation is at 1ft. Image taken from the Southeast corner.



Site view of the South excavation. Excavation is at 1ft. Image taken from the South end.



Site view of the South excavation. Excavation is at 1ft. Image taken from the Southwest corner.





Site view of the South excavation. Excavation is at 1ft. Image taken from the Northeast corner.



Site view of the South excavation. Excavation is at 1ft. Image taken from the Northwest corner.





North excavation has been fenced off



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:



Client: **Devon Energy** Incident ID #:

Corporation

Todd 24 B Federal 2 Site Location Name:

Inspection Date: 9/8/2025

Summary of Times

API#:

Arrived at Site 9/8/2025 11:07 AM

Departed Site 9/8/2025 11:39 AM

Field Notes

11:18 JSA has been filled out by Vertex Resources Environmental Technician

11:19 All three (3) excavations have been backfilled

11:23 Purpose: to do a site visit of excavations that have been backfilled

Next Steps & Recommendations

1



Site Photos

Viewing Direction: Northwest



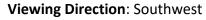
South 2ft excavation has been backfilled. Image taken from the south end of where the excavation was towards the North looking at the tanks.

Viewing Direction: Southwest



South 2ft excavation has been backfilled. Image taken from the east end of where the excavation was towards the west looking at the pasture.







South 2ft excavation has been backfilled. Image taken from the northeast corner of where the excavation was towards the south.

Viewing Direction: Northwest



3ft excavation behind the tanks has been backfilled. Image taken from the southeast corner of the where the excavation was looking towards the northwest corner



Viewing Direction: Southwest



3ft excavation behind the tanks has been backfilled. Image taken from the east end of the where the excavation was looking towards the west end

Viewing Direction: Southeast



3ft excavation behind the tanks has been backfilled. Image taken from the north end of the where the excavation was looking towards the south end







1ft excavation towards the north has been backfilled. Image taken from the south end near the tanks of the where the excavation was looking towards the north end

Viewing Direction: Southwest



1ft excavation towards the north has been backfilled. Image taken from the southeast corner near the tanks of the where the excavation was looking towards the northwest corner





1ft excavation towards the north has been backfilled. Image taken from the northeast corner of the where the excavation was looking towards the southwest corner



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:



Client: Devon Energy Incident ID #:

Corporation

Site Location Name: Todd 24 B Federal 2 API #:

Inspection Date: 10/6/2025

 Summary of Times

 Arrived at Site
 10/6/2025 9:02 AM

 Departed Site
 10/6/2025 2:26 PM

Field Notes

9:37 JSA has been filled out at 9:10 am by all employees in site

9:38 Purpose: to excavate the North end excavation to the proposed 3ft excavation. Previously had been excavated to 1ft.

14:19 Collected a base and wall sample

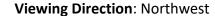
14:19 Samples will be field screened and sent to lab

Next Steps & Recommendations

1



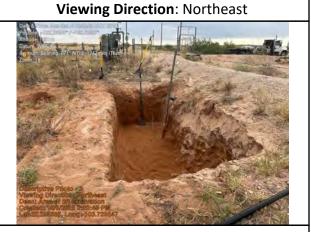
Site Photos





Site view of the 30ml liner and soil from the 3' excavation

-



Area of 3ft excavation, image taken from the northeast corner

Viewing Direction: Southwest



Area of excavation. Excavation is 3'

Viewing Direction: Southeast



Area of 3ft excavation. Northeast end facing the tank batteries





Area is at 3ft which can be seen from this image



Collected five point composite base and wall sample



Area has been fenced off



Area has been fenced off. Northeast corner facing the tank batteries



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature: Sincernation

APPENDIX D – Laboratory Data Reports and Chain of Custody Forms



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

March 03, 2023

Kent Stallings Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210

TEL: (505) 350-1336

FAX:

RE: Todd 24B Federal 2 OrderNo.: 2302857

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 7 sample(s) on 2/21/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: Devon Energy

Analytical Report

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH22-03 2ft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:00:00 AM

 Lab ID:
 2302857-001
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/27/2023 7:13:23 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/27/2023 7:13:23 PM
Surr: DNOP	98.0	69-147	%Rec	1	2/27/2023 7:13:23 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2023 7:31:29 AM
Surr: BFB	95.5	37.7-212	%Rec	1	2/25/2023 7:31:29 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/25/2023 7:31:29 AM
Toluene	ND	0.047	mg/Kg	1	2/25/2023 7:31:29 AM
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2023 7:31:29 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/25/2023 7:31:29 AM
Surr: 4-Bromofluorobenzene	90.5	70-130	%Rec	1	2/25/2023 7:31:29 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	2/25/2023 6:26:48 AM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-03 4ft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:05:00 AM

 Lab ID:
 2302857-002
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/27/2023 7:45:05 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/27/2023 7:45:05 PM
Surr: DNOP	102	69-147	%Rec	1	2/27/2023 7:45:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2023 10:14:58 AM
Surr: BFB	95.8	37.7-212	%Rec	1	2/25/2023 10:14:58 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/25/2023 10:14:58 AM
Toluene	ND	0.048	mg/Kg	1	2/25/2023 10:14:58 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/25/2023 10:14:58 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/25/2023 10:14:58 AM
Surr: 4-Bromofluorobenzene	90.4	70-130	%Rec	1	2/25/2023 10:14:58 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	2/25/2023 7:04:03 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-01 4ft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:10:00 AM

 Lab ID:
 2302857-003
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/27/2023 8:17:04 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/27/2023 8:17:04 PM
Surr: DNOP	104	69-147	%Rec	1	2/27/2023 8:17:04 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2023 11:25:28 AM
Surr: BFB	97.3	37.7-212	%Rec	1	2/25/2023 11:25:28 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/25/2023 11:25:28 AM
Toluene	ND	0.048	mg/Kg	1	2/25/2023 11:25:28 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/25/2023 11:25:28 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/25/2023 11:25:28 AM
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	2/25/2023 11:25:28 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	2/25/2023 7:41:16 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 14

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-10 0ft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:15:00 AM

 Lab ID:
 2302857-004
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/27/2023 8:27:48 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/27/2023 8:27:48 PM
Surr: DNOP	108	69-147	%Rec	1	2/27/2023 8:27:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2023 12:36:21 PM
Surr: BFB	98.2	37.7-212	%Rec	1	2/25/2023 12:36:21 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/25/2023 12:36:21 PM
Toluene	ND	0.049	mg/Kg	1	2/25/2023 12:36:21 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2023 12:36:21 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2023 12:36:21 PM
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	2/25/2023 12:36:21 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	61	mg/Kg	20	2/25/2023 7:53:41 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 14

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-10 2ft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:20:00 AM

 Lab ID:
 2302857-005
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/27/2023 8:38:32 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/27/2023 8:38:32 PM
Surr: DNOP	106	69-147	%Rec	1	2/27/2023 8:38:32 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2023 1:00:03 PM
Surr: BFB	99.5	37.7-212	%Rec	1	2/25/2023 1:00:03 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/25/2023 1:00:03 PM
Toluene	ND	0.050	mg/Kg	1	2/25/2023 1:00:03 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2023 1:00:03 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/25/2023 1:00:03 PM
Surr: 4-Bromofluorobenzene	93.0	70-130	%Rec	1	2/25/2023 1:00:03 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	2/25/2023 8:30:55 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 14

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-11 Oft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:25:00 AM

 Lab ID:
 2302857-006
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/2/2023 8:55:02 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/2/2023 8:55:02 AM
Surr: DNOP	116	69-147	%Rec	1	3/2/2023 8:55:02 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/25/2023 1:23:47 PM
Surr: BFB	99.9	37.7-212	%Rec	1	2/25/2023 1:23:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/25/2023 1:23:47 PM
Toluene	ND	0.046	mg/Kg	1	2/25/2023 1:23:47 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/25/2023 1:23:47 PM
Xylenes, Total	ND	0.092	mg/Kg	1	2/25/2023 1:23:47 PM
Surr: 4-Bromofluorobenzene	94.2	70-130	%Rec	1	2/25/2023 1:23:47 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	2/25/2023 8:43:20 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 14

CLIENT: Devon Energy

Analytical Report

Lab Order **2302857**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH22-12 Oft

 Project:
 Todd 24B Federal 2
 Collection Date: 2/17/2023 10:30:00 AM

 Lab ID:
 2302857-007
 Matrix: SOIL
 Received Date: 2/21/2023 7:20:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 9.9 2/27/2023 9:00:02 PM mg/Kg 1 2/27/2023 9:00:02 PM Motor Oil Range Organics (MRO) ND mg/Kg 1 49 Surr: DNOP 104 69-147 %Rec 1 2/27/2023 9:00:02 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 4.7 2/25/2023 1:47:34 PM mg/Kg 1 Surr: BFB 98.2 37.7-212 %Rec 1 2/25/2023 1:47:34 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 2/25/2023 1:47:34 PM mg/Kg 1 Toluene ND 0.047 mg/Kg 1 2/25/2023 1:47:34 PM Ethylbenzene ND 0.047 mg/Kg 1 2/25/2023 1:47:34 PM Xylenes, Total ND 0.094 mg/Kg 1 2/25/2023 1:47:34 PM Surr: 4-Bromofluorobenzene 91.9 70-130 %Rec 1 2/25/2023 1:47:34 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 2/25/2023 8:55:45 AM ND 60 mg/Kg 20

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 14

Hall Environmental Analysis Laboratory, Inc.

03-Mar-23

2302857

WO#:

Client: Devon Energy
Project: Todd 24B Federal 2

Sample ID: MB-73383 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 73383 RunNo: 94885

Prep Date: 2/25/2023 Analysis Date: 2/25/2023 SeqNo: 3429558 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-73383 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73383 RunNo: 94885

Prep Date: 2/25/2023 Analysis Date: 2/25/2023 SeqNo: 3429559 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 96.6 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 14

Hall Environmental Analysis Laboratory, Inc.

40

10

50.00

2302857 03-Mar-23

WO#:

Client: Devon Energy **Project:** Todd 24B Federal 2

Sample ID: LCS-73309	SampType: LCS	8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID: 73309	RunNo: 94848				
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427958	Units: mg/Kg			
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Diesel Range Organics (DRO)	40 10 50.00	0 79.7 61.9	130			
Surr: DNOP	3.7 5.000	73.3 69	147			
Sample ID: MB-73309	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: PBS	Batch ID: 73309	RunNo: 94848				
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427961	Units: mg/Kg			
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Diesel Range Organics (DRO)	ND 10					
Motor Oil Range Organics (MRO)	ND 50					
Surr: DNOP	8.3 10.00	83.1 69	147			
Sample ID: LCS-73337	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: LCSS	Batch ID: 73337	RunNo: 94894				
Prep Date: 2/23/2023	Analysis Date: 2/27/2023	SeqNo: 3430270	Units: mg/Kg			
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			

Surr: DNOP	3.7		5.000		74.8	69	147			
Sample ID: MB-73337	SampT	уре: МЕ	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch	n ID: 73 3	337	F	RunNo: 94	1894				
Prep Date: 2/23/2023	Analysis D	Date: 2/ 2	27/2023	5	SeqNo: 34	130276	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.7	69	147			

0

80.6

61.9

130

Sample ID: 2302857-002AMS	Samp1	Гуре: М.	3	Tes	I 8015M/D: Diesel Range Organics					
Client ID: BH22-03 4ft	Batc	h ID: 73 :	337	F	RunNo: 94894					
Prep Date: 2/23/2023	Analysis [Date: 2/	27/2023	5	SeqNo: 34	431125	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.6	47.89	0	86.8	54.2	135		•	
Surr: DNOP	4.4		4.789		92.7	69	147			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

Diesel Range Organics (DRO)

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 9 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302857** *03-Mar-23*

Client: Devon Energy
Project: Todd 24B Federal 2

Project:	Fodd 24B Federal 2								
Sample ID: 2302857 -	•002AMSD SampType:	MSD	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: BH22-03	4ft Batch ID:	73337	F	RunNo: 94	1894				
Prep Date: 2/23/20	23 Analysis Date:	2/27/2023	5	SeqNo: 34	31126	Units: mg/K	g		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DI	RO) 38 9	9.0 45.17	0	83.4	54.2	135	9.80	29.2	
Surr: DNOP	4.0	4.517		87.8	69	147	0	0	
Sample ID: MB-7347	4 SampType:	MBLK	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID:	73474	F	RunNo: 94	1965				
Prep Date: 3/2/202	3 Analysis Date:	3/2/2023	9	SeqNo: 34	34009	Units: %Rec	;		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.4	10.00		84.0	69	147			
Sample ID: LCS-734	74 SampType:	LCS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID:	73474	F	RunNo: 94	965				
Prep Date: 3/2/202	3 Analysis Date:	3/2/2023	9	SeqNo: 34	34010	Units: %Rec	:		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5	5.000		90.1	69	147			
Sample ID: MB-7345	6 SampType:	MBLK	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID:	73456	F	RunNo: 94	1965				
Prep Date: 3/1/202	3 Analysis Date:	3/2/2023	9	SeqNo: 34	34451	Units: %Rec	;		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11	10.00		113	69	147			
Sample ID: LCS-734	56 SampType:	LCS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	_
Client ID: LCSS	Batch ID:	73456	F	RunNo: 94	1965				
Prep Date: 3/1/202	3 Analysis Date:	3/2/2023	9	SeqNo: 34	34452	Units: %Rec	;		

Qualifiers:

Analyte Surr: DNOP

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

PQL

5.0

SPK value SPK Ref Val

5.000

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value

%REC

100

LowLimit

69

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 14

%RPD

RPDLimit

Qual

HighLimit

147

Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

WO#: **2302857** *03-Mar-23*

Client: Devon Energy
Project: Todd 24B Federal 2

Sample ID: 2302857-002ams	SampT	уре: МЅ	;	Tes	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: BH22-03 4ft	Batch	n ID: 73 3	320	F	RunNo: 94858					
Prep Date: 2/22/2023	Analysis D	Date: 2/ 2	25/2023	5	SeqNo: 34	129423	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.06	0	94.4	70	130			
Surr: BFB	1900		962.5		194	37.7	212			
Sample ID: 2302857-002amsd	SampType: MSD TestCode: EPA Method 8015D: Gasoline Range								·	

Client ID: BH22-03 4ft	Batch	n ID: 73 3	320	F	RunNo: 94	4858				
Prep Date: 2/22/2023	Analysis D	Date: 2/ 2	25/2023	5	SeqNo: 34	429424	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.18	0	93.8	70	130	0.113	20	
Surr: BFB	1900		967.1		195	37.7	212	0	0	

Sample ID: Ics-73299	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Range)	
Client ID: LCSS	Batch	n ID: 73 2	299	F	RunNo: 94	4858				
Prep Date: 2/21/2023	Analysis D	Date: 2/ 2	24/2023	5	SeqNo: 34	429444	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.1	72.3	137		_	
Surr: BEB	1900		1000		191	37.7	212			

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS	Batch	n ID: 73 3	320	F	RunNo: 94	4858							
Prep Date: 2/22/2023	Analysis Date: 2/25/2023			5	SeqNo: 34	129445	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.2	72.3	137						
Surr: RER	1900		1000		101	37 7	212						

Sample ID: mb-73299	SampT	ype: MB	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	•	
Client ID: PBS	Batch	ID: 732	299	F	RunNo: 94	1858				
Prep Date: 2/21/2023	Analysis D	ate: 2/2	24/2023	5	SeqNo: 34	129446	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0		_			_		_	
Surr: BFB	980		1000		98.2	37.7	212			

Sample ID: mb-73320	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 73320	RunNo: 94858
Prep Date: 2/22/2023	Analysis Date: 2/25/2023	SeqNo: 3429447 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

Sample ID: Ics-73320

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 14

Hall Environmental Analysis Laboratory, Inc.

2302857 03-Mar-23

WO#:

Client: Devon Energy
Project: Todd 24B Federal 2

Sample ID: mb-73320 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 73320 RunNo: 94858

Prep Date: 2/22/2023 Analysis Date: 2/25/2023 SeqNo: 3429447 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 96.8 37.7 212

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 12 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302857**

03-Mar-23

Client: Devon Energy
Project: Todd 24B Federal 2

Sample ID: 2302857-003ams	SampT	1	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH22-01 4ft	Batch	n ID: 73 3	320	F	RunNo: 94	4858					
Prep Date: 2/22/2023	Analysis D	Date: 2/2	25/2023	5	SeqNo: 34	129471	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.86	0.024	0.9625	0	89.2	68.8	120				
Toluene	0.89	0.048	0.9625	0.01736	90.3	73.6	124				
Ethylbenzene	0.87	0.048	0.9625	0	90.8	72.7	129				
Xylenes, Total	2.6	0.096	2.887	0	91.7	75.7	126				
Surr: 4-Bromofluorobenzene	0.91		0.9625		94.7	70	130				

Sample ID: 2302857-003amsd	Samp	уре: МЅ	SD.	Tes	8021B: Volati	les				
Client ID: BH22-01 4ft	Batcl	n ID: 73 3	320	F	RunNo: 94	4858				
Prep Date: 2/22/2023	Analysis [Date: 2/2	25/2023	5	SeqNo: 34	129472	Units: mg/K	g		
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit High						%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9653	0	89.7	68.8	120	0.815	20	
Toluene	0.89	0.048	0.9653	0.01736	90.6	73.6	124	0.538	20	
Ethylbenzene	0.88	0.048	0.9653	0	91.4	72.7	129	0.937	20	
Xylenes, Total	2.6	0.097	2.896	0	91.2	75.7	126	0.280	20	
Surr: 4-Bromofluorobenzene	0.91		0.9653		94.1	70	130	0	0	

Sample ID: LCS-73299	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch	n ID: 732	299	F	RunNo: 94	4858						
Prep Date: 2/21/2023	Analysis D	Date: 2/2	24/2023	5	SeqNo: 34	129488	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.92	0.025	1.000	0	91.5	80	120					
Toluene	0.94	0.050	1.000	0	93.7	80	120					
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120					
Xylenes, Total	2.8	0.10	3.000	0	93.2	80	120					
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	70	130					

Sample ID: LCS-73320	Samp	ype: LC	S	Tes	8021B: Volati	les				
Client ID: LCSS	Batcl	n ID: 73 3	320	F	RunNo: 94	1858				
Prep Date: 2/22/2023	Analysis [Date: 2/2	25/2023	5	SeqNo: 34	129489	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.90	0.050	1.000	0	90.2	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302857** *03-Mar-23*

05-Mar-

Client: Devon Energy
Project: Todd 24B Federal 2

Sample ID: mb-73299	SampT	уре: МЕ	BLK	Tes						
Client ID: PBS	Batch	n ID: 732	299	F	RunNo: 94	4858				
Prep Date: 2/21/2023	Analysis D	Analysis Date: 2/24/2023			SeqNo: 34	429490	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		70	130				

Sample ID: mb-73320	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	n ID: 73 3	320	F	RunNo: 94	4858				
Prep Date: 2/22/2023	Analysis D	Date: 2/ 2	25/2023	5	SeqNo: 34	429491	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.0	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 14



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 11/13/2025 2:42:45 PM

FIG. 1011				Website: www.	nanenvi	oninei	mai.com			
Client Name:	Devon Ene	ergy	Work	Order Numb	er: 230	2857			RcptNo:	1
Received By:	Tracy Cas	sarrubias	2/21/20)23 7:20:00 A	M					
Completed By:	Tracy Cas		2/21/20)23 9:17:23 A	M					
Reviewed By:	11	21-23	2,21,20	20 0.77.207						
4	0									
Chain of Cus						_				
1. Is Chain of C	Custody comp	lete?			Yes	Ш	No	V	Not Present	
2. How was the	e sample deliv	vered?			Cou	rier				
Log In										
3. Was an atter	mpt made to	cool the sampl	es?		Yes	V	No		na 🗌	
4. Were all sam	iples received	l at a temperat	ure of >0° C	to 6.0°C	Yes	~	No		NA 🗌	
5. Sample(s) in	proper conta	iner(s)?			Yes	✓	No			
6. Sufficient san	nple volume i	for indicated te	st(s)?		Yes	V	No			
7. Are samples	(except VOA	and ONG) pro	perly preserve	ed?	Yes	✓	No			
8. Was preserva					Yes		No	V	NA 🗆	
9. Received at le	east 1 vial wi	th headspace	<1/4" for AQ \	/OA?	Yes		No		NA 🗹	
10. Were any sa	mple contain	ers received bi	oken?		Yes		No	V	# of preserved	
11. Does paperw					Yes	V	No		bottles checked for pH:	>12 unless noted)
		ain of custody)			Yes		No		(<2 of Adjusted?	>12 uniess noted)
 Are matrices Is it clear what 			-		Yes	∨	No			
13. Is it clear wild 14. Were all hold	=	•	•		Yes	$ \checkmark $	No		Checked by:	1/2/4/2
(If no, notify o	_				165		110	1	/	J. 7 (-1 U >
Special Hand										
15. Was client no	otified of all d	iscrepancies w	ith this order	?	Yes		No		NA 🗹	
	Notified:			Date:						
By Wh				Via:	eM	ail [] Phone [Fax	☐ In Person	
Regard	_]								
16. Additional re	Instructions:					-				
17. Cooler Info		Condition	Ca-13-4- :	Control	0- 10		0		***	
Cooler No	o Temp °C 5.2	Condition Good	Seal Intact Yes	Seal No Yogi	Seal D	ate	Signed	ву		
2	5.4	Good	Yes	Yogi					4	
L.	1	3							1	

C	hain	of-Cu	stody Record	Turn-Around	Time:						A 1			11/	ТО		NI IN		NT	AI	
Client:<		NE		Standard Project Name	Rush CUBF	50ay edeval Z				A	N/ ww	AL` .hall	YS envir	IS	nent	AE al.co	BOI om	RA	TO		
		<u> </u>	#16	Project #:			1			awkir 5-34:		75	Fa	ax (505-	345-	M 87 [.] 4107				
Phone:	# :			"UL-	0.0010	-10					_		March Street	sis	Requ	uest				4	
email o	r Fax#:			Project Mana	iger:		5	(S					SO ₄			ent)					
QA/QC I □ Stan	⊃ackage: dard		☐ Level 4 (Full Validation)	Project Mana			TMB's (8021)	SO / MF	PCB's		8270SIMS		PO4,			nt/Abs					
Accredi		☐ Az Co☐ Other	mpliance	Sampler: Fe	K Yes	D NedvigeZ	II	TPH:8015D(GRO / DRO / MRO)	s/8082	8	. 1	S	3, NO ₂ ,		(V)	(Prese					
	(Type)			# of Coolers:	100		MTBE/	<u> </u>	cide	bo	310	etal	9	اء	<u>`</u>	Ē					
			Camaria Nama	Container Preservative HEAL No.					8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	PF, Br,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)					
		î –	Sample Name	Type and #	Type	001	9	. 7	- Ø	"	-	2	9	80	<u></u>	느		\dashv	+	-	+-
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	10:05	1	BH12-03 4Ft			002	V	\vee			_	_	V		_	_	_	_	4	4	4
	10:10		BH72-01 UFT			003										\Box		\Box			
	10:15		BH77-10 OFF			004															
	10:20		BH77-10 2++			002	V	1													
1/	10025	0.	3477-11 OFF	W	W	006	V	V										\Box			
A	10,30	1 11	BH2-120F+	V	4	007	V	\checkmark										\neg			
	1000		100.00				<u> </u>			\neg								\neg			
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

May 27, 2022

Monica Peppin Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (505) 350-1336

FAX:

RE: Todd 24 B Federal 2 OrderNo.: 2205800

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 11 sample(s) on 5/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-01 0'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 10:25:00 AM

 Lab ID:
 2205800-001
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	Analyst: SB				
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/23/2022 12:45:42 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/23/2022 12:45:42 PM
Surr: DNOP	128	51.1-141	%Rec	1	5/23/2022 12:45:42 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/19/2022 9:46:00 PM
Surr: BFB	86.5	37.7-212	%Rec	1	5/19/2022 9:46:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	5/19/2022 9:46:00 PM
Toluene	ND	0.049	mg/Kg	1	5/19/2022 9:46:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/19/2022 9:46:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	5/19/2022 9:46:00 PM
Surr: 4-Bromofluorobenzene	86.9	70-130	%Rec	1	5/19/2022 9:46:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	60	59	mg/Kg	20	5/20/2022 12:17:26 PM

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

Qualifiers:

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

Page 1 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-01 2'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 10:30:00 AM

 Lab ID:
 2205800-002
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: SB				
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	5/23/2022 12:56:46 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	5/23/2022 12:56:46 PM
Surr: DNOP	128	51.1-141	%Rec	1	5/23/2022 12:56:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/19/2022 10:45:00 PM
Surr: BFB	91.1	37.7-212	%Rec	1	5/19/2022 10:45:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	5/19/2022 10:45:00 PM
Toluene	ND	0.047	mg/Kg	1	5/19/2022 10:45:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	5/19/2022 10:45:00 PM
Xylenes, Total	ND	0.093	mg/Kg	1	5/19/2022 10:45:00 PM
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	5/19/2022 10:45:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 12:29:51 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

 $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-02 0'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 10:10:00 AM

 Lab ID:
 2205800-003
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	19	8.8	mg/Kg	1	5/23/2022 1:07:46 PM
Motor Oil Range Organics (MRO)	100	44	mg/Kg	1	5/23/2022 1:07:46 PM
Surr: DNOP	127	51.1-141	%Rec	1	5/23/2022 1:07:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/19/2022 11:05:00 PM
Surr: BFB	89.7	37.7-212	%Rec	1	5/19/2022 11:05:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	5/19/2022 11:05:00 PM
Toluene	ND	0.050	mg/Kg	1	5/19/2022 11:05:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	5/19/2022 11:05:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	5/19/2022 11:05:00 PM
Surr: 4-Bromofluorobenzene	88.0	70-130	%Rec	1	5/19/2022 11:05:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 1:07:06 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-02 2'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 10:15:00 AM

 Lab ID:
 2205800-004
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	Analyst: SB				
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/23/2022 1:29:28 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/23/2022 1:29:28 PM
Surr: DNOP	119	51.1-141	%Rec	1	5/23/2022 1:29:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/19/2022 11:24:00 PM
Surr: BFB	90.1	37.7-212	%Rec	1	5/19/2022 11:24:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/19/2022 11:24:00 PM
Toluene	ND	0.047	mg/Kg	1	5/19/2022 11:24:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	5/19/2022 11:24:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	5/19/2022 11:24:00 PM
Surr: 4-Bromofluorobenzene	90.8	70-130	%Rec	1	5/19/2022 11:24:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 1:19:30 PM

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

Qualifiers:

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

Page 4 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-03 0'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 11:30:00 AM

 Lab ID:
 2205800-005
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	17	10	mg/Kg	1	5/23/2022 1:40:27 PM
Motor Oil Range Organics (MRO)	290	50	mg/Kg	1	5/23/2022 1:40:27 PM
Surr: DNOP	121	51.1-141	%Rec	1	5/23/2022 1:40:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/19/2022 11:44:00 PM
Surr: BFB	89.5	37.7-212	%Rec	1	5/19/2022 11:44:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	5/19/2022 11:44:00 PM
Toluene	ND	0.049	mg/Kg	1	5/19/2022 11:44:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/19/2022 11:44:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	5/19/2022 11:44:00 PM
Surr: 4-Bromofluorobenzene	88.1	70-130	%Rec	1	5/19/2022 11:44:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	61	mg/Kg	20	5/20/2022 1:31:55 PM

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

Qualifiers:

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

Page 5 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-04 0'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 11:10:00 AM

 Lab ID:
 2205800-006
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/25/2022 10:08:54 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/25/2022 10:08:54 AM
Surr: DNOP	102	51.1-141	%Rec	1	5/25/2022 10:08:54 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/20/2022 12:04:00 AM
Surr: BFB	91.3	37.7-212	%Rec	1	5/20/2022 12:04:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/20/2022 12:04:00 AM
Toluene	ND	0.048	mg/Kg	1	5/20/2022 12:04:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	5/20/2022 12:04:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	5/20/2022 12:04:00 AM
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	5/20/2022 12:04:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 1:44:19 PM

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

Qualifiers:

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

Page 6 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-04 2'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 11:15:00 AM

 Lab ID:
 2205800-007
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/23/2022 1:51:24 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/23/2022 1:51:24 PM
Surr: DNOP	108	51.1-141	%Rec	1	5/23/2022 1:51:24 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/20/2022 12:23:00 AM
Surr: BFB	90.3	37.7-212	%Rec	1	5/20/2022 12:23:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/20/2022 12:23:00 AM
Toluene	ND	0.048	mg/Kg	1	5/20/2022 12:23:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	5/20/2022 12:23:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	5/20/2022 12:23:00 AM
Surr: 4-Bromofluorobenzene	90.3	70-130	%Rec	1	5/20/2022 12:23:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 1:56:43 PM

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

Qualifiers:

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

Page 7 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-05 0'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 11:00:00 AM

 Lab ID:
 2205800-008
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/23/2022 2:02:19 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/23/2022 2:02:19 PM
Surr: DNOP	109	51.1-141	%Rec	1	5/23/2022 2:02:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/20/2022 12:43:00 AM
Surr: BFB	88.1	37.7-212	%Rec	1	5/20/2022 12:43:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/20/2022 12:43:00 AM
Toluene	ND	0.048	mg/Kg	1	5/20/2022 12:43:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	5/20/2022 12:43:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	5/20/2022 12:43:00 AM
Surr: 4-Bromofluorobenzene	91.5	70-130	%Rec	1	5/20/2022 12:43:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 2:09:08 PM

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

Qualifiers:

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

Page 8 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-05 2'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 11:05:00 AM

 Lab ID:
 2205800-009
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/23/2022 2:13:15 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/23/2022 2:13:15 PM
Surr: DNOP	113	51.1-141	%Rec	1	5/23/2022 2:13:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/20/2022 1:03:00 AM
Surr: BFB	87.9	37.7-212	%Rec	1	5/20/2022 1:03:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/20/2022 1:03:00 AM
Toluene	ND	0.047	mg/Kg	1	5/20/2022 1:03:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	5/20/2022 1:03:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	5/20/2022 1:03:00 AM
Surr: 4-Bromofluorobenzene	90.3	70-130	%Rec	1	5/20/2022 1:03:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 2:21:32 PM

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

Qualifiers:

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

Page 9 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-06 0'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 10:40:00 AM

 Lab ID:
 2205800-010
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/23/2022 2:24:08 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2022 2:24:08 PM
Surr: DNOP	99.6	51.1-141	%Rec	1	5/23/2022 2:24:08 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/20/2022 1:42:00 AM
Surr: BFB	88.7	37.7-212	%Rec	1	5/20/2022 1:42:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/20/2022 1:42:00 AM
Toluene	ND	0.048	mg/Kg	1	5/20/2022 1:42:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	5/20/2022 1:42:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	5/20/2022 1:42:00 AM
Surr: 4-Bromofluorobenzene	90.7	70-130	%Rec	1	5/20/2022 1:42:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 2:33:57 PM

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

Qualifiers:

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

Page 10 of 16

Date Reported: 5/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH22-06 2'

 Project:
 Todd 24 B Federal 2
 Collection Date: 5/16/2022 10:45:00 AM

 Lab ID:
 2205800-011
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/23/2022 2:35:01 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/23/2022 2:35:01 PM
Surr: DNOP	113	51.1-141	%Rec	1	5/23/2022 2:35:01 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/20/2022 2:02:00 AM
Surr: BFB	83.9	37.7-212	%Rec	1	5/20/2022 2:02:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/20/2022 2:02:00 AM
Toluene	ND	0.048	mg/Kg	1	5/20/2022 2:02:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	5/20/2022 2:02:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	5/20/2022 2:02:00 AM
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	5/20/2022 2:02:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	5/20/2022 2:46:22 PM

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

Qualifiers:

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

Page 11 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205800**

27-May-22

Client: Devon Energy
Project: Todd 24 B Federal 2

Sample ID: MB-67596 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **67596** RunNo: **88190**

Prep Date: 5/20/2022 Analysis Date: 5/20/2022 SeqNo: 3126542 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-67596 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67596 RunNo: 88190

Prep Date: 5/20/2022 Analysis Date: 5/20/2022 SeqNo: 3126543 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 90.7 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 12 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205800**

27-May-22

Client:	Devon Energy
Project:	Todd 24 B Federal 2

Project: Todd 24	B Federal 2									
Sample ID: LCS-67548	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 67548	RunNo: 88170								
Prep Date: 5/19/2022	Analysis Date: 5/20/2022	SeqNo: 3126893	Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual							
Diesel Range Organics (DRO)	43 10 50.00	0 85.8 64.4	127							
Surr: DNOP	5.0 5.000	101 51.1	141							
Sample ID: MB-67548	SampType: MBLK	E: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67548	RunNo: 88170								
Prep Date: 5/19/2022	Analysis Date: 5/20/2022	SeqNo: 3126897 Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual							
Diesel Range Organics (DRO)	ND 10									
Motor Oil Range Organics (MRO)	ND 50									
Surr: DNOP	11 10.00	112 51.1	141							
Sample ID: LCS-67607	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch ID: 67607	RunNo: 88200								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127567	Units: %Rec							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual							
Surr: DNOP	6.4 5.000	127 51.1	141							
Sample ID: MB-67607	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 67607	RunNo: 88200								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127570	Units: %Rec							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual							
Surr: DNOP	13 10.00	132 51.1								
			141							
Sample ID: LCS-67667	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics							
Sample ID: LCS-67667 Client ID: LCSS	SampType: LCS Batch ID: 67667	TestCode: EPA Method RunNo: 88262								
Client ID: LCSS	Batch ID: 67667 Analysis Date: 5/25/2022	RunNo: 88262	8015M/D: Diesel Range Organics							
Client ID: LCSS Prep Date: 5/24/2022	Batch ID: 67667 Analysis Date: 5/25/2022	RunNo: 88262 SeqNo: 3129962	8015M/D: Diesel Range Organics Units: %Rec							
Client ID: LCSS Prep Date: 5/24/2022 Analyte	Batch ID: 67667 Analysis Date: 5/25/2022 Result PQL SPK value	RunNo: 88262 SeqNo: 3129962 SPK Ref Val	8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual							
Client ID: LCSS Prep Date: 5/24/2022 Analyte Surr: DNOP	Batch ID: 67667 Analysis Date: 5/25/2022 Result PQL SPK value 6.2 5.000	RunNo: 88262 SeqNo: 3129962 SPK Ref Val	8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 141							
Client ID: LCSS Prep Date: 5/24/2022 Analyte Surr: DNOP Sample ID: LCS-67670	Batch ID: 67667 Analysis Date: 5/25/2022 Result PQL SPK value 6.2 5.000 SampType: LCS	RunNo: 88262 SeqNo: 3129962 SPK Ref Val %REC LowLimit 124 51.1 TestCode: EPA Method	8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 141							
Client ID: LCSS Prep Date: 5/24/2022 Analyte Surr: DNOP Sample ID: LCS-67670 Client ID: LCSS Prep Date: 5/24/2022	Batch ID: 67667 Analysis Date: 5/25/2022 Result PQL SPK value 6.2 5.000 SampType: LCS Batch ID: 67670 Analysis Date: 5/25/2022	RunNo: 88262 SeqNo: 3129962 SPK Ref Val %REC LowLimit 124 51.1 TestCode: EPA Method RunNo: 88262 SeqNo: 3129963	8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 141 8015M/D: Diesel Range Organics Units: mg/Kg							
Client ID: LCSS Prep Date: 5/24/2022 Analyte Surr: DNOP Sample ID: LCS-67670 Client ID: LCSS	Batch ID: 67667 Analysis Date: 5/25/2022 Result PQL SPK value 6.2 5.000 SampType: LCS Batch ID: 67670	RunNo: 88262 SeqNo: 3129962 SPK Ref Val %REC LowLimit 124 51.1 TestCode: EPA Method RunNo: 88262 SeqNo: 3129963	8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 141 8015M/D: Diesel Range Organics Units: mg/Kg							

Qualifiers:

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

Page 13 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205800

27-May-22

Client: Devon Energy
Project: Todd 24 B Federal 2

Sample ID: MB-67667 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 67667 RunNo: 88262 Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3129964 Units: %Rec SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual

Surr: DNOP 9.3 10.00 93.2 51.1 141

Sample ID: MB-67670 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 67670 RunNo: 88262 Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3129965 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 97 10.00 96.8 51 1 141

SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: MB-67666 Client ID: Batch ID: 67666 RunNo: 88263 Prep Date: 5/24/2022 Analysis Date: 5/26/2022 SeqNo: 3131422 Units: %Rec %REC SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result PQI LowLimit HighLimit Qual Surr: DNOP 10.00 51.1

Sample ID: LCS-67666 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67666 RunNo: 88263 Prep Date: Analysis Date: 5/26/2022 5/24/2022 SeqNo: 3131423 Units: %Rec Analyte Result POL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

Surr: DNOP 5.4 5.000 108 51.1 141

Qualifiers:

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

Page 14 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205800 27-May-22

Client: Devon Energy **Project:** Todd 24 B Federal 2

Sample ID: Ics-67545 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 67545 RunNo: 88144 Units: mg/Kg Prep Date: 5/18/2022 Analysis Date: 5/19/2022 SeqNo: 3124750 **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Gasoline Range Organics (GRO) 25 5.0 25.00 0 100 72.3 137 Surr: BFB 1900 1000 191 37.7 212

Sample ID: mb-67545 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 67545 RunNo: 88144 Prep Date: 5/18/2022 Analysis Date: 5/19/2022 SeqNo: 3124752 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) ND Surr: BFB

1000

910

5.0

90.6

37.7

212

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RLReporting Limit Page 15 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205800 27-May-22**

Client: Devon Energy
Project: Todd 24 B Federal 2

Sample ID: Ics-67545	SampType: LCS TestCode: EPA Method 8 Batch ID: 67545 RunNo: 88144				8021B: Volati	iles				
Client ID: LCSS			_					_		
Prep Date: 5/18/2022	Analysis [Date: 5/ 1	19/2022	5	SeqNo: 31	124827	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			

Sample ID: mb-67545	Samp1	SampType: MBLK TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batcl	h ID: 675	D: 67545 RunNo: 88144							
Prep Date: 5/18/2022	Analysis D	Date: 5/	19/2022	5	124828	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.7	70	130			

Sample ID: 2205800-001ams	Samp ⁻	Туре: М S	pe: MS TestCode: EPA Method					les		
Client ID: BH22-01 0'	Batc	h ID: 675	545	F	RunNo: 8	3144				
Prep Date: 5/18/2022	Analysis [Date: 5/	19/2022	5	124831	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	0.9843	0	101	68.8	120			
Toluene	1.0	0.049	0.9843	0	103	73.6	124			
Ethylbenzene	1.0	0.049	0.9843	0	102	72.7	129			
Xylenes, Total	3.0	0.098	2.953	0	102	75.7	126			
Surr: 4-Bromofluorobenzene	0.88		0.9843		89.1	70	130			

Sample ID: 2205800-001amsd	SampT	SampType: MSD TestCode: EPA Method 8021B: Volatiles						les		
Client ID: BH22-01 0'	Batcl	Batch ID: 67545 RunNo: 88144								
Prep Date: 5/18/2022	Analysis D	s Date: 5/19/2022 SeqNo: 3124832 Units: mg/Kg						g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9833	0	99.5	68.8	120	1.44	20	
Toluene	1.0	0.049	0.9833	0	101	73.6	124	1.40	20	
Ethylbenzene	0.99	0.049	0.9833	0	101	72.7	129	1.31	20	
Xylenes, Total	3.0	0.098	2.950	0	100	75.7	126	1.57	20	
Surr: 4-Bromofluorobenzene	0.86		0.9833		87.6	70	130	0	0	

Qualifiers:

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

Page 16 of 16

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Devon Energy** Work Order Number: 2205800 RcptNo: 1 Received By: Joseph Alderette 5/18/2022 8:27:00 AM Completed By: **Desiree Dominguez** 5/18/2022 9:28:26 AM Reviewed By: LVCA 5.18.20 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? V No 🗌 Yes 7. Are samples (except VOA and ONG) properly preserved? Yes ~ No 🗌 8. Was preservative added to bottles? No V Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? NA V Yes No 📗 10. Were any sample containers received broken? No V Yes # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? 1 No 🗌 13. Is it clear what analyses were requested? Yes V No 🗌 Checked by: 115/18/22 14. Were all holding times able to be met? ~ Yes No L (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 5.5 Good

Page 1 of 1

Turn-Around Time: Chain-of-Custody Record HALL ENVIRONMENTAL Client: Devon ☑ Standard Rush_ 5 MM ANALYSIS LABORATORY Project Name: www.hallenvironmental.com Todd 24B Federal #2 Mailing Address: on file 4901 Hawkins NE - Albuquerque, NM 87109 Project #: Tel. 505-345-3975 Fax 505-345-4107 21E-02816-16 Phone #: **Analysis Request** email or Fax#: Dermicin@ Vertex. ca Project Manager: TPH:8015D(GRO / DRO / MRO) SO Coliform (Present/Absent) TMB's (8021) QA/QC Package: 8270SIMS Monica Peppin Standard ☐ Level 4 (Full Validation) Sampler: Sally Cartar Accreditation:

Az Compliance ☐ NELAC 8270 (Semi-VOA) □ Other On Ice: □ No RIEN MTBE / NO3, RCRA 8 Metals ☐ EDD (Type) # of Coolers: 8260 (VOA) Cooler Temp(including CF): 55-0:55 Br, CI)F, Total Container HEAL No. Preservative 2205800 Sample Name Date Time Matrix Type and # Type 10:25 BH22-01 0' 5/14 Soil ice -001 10:30 BH22-01 2' -002 10:10 BH22-02 0' -003 10:15 BH22- OL 2' -004 11:30 BH 22-03 0' -005 11:10 BH22-04 0' -006 BH22-042' 11:15 -007 11:00 BH22-050' -008 11:05 BH 22-05 -009

Di

BH 22.06

BH22-06

10:40

10:45

Remarks:

No work order #

ce to be sent to Lower Dale Woodard

-010

-011



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

June 03, 2022

Monica Peppin Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Todd 24B Federal 2 OrderNo.: 2205A95

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 6 sample(s) on 5/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-07 0'

 Project:
 Todd 24B Federal 2
 Collection Date: 5/20/2022 8:50:00 AM

 Lab ID:
 2205A95-001
 Matrix: SOIL
 Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	5/28/2022 12:09:51 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	5/28/2022 12:09:51 AM
Surr: DNOP	76.6	51.1-141	%Rec	1	5/28/2022 12:09:51 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2022 5:44:25 PM
Surr: BFB	103	37.7-212	%Rec	1	5/27/2022 5:44:25 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	5/27/2022 5:44:25 PM
Toluene	ND	0.048	mg/Kg	1	5/27/2022 5:44:25 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2022 5:44:25 PM
Xylenes, Total	ND	0.096	mg/Kg	1	5/27/2022 5:44:25 PM
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	5/27/2022 5:44:25 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	6/1/2022 12:52:25 AM

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

Qualifiers:

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

Page 1 of 13

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-07 2'

 Project:
 Todd 24B Federal 2
 Collection Date: 5/20/2022 9:00:00 AM

 Lab ID:
 2205A95-002
 Matrix: SOIL
 Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	5/28/2022 12:23:34 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	5/28/2022 12:23:34 AM
Surr: DNOP	108	51.1-141	%Rec	1	5/28/2022 12:23:34 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2022 6:08:08 PM
Surr: BFB	99.6	37.7-212	%Rec	1	5/27/2022 6:08:08 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	5/27/2022 6:08:08 PM
Toluene	ND	0.048	mg/Kg	1	5/27/2022 6:08:08 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2022 6:08:08 PM
Xylenes, Total	ND	0.097	mg/Kg	1	5/27/2022 6:08:08 PM
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	5/27/2022 6:08:08 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	59	mg/Kg	20	6/1/2022 1:04:50 AM

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

Qualifiers:

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

Page 2 of 13

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-08 0'

 Project:
 Todd 24B Federal 2
 Collection Date: 5/20/2022 9:10:00 AM

 Lab ID:
 2205A95-003
 Matrix: SOIL
 Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	5/28/2022 12:37:32 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	5/28/2022 12:37:32 AM
Surr: DNOP	98.2	51.1-141	%Rec	1	5/28/2022 12:37:32 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2022 6:31:48 PM
Surr: BFB	98.4	37.7-212	%Rec	1	5/27/2022 6:31:48 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	5/27/2022 6:31:48 PM
Toluene	ND	0.048	mg/Kg	1	5/27/2022 6:31:48 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2022 6:31:48 PM
Xylenes, Total	ND	0.095	mg/Kg	1	5/27/2022 6:31:48 PM
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	5/27/2022 6:31:48 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	6/1/2022 2:06:51 AM

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

Qualifiers:

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

Page 3 of 13

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-08 2'

Project: Todd 24B Federal 2 Collection Date: 5/20/2022 9:20:00 AM Lab ID: 2205A95-004 Matrix: SOIL **Received Date:** 5/25/2022 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/28/2022 12:51:17 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/28/2022 12:51:17 AM
Surr: DNOP	99.8	51.1-141	%Rec	1	5/28/2022 12:51:17 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/27/2022 6:55:25 PM
Surr: BFB	100	37.7-212	%Rec	1	5/27/2022 6:55:25 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	5/27/2022 6:55:25 PM
Toluene	ND	0.049	mg/Kg	1	5/27/2022 6:55:25 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/27/2022 6:55:25 PM
Xylenes, Total	ND	0.097	mg/Kg	1	5/27/2022 6:55:25 PM
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	5/27/2022 6:55:25 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	6/1/2022 2:19:16 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Ε Estimated value

J Analyte detected below quantitation limits

Sample pH Not In Range

Page 4 of 13 RL Reporting Limit

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-09 0'

 Project:
 Todd 24B Federal 2
 Collection Date: 5/20/2022 10:50:00 AM

 Lab ID:
 2205A95-005
 Matrix: SOIL
 Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/27/2022 7:02:55 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/27/2022 7:02:55 PM
Surr: DNOP	106	51.1-141	%Rec	1	5/27/2022 7:02:55 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2022 7:49:00 PM
Surr: BFB	86.3	37.7-212	%Rec	1	5/27/2022 7:49:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/27/2022 7:49:00 PM
Toluene	ND	0.048	mg/Kg	1	5/27/2022 7:49:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2022 7:49:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	5/27/2022 7:49:00 PM
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	5/27/2022 7:49:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	6/1/2022 2:31:40 AM

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

Qualifiers:

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

Page 5 of 13

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-09 2'

 Project:
 Todd 24B Federal 2
 Collection Date: 5/20/2022 11:00:00 AM

 Lab ID:
 2205A95-006
 Matrix: SOIL
 Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/27/2022 8:14:41 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/27/2022 8:14:41 PM
Surr: DNOP	105	51.1-141	%Rec	1	5/27/2022 8:14:41 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2022 8:48:00 PM
Surr: BFB	87.1	37.7-212	%Rec	1	5/27/2022 8:48:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	5/27/2022 8:48:00 PM
Toluene	ND	0.048	mg/Kg	1	5/27/2022 8:48:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2022 8:48:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	5/27/2022 8:48:00 PM
Surr: 4-Bromofluorobenzene	85.9	70-130	%Rec	1	5/27/2022 8:48:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	6/1/2022 2:44:04 AM

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

Qualifiers:

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

Page 6 of 13

Hall Environmental Analysis Laboratory, Inc.

2205A95 03-Jun-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: MB-67796 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67796 RunNo: 88375

Prep Date: 5/31/2022 Analysis Date: 5/31/2022 SeqNo: 3135693 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-67796 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67796 RunNo: 88375

Prep Date: 5/31/2022 Analysis Date: 6/1/2022 SeqNo: 3135694 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 93.8 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A95 03-Jun-22**

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: MB-67680 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 67680 RunNo: 88246

Prep Date: 5/25/2022 Analysis Date: 5/26/2022 SegNo: 3132682 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: DNOP 9.3 10.00 93.1 51.1 141

Sample ID: LCS-67680 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS Client ID: LCSS Batch ID: 67680 RunNo: 88246 Prep Date: 5/25/2022 Analysis Date: 5/26/2022 SeqNo: 3132685 Units: %Rec Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Surr: DNOP 4.7 5.000 93.1 51.1 141

Sample ID: MB-67736 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 67736 RunNo: 88246 Prep Date: Analysis Date: 5/27/2022 SeqNo: 3133612 5/26/2022 Units: mq/Kq Result POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte LowLimit HighLimit Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 11 10.00 108 51.1

Sample ID: LCS-67736 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67736 RunNo: 88246 Analysis Date: 5/27/2022 Prep Date: 5/26/2022 SeqNo: 3133613 Units: mg/Kg Analyte Result POI SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 51 10 50.00 n 102 64.4 127 Surr: DNOP 4.7 5.000 93.7 51.1 141

Sample ID: 2205A95-005AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH22-09 0' Batch ID: 67736 RunNo: 88246 Analysis Date: 5/27/2022 SeqNo: 3133615 Prep Date: 5/26/2022 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Diesel Range Organics (DRO) 53 9.4 46.77 8.478 95.1 36.1 154 Surr: DNOP 4.5 4.677 95.5 51.1 141

Sample ID: 2205A95-005AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH22-09 0' Batch ID: 67736 RunNo: 88246 Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133616 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 51 45.29 8.478 93.8 36.1 154 3.84 33.9 9.1

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 13

Hall Environmental Analysis Laboratory, Inc.

4.6

2205A95 03-Jun-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: 2205A95-005AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH22-09 0' Batch ID: 67736 RunNo: 88246 Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133616 Units: mq/Kq SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Surr: DNOP 4.3 4.529 94.5 51 1 141 0 n

Sample ID: MB-67735 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 67735 RunNo: 88333 Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3134442 Units: mg/Kg **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10.00 9.9 98.7 51 1 141

Sample ID: LCS-67735 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67735 RunNo: 88333 Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3134443 Units: mg/Kg %RPD **RPDLimit** PQL SPK value SPK Ref Val %REC HighLimit Analyte Result LowLimit Qual Diesel Range Organics (DRO) 49 10 50.00 97.2 64.4 127 Surr: DNOP

92.0

51.1

141

5.000

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 9 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A95 03-Jun-22**

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: mb-67725	SampT	ype: MB	BLK	Tes	tCode: El	PA Method	8015D: Gasol	ine Range	!	
Client ID: PBS	Batch	ID: 677	725	F	RunNo: 8	8348				
Prep Date: 5/26/2022	Analysis D	ate: 5/2	27/2022	5	SeqNo: 3	133375	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								

Gasoline Range Organics (GRO) ND 5.0

Sample ID: Ics-67725

Surr: BFB

Surr: BFB 1000 1000 99.8 37.7 212

SampType: LCS

2100

Client ID: LCSS Batch ID: 67725 RunNo: 88348 Analysis Date: 5/27/2022 Prep Date: 5/26/2022 SeqNo: 3133376 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25.00 119 72.3

210

TestCode: EPA Method 8015D: Gasoline Range

37.7

212

Sample ID: Ics-67728 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 67728 RunNo: 88349 Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133510 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual

 Gasoline Range Organics (GRO)
 24
 5.0
 25.00
 0
 96.0
 72.3
 137

 Surr: BFB
 1800
 1000
 184
 37.7
 212

1000

Sample ID: mb-67728 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 67728 Client ID: PRS RunNo: 88349 Analysis Date: 5/27/2022 Prep Date: 5/26/2022 SeqNo: 3133511 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 880 1000 87.5 37.7 212

Sample ID: 2205a95-005ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH22-09 0' Batch ID: 67728 RunNo: 88349 Prep Date: Analysis Date: 5/27/2022 SeqNo: 3133513 5/26/2022 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 4.7 23.72 0 70 108 130 Surr: BFB 1900 948.8 200 37.7 212

Sample ID: 2205a95-005amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH22-09 0'** Batch ID: **67728** RunNo: **88349**

Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133514 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

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

Page 10 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A95**

03-Jun-22

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: 2205a95-005amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH22-09 0' Batch ID: 67728 RunNo: 88349

Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133514 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.7	23.70	0	105	70	130	2.42	20	
Surr: BFB	1800		947 9		192	37.7	212	0	0	

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A95 03-Jun-22**

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: mb-67725	Samp	Гуре: МЕ	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: 67 7	725	RunNo: 88348							
Prep Date: 5/26/2022	Analysis [Date: 5/ 2	27/2022	5	SeqNo: 3	133428	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130				
Comple ID: 1 00 07705		F 1 0					0004D V-1-4				

Sample ID: LCS-67725	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	n ID: 677	'25	F	RunNo: 88	3348				
Prep Date: 5/26/2022	Analysis D	Date: 5/2	27/2022	9	SeqNo: 31	133429	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.9	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: Ics-67728	Samp1	ype: LC	S	Tes	tCode: EF	PA Method	les				
Client ID: LCSS	Batcl	n ID: 677	'28	F	RunNo: 88	3349					
Prep Date: 5/26/2022	Analysis [Date: 5/2	27/2022	5	SeqNo: 31	133559	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.93	0.025	1.000	0	93.2	80	120				
Toluene	0.94	0.050	1.000	0	94.5	80	120				
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120				
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120				
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	70	130				

Sample ID: mb-67728	SampT	уре: МЕ	BLK	Tes	PA Method	8021B: Volati	les			
Client ID: PBS	Batch	n ID: 677	728	F	3349					
Prep Date: 5/26/2022	Analysis D	Date: 5/ 2	27/2022	9	SeqNo: 31	133560	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Qualifiers:

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

Page 12 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A95**

03-Jun-22

Client: Vertex Resources Services, Inc.

Project: Todd 24B Federal 2

Sample ID: 2205a95-006ams SampType: MS Client ID: BH22-09 2' Batch ID: 67728					tCode: EF RunNo: 88		8021B: Volati	les		
Prep Date: 5/26/2022	Analysis [Date: 5/ 2	27/2022	9	SeqNo: 31	133563	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9653	0	98.7	68.8	120			
Toluene	0.97	0.048	0.9653	0	100	73.6	124			
Ethylbenzene	0.95	0.048	0.9653	0	98.8	72.7	129			
Xylenes, Total	2.8	0.097	2.896	0	97.3	75.7	126			
Surr: 4-Bromofluorobenzene	0.84		0.9653		87.1	70	130			

Sample ID: 2205a95-006amsd	TestCode: EPA Method 8021B: Volatiles									
Client ID: BH22-09 2' Batch ID: 67728				F	RunNo: 8	3349				
Prep Date: 5/26/2022	Analysis [Date: 5/ 2	27/2022		SeqNo: 3	133564	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9718	0	96.7	68.8	120	1.33	20	
Toluene	0.95	0.049	0.9718	0	98.2	73.6	124	1.14	20	
Ethylbenzene	0.93	0.049	0.9718	0	96.1	72.7	129	2.05	20	
Xylenes, Total	2.8	0.097	2.915	0	95.7	75.7	126	0.893	20	
Surr: 4-Bromofluorobenzene	0.83		0.9718		85.9	70	130	0	0	

Qualifiers:

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

Page 13 of 13



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

ENVIRONMENTAL ANALYSIS LABORATORY

Client Name:	Vertex Resources Services, Inc.	Work Order Num	ber: 220	5A95			RcptNo: 1
Received By:	Juan Rojas	5/25/2022 7:15:00	АМ		Hear	3	b i iii
Completed By:	Sean Livingston	5/25/2022 8:53:16	AM		<	/	(n +
Reviewed By:	on 5/25/22				بر ک	-6	ngot-
Chain of Cus	tody						
1. Is Chain of Cu	ustody complete?		Yes	V	No		Not Present
2. How was the	sample delivered?		Cou	rier			
Log In							
Was an attem	npt made to cool the sample	es?	Yes	V	No		NA 🗆
4. Were all samp	ples received at a temperat	ure of >0° C to 6.0°C	Yes	V	No		NA 🗆
5. Sample(s) in p	proper container(s)?		Yes	V	No		
6. Sufficient sam	ple volume for indicated tes	st(s)?	Yes	V	No		
7. Are samples (e	except VOA and ONG) proj	perly preserved?	Yes	V	No		
8. Was preservat	tive added to bottles?		Yes		No	V	NA 🗌
9. Received at lea	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes		No		NA 🗹
10. Were any sam	nple containers received bro	oken?	Yes		No	V	# of preserved
	rk match bottle labels?		Yes	V	No		bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices c	orrectly identified on Chain	of Custody?	Yes	V	No		Adjusted?
13. Is it clear what	analyses were requested?		Yes	V	No		
	ng times able to be met?		Yes	V	No		Checked by: \$5-25-22
	ing (if applicable)						
	tified of all discrepancies w	ith this order?	Yes		No		NA 🗹
Person I	Notified:	Date:				_	
By Who	m:	Via:	eMa	ail 🗍	Phone	Fax	☐ In Person
Regardir	ng:					-	
Client In	structions:						
16. Additional ren	narks:						
17. Cooler Inform	nation						
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Da	ate	Signed E	Зу	
1	0.3 Good	Not Present					

Released to Imaging: 11/13/2025 2:42:45 PM

	Chain	-of-C	ustody Reco	ord	Turn-Around	d Time:		٦,													ceiv
Client:	Vert				☑ Standar	d PRus	15 Day			E									1EN		
		(on)			Project Nam	ie:	3 1	1 1											KA	10	RY
Mailing	Addres	3:			Toda 24	B Feder	ul #12										ntal.co): <u> </u>
	0	n kil	L		Project #:				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107												
Phone		U			21E - C	28/6		-5-		el. 5	05-3	45-3					-345 juest	-4107			025
email o	or Fax#:				Project Man				<u> </u>				,		ysis	Rec			-	-	12:1
QA/QC	Package ndard		☐ Level 4 (Full Va	lidation)	Mornica	Peppin pin@ver	40 M. O.C.	TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	PCB's		8270SIMS		PO ₄ , SO ₄			(Present/Absent)				7:54 PM
	itation:	□ Az C	ompliance	1	1.000	ally Car		MB's	DRG	82 F	_	2708		NO ₂ , F			sent				
□ NEL	4 14 4 4	□ Othe	r		On Ice:	☐ Yes	□ No	-	02	s/80	504.	or 8				8	Pres				
□ EDL	(Type)				# of Coolers:	1	2	MTBE	J(GF	cide	pol 5	310	etals	NO3		i-V0	E L	l II			
					Cooler Temp	O(including CF): ().	3-0=0.3 (°C)		015	esti	Meth	by 8	8 M	Br,	VOA	Sem	olifo				
Date		Matrix	Sample Name		Container Type and #	Preservative Type	HEAL No. 2205A95	BTEX/	TPH:8	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	CI)F, Br, NO3,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform				
5/20	8:50	Soil	BH22-07	0'	140 jar	ICE	001	1	V					1							
	9:00		BH22-07	2'	1	İ	22	1	1					1		1_1					
	9:10		BH 22-08	0'			103							1					1		
	9 20		BH 22-08	21			004		\top			7		+					+		
	10.50		BH22-09	0'			005							1		-		+	+	\vdash	
	11:00		BH22-09	2'	(teal)	1 k	004							+				+	+		
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5/2(t) Date:	1:15 Time:	Sall			illu	9	5/25/22 1030	6	SCV	d	16	LVI	000	1000	t	d	an	d			age
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190	1900	ulli	un)	- 1	12/1	Vunur 5	125/22 72/5														of 2
11	necessary,	samples sub	mitted to Hall Environmental r	may be subc	contracted to other ac	credited laboratories	s. This serves as notice of this	possib	ility. A	ny sub	-contr	acted	data w	vill be	clearly	notate	ed on th	he analy	tical rep	ort.	31

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/14/2025 5:05:29 PM

JOB DESCRIPTION

Todd 24 B Federal #002 25A-01218

JOB NUMBER

885-28078-1

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 7/14/2025 5:05:29 PM

Authorized for release by Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com (505)345-3975 4

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4

Client: Vertex Laboratory Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	34
QC Association Summary	41
Lab Chronicle	48
Certification Summary	57
Chain of Custody	58
Receipt Checklists	61

Definitions/Glossary

Client: Vertex Job ID: 885-28078-1

Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a
	dilution may be flagged with a D.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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
Percent Recovery
Contains Free Liquid
Colony Forming Unit
Contains No Free Liquid
Duplicate Error Ratio (normalized absolute difference)
Dilution Factor
Detection Limit (DoD/DOE)
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum 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 Job ID: 885-28078-1

Project: Todd 24 B Federal #002

Job ID: 885-28078-1 Eurofins Albuquerque

Job Narrative 885-28078-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/3/2025 7:45 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 2.5°C.

Receipt Exceptions

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 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-29732 and analytical batch 885-29757 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 8015D_DRO: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-29732 and analytical batch 885-29757 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.

Method 8015D_DRO: The following sample was diluted due to the nature of the sample matrix: BH25-16 0' (885-28078-20)

Method 8015D_DRO: The following samples required a dilution due to the nature of the sample matrix: BH25-16 1' (885-28078-21) and BH25-16 2' (885-28078-22). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-29794 recovered above the upper control limit for Motor Oil Range Organics [C28-C40]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:BH25-16 8' (885-28078-28) and (CCV 885-29794/36).

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

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Released to Imaging: 11/13/2025 2:42:45 PM

Job ID: 885-28078-1

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-13 0' Lab Sample ID: 885-28078-1 Date Collected: 07/01/25 07:10

Matrix: Solid

Method: SW846 8015M/D - Ga	soline Rang	ge Organic	s (GRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/03/25 12:42	07/07/25 18:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			07/03/25 12:42	07/07/25 18:54	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/07/25 18:54	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 12:42	07/07/25 18:54	1
Toluene	ND		0.050	mg/Kg		07/03/25 12:42	07/07/25 18:54	1
Xylenes, Total	ND		0.10	mg/Kg		07/03/25 12:42	07/07/25 18:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			07/03/25 12:42	07/07/25 18:54	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/08/25 16:00	07/09/25 19:51	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/08/25 16:00	07/09/25 19:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			07/08/25 16:00	07/09/25 19:51	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/07/25 10:24	07/07/25 13:35	20

Xylenes, Total

Surrogate

Job ID: 885-28078-1

07/03/25 12:42 07/07/25 20:05

Analyzed

Prepared

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-13 1' Lab Sample ID: 885-28078-2 Date Collected: 07/01/25 07:13

Matrix: Solid

Date Received: 07/03/25 07:45

ND

%Recovery Qualifier

Method: SW846 8015M/D -	Gasoline Rang	e Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/03/25 12:42	07/07/25 20:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/07/25 20:05	1
_ Method: SW846 8021B - Vo	latile Organic (Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/07/25 20:05	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 12:42	07/07/25 20:05	1
Toluene	ND		0.050	mg/Kg		07/03/25 12:42	07/07/25 20:05	1

4-Bromofluorobenzene (Surr)	94	15 - 150			07/03/25 12:42	07/07/25 20:05	1	
Method: SW846 8015M/D - Dies	el Range Organics	(DRO) (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND	9.8	mg/Kg		07/08/25 16:00	07/09/25 20:14	1	
Motor Oil Range Organics [C28-C40]	ND	49	mg/Kg		07/08/25 16:00	07/09/25 20:14	1	

0.099

Limits

mg/Kg

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96	62 - 134	07/08/25 16:00	07/09/25 20:14	1

Method: EPA 300.0 - Anions, I	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	59	mg/Kg		07/07/25 10:24	07/07/25 14:05	20

Dil Fac

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

Client Sample ID: BH25-13 2' Lab Sample ID: 885-28078-3

Date Collected: 07/01/25 07:15

Matrix: Solid

Method: SW846 8015M/D - Ga	soline Ranc	ie Organic	s (GRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 12:42	07/07/25 21:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/03/25 12:42	07/07/25 21:16	1
- Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/07/25 21:16	1
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 12:42	07/07/25 21:16	1
Toluene	ND		0.049	mg/Kg		07/03/25 12:42	07/07/25 21:16	1
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 12:42	07/07/25 21:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/03/25 12:42	07/07/25 21:16	1
-		.						
Method: SW846 8015M/D - Die	esel Kange (Organics (DRO) (GC)					
Method: SW846 8015M/D - Die Analyte		Organics (I Qualifier	DRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
				Unit mg/Kg	<u>D</u>	Prepared 07/08/25 16:00	Analyzed 07/09/25 20:38	Dil Fac
Analyte	Result		RL		<u>D</u>			Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result ND	Qualifier	9.3	mg/Kg	<u>D</u>	07/08/25 16:00	07/09/25 20:38	Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	Result ND ND	Qualifier	9.3 46	mg/Kg	<u>D</u>	07/08/25 16:00 07/08/25 16:00	07/09/25 20:38 07/09/25 20:38 Analyzed	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result ND ND **Recovery 102	Qualifier Qualifier	9.3 46 <i>Limits</i>	mg/Kg	<u>D</u>	07/08/25 16:00 07/08/25 16:00 Prepared	07/09/25 20:38 07/09/25 20:38 Analyzed	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND WRecovery 102	Qualifier Qualifier	9.3 46 <i>Limits</i>	mg/Kg	<u>D</u>	07/08/25 16:00 07/08/25 16:00 Prepared	07/09/25 20:38 07/09/25 20:38 Analyzed	1

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Chloride

Released to Imaging: 11/13/2025 2:42:45 PM

Client Sample Results

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Lab Sample ID: 885-28078-4 Client Sample ID: BH25-13 3'

Date Collected: 07/01/25 07:17 Matrix: Solid

Method: SW846 8015M/D - Ga Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 12:42	07/07/25 21:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		15 - 150			07/03/25 12:42	07/07/25 21:40	
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/07/25 21:40	
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 12:42	07/07/25 21:40	
Toluene	ND		0.049	mg/Kg		07/03/25 12:42	07/07/25 21:40	
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 12:42	07/07/25 21:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		15 - 150			07/03/25 12:42	07/07/25 21:40	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		07/08/25 16:00	07/09/25 21:02	
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/08/25 16:00	07/09/25 21:02	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	94		62 - 134			07/08/25 16:00	07/09/25 21:02	

60

mg/Kg

ND

07/07/25 10:24 07/07/25 14:25

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-13 4'

Date Collected: 07/01/25 07:22 Date Received: 07/03/25 07:45

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C28-C40]

Released to Imaging: 11/13/2025 2:42:45 PM

Lab Sample ID: 885-28078-5

07/08/25 16:00 07/09/25 21:50

07/08/25 16:00 07/09/25 21:50

Matrix: Solid

Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
MD		4.7	mg/Kg		07/03/25 12:42	07/07/25 22:03	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
94		15 - 150			07/03/25 12:42	07/07/25 22:03	1
ND		0.023	mg/Kg		07/03/25 12:42	07/07/25 22:03	1
•	•	• •	l lmi4	_	Duamanad	Amalumad	Dil Fac
ND		0.023	mg/Kg		07/03/25 12:42	07/07/25 22:03	1
ND		0.047	mg/Kg		07/03/25 12:42	07/07/25 22:03	1
ND		0.047	mg/Kg		07/03/25 12:42	07/07/25 22:03	1
ND		0.093	mg/Kg		07/03/25 12:42	07/07/25 22:03	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
94		15 - 150			07/03/25 12:42	07/07/25 22:03	
	%Recovery 94 Platile Organic Result ND ND ND ND ND	Mecovery Qualifier 94	ND 4.7	ND 4.7 mg/Kg %Recovery Qualifier Limits 94 15 - 150 Statile Organic Compounds (GC) Result Qualifier RL Unit ND 0.023 mg/Kg ND 0.047 mg/Kg ND 0.047 mg/Kg ND 0.093 mg/Kg	ND 4.7 mg/Kg mg/Kg	ND 4.7 mg/Kg 07/03/25 12:42 %Recovery Qualifier Limits Prepared 94 15 - 150 07/03/25 12:42 Statile Organic Compounds (GC) Result Qualifier RL Unit D Prepared ND 0.023 mg/Kg 07/03/25 12:42 ND 0.047 mg/Kg 07/03/25 12:42 ND 0.047 mg/Kg 07/03/25 12:42 ND 0.093 mg/Kg 07/03/25 12:42 ND 0.093 mg/Kg 07/03/25 12:42	ND 4.7 mg/Kg 07/03/25 12:42 07/07/25 22:03

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134		07/08/25 16:00	07/09/25 21:50	1
Method: EPA 300.0 - Anions, I	on Chromat	tography					
Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
					_ <u> </u>		

9.9

50

mg/Kg

mg/Kg

ND

ND

Wiethou. LFA 300.0 - Amons, ic	iii Ciliolliatograpily						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg	_	07/07/25 10:24	07/07/25 14:34	20

Date Received: 07/03/25 07:45

4-Bromofluorobenzene (Surr)

Job ID: 885-28078-1

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Lab Sample ID: 885-28078-6 Client Sample ID: BH25-14 0' Date Collected: 07/01/25 07:30

96

Matrix: Solid

07/03/25 12:42 07/07/25 22:27

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		07/03/25 12:42	07/07/25 22:27	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			07/03/25 12:42	07/07/25 22:27	1
Method: SW846 8021B - Vo	•	•	• •					
	•	Compound Qualifier	ds (GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	•	• •	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 07/03/25 12:42		Dil Fac
Method: SW846 8021B - Vo Analyte Benzene Ethylbenzene	Result	•	RL		<u>D</u>	07/03/25 12:42		Dil Fac 1 1
Analyte Benzene	Result ND	•	RL 0.025	mg/Kg	<u>D</u>	07/03/25 12:42 07/03/25 12:42	07/07/25 22:27	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND	•	0.025 0.050	mg/Kg	<u>D</u>	07/03/25 12:42 07/03/25 12:42 07/03/25 12:42	07/07/25 22:27 07/07/25 22:27	Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.4	mg/Kg		07/08/25 16:00	07/09/25 22:14	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		07/08/25 16:00	07/09/25 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			07/08/25 16:00	07/09/25 22:14	1

15 - 150

Wethou. Li A	300.0 - Allions, ion Chioma	lography					
Analyte	Result	Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		07/07/25 10:24	07/07/25 14:44	20

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

Client Sample ID: BH25-14 1' Lab Sample ID: 885-28078-7

Date Collected: 07/01/25 07:32 Matrix: Solid

Date Received: 07/03/25 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		07/03/25 12:42	07/07/25 22:51	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/03/25 12:42	07/07/25 22:51	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/07/25 22:51	1
Ethylbenzene	ND		0.047	mg/Kg		07/03/25 12:42	07/07/25 22:51	1
Toluene	ND		0.047	mg/Kg		07/03/25 12:42	07/07/25 22:51	1
Xylenes, Total	ND		0.095	mg/Kg		07/03/25 12:42	07/07/25 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/07/25 22:51	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		07/08/25 16:00	07/09/25 22:38	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/08/25 16:00	07/09/25 22:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			07/08/25 16:00	07/09/25 22:38	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						

60

mg/Kg

ND

07/07/25 10:24 07/07/25 14:54

20

Chloride

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-14 2'

Lab Sample ID: 885-28078-8

Matrix: Solid

Date Collected: 07/01/25 07:35 Date Received: 07/03/25 07:45

Method: EPA 300.0 - Anions, Ion Chromatography

Result Qualifier

ND

Method: SW846 8015M/D - Ga	soline Rang	ge Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/03/25 12:42	07/07/25 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			07/03/25 12:42	07/07/25 23:14	1
 Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/07/25 23:14	1
Ethylbenzene	ND		0.047	mg/Kg		07/03/25 12:42	07/07/25 23:14	1
Toluene	ND		0.047	mg/Kg		07/03/25 12:42	07/07/25 23:14	1
Xylenes, Total	ND		0.095	mg/Kg		07/03/25 12:42	07/07/25 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/07/25 23:14	1
	esel Range	Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		07/08/25 16:00	07/09/25 23:02	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		07/08/25 16:00	07/09/25 23:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			07/08/25 16:00	07/09/25 23:02	1

60

Unit

mg/Kg

Prepared

07/07/25 10:24 07/07/25 15:04

Analyzed

Dil Fac

Eurofins Albuquerque

Analyte

Chloride

Prepared

07/03/25 12:42 07/07/25 23:38

Analyzed

Dil Fac

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-14 3' Lab Sample ID: 885-28078-9

Matrix: Solid

Date Collected: 07/01/25 07:37	
Date Received: 07/03/25 07:45	

Surrogate

4-Bromofluorobenzene (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/03/25 12:42	07/07/25 23:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93	Compound	15 - 150			07/03/25 12:42	07/07/25 23:38	1
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Vo Analyte	olatile Organic (Compound Qualifier		Unit	D	07/03/25 12:42 Prepared	07/07/25 23:38 Analyzed	1 Dil Fac
 Method: SW846 8021B - Vo	olatile Organic (•	ds (GC)	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared		Dil Fac
Method: SW846 8021B - Vo	platile Organic (•	ds (GC)		<u>D</u>	Prepared 07/03/25 12:42	Analyzed	1 Dil Fac 1
Method: SW846 8021B - Vo Analyte Benzene	platile Organic (Result ND	•	ds (GC) RL 0.024	mg/Kg	<u>D</u>	Prepared 07/03/25 12:42 07/03/25 12:42	Analyzed 07/07/25 23:38	1 Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		07/08/25 16:00	07/09/25 23:27	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/08/25 16:00	07/09/25 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			07/08/25 16:00	07/09/25 23:27	1

Limits

15 - 150

%Recovery Qualifier

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg	_	07/07/25 10:24	07/07/25 15:33	20

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

Client Sample ID: BH25-14 4'

Result Qualifier

ND

Lab Sample ID: 885-28078-10

Matrix: Solid

Date Collected: 07/01/25 07:40 Date Received: 07/03/25 07:45

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 12:42	07/08/25 00:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/08/25 00:02	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/08/25 00:02	1
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 00:02	1
Toluene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 00:02	1
Xylenes, Total	ND		0.098	mg/Kg		07/03/25 12:42	07/08/25 00:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 12:42	07/08/25 00:02	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/08/25 16:00	07/09/25 23:51	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/08/25 16:00	07/09/25 23:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			07/08/25 16:00	07/09/25 23:51	1

60

Unit

mg/Kg

Prepared

Analyzed

07/07/25 10:24 07/07/25 15:43

Dil Fac

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-15 0' Lab Sample ID: 885-28078-11 Date Collected: 07/01/25 07:47

Matrix: Solid

07/08/25 16:00 07/10/25 00:39

Method: SW846 8015M/D - Gas	soline Rang	je Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/03/25 12:42	07/08/25 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/08/25 00:49	1
Method: SW846 8021B - Volati	le Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/08/25 00:49	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 12:42	07/08/25 00:49	1
Toluene	ND		0.050	mg/Kg		07/03/25 12:42	07/08/25 00:49	1
Xylenes, Total	ND		0.10	mg/Kg		07/03/25 12:42	07/08/25 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 12:42	07/08/25 00:49	1
- Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	220		9.6	mg/Kg		07/08/25 16:00	07/10/25 00:39	1
Motor Oil Range Organics [C28-C40]	610		48	mg/Kg		07/08/25 16:00	07/10/25 00:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Method: EPA 300.0 - Anions, Id	on Chromat	ography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		07/07/25 10:24	07/07/25 15:53	20

62 - 134

95

Di-n-octyl phthalate (Surr)

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-15 1' Lab Sample ID: 885-28078-12 Date Collected: 07/01/25 07:51

Matrix: Solid

Date Received: 07/03/25 07:45

Method: SW846 8015M/D -	Gasoline Rang	ge Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 12:42	07/08/25 01:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			07/03/25 12:42	07/08/25 01:13	1
- Method: SW846 8021B - Vo	latile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/08/25 01:13	1
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 01:13	1
Toluene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 01:13	1
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 12:42	07/08/25 01:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 12:42	07/08/25 01:13	1
 Method: SW846 8015M/D -	Diesel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	ma/Ka		07/08/25 16:00	07/10/25 01:51	

Method: EPA 300 0 - Anions I	on Chromatography					
Surrogate Di-n-octyl phthalate (Surr)	%Recovery Qualifier 95	Limits 62 - 134		Prepared 07/08/25 16:00	Analyzed 07/10/25 01:51	Dil Fac
Motor Oil Range Organics [C28-C40]	ND	48	mg/Kg	07/08/25 16:00	07/10/25 01:51	1
Diesel Range Organics [C10-C28]	ND	9.6	mg/Kg	07/08/25 16:00	07/10/25 01:51	1

mothodi Elittoddio italiono,	ion omatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	61	mg/Kg		07/07/25 10:24	07/07/25 16:03	20

Client Sample ID: BH25-15 2'

Lab Sample ID: 885-28078-13

Matrix: Solid

Date Collected: 07/01/25 08:02 Date Received: 07/03/25 07:45

Released to Imaging: 11/13/2025 2:42:45 PM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 12:42	07/08/25 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/08/25 01:37	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/08/25 01:37	1
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 01:37	1
Toluene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 01:37	1
Xylenes, Total	ND		0.097	mg/Kg		07/03/25 12:42	07/08/25 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/08/25 01:37	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		07/08/25 16:00	07/10/25 02:15	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/08/25 16:00	07/10/25 02:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			07/08/25 16:00	07/10/25 02:15	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61	mg/Kg		07/07/25 10:24	07/07/25 16:13	20

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SDG: 25A-01218

Project/Site: Todd 24 B Federal #002 Client Sample ID: BH25-15 3'

Client: Vertex

Lab Sample ID: 885-28078-14

Matrix: Solid

Date Collected: 07/01/25 08:05 Date Received: 07/03/25 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 12:42	07/08/25 02:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			07/03/25 12:42	07/08/25 02:01	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/08/25 02:01	1
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 02:01	1
Toluene	ND		0.049	mg/Kg		07/03/25 12:42	07/08/25 02:01	1
Xylenes, Total	ND		0.097	mg/Kg		07/03/25 12:42	07/08/25 02:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			07/03/25 12:42	07/08/25 02:01	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		07/08/25 16:00	07/10/25 02:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/08/25 16:00	07/10/25 02:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			07/08/25 16:00	07/10/25 02:39	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		07/07/25 10:24	07/07/25 16:23	20

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-15 4' Lab Sample ID: 885-28078-15

Matrix: Solid

Date Collected: 07/01/25 08:08 Date Received: 07/03/25 07:45

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		07/03/25 12:42	07/08/25 02:25	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			07/03/25 12:42	07/08/25 02:25	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/08/25 02:25	1
Ethylbenzene	ND		0.048	mg/Kg		07/03/25 12:42	07/08/25 02:25	1
Toluene	ND		0.048	mg/Kg		07/03/25 12:42	07/08/25 02:25	1
Xylenes, Total	ND		0.096	mg/Kg		07/03/25 12:42	07/08/25 02:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			07/03/25 12:42	07/08/25 02:25	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		07/08/25 16:00	07/10/25 03:27	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/08/25 16:00	07/10/25 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			07/08/25 16:00	07/10/25 03:27	1

60

Unit

mg/Kg

Prepared

Analyzed

07/07/25 12:00 07/07/25 16:52

Dil Fac

20

Result Qualifier

ND

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-15 5' Lab Sample ID: 885-28078-16

Matrix: Solid

Date Collected: 07/01/25 08:12 Date Received: 07/03/25 07:45

Released to Imaging: 11/13/2025 2:42:45 PM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		07/03/25 12:42	07/08/25 02:49	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/03/25 12:42	07/08/25 02:49	1
Method: SW846 8021B - Vo Analyte	_	Compound Qualifier	ds (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	_	•	• •	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Benzene	Result ND	•	RL 0.023	mg/Kg	<u>D</u>	07/03/25 12:42	07/08/25 02:49	Dil Fac
Analyte	Result	•	RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND	•	RL 0.023	mg/Kg	<u>D</u>	07/03/25 12:42 07/03/25 12:42	07/08/25 02:49	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND	•	RL 0.023 0.047	mg/Kg	<u>D</u>	07/03/25 12:42 07/03/25 12:42	07/08/25 02:49 07/08/25 02:49 07/08/25 02:49	Dil Fac 1 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND ND	Qualifier	0.023 0.047 0.047	mg/Kg mg/Kg mg/Kg	<u>D</u>	07/03/25 12:42 07/03/25 12:42 07/03/25 12:42	07/08/25 02:49 07/08/25 02:49 07/08/25 02:49	Dil Fac 1 1 1 1 Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		07/08/25 16:00	07/10/25 03:51	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		07/08/25 16:00	07/10/25 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			07/08/25 16:00	07/10/25 03:51	1

Method: EPA 300.0 - Anions, id	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	59	mg/Kg	_	07/07/25 12:00	07/07/25 17:41	20

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

Client Sample ID: BH25-15 6' Lab Sample ID: 885-28078-17

Matrix: Solid

Date Collected: 07/01/25 08:21 Date Received: 07/03/25 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/03/25 12:42	07/08/25 03:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 12:42	07/08/25 03:13	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 12:42	07/08/25 03:13	1
Ethylbenzene	ND		0.048	mg/Kg		07/03/25 12:42	07/08/25 03:13	1
Toluene	ND		0.048	mg/Kg		07/03/25 12:42	07/08/25 03:13	1
Xylenes, Total	ND		0.097	mg/Kg		07/03/25 12:42	07/08/25 03:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			07/03/25 12:42	07/08/25 03:13	1
Method: SW846 8015M/D - Die	esel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		07/08/25 16:00	07/10/25 04:39	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		07/08/25 16:00	07/10/25 04:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			07/08/25 16:00	07/10/25 04:39	1
Method: EPA 300.0 - Anions,	on Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Client: Vertex Job ID: 885-28078-1
Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-15 7'

Lab Sample ID: 885-28078-18

Matrix: Solid

07/07/25 12:00 07/07/25 18:01

20

Date Collected: 07/01/25 08:25 Date Received: 07/03/25 07:45

Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
ND		5.0	mg/Kg		07/03/25 12:42	07/08/25 03:37	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
95		15 - 150			07/03/25 12:42	07/08/25 03:37	1
tile Organic	Compound	ds (GC)					
		RL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.025	mg/Kg		07/03/25 12:42	07/08/25 03:37	1
ND		0.050	mg/Kg		07/03/25 12:42	07/08/25 03:37	1
ND		0.050	mg/Kg		07/03/25 12:42	07/08/25 03:37	1
ND		0.10	mg/Kg		07/03/25 12:42	07/08/25 03:37	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
96		15 - 150			07/03/25 12:42	07/08/25 03:37	1
iesel Range (Organics (DRO) (GC)					
_	•	RL	Unit	D	Prepared	Analyzed	Dil Fac
ND	F1 F2	9.0	mg/Kg		07/08/25 16:00	07/10/25 05:03	1
ND		45	mg/Kg		07/08/25 16:00	07/10/25 05:03	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
98		62 - 134			07/08/25 16:00	07/10/25 05:03	1
	%Recovery 95 stile Organic Result ND ND ND ND %Recovery 96 iesel Range Result ND ND ND ND ND %Recovery	%Recovery Qualifier 95 Atile Organic Compound Result Qualifier ND ND ND ND ND ND ND ND ND ND WRecovery Qualifier 96 Gesel Range Organics (Result Qualifier ND F1 F2 ND %Recovery Qualifier ND F1 F2 ND %Recovery Qualifier	%Recovery Qualifier Limits 95 15-150 Atile Organic Compounds (GC) Result Qualifier ND 0.025 ND 0.050 ND 0.050 ND 0.10 **Recovery Qualifier Limits 96 15-150 iesel Range Organics (DRO) (GC) Result Qualifier RL ND 45 **Recovery Qualifier Limits **Recovery Qualifier Limits	ND 5.0 mg/Kg %Recovery Qualifier Limits 95 15-150 atile Organic Compounds (GC) Unit Result Qualifier RL Unit ND 0.025 mg/Kg ND 0.050 mg/Kg ND 0.10 mg/Kg %Recovery Qualifier Limits iesel Range Organics (DRO) (GC) Result Unit ND F1 F2 9.0 mg/Kg ND 45 mg/Kg %Recovery Qualifier Limits	ND 5.0 mg/Kg	ND 5.0 mg/Kg 07/03/25 12:42 %Recovery Qualifier Limits Prepared 95 15 - 150 07/03/25 12:42 Itile Organic Compounds (GC) Wesult Qualifier RL Unit D Prepared ND 0.025 mg/Kg 07/03/25 12:42 07/03/25 12:42 07/03/25 12:42 ND 0.050 mg/Kg 07/03/25 12:42 07/03/25 12:42 07/03/25 12:42 ND 0.10 mg/Kg 07/03/25 12:42 07/03/25 12:42 07/03/25 12:42 iesel Range Organics (DRO) (GC) Prepared 07/03/25 12:42 07/03/25 12:42 07/03/25 12:42 iesel Range Organics (DRO) (GC) Mesult Qualifier RL Unit D Prepared ND F1 F2 9.0 mg/Kg 07/08/25 16:00 ND 45 mg/Kg 07/08/25 16:00 %Recovery Qualifier Limits Prepared	ND 5.0 mg/Kg 07/03/25 12:42 07/08/25 03:37

60

mg/Kg

ND

Chloride

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Lab Sample ID: 885-28078-19 Client Sample ID: BH25-15 8' Date Collected: 07/01/25 08:30

Matrix: Solid

Date	Received:	07/03/25	07:45

Method: EPA 300.0 - Anions, Ion Chromatography

Result Qualifier

ND

Analyte

Chloride

Method: SW846 8015M/D - Ga	_			11	_	Duamana d	A a b a d	Dil Faa
Analyte		Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/03/25 12:42	07/08/25 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 12:42	07/08/25 04:01	1
- Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 12:42	07/08/25 04:01	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 12:42	07/08/25 04:01	1
Toluene	ND		0.050	mg/Kg		07/03/25 12:42	07/08/25 04:01	1
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 12:42	07/08/25 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			07/03/25 12:42	07/08/25 04:01	1
- Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		07/10/25 09:51	07/11/25 15:51	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/10/25 09:51	07/11/25 15:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			07/10/25 09:51	07/11/25 15:51	1

RL

59

Unit

mg/Kg

Prepared

07/07/25 12:00 07/07/25 18:11

Analyzed

Dil Fac

Date Received: 07/03/25 07:45

Surrogate

4-Bromofluorobenzene (Surr)

Job ID: 885-28078-1

Client: Vertex Project/Site: Todd 24 B Federal #002

Client Sample ID: BH25-16 0' Lab Sample ID: 885-28078-20 Date Collected: 07/01/25 11:20

Matrix: Solid

Prepared

07/03/25 12:42 07/08/25 04:24

Analyzed

Analyte	Result Qu	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND	4.9	mg/Kg		07/03/25 12:42	07/08/25 04:24	1
(GRO)-C6-C10							
Surrogate	%Recovery Qu	alifier Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Vo	97 Diatile Organic Cor	15 - 150			07/03/25 12:42	07/08/25 04:24	1
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Vo Analyte		mpounds (GC)	Unit	D	07/03/25 12:42 Prepared	07/08/25 04:24 Analyzed	1 Dil Fac
Method: SW846 8021B - Vo	olatile Organic Cor	mpounds (GC)	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared		Dil Fac
Method: SW846 8021B - Vo Analyte	platile Organic Cor Result Qu	mpounds (GC)		<u>D</u>	Prepared 07/03/25 12:42	Analyzed	Dil Fac 1
Method: SW846 8021B - Vo Analyte Benzene	platile Organic Cor Result Qu ND	mpounds (GC) lalifier RL 0.024	mg/Kg	<u>D</u>	Prepared 07/03/25 12:42 07/03/25 12:42	Analyzed 07/08/25 04:24	Dil Fac 1 1 1

Limits

15 - 150

%Recovery Qualifier

95

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6000		93	mg/Kg		07/10/25 09:51	07/11/25 16:03	10
Motor Oil Range Organics [C28-C40]	5000		470	mg/Kg		07/10/25 09:51	07/11/25 16:03	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)		S1- D	62 - 134			07/10/25 09:51	07/11/25 16:03	10

Method: EPA 300.0 - Anions, I	lon Chromatogra	ıphy					
Analyte	Result Quali	ifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800	60	mg/Kg		07/07/25 12:00	07/07/25 18:21	20

SDG: 25A-01218

Dil Fac

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-16 1' Lab Sample ID: 885-28078-21

Matrix: Solid

Date Collected: 07/01/25 11:25 Date Received: 07/03/25 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/03/25 15:59	07/07/25 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			07/03/25 15:59	07/07/25 15:18	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 15:59	07/07/25 15:18	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 15:59	07/07/25 15:18	1
Toluene	ND		0.050	mg/Kg		07/03/25 15:59	07/07/25 15:18	1
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 15:59	07/07/25 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			07/03/25 15:59	07/07/25 15:18	1
Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	440		88	mg/Kg		07/10/25 09:51	07/11/25 15:31	10
Motor Oil Range Organics [C28-C40]	1400		440	mg/Kg		07/10/25 09:51	07/11/25 15:31	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	S1- D	62 - 134			07/10/25 09:51	07/11/25 15:31	10
Method: EPA 300.0 - Anions, I	on Chromat	tography						
method. Li A 300.0 - Allions, i	• • • • • • • • • • • • • • • • • • • •							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client: Vertex Project/Site: Todd 24 B Federal #002 Job ID: 885-28078-1

SDG: 25A-01218

Client Sample ID: BH25-16 2' Date Collected: 07/01/25 11:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte

Chloride

Result Qualifier

240

Lab Sample ID: 885-28078-22

Matrix: Solid

Method: SW846 8015M/D - Ga Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/03/25 15:59	07/08/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 15:59	07/08/25 12:31	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 15:59	07/08/25 12:31	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 15:59	07/08/25 12:31	1
Toluene	ND		0.050	mg/Kg		07/03/25 15:59	07/08/25 12:31	1
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 15:59	07/08/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			07/03/25 15:59	07/08/25 12:31	1
- Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1000		96	mg/Kg		07/10/25 09:51	07/11/25 15:55	10
Motor Oil Range Organics [C28-C40]	2100		480	mg/Kg		07/10/25 09:51	07/11/25 15:55	10
0	%Recovery	Qualifior	Limits			Prepared	Analyzed	Dil Fac
Surrogate	7₀Recovery	Qualifiei	Lillits			riepaieu	Allalyzeu	Diriac

RL

60

Unit

mg/Kg

Prepared

Analyzed

07/07/25 12:00 07/07/25 18:40

Dil Fac

20

Released to Imaging: 11/13/2025 2:42:45 PM

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

Client Sample ID: BH25-16 3' Lab Sample ID: 885-28078-23

Matrix: Solid

07/07/25 12:00 07/07/25 18:50

Date Collected: 07/01/25 11:35 Date Received: 07/03/25 07:45

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		07/03/25 15:59	07/07/25 17:35	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			07/03/25 15:59	07/07/25 17:35	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/03/25 15:59	07/07/25 17:35	1
Ethylbenzene	ND		0.050	mg/Kg		07/03/25 15:59	07/07/25 17:35	1
Toluene	ND		0.050	mg/Kg		07/03/25 15:59	07/07/25 17:35	1
Xylenes, Total	ND		0.099	mg/Kg		07/03/25 15:59	07/07/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			07/03/25 15:59	07/07/25 17:35	1
Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	16		9.7	mg/Kg		07/10/25 09:51	07/14/25 13:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/10/25 09:51	07/14/25 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			07/10/25 09:51	07/14/25 13:54	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						

60

mg/Kg

440

9

5

6

8

10

11

Client Sample ID: BH25-16 4'

Lab Sample ID: 885-28078-24

. Matrix: Solid

Date Collected: 07/01/25 11:45 Date Received: 07/03/25 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/03/25 15:59	07/07/25 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			07/03/25 15:59	07/07/25 17:57	1
Method: SW846 8021B - Vo Analyte	Result	Compoune Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
	•	•		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Benzene	Result ND	•	RL 0.025	mg/Kg	<u>D</u>	07/03/25 15:59	07/07/25 17:57	Dil Fac
	Result	•	RL		<u>D</u>	07/03/25 15:59		Dil Fac
Analyte Benzene Ethylbenzene	Result ND	•	RL 0.025	mg/Kg	<u>D</u>	07/03/25 15:59 07/03/25 15:59	07/07/25 17:57	Dil Fac
Analyte Benzene	Result ND ND	•	RL 0.025 0.049	mg/Kg mg/Kg	<u>D</u>	07/03/25 15:59 07/03/25 15:59	07/07/25 17:57 07/07/25 17:57 07/07/25 17:57	Dil Fac
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND ND	Qualifier	0.025 0.049 0.049	mg/Kg mg/Kg mg/Kg	<u>D</u>	07/03/25 15:59 07/03/25 15:59 07/03/25 15:59	07/07/25 17:57 07/07/25 17:57 07/07/25 17:57	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		07/10/25 09:51	07/14/25 14:06	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		07/10/25 09:51	07/14/25 14:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			07/10/25 09:51	07/14/25 14:06	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560	60	mg/Kg	_	07/07/25 12:00	07/07/25 19:20	20

2

3

4

6

8

10

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-16 5' Lab Sample ID: 885-28078-25 Date Collected: 07/01/25 11:50

Matrix: Solid

Method: SW846 8015M/D - Ga Analyte		ge Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	<u>quamer</u>	4.9	mg/Kg	_ =	07/03/25 15:59	07/07/25 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			07/03/25 15:59	07/07/25 18:19	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/03/25 15:59	07/07/25 18:19	1
Ethylbenzene	ND		0.049	mg/Kg		07/03/25 15:59	07/07/25 18:19	1
Toluene	ND		0.049	mg/Kg		07/03/25 15:59	07/07/25 18:19	1
Xylenes, Total	ND		0.098	mg/Kg		07/03/25 15:59	07/07/25 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			07/03/25 15:59	07/07/25 18:19	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		07/10/25 09:51	07/14/25 14:18	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		07/10/25 09:51	07/14/25 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			07/10/25 09:51	07/14/25 14:18	1

RL

60

Unit

mg/Kg

Prepared

Analyzed

07/07/25 12:00 07/07/25 19:30

Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography

Result Qualifier

590

Analyte

Chloride

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-16 6' Lab Sample ID: 885-28078-26

Matrix: Solid

Date Collected: 07/01/25 11:53 Date Received: 07/03/25 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/03/25 15:59	07/07/25 18:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 15:59	07/07/25 18:40	
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.024	mg/Kg		07/03/25 15:59	07/07/25 18:40	
Ethylbenzene	ND		0.048	mg/Kg		07/03/25 15:59	07/07/25 18:40	
Toluene	ND		0.048	mg/Kg		07/03/25 15:59	07/07/25 18:40	
Xylenes, Total	ND		0.095	mg/Kg		07/03/25 15:59	07/07/25 18:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	87		15 - 150			07/03/25 15:59	07/07/25 18:40	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	11		9.5	mg/Kg		07/10/25 09:51	07/14/25 14:30	
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/10/25 09:51	07/14/25 14:30	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	92		62 - 134			07/10/25 09:51	07/14/25 14:30	
DI-II-Octyl phthalate (Gull)								
Method: EPA 300.0 - Anions, I	on Chroma	tography						
		tography Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Client Sample ID: BH25-16 7' Lab Sample ID: 885-28078-27

Matrix: Solid

Date	Collected:	07/01/25	12:00
Date	Received:	07/03/25	07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		07/03/25 15:59	07/07/25 19:02	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 15:59	07/07/25 19:02	1
Method: SW846 8021B - Vo	•		. ,	Unit	D	Prepared	Analyzed	Dil Fac
Mothod: SW846 8021B - Vo	Jatilo Organic	Compound	de (GC)					
Analyte	Result	Compound Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 07/03/25 15:59	Analyzed 07/07/25 19:02	Dil Fac
	•		. ,	mg/Kg	<u>D</u>	Prepared 07/03/25 15:59 07/03/25 15:59	Analyzed 07/07/25 19:02 07/07/25 19:02	Dil Fac
Analyte Benzene	Result ND		RL 0.023		<u>D</u>	07/03/25 15:59	07/07/25 19:02	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND		RL 0.023 0.047	mg/Kg mg/Kg	<u>D</u>	07/03/25 15:59 07/03/25 15:59 07/03/25 15:59	07/07/25 19:02 07/07/25 19:02	Dil Fac 1 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND	Qualifier	0.023 0.047 0.047	mg/Kg mg/Kg mg/Kg	<u>D</u>	07/03/25 15:59 07/03/25 15:59 07/03/25 15:59	07/07/25 19:02 07/07/25 19:02 07/07/25 19:02	Dil Fac 1 1 1 1 Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/10/25 09:51	07/11/25 16:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/10/25 09:51	07/11/25 16:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			07/10/25 09:51	07/11/25 16:19	1

Wiethou. LFA 300.0 - Amons, it	ii Ciii Oilialograpiiy						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170	61	mg/Kg	_	07/07/25 12:00	07/07/25 19:49	20

Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

Lab Sample ID: 885-28078-28 Client Sample ID: BH25-16 8' Date Collected: 07/01/25 12:03

Matrix: Solid

Date Received: 07/03/25 07:45

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/03/25 15:59	07/07/25 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/03/25 15:59	07/07/25 19:24	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/03/25 15:59	07/07/25 19:24	1
Ethylbenzene	ND		0.047	mg/Kg		07/03/25 15:59	07/07/25 19:24	1
Toluene	ND		0.047	mg/Kg		07/03/25 15:59	07/07/25 19:24	1
Xylenes, Total	ND		0.093	mg/Kg		07/03/25 15:59	07/07/25 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			07/03/25 15:59	07/07/25 19:24	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F1	9.2	mg/Kg		07/09/25 11:07	07/09/25 19:40	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/09/25 11:07	07/09/25 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			07/09/25 11:07	07/09/25 19:40	

RL

60

Unit

mg/Kg

Prepared

Analyzed

07/07/25 12:00 07/07/25 19:59

Dil Fac

Result Qualifier

QC Sample Results

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002

SDG: 25A-01218

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

Lab Sample ID: MB 885-29539/1-A Client Sample ID: Method Blank **Prep Type: Total/NA Matrix: Solid Analysis Batch: 29661** Prep Batch: 29539 MB MB

Result Qualifier RL Unit D Analyzed Dil Fac Analyte Prepared 07/03/25 12:42 07/07/25 18:31 Gasoline Range Organics ND 5.0 mg/Kg

(GRO)-C6-C10

MB MB Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 15 - 150 07/03/25 12:42 07/07/25 18:31 4-Bromofluorobenzene (Surr) 97

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-29539/2-A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 29661

Prep Batch: 29539 LCS LCS Spike %Rec Added Unit D Limits

Analyte Result Qualifier %Rec Gasoline Range Organics 25.0 29.9 mg/Kg 120 70 - 130

(GRO)-C6-C10

LCS LCS

%Recovery Qualifier I imite Surrogate 15 - 150 4-Bromofluorobenzene (Surr) 203

Lab Sample ID: 885-28078-1 MS Client Sample ID: BH25-13 0' Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 29661

Sample Sample Spike MS MS %Rec **Analyte** Result Qualifier Added Result Qualifier Unit %Rec Limits

Gasoline Range Organics ND 24.9 27.2 mg/Kg 109 70 - 130

(GRO)-C6-C10

MS MS %Recovery Qualifier Limits Surrogate

4-Bromofluorobenzene (Surr) 192 15 - 150

Lab Sample ID: 885-28078-1 MSD Client Sample ID: BH25-13 0'

Matrix: Solid

Analysis Batch: 29661

MSD MSD %Rec Sample Sample Spike **RPD** Analyte Result Qualifier Added Result Qualifier Limits RPD Limit Unit D %Rec Gasoline Range Organics ND 24.9 25.0 100 70 - 130 20 mg/Kg

(GRO)-C6-C10

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 193 15 - 150

Lab Sample ID: MB 885-29551/1-A **Client Sample ID: Method Blank**

Matrix: Solid

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Analysis Batch: 29611 MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 5.0 07/03/25 15:59 07/07/25 14:56 Gasoline Range Organics ND mg/Kg

(GRO)-C6-C10

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Prep Type: Total/NA

Prep Batch: 29539

Prep Batch: 29539

Prep Type: Total/NA Prep Batch: 29551

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

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

Lab Sample ID: MB 885-29551/1-A

Matrix: Solid

Analysis Batch: 29611

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29551

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 07/03/25 15:59 07/07/25 14:56 4-Bromofluorobenzene (Surr) 102 15 - 150

Lab Sample ID: LCS 885-29551/2-A

Matrix: Solid

Analysis Batch: 29611

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 29551

%Rec

Limits

Spike Added Result Qualifier **Analyte** Unit %Rec 25.0 70 - 130 Gasoline Range Organics 27.6 mg/Kg 110

(GRO)-C6-C10

LCS LCS

%Recovery Qualifier Limits Surrogate 15 - 150 4-Bromofluorobenzene (Surr) 213

Lab Sample ID: 885-28078-21 MS Client Sample ID: BH25-16 1'

Matrix: Solid

Analysis Batch: 29611

Prep Type: Total/NA Prep Batch: 29551

LCS LCS

MS MS Sample Sample Spike %Rec Result Qualifier Added Limits Analyte Result Qualifier Unit %Rec Gasoline Range Organics ND 24.8 24.4 mg/Kg 98 70 - 130

(GRO)-C6-C10

MS MS

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr) 197 15 - 150

Lab Sample ID: 885-28078-21 MSD

Matrix: Solid

Analysis Batch: 29611

Client Sample ID: BH25-16 1' **Prep Type: Total/NA** Prep Batch: 29551

mg/Kg

109

70 - 130

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit

26.9

Gasoline Range Organics ND (GRO)-C6-C10

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 206 15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-29539/1-A **Client Sample ID: Method Blank Matrix: Solid** Prep Type: Total/NA

24.8

Analysis Batch: 29662

Released to Imaging: 11/13/2025 2:42:45 PM

MB MB Analyte Result Qualifier Unit D Dil Fac RL Prepared Analyzed ND 0.025 07/03/25 12:42 07/07/25 18:31 Benzene mg/Kg ND 0.050 07/03/25 12:42 07/07/25 18:31 Ethylbenzene mg/Kg Toluene ND 0.050 mg/Kg 07/03/25 12:42 07/07/25 18:31 ND 07/03/25 12:42 07/07/25 18:31 Xylenes, Total 0.10 mg/Kg

Eurofins Albuquerque

Prep Batch: 29539

10

Project/Site: Todd 24 B Federal #002

Client: Vertex

Job ID: 885-28078-1 SDG: 25A-01218

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

Lab Sample ID: MB 885-29539/1-A

Matrix: Solid

Analysis Batch: 29662

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29539

MB MB

Limits Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 07/03/25 12:42 07/07/25 18:31 4-Bromofluorobenzene (Surr) 94 15 - 150

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 885-29539/3-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 29662** Prep Batch: 29539 %Rec Snika ICS ICS

	Opinio	_00	_00				/01100	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	1.02		mg/Kg		102	70 - 130	
Ethylbenzene	1.00	0.985		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	2.00	2.10		mg/Kg		105	70 - 130	
o-Xylene	1.00	1.02		mg/Kg		102	70 - 130	
Toluene	1.00	1.01		mg/Kg		101	70 - 130	

LCS LCS

%Recovery Qualifier Limits Surrogate 15 - 150 4-Bromofluorobenzene (Surr) 96

Lab Sample ID: 885-28078-2 MS Client Sample ID: BH25-13 1'

Matrix: Solid

Analysis Batch: 29662

Prep Type: Total/NA

Prep Batch: 29539

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.996	0.952		mg/Kg		96	70 - 130	
Ethylbenzene	ND		0.996	0.924		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	ND		1.99	1.94		mg/Kg		98	70 - 130	
o-Xylene	ND		0.996	0.937		mg/Kg		94	70 - 130	
Toluene	ND		0.996	0.933		mg/Kg		94	70 - 130	

MS MS

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

Lab Sample ID: 885-28078-2 MSD

Matrix: Solid

Analysis Batch: 29662

Client Sample ID: BH25-13 1' Prep Type: Total/NA

Prep Batch: 29539

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.997	0.949		mg/Kg		95	70 - 130	0	20
Ethylbenzene	ND		0.997	0.920		mg/Kg		92	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.99	1.96		mg/Kg		98	70 - 130	1	20
o-Xylene	ND		0.997	0.926		mg/Kg		93	70 - 130	1	20
Toluene	ND		0.997	0.944		mg/Kg		95	70 - 130	1	20

MSD MSD Surrogate %Recovery Qualifier Limits 15 - 150 4-Bromofluorobenzene (Surr) 94

6

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

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

Lab Sample ID: MB 885-29551/1-A

Matrix: Solid

Analysis Batch: 29610

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29551

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene ND 0.025 mg/Kg 07/03/25 15:59 07/07/25 14:56 Ethylbenzene ND 0.050 mg/Kg 07/03/25 15:59 07/07/25 14:56 ND mg/Kg 07/07/25 14:56 Toluene 0.050 07/03/25 15:59 Xylenes, Total ND mg/Kg 07/03/25 15:59 07/07/25 14:56 0.10

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 07/03/25 15:59 07/07/25 14:56 4-Bromofluorobenzene (Surr) 92 15 - 150

Lab Sample ID: LCS 885-29551/3-A

Matrix: Solid

Analysis Batch: 29610

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

Prep Batch: 29551

Spike LCS LCS %Rec Added %Rec Limits Analyte Result Qualifier Unit D Benzene 1.00 0.985 mg/Kg 99 70 - 130Ethylbenzene 1.00 0.993 mg/Kg 99 70 - 130 2.00 m-Xylene & p-Xylene 2.02 mg/Kg 101 70 - 130 o-Xylene 1.00 1.02 mg/Kg 102 70 - 130 Toluene 70 - 130 1.00 0.975 mg/Kg 97

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 93 15 - 150

Lab Sample ID: 885-28078-22 MS

Matrix: Solid

Analysis Batch: 29689

Client Sample ID: BH25-16 2'

Prep Type: Total/NA

Prep Batch: 29551

Sample Sample MS MS %Rec Spike Analyte Qualifier Added Result Qualifier Unit %Rec Limits Result ND 90 Benzene 0.996 0.892 70 - 130 mg/Kg Ethylbenzene ND 0.996 0.889 89 70 - 130 mg/Kg m-Xylene & p-Xylene ND 1.78 89 70 - 130 1.99 mg/Kg o-Xylene ND 0.996 0.882 mg/Kg 89 70 - 130 Toluene ND 0.996 0.857 mg/Kg 86 70 - 130

> MS MS

Qualifier Surrogate %Recovery Limits 4-Bromofluorobenzene (Surr) 90 15 - 150

Lab Sample ID: 885-28078-22 MSD

Matrix: Solid

Analysis Batch: 29689

Client Sample ID: BH25-16 2'

Prep Type: Total/NA

Prep Batch: 29551

Alialysis Dalcii. 23003									Liehr	Jaicii. 2	19001
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.998	0.897		mg/Kg		90	70 - 130	1	20
Ethylbenzene	ND		0.998	0.878		mg/Kg		88	70 - 130	1	20
m-Xylene & p-Xylene	ND		2.00	1.76		mg/Kg		88	70 - 130	1	20
o-Xylene	ND		0.998	0.883		mg/Kg		88	70 - 130	0	20
Toluene	ND		0.998	0.880		mg/Kg		88	70 - 130	3	20

Project/Site: Todd 24 B Federal #002

Job ID: 885-28078-1

SDG: 25A-01218

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

Lab Sample ID: 885-28078-22 MSD Client Sample ID: BH25-16 2'

Matrix: Solid

Client: Vertex

Analysis Batch: 29689

Prep Type: Total/NA

Prep Batch: 29551

MSD MSD

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 91 15 - 150

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

Lab Sample ID: MB 885-29732/1-A Client Sample ID: Method Blank

Analysis Batch: 29757

Matrix: Solid Prep Type: Total/NA

Prep Batch: 29732

MB MB Analyte Result Qualifier RL Unit **Prepared** Analyzed Dil Fac Diesel Range Organics [C10-C28] 10 07/08/25 16:00 07/09/25 18:15 ND mg/Kg Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 07/08/25 16:00 07/09/25 18:15

MB MB

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 07/08/25 16:00 07/09/25 18:15 Di-n-octyl phthalate (Surr) 62 - 134 91

Lab Sample ID: LCS 885-29732/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 29757

Prep Batch: 29732 Spike LCS LCS %Rec

Added Result Qualifier Limits Analyte Unit D %Rec Diesel Range Organics 50.0 48.5 mg/Kg 97 51 - 148

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 92 62 - 134

Lab Sample ID: 885-28078-18 MS Client Sample ID: BH25-15 7'

Matrix: Solid

Analysis Batch: 29757

Prep Type: Total/NA Prep Batch: 29732 Spike MS MS %Rec Sample Sample

Result Qualifier Added Result Qualifier D %Rec Limits Analyte Unit ND F1 F2 **Diesel Range Organics** 43.0 176 44 - 136 75.7 F1 mg/Kg

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 175 S1+ 62 - 134

Lab Sample ID: 885-28078-18 MSD Client Sample ID: BH25-15 7'

Matrix: Solid

Analysis Batch: 29757

Prep Type: Total/NA Prep Batch: 29732

%Rec RPD

MSD MSD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Diesel Range Organics F1 F2 ND 43.4 40.5 F2 mg/Kg 93 44 - 136 61

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits 62 - 134 Di-n-octyl phthalate (Surr) 93

QC Sample Results

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

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

Lab Sample ID: MB 885-29780/1-A

Lab Sample ID: LCS 885-29780/2-A

Matrix: Solid

Analysis Batch: 29794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29780

MB MB Result Qualifier RL Unit Analyzed Dil Fac Analyte **Prepared** 07/09/25 11:07 07/09/25 17:36 Diesel Range Organics [C10-C28] ND 10 mg/Kg Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 07/09/25 11:07 07/09/25 17:36

MB MB

Surrogate %Recovery Qualifier I imite Prepared Analyzed Dil Fac Di-n-octyl phthalate (Surr) 81 62 - 134 07/09/25 11:07 07/09/25 17:36

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29780

Spike LCS LCS %Rec Added Result Qualifier Limits Unit %Rec Analyte D 50.0 **Diesel Range Organics** 43.5 mg/Kg 87 51 - 148

[C10-C28]

Matrix: Solid

Analysis Batch: 29794

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 84 62 - 134

Lab Sample ID: 885-28078-28 MS Client Sample ID: BH25-16 8'

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 29794 Prep Batch: 29780 %Rec Sample Sample Spike MS MS

Analyte Result Qualifier Added Result Qualifier Unit Limits D %Rec Diesel Range Organics ND F1 46.3 93 44 - 136 43.1 mg/Kg

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 62 - 134 78

Lab Sample ID: 885-28078-28 MSD Client Sample ID: BH25-16 8'

Matrix: Solid

Matrix: Solid

Analysis Batch: 29794

Prep Batch: 29780 Spike MSD MSD %Rec **RPD** Sample Sample Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit ND F1 47.4 Diesel Range Organics 43.7 mg/Kg 44 - 136

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 62 - 134 82

Lab Sample ID: MB 885-29872/1-A

Analysis Batch: 29972

MB MB

Result Qualifier RL Unit Prepared Analyzed Diesel Range Organics [C10-C28] ND 10 mg/Kg 07/10/25 09:51 07/11/25 15:29 Motor Oil Range Organics [C28-C40] ND 50 07/10/25 09:51 07/11/25 15:29 mg/Kg 1

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Prep Type: Total/NA Prep Batch: 29872

Client Sample ID: Method Blank

Prep Type: Total/NA

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Project/Site: Todd 24 B Federal #002

Job ID: 885-28078-1

SDG: 25A-01218

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

Lab Sample ID: MB 885-29872/1-A **Matrix: Solid**

Lab Sample ID: LCS 885-29872/2-A

Analysis Batch: 29972

Analysis Batch: 29972

Diesel Range Organics

Client: Vertex

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29872

MB MB

Limits Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 62 - 134 07/10/25 09:51 07/11/25 15:29 Di-n-octyl phthalate (Surr) 84

45.4

mg/Kg

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

91

Prep Batch: 29872

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29600

Prep Type: Total/NA

Prep Batch: 29584

Prep Batch: 29584

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec 50.0 51 - 148

[C10-C28]

Matrix: Solid

LCS LCS

%Recovery Qualifier Limits Surrogate 62 - 134 Di-n-octyl phthalate (Surr) 82

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-29584/1-A

Matrix: Solid

Analysis Batch: 29591

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared 07/07/25 10:24 07/07/25 11:37 Chloride ND 1.5 mg/Kg

Lab Sample ID: LCS 885-29584/2-A

Matrix: Solid

Analysis Batch: 29591

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit D %Rec Chloride 15.0 14.6 mg/Kg 97 90 - 110

Lab Sample ID: MB 885-29600/1-A

Matrix: Solid

Analysis Batch: 29591

MB MB

Unit Analyte Result Qualifier RL Prepared Analyzed Dil Fac Chloride $\overline{\mathsf{ND}}$ 1.5 07/07/25 12:00 07/07/25 16:32 mg/Kg

Lab Sample ID: LCS 885-29600/2-A

Matrix: Solid

Chloride

Analysis Batch: 29591 Analyte

Prep Batch: 29600 Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits 15.0 14.9 99 90 - 110 mg/Kg

QC Association Summary

Client: Vertex
Project/Site: Todd 24 B Federal #002

Job ID: 885-28078-1 SDG: 25A-01218

GC VOA

Prep Batch: 29539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	5030C	
885-28078-2	BH25-13 1'	Total/NA	Solid	5030C	
885-28078-3	BH25-13 2'	Total/NA	Solid	5030C	
885-28078-4	BH25-13 3'	Total/NA	Solid	5030C	
885-28078-5	BH25-13 4'	Total/NA	Solid	5030C	
885-28078-6	BH25-14 0'	Total/NA	Solid	5030C	
885-28078-7	BH25-14 1'	Total/NA	Solid	5030C	
885-28078-8	BH25-14 2'	Total/NA	Solid	5030C	
885-28078-9	BH25-14 3'	Total/NA	Solid	5030C	
885-28078-10	BH25-14 4'	Total/NA	Solid	5030C	
885-28078-11	BH25-15 0'	Total/NA	Solid	5030C	
885-28078-12	BH25-15 1'	Total/NA	Solid	5030C	
885-28078-13	BH25-15 2'	Total/NA	Solid	5030C	
885-28078-14	BH25-15 3'	Total/NA	Solid	5030C	
885-28078-15	BH25-15 4'	Total/NA	Solid	5030C	
885-28078-16	BH25-15 5'	Total/NA	Solid	5030C	
885-28078-17	BH25-15 6'	Total/NA	Solid	5030C	
885-28078-18	BH25-15 7'	Total/NA	Solid	5030C	
885-28078-19	BH25-15 8'	Total/NA	Solid	5030C	
885-28078-20	BH25-16 0'	Total/NA	Solid	5030C	
MB 885-29539/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-29539/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-29539/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-28078-1 MS	BH25-13 0'	Total/NA	Solid	5030C	
885-28078-1 MSD	BH25-13 0'	Total/NA	Solid	5030C	
885-28078-2 MS	BH25-13 1'	Total/NA	Solid	5030C	
885-28078-2 MSD	BH25-13 1'	Total/NA	Solid	5030C	

Prep Batch: 29551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-21	BH25-16 1'	Total/NA	Solid	5030C	
885-28078-22	BH25-16 2'	Total/NA	Solid	5030C	
885-28078-23	BH25-16 3'	Total/NA	Solid	5030C	
885-28078-24	BH25-16 4'	Total/NA	Solid	5030C	
885-28078-25	BH25-16 5'	Total/NA	Solid	5030C	
885-28078-26	BH25-16 6'	Total/NA	Solid	5030C	
885-28078-27	BH25-16 7'	Total/NA	Solid	5030C	
885-28078-28	BH25-16 8'	Total/NA	Solid	5030C	
MB 885-29551/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-29551/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-29551/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-28078-21 MS	BH25-16 1'	Total/NA	Solid	5030C	
885-28078-21 MSD	BH25-16 1'	Total/NA	Solid	5030C	
885-28078-22 MS	BH25-16 2'	Total/NA	Solid	5030C	
885-28078-22 MSD	BH25-16 2'	Total/NA	Solid	5030C	

Analysis Batch: 29610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-21	BH25-16 1'	Total/NA	Solid	8021B	29551
885-28078-23	BH25-16 3'	Total/NA	Solid	8021B	29551
885-28078-24	BH25-16 4'	Total/NA	Solid	8021B	29551

Eurofins Albuquerque

QC Association Summary

Client: Vertex Job ID: 885-28078-1
Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

GC VOA (Continued)

Analysis Batch: 29610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-25	BH25-16 5'	Total/NA	Solid	8021B	29551
885-28078-26	BH25-16 6'	Total/NA	Solid	8021B	29551
885-28078-27	BH25-16 7'	Total/NA	Solid	8021B	29551
885-28078-28	BH25-16 8'	Total/NA	Solid	8021B	29551
MB 885-29551/1-A	Method Blank	Total/NA	Solid	8021B	29551
LCS 885-29551/3-A	Lab Control Sample	Total/NA	Solid	8021B	29551

Analysis Batch: 29611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-21	BH25-16 1'	Total/NA	Solid	8015M/D	29551
885-28078-23	BH25-16 3'	Total/NA	Solid	8015M/D	29551
885-28078-24	BH25-16 4'	Total/NA	Solid	8015M/D	29551
885-28078-25	BH25-16 5'	Total/NA	Solid	8015M/D	29551
885-28078-26	BH25-16 6'	Total/NA	Solid	8015M/D	29551
885-28078-27	BH25-16 7'	Total/NA	Solid	8015M/D	29551
885-28078-28	BH25-16 8'	Total/NA	Solid	8015M/D	29551
MB 885-29551/1-A	Method Blank	Total/NA	Solid	8015M/D	29551
LCS 885-29551/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	29551
885-28078-21 MS	BH25-16 1'	Total/NA	Solid	8015M/D	29551
885-28078-21 MSD	BH25-16 1'	Total/NA	Solid	8015M/D	29551

Analysis Batch: 29661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	8015M/D	29539
885-28078-2	BH25-13 1'	Total/NA	Solid	8015M/D	29539
885-28078-3	BH25-13 2'	Total/NA	Solid	8015M/D	29539
885-28078-4	BH25-13 3'	Total/NA	Solid	8015M/D	29539
885-28078-5	BH25-13 4'	Total/NA	Solid	8015M/D	29539
885-28078-6	BH25-14 0'	Total/NA	Solid	8015M/D	29539
885-28078-7	BH25-14 1'	Total/NA	Solid	8015M/D	29539
885-28078-8	BH25-14 2'	Total/NA	Solid	8015M/D	29539
885-28078-9	BH25-14 3'	Total/NA	Solid	8015M/D	29539
885-28078-10	BH25-14 4'	Total/NA	Solid	8015M/D	29539
885-28078-11	BH25-15 0'	Total/NA	Solid	8015M/D	29539
885-28078-12	BH25-15 1'	Total/NA	Solid	8015M/D	29539
885-28078-13	BH25-15 2'	Total/NA	Solid	8015M/D	29539
885-28078-14	BH25-15 3'	Total/NA	Solid	8015M/D	29539
885-28078-15	BH25-15 4'	Total/NA	Solid	8015M/D	29539
885-28078-16	BH25-15 5'	Total/NA	Solid	8015M/D	29539
885-28078-17	BH25-15 6'	Total/NA	Solid	8015M/D	29539
885-28078-18	BH25-15 7'	Total/NA	Solid	8015M/D	29539
885-28078-19	BH25-15 8'	Total/NA	Solid	8015M/D	29539
885-28078-20	BH25-16 0'	Total/NA	Solid	8015M/D	29539
MB 885-29539/1-A	Method Blank	Total/NA	Solid	8015M/D	29539
LCS 885-29539/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	29539
885-28078-1 MS	BH25-13 0'	Total/NA	Solid	8015M/D	29539
885-28078-1 MSD	BH25-13 0'	Total/NA	Solid	8015M/D	29539

Analysis Batch: 29662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	8021B	29539

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QC Association Summary

Job ID: 885-28078-1 Client: Vertex SDG: 25A-01218 Project/Site: Todd 24 B Federal #002

GC VOA (Continued)

Analysis Batch: 29662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-2	BH25-13 1'	Total/NA	Solid	8021B	29539
885-28078-3	BH25-13 2'	Total/NA	Solid	8021B	29539
885-28078-4	BH25-13 3'	Total/NA	Solid	8021B	29539
885-28078-5	BH25-13 4'	Total/NA	Solid	8021B	29539
885-28078-6	BH25-14 0'	Total/NA	Solid	8021B	29539
885-28078-7	BH25-14 1'	Total/NA	Solid	8021B	29539
885-28078-8	BH25-14 2'	Total/NA	Solid	8021B	29539
885-28078-9	BH25-14 3'	Total/NA	Solid	8021B	29539
885-28078-10	BH25-14 4'	Total/NA	Solid	8021B	29539
885-28078-11	BH25-15 0'	Total/NA	Solid	8021B	29539
885-28078-12	BH25-15 1'	Total/NA	Solid	8021B	29539
885-28078-13	BH25-15 2'	Total/NA	Solid	8021B	29539
885-28078-14	BH25-15 3'	Total/NA	Solid	8021B	29539
885-28078-15	BH25-15 4'	Total/NA	Solid	8021B	29539
885-28078-16	BH25-15 5'	Total/NA	Solid	8021B	29539
885-28078-17	BH25-15 6'	Total/NA	Solid	8021B	29539
885-28078-18	BH25-15 7'	Total/NA	Solid	8021B	29539
885-28078-19	BH25-15 8'	Total/NA	Solid	8021B	29539
885-28078-20	BH25-16 0'	Total/NA	Solid	8021B	29539
MB 885-29539/1-A	Method Blank	Total/NA	Solid	8021B	29539
LCS 885-29539/3-A	Lab Control Sample	Total/NA	Solid	8021B	29539
885-28078-2 MS	BH25-13 1'	Total/NA	Solid	8021B	29539
885-28078-2 MSD	BH25-13 1'	Total/NA	Solid	8021B	29539

Analysis Batch: 29688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-22	BH25-16 2'	Total/NA	Solid	8015M/D	29551

Analysis Batch: 29689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-22	BH25-16 2'	Total/NA	Solid	8021B	29551
885-28078-22 MS	BH25-16 2'	Total/NA	Solid	8021B	29551
885-28078-22 MSD	BH25-16 2'	Total/NA	Solid	8021B	29551

GC Semi VOA

Prep Batch: 29732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	SHAKE	<u> </u>
885-28078-2	BH25-13 1'	Total/NA	Solid	SHAKE	
885-28078-3	BH25-13 2'	Total/NA	Solid	SHAKE	
885-28078-4	BH25-13 3'	Total/NA	Solid	SHAKE	
885-28078-5	BH25-13 4'	Total/NA	Solid	SHAKE	
885-28078-6	BH25-14 0'	Total/NA	Solid	SHAKE	
885-28078-7	BH25-14 1'	Total/NA	Solid	SHAKE	
885-28078-8	BH25-14 2'	Total/NA	Solid	SHAKE	
885-28078-9	BH25-14 3'	Total/NA	Solid	SHAKE	
885-28078-10	BH25-14 4'	Total/NA	Solid	SHAKE	
885-28078-11	BH25-15 0'	Total/NA	Solid	SHAKE	
885-28078-12	BH25-15 1'	Total/NA	Solid	SHAKE	
885-28078-13	BH25-15 2'	Total/NA	Solid	SHAKE	

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

GC Semi VOA (Continued)

Prep Batch: 29732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-14	BH25-15 3'	Total/NA	Solid	SHAKE	
885-28078-15	BH25-15 4'	Total/NA	Solid	SHAKE	
885-28078-16	BH25-15 5'	Total/NA	Solid	SHAKE	
885-28078-17	BH25-15 6'	Total/NA	Solid	SHAKE	
885-28078-18	BH25-15 7'	Total/NA	Solid	SHAKE	
MB 885-29732/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-29732/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-28078-18 MS	BH25-15 7'	Total/NA	Solid	SHAKE	
885-28078-18 MSD	BH25-15 7'	Total/NA	Solid	SHAKE	

Analysis Batch: 29757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	8015M/D	29732
885-28078-2	BH25-13 1'	Total/NA	Solid	8015M/D	29732
885-28078-3	BH25-13 2'	Total/NA	Solid	8015M/D	29732
885-28078-4	BH25-13 3'	Total/NA	Solid	8015M/D	29732
885-28078-5	BH25-13 4'	Total/NA	Solid	8015M/D	29732
885-28078-6	BH25-14 0'	Total/NA	Solid	8015M/D	29732
885-28078-7	BH25-14 1'	Total/NA	Solid	8015M/D	29732
885-28078-8	BH25-14 2'	Total/NA	Solid	8015M/D	29732
885-28078-9	BH25-14 3'	Total/NA	Solid	8015M/D	29732
885-28078-10	BH25-14 4'	Total/NA	Solid	8015M/D	29732
885-28078-11	BH25-15 0'	Total/NA	Solid	8015M/D	29732
885-28078-12	BH25-15 1'	Total/NA	Solid	8015M/D	29732
885-28078-13	BH25-15 2'	Total/NA	Solid	8015M/D	29732
885-28078-14	BH25-15 3'	Total/NA	Solid	8015M/D	29732
885-28078-15	BH25-15 4'	Total/NA	Solid	8015M/D	29732
885-28078-16	BH25-15 5'	Total/NA	Solid	8015M/D	29732
885-28078-17	BH25-15 6'	Total/NA	Solid	8015M/D	29732
885-28078-18	BH25-15 7'	Total/NA	Solid	8015M/D	29732
MB 885-29732/1-A	Method Blank	Total/NA	Solid	8015M/D	29732
LCS 885-29732/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	29732
885-28078-18 MS	BH25-15 7'	Total/NA	Solid	8015M/D	29732
885-28078-18 MSD	BH25-15 7'	Total/NA	Solid	8015M/D	29732

Prep Batch: 29780

Lab Sample ID 885-28078-28	Client Sample ID BH25-16 8'	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
MB 885-29780/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-29780/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-28078-28 MS	BH25-16 8'	Total/NA	Solid	SHAKE	
885-28078-28 MSD	BH25-16 8'	Total/NA	Solid	SHAKE	

Analysis Batch: 29794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-28	BH25-16 8'	Total/NA	Solid	8015M/D	29780
MB 885-29780/1-A	Method Blank	Total/NA	Solid	8015M/D	29780
LCS 885-29780/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	29780
885-28078-28 MS	BH25-16 8'	Total/NA	Solid	8015M/D	29780
885-28078-28 MSD	BH25-16 8'	Total/NA	Solid	8015M/D	29780

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Client: Vertex Job ID: 885-28078-1
Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

GC Semi VOA

Prep Batch: 29872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-19	BH25-15 8'	Total/NA	Solid	SHAKE	_
885-28078-20	BH25-16 0'	Total/NA	Solid	SHAKE	
885-28078-21	BH25-16 1'	Total/NA	Solid	SHAKE	
885-28078-22	BH25-16 2'	Total/NA	Solid	SHAKE	
885-28078-23	BH25-16 3'	Total/NA	Solid	SHAKE	
885-28078-24	BH25-16 4'	Total/NA	Solid	SHAKE	
885-28078-25	BH25-16 5'	Total/NA	Solid	SHAKE	
885-28078-26	BH25-16 6'	Total/NA	Solid	SHAKE	
885-28078-27	BH25-16 7'	Total/NA	Solid	SHAKE	
MB 885-29872/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-29872/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 29965

Lab Sample ID 885-28078-21	Client Sample ID BH25-16 1'	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 29872
885-28078-22	BH25-16 2'	Total/NA	Solid	8015M/D	29872
885-28078-27	BH25-16 7'	Total/NA	Solid	8015M/D	29872

Analysis Batch: 29972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-19	BH25-15 8'	Total/NA	Solid	8015M/D	29872
885-28078-20	BH25-16 0'	Total/NA	Solid	8015M/D	29872
MB 885-29872/1-A	Method Blank	Total/NA	Solid	8015M/D	29872
LCS 885-29872/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	29872

Analysis Batch: 30041

Lab Sample ID 885-28078-23	Client Sample ID BH25-16 3'	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 29872
885-28078-24	BH25-16 4'	Total/NA	Solid	8015M/D	29872
885-28078-25	BH25-16 5'	Total/NA	Solid	8015M/D	29872
885-28078-26	BH25-16 6'	Total/NA	Solid	8015M/D	29872

HPLC/IC

Prep Batch: 29584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	300_Prep	
885-28078-2	BH25-13 1'	Total/NA	Solid	300_Prep	
885-28078-3	BH25-13 2'	Total/NA	Solid	300_Prep	
885-28078-4	BH25-13 3'	Total/NA	Solid	300_Prep	
885-28078-5	BH25-13 4'	Total/NA	Solid	300_Prep	
885-28078-6	BH25-14 0'	Total/NA	Solid	300_Prep	
885-28078-7	BH25-14 1'	Total/NA	Solid	300_Prep	
885-28078-8	BH25-14 2'	Total/NA	Solid	300_Prep	
885-28078-9	BH25-14 3'	Total/NA	Solid	300_Prep	
885-28078-10	BH25-14 4'	Total/NA	Solid	300_Prep	
885-28078-11	BH25-15 0'	Total/NA	Solid	300_Prep	
885-28078-12	BH25-15 1'	Total/NA	Solid	300_Prep	
885-28078-13	BH25-15 2'	Total/NA	Solid	300_Prep	
885-28078-14	BH25-15 3'	Total/NA	Solid	300_Prep	
MB 885-29584/1-A	Method Blank	Total/NA	Solid	300 Prep	

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Page 45 of 61

Client: Vertex Job ID: 885-28078-1 Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

HPLC/IC (Continued)

Prep Batch: 29584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-29584/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 29591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-1	BH25-13 0'	Total/NA	Solid	300.0	29584
885-28078-2	BH25-13 1'	Total/NA	Solid	300.0	29584
885-28078-3	BH25-13 2'	Total/NA	Solid	300.0	29584
885-28078-4	BH25-13 3'	Total/NA	Solid	300.0	29584
885-28078-5	BH25-13 4'	Total/NA	Solid	300.0	29584
885-28078-6	BH25-14 0'	Total/NA	Solid	300.0	29584
885-28078-7	BH25-14 1'	Total/NA	Solid	300.0	29584
885-28078-8	BH25-14 2'	Total/NA	Solid	300.0	29584
885-28078-9	BH25-14 3'	Total/NA	Solid	300.0	29584
885-28078-10	BH25-14 4'	Total/NA	Solid	300.0	29584
885-28078-11	BH25-15 0'	Total/NA	Solid	300.0	29584
885-28078-12	BH25-15 1'	Total/NA	Solid	300.0	29584
885-28078-13	BH25-15 2'	Total/NA	Solid	300.0	29584
885-28078-14	BH25-15 3'	Total/NA	Solid	300.0	29584
885-28078-15	BH25-15 4'	Total/NA	Solid	300.0	29600
885-28078-16	BH25-15 5'	Total/NA	Solid	300.0	29600
885-28078-17	BH25-15 6'	Total/NA	Solid	300.0	29600
885-28078-18	BH25-15 7'	Total/NA	Solid	300.0	29600
885-28078-19	BH25-15 8'	Total/NA	Solid	300.0	29600
885-28078-20	BH25-16 0'	Total/NA	Solid	300.0	29600
885-28078-21	BH25-16 1'	Total/NA	Solid	300.0	29600
885-28078-22	BH25-16 2'	Total/NA	Solid	300.0	29600
885-28078-23	BH25-16 3'	Total/NA	Solid	300.0	29600
885-28078-24	BH25-16 4'	Total/NA	Solid	300.0	29600
885-28078-25	BH25-16 5'	Total/NA	Solid	300.0	29600
885-28078-26	BH25-16 6'	Total/NA	Solid	300.0	29600
885-28078-27	BH25-16 7'	Total/NA	Solid	300.0	29600
885-28078-28	BH25-16 8'	Total/NA	Solid	300.0	29600
MB 885-29584/1-A	Method Blank	Total/NA	Solid	300.0	29584
MB 885-29600/1-A	Method Blank	Total/NA	Solid	300.0	29600
LCS 885-29584/2-A	Lab Control Sample	Total/NA	Solid	300.0	29584
LCS 885-29600/2-A	Lab Control Sample	Total/NA	Solid	300.0	29600

Prep Batch: 29600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-15	BH25-15 4'	Total/NA	Solid	300_Prep	
885-28078-16	BH25-15 5'	Total/NA	Solid	300_Prep	
885-28078-17	BH25-15 6'	Total/NA	Solid	300_Prep	
885-28078-18	BH25-15 7'	Total/NA	Solid	300_Prep	
885-28078-19	BH25-15 8'	Total/NA	Solid	300_Prep	
885-28078-20	BH25-16 0'	Total/NA	Solid	300_Prep	
885-28078-21	BH25-16 1'	Total/NA	Solid	300_Prep	
885-28078-22	BH25-16 2'	Total/NA	Solid	300_Prep	
885-28078-23	BH25-16 3'	Total/NA	Solid	300_Prep	
885-28078-24	BH25-16 4'	Total/NA	Solid	300_Prep	
885-28078-25	BH25-16 5'	Total/NA	Solid	300_Prep	
885-28078-26	BH25-16 6'	Total/NA	Solid	300_Prep	

Job ID: 885-28078-1 Client: Vertex Project/Site: Todd 24 B Federal #002 SDG: 25A-01218

HPLC/IC (Continued)

Prep Batch: 29600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28078-27	BH25-16 7'	Total/NA	Solid	300_Prep	
885-28078-28	BH25-16 8'	Total/NA	Solid	300_Prep	
MB 885-29600/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-29600/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Project/Site: Todd 24 B Federal #002

Job ID: 885-28078-1 SDG: 25A-01218

Client Sample ID: BH25-13 0'

Lab Sample ID: 885-28078-1

Matrix: Solid

Date Collected: 07/01/25 07:10 Date Received: 07/03/25 07:45

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 18:54
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 18:54
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 19:51
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 13:35

Client Sample ID: BH25-13 1'

Lab Sample ID: 885-28078-2 Matrix: Solid

Date Collected: 07/01/25 07:13 Date Received: 07/03/25 07:45

Γ	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 20:05
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 20:05
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 20:14
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 14:05

Lab Sample ID: 885-28078-3 Client Sample ID: BH25-13 2' Date Collected: 07/01/25 07:15 **Matrix: Solid**

Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 21:16
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 21:16
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 20:38
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 14:15

Client Sample ID: BH25-13 3' Lab Sample ID: 885-28078-4

Date Collected: 07/01/25 07:17 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 21:40

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Matrix: Solid

Project/Site: Todd 24 B Federal #002 Client Sample ID: BH25-13 3'

Client: Vertex

Lab Sample ID: 885-28078-4

Matrix: Solid

Date Collected: 07/01/25 07:17 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 21:40
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 21:02
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 14:25

Client Sample ID: BH25-13 4' Lab Sample ID: 885-28078-5

Matrix: Solid

Lab Sample ID: 885-28078-6

Matrix: Solid

Matrix: Solid

Date Collected: 07/01/25 07:22 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 22:03
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 22:03
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 21:50
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 14:34

Client Sample ID: BH25-14 0'

Date Collected: 07/01/25 07:30

Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 22:27
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 22:27
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 22:14
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 14:44

Client Sample ID: BH25-14 1' Lab Sample ID: 885-28078-7

Date Collected: 07/01/25 07:32 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 22:51
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 22:51

SDG: 25A-01218

Client Sample ID: BH25-14 1'

Project/Site: Todd 24 B Federal #002

Date Collected: 07/01/25 07:32

Lab Sample ID: 885-28078-7 **Matrix: Solid**

Date Received: 07/03/25 07:45

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 22:38
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 14:54

Client Sample ID: BH25-14 2' Date Collected: 07/01/25 07:35

Date Received: 07/03/25 07:45

Lab Sample ID: 885-28078-8 **Matrix: Solid**

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 23:14
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 23:14
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 23:02
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 15:04

Client Sample ID: BH25-14 3' Lab Sample ID: 885-28078-9

Date Collected: 07/01/25 07:37 **Matrix: Solid** Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/07/25 23:38
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/07/25 23:38
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 23:27
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 15:33

Client Sample ID: BH25-14 4' Date Collected: 07/01/25 07:40

Lab Sample ID: 885-28078-10

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 00:02
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 00:02
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/09/25 23:51

Eurofins Albuquerque

Date Received: 07/03/25 07:45

SDG: 25A-01218

Project/Site: Todd 24 B Federal #002 Client Sample ID: BH25-14 4'

Lab Sample ID: 885-28078-10

Matrix: Solid

Date Collected: 07/01/25 07:40 Date Received: 07/03/25 07:45

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 15:43

Lab Sample ID: 885-28078-11

Matrix: Solid

Client Sample ID: BH25-15 0'

Date Collected: 07/01/25 07:47 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 00:49
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 00:49
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 00:39
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 15:53

Client Sample ID: BH25-15 1'

Date Collected: 07/01/25 07:51

Date Received: 07/03/25 07:45

Lab Sample ID: 885-28078-12

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 01:13
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 01:13
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 01:51
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 16:03

Client Sample ID: BH25-15 2'

Date Collected: 07/01/25 08:02

Date Received: 07/03/25 07:45

LLIALD	07/07/25 10:05	
Lab	Sample ID: 885-28078-	13
	Matrix: So	olid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 01:37
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 01:37
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 02:15
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 16:13

Project/Site: Todd 24 B Federal #002

Client Sample ID: BH25-15 3'

Client: Vertex

Date Collected: 07/01/25 08:05
Date Received: 07/03/25 07:45

Lab Sample ID: 885-28078-14

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 02:01
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 02:01
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 02:39
Total/NA	Prep	300_Prep			29584	MA	EET ALB	07/07/25 10:24
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 16:23

Client Sample ID: BH25-15 4'

Date Collected: 07/01/25 08:08 Date Received: 07/03/25 07:45 Lab Sample ID: 885-28078-15

Matrix: Solid

Batch Dilution Batch Batch Prepared Method or Analyzed **Prep Type** Type Run **Factor Number Analyst** Lab 07/03/25 12:42 Total/NA Prep 5030C 29539 AT **EET ALB** Total/NA 07/08/25 02:25 Analysis 8015M/D 29661 JP **EET ALB** 1 Total/NA 5030C 29539 AT **EET ALB** 07/03/25 12:42 Prep Total/NA 8021B 07/08/25 02:25 Analysis 1 29662 JP **EET ALB** Total/NA Prep SHAKE 29732 DH **EET ALB** 07/08/25 16:00 Total/NA 8015M/D 29757 EM **EET ALB** 07/10/25 03:27 Analysis 1 Total/NA Prep 300 Prep 29600 MA **EET ALB** 07/07/25 12:00

20

29591 MA

Client Sample ID: BH25-15 5'

Analysis

300.0

Date Collected: 07/01/25 08:12 Date Received: 07/03/25 07:45

Total/NA

Lab Sample ID: 885-28078-16

07/07/25 16:52

EET ALB

Matrix: Solid

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 02:49
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 02:49
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 03:51
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 17:41

Client Sample ID: BH25-15 6'

Date Collected: 07/01/25 08:21

Date Received: 07/03/25 07:45

Lab Sample ID: 885-28078-17

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 03:13

Project/Site: Todd 24 B Federal #002 Client Sample ID: BH25-15 6'

Client: Vertex

Lab Sample ID: 885-28078-17

Matrix: Solid

Date Collected: 07/01/25 08:21 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 03:13
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 04:39
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 17:51

Lab Sample ID: 885-28078-18

Lab Sample ID: 885-28078-19

Matrix: Solid

Matrix: Solid

Client Sample ID: BH25-15 7' Date Collected: 07/01/25 08:25 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 03:37
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 03:37
Total/NA	Prep	SHAKE			29732	DH	EET ALB	07/08/25 16:00
Total/NA	Analysis	8015M/D		1	29757	EM	EET ALB	07/10/25 05:03
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 18:01

Client Sample ID: BH25-15 8'

Date Collected: 07/01/25 08:30

Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 04:01
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 04:01
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		1	29972	MB	EET ALB	07/11/25 15:51
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 18:11

- Batch	Batch	Dilution	Batch	Prepared
Date Received: 07/03/25 0	7:45			
Date Collected: 07/01/25 1	11:20	Matrix: Solid		
Client Sample ID: BH	25-16 0'	Lab Sample ID: 885-28078-20		

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8015M/D		1	29661	JP	EET ALB	07/08/25 04:24
Total/NA	Prep	5030C			29539	AT	EET ALB	07/03/25 12:42
Total/NA	Analysis	8021B		1	29662	JP	EET ALB	07/08/25 04:24

Client: Vertex Project/Site: Todd 24 B Federal #002

SDG: 25A-01218

Client Sample ID: BH25-16 0'

Lab Sample ID: 885-28078-20

Date Collected: 07/01/25 11:20 Date Received: 07/03/25 07:45 Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		10	29972	MB	EET ALB	07/11/25 16:03
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 18:21

Lab Sample ID: 885-28078-21

Motrice Colid

Matrix: Solid

Client Sample ID: BH25-16 1'
Date Collected: 07/01/25 11:25

Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 15:18
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 15:18
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		10	29965	EM	EET ALB	07/11/25 15:31
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 18:31

Client Sample ID: BH25-16 2'

Date Collected: 07/01/25 11:30 Date Received: 07/03/25 07:45 Lab Sample ID: 885-28078-22

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29688	AT	EET ALB	07/08/25 12:31
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29689	AT	EET ALB	07/08/25 12:31
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		10	29965	EM	EET ALB	07/11/25 15:55
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 18:40

Client Sample ID: BH25-16 3'

Date Collected: 07/01/25 11:35

Date Received: 07/03/25 07:45

EET ALB	07/07/25 18:40
Lab	Sample ID: 885-28078-23
	Matrix: Solid

Dron Type	Batch	Batch Method	Run	Dilution Factor	Batch	Analyst	Lab	Prepared or Analyzed
Prep Type	Туре		Kuii			Analyst		
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 17:35
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 17:35
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		1	30041	EM	EET ALB	07/14/25 13:54

Client: Vertex Project/Site: Todd 24 B Federal #002

SDG: 25A-01218

Client Sample ID: BH25-16 3'

Client Sample ID: BH25-16 4' Date Collected: 07/01/25 11:45

Date Received: 07/03/25 07:45

Lab Sample ID: 885-28078-23

Date Collected: 07/01/25 11:35 Date Received: 07/03/25 07:45 Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 18:50

Lab Sample ID: 885-28078-24

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 17:57
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 17:57
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		1	30041	EM	EET ALB	07/14/25 14:06
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 19:20

Client Sample ID: BH25-16 5'

Date Collected: 07/01/25 11:50 Date Received: 07/03/25 07:45

Lab Sample ID: 885-28078-25

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 18:19
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 18:19
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		1	30041	EM	EET ALB	07/14/25 14:18
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 19:30

Client Sample ID: BH25-16 6'

Date Collected: 07/01/25 11:53

Date Received: 07/03/25 07:45

Lab Sample ID:	885-28078-26
	Matrice Callel

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 18:40
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 18:40
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		1	30041	EM	EET ALB	07/14/25 14:30
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 19:39

SDG: 25A-01218

Project/Site: Todd 24 B Federal #002 Client Sample ID: BH25-16 7'

Client: Vertex

Lab Sample ID: 885-28078-27

Matrix: Solid

Date Collected: 07/01/25 12:00 Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 19:02
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 19:02
Total/NA	Prep	SHAKE			29872	JM	EET ALB	07/10/25 09:51
Total/NA	Analysis	8015M/D		1	29965	EM	EET ALB	07/11/25 16:19
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 19:49

Client Sample ID: BH25-16 8' Lab Sample ID: 885-28078-28

Date Collected: 07/01/25 12:03 **Matrix: Solid**

Date Received: 07/03/25 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8015M/D		1	29611	AT	EET ALB	07/07/25 19:24
Total/NA	Prep	5030C			29551	AT	EET ALB	07/03/25 15:59
Total/NA	Analysis	8021B		1	29610	AT	EET ALB	07/07/25 19:24
Total/NA	Prep	SHAKE			29780	DR	EET ALB	07/09/25 11:07
Total/NA	Analysis	8015M/D		1	29794	EM	EET ALB	07/09/25 19:40
Total/NA	Prep	300_Prep			29600	MA	EET ALB	07/07/25 12:00
Total/NA	Analysis	300.0		20	29591	MA	EET ALB	07/07/25 19:59

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

 Client: Vertex
 Job ID: 885-28078-1

 Project/Site: Todd 24 B Federal #002
 SDG: 25A-01218

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Progi	ram	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-27-26
0 ,	s are included in this repo does not offer certification	•	not certified by the governing authori	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organics	s (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [0	C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organic	s [C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
regon	NELA	D	NM100001	02-26-26

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				Project #:	caciai #002	·	1				5-39					-4107	885-2807	78 COC): 11
Phone	#:			25A-01218			0.0	18							ques		SWEET STATES		/3/2
email o	r Fax#:			Project Mana	ager:		=	6				5	2		ır)				2025
QA/QC	Package:			Kent Stalling	S		's (8021)	/ MRO)	PCB's		MS				Abse				12:17:54
□ Stan	dard		☐ Level 4 (Full Validation)	kstallings@v	ertexresource	.com	B's (DRO/			8270SIMS				ant/				7:54
Accredi			ompliance	Sampler:	L. Pullman		TMB	_	808	4.1		2	200		rese				(PM
□ NEL		□ Other		On Ice: # of Coolers:	☐ Yes	□ No	3E /	GRC	des/	d 50	10 or	etals	<u> </u>	0	m (P				
	()			Cooler Temp	(including CF): 7.	3+4.2:75	MTBE	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	Σ .	1 9	70 (Semi-VOA)	Coliform (Present/Absent)				
				Container	Preservative	HEAL No.	×	.80	1 Pe	<u>S</u>	d Sh	44 8	5 2	S) 0					
Date	Time	Matrix	Sample Name	Type and #	Туре	HEAL NO.	ВТЕХ	T	808	EDE	PAH	KCKA	8260	827	Total				
07.01.25	7:10	Soil	BH25-13 0'	1, 4oz jar		-1	Х	Х)	(
07.01.25	7:13	Soil	BH25-13 1'	1, 4oz jar		-2	Х	х)							
07.01.25	7:15	Soil	BH25-13 2'	1, 4oz jar		-3	Х	Х)	(
07.01.25	7:17	Soil	BH25-13 3'	1, 4oz jar		-4	Х	х)							
07.01.25	7:22	Soil	BH25-13 4'	1, 4oz jar		-5	Х	х)							
07.01.25	7:30	Soil	BH25-14 0'	1, 4oz jar		-6	Х	х)							
07.01.25	7:32	Soil	BH25-14 1'	1, 4oz jar		-7	Х	х)	(
07.01.25	7:35	Soil	BH25-14 2'	1, 4oz jar		-8	Х	х)							
07.01.25	7:37	Soil	BH25-14 3'	1, 4oz jar		-9	Х	Х)	(
07.01.25	7:40	Soil	BH25-14 4'	1, 4oz jar		-10	Х	х)							
07.01.25	7:47	Soil	BH25-15 0'	1, 4oz jar		-11	Х	х)							
07.01.25	7:51	Soil	BH25-15 1'	1, 4oz jar		-12	Х	х)	(
Date:	Time:	Relinquish	ed py	Received by:	Via:	Date Time					m Ra	-	or 89	مومو	۵۵۵۵	Jim Ra	lov		
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	it necessary	, samples sub	omitted to Hall Environmental may be sub	contracted to other a	ccredited laboratorie	es. This serves as notice of this	s possi	bility.	Any sul	b-cont	acted o	ata wil	be cle	arly not	ated or	the analy	rtical report	. /	5 of
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7/14/2025

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□ Stan	dard		☐ Level 4 (Full Validation)	kstallings@v	ertexresource.	com	TMB's (8021)	/ DRO / MRO)			8270SIMS		, PO ₄ ,			Coliform (Present/Absent)				1
Accredi			mpliance	Sampler:	L. Pullman		⊥ME	JO /	3082	1			NO ₂ ,			rese				2:1/:34 FW
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				Oddier Temp	(including CF).	770-7-7-5	-	015	Pes	Met	þ	8	Ä,	(VOA)	(Ser	S	ĺ			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	втех	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	RCRA	2	8260	8270	Total				
07.01.25	8:02	Soil	BH25-15 2'	1, 4oz jar		-13	Х	х					х							\prod
07.01.25	8:05	Soil	BH25-15 3'	1, 4oz jar		-14	Х	Х					x							
07.01.25	8:08	Soil	BH25-15 4'	1, 4oz jar		-15	Х	х					X							
07.01.25	8:12	Soil	BH25-15 5'	1, 4oz jar		-16	Х	х					х							
07.01.25	8:21	Soil	BH25-15 6'	1, 4oz jar		-17	Х	х					x							
07.01.25	8:25	Soil	BH25-15 7'	1, 4oz jar		-18	Х	х					х							
07.01.25	8:30	Soil	BH25-15 8'	1, 4oz jar		-19	Х	х					х							
07.01.25	11:20	Soil	BH25-16 0'	1, 4oz jar		-20	Х	х					x							
07.01.25	11:25	Soil	BH25-16 1'	1, 4oz jar		-21	Х	Х					х							
07.01.25	11:30	Soil	BH25-16 2'	1, 4oz jar		-22	Х	х					х							
07.01.25	11:35	Soil	BH25-16 3'	1, 4oz jar		-23	Х	Х					х							
07.01.25	11:45	Soil	BH25-16 4'	1, 4oz jar		-24	Х	Х					х							
Date: 7- <u>]</u> -2(Time: 07:00	Relinquish	Pullan	Received by:	Via:	Date Time	Dire	ct bil	ll to D)evoi		rk or					m Rale		ce.cor	n.
Date:	Time:	Relinquish	ed by:	Received by:	Via: Y	Date Time	ksta	illing	s@ve	rtex	resou	ırce.	com	, SM	cCa	rty@v	ertexre Report	esourc		

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.









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QA/QC □ Star	Package: idard		□ Level 4 (Full Validation)	Kent Stalling kstallings@v	s ertexresource	e.com		's (8021)	O / MRO)	PCB's		8270SIMS		PO ₄ , S			1t/Abse			
Accred		☐ Az Co☐ Other	mpliance	Sampler: On Ice:	L. Pullman	□ No		/ TMB'	O / DRO	esticides/8082	04.1)			NO ₂ ,		()	Coliform (Present/Absent)			
	(Type)			# of Coolers:	1	11	10:0	MTBE	(GR	ides	od 5	10,	stals	NO ₃		Ş `	Ē			
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	7-3+47	= 2.5	BTEX / MT	TPH:8015D(GRO	8081 Pestic	EDB (Method 504.1)	PAHs by 8310 or	R.	Cl, F, Br, N	8260 (VOA)		Total Colifo			
07.01.25	11:50	Soil	BH25-16 5'	1, 4oz jar		-25		х	Х					х						
07.01.25	11:53	Soil	BH25-16 6'	1, 4oz jar		-26		х	Х					х						
07.01.25	12:00	Soil	BH25-16 7'	1, 4oz jar		-27		х	х					х						
07.01.25	12:03	Soil	BH25-16 8'	1, 4oz jar		-28		Х	Х					Х		1				
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1905	f necessary	samples sub	mitted to Hall Environmental may be subd	contracted to other a	ccredited laboratorie	es. This serves a	7/45 as notice of thi	s possi	bility.	Any su	b-cont	tracted	data v	vill be	clearly r	notated	d on the a	nalytical	report.	









7/14/2025

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-28078-1 SDG Number: 25A-01218

Login Number: 28078 List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
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

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Sally Carttar Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220

Generated 8/26/2025 1:10:23 PM

JOB DESCRIPTION

Todd 24B Fed 2

JOB NUMBER

885-31126-1

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 8/26/2025 1:10:23 PM

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

Page 2 of 29 8/26/2025

Client: Vertex
Laboratory Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	16
QC Association Summary	20
Lab Chronicle	23
Certification Summary	27
Chain of Custody	28
Receint Checklists	29

Definitions/Glossary

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

JOD ID. 000-51120

Glossary

LOQ

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)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Quantitation (DoD/DOE)

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 Job ID: 885-31126-1

Project: Todd 24B Fed 2

Job ID: 885-31126-1 Eurofins Albuquerque

Job Narrative 885-31126-1

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 8/15/2025 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 0.5°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

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Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Client Sample ID: BH25-16 at 9ft

Date Collected: 08/12/25 08:00 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/15/25 13:06	08/21/25 03:35	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			08/15/25 13:06	08/21/25 03:35	1
	ile Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	ma/Ka		08/15/25 13:06	08/21/25 03:35	

Surrogate	%Recovery Qua	lifier Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	ND	0.099	mg/Kg	08/15/25 13:06	08/21/25 03:35	1
Toluene	ND	0.050	mg/Kg	08/15/25 13:06	08/21/25 03:35	1
Ethylbenzene	ND	0.050	mg/Kg	08/15/25 13:06	08/21/25 03:35	1
Benzene	ND	0.025	mg/Kg	08/15/25 13:06	08/21/25 03:35	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88	15 - 150	08/15/25 13:06	08/21/25 03:35	1

Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/21/25 10:00	08/21/25 17:22	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/21/25 10:00	08/21/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			08/21/25 10:00	08/21/25 17:22	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		08/18/25 12:39	08/18/25 17:40	20

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Client Sample ID: BH25-16 at 10ft

Date Collected: 08/12/25 08:30 Date Received: 08/15/25 07:40

Toluene

Xylenes, Total

Lab Sample ID: 885-31126-2

08/21/25 04:46

08/21/25 04:46

08/15/25 13:06

08/15/25 13:06

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/15/25 13:06	08/21/25 04:46	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			08/15/25 13:06	08/21/25 04:46	1
-	le Organic Comp	ounds (GC))					
Method: SW846 8021B - Volati	io organio comp							
Method: SW846 8021B - Volati Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	•	• •		Unit mg/Kg	<u>D</u>	Prepared 08/15/25 13:06	Analyzed 08/21/25 04:46	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150	08/15/25 13:06	08/21/25 04:46	1

0.050

0.10

mg/Kg

mg/Kg

ND

ND

Method: SW846 8015M/D - Diesel	•	, , ,	•		_	_		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		08/21/25 10:00	08/21/25 17:35	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/21/25 10:00	08/21/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			08/21/25 10:00	08/21/25 17:35	

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		59	mg/Kg		08/18/25 12:39	08/18/25 18:10	20

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Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Xylenes, Total

4-Bromofluorobenzene (Surr)

Released to Imaging: 11/13/2025 2:42:45 PM

Surrogate

Client Sample ID: BS25-02 at 1ft

Date Collected: 08/12/25 09:00 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-3

08/21/25 05:57

Analyzed

08/21/25 05:57

08/15/25 13:06

Prepared

08/15/25 13:06

Matrix: Solid

Method: SW846 8015M/D - Gas	soline Range Org	janics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/15/25 13:06	08/21/25 05:57	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87	-	15 - 150			08/15/25 13:06	08/21/25 05:57	1
- Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/25 13:06	08/21/25 05:57	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/25 13:06	08/21/25 05:57	1
Toluene	ND		0.048	mg/Kg		08/15/25 13:06	08/21/25 05:57	1

0.096

Limits

15 - 150

mg/Kg

ND

%Recovery Qualifier

88

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/21/25 10:00	08/21/25 17:47	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/21/25 10:00	08/21/25 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			08/21/25 10:00	08/21/25 17:47	1

Wethou. LFA 300.0 - Amons, for C	inomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	60	mg/Kg		08/18/25 12:39	08/18/25 18:39	20

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Dil Fac

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Surrogate

Di-n-octyl phthalate (Surr)

Client Sample ID: WS25-02 at 0-1ft

Date Collected: 08/12/25 09:20 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-4

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/15/25 13:06	08/21/25 06:20	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			08/15/25 13:06	08/21/25 06:20	1
Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/25 13:06	08/21/25 06:20	1

Wethou. 344040 0021D - Volati	ne Organic Compounds (G	-					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.024	mg/Kg		08/15/25 13:06	08/21/25 06:20	1
Ethylbenzene	ND	0.048	mg/Kg		08/15/25 13:06	08/21/25 06:20	1
Toluene	ND	0.048	mg/Kg		08/15/25 13:06	08/21/25 06:20	1
Xylenes, Total	ND	0.097	mg/Kg		08/15/25 13:06	08/21/25 06:20	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87	15 - 150			08/15/25 13:06	08/21/25 06:20	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND ND	9.5	mg/Kg		08/21/25 10:00	08/21/25 18:00	1
Motor Oil Range Organics [C28-C40]	77	47	mg/Kg		08/21/25 10:00	08/21/25 18:00	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95	60	mg/Kg		08/18/25 12:39	08/18/25 18:49	20

Limits

62 - 134

%Recovery Qualifier

108

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Dil Fac

Analyzed

08/21/25 18:00

Prepared

08/21/25 10:00

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Analyte

Chloride

Client Sample ID: BS25-01 at 3ft

Lab Sample ID: 885-31126-5

Date Collected: 08/12/25 12:00 Matrix: Solid Date Received: 08/15/25 07:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/15/25 13:06	08/21/25 06:44	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		15 - 150			08/15/25 13:06	08/21/25 06:44	
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	1					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/25 13:06	08/21/25 06:44	1
Ethylbenzene	ND		0.047	mg/Kg		08/15/25 13:06	08/21/25 06:44	1
Toluene	ND		0.047	mg/Kg		08/15/25 13:06	08/21/25 06:44	1
Xylenes, Total	ND		0.095	mg/Kg		08/15/25 13:06	08/21/25 06:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		15 - 150			08/15/25 13:06	08/21/25 06:44	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/21/25 10:00	08/21/25 17:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/21/25 10:00	08/21/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			08/21/25 10:00	08/21/25 17:10	

RL

60

Unit

mg/Kg

Prepared

08/18/25 12:39

Analyzed

08/18/25 18:59

Dil Fac

20

Result Qualifier

170

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Client Sample ID: WS25-01 at 0-3ft

Date Collected: 08/12/25 12:30 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-6

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/15/25 13:06	08/21/25 07:07	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			08/15/25 13:06	08/21/25 07:07	1
Benzene	ND		0.025	mg/Kg		08/15/25 13:06	08/21/25 07:07	1
Method: SW846 8021B - Volat Analyte		ounds (GC) Qualifier) RL	Unit	D	Prepared	Analyzed	Dil Fac
				5 5				1
Ethylbenzene	ND		0.049	mg/Kg		08/15/25 13:06	08/21/25 07:07	1
Toluene	ND		0.049	mg/Kg		08/15/25 13:06	08/21/25 07:07	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/25 13:06	08/21/25 07:07	1
	0/5	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	%Recovery							

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	9.9	mg/Kg		08/22/25 10:00	08/22/25 14:30	1
Motor Oil Range Organics [C28-C40]	ND	50	mg/Kg		08/22/25 10:00	08/22/25 14:30	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96	62 - 134			08/22/25 10:00	08/22/25 14:30	1

motilod: El A 000.0 Amono, ion o	in omatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100	60	mg/Kg		08/18/25 12:39	08/18/25 19:09	20

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Released to Imaging: 11/13/2025 2:42:45 PM

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Toluene

Xylenes, Total

Client Sample ID: BS25-03 at 2ft

Date Collected: 08/12/25 13:00 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-7

08/21/25 07:31

08/21/25 07:31

08/15/25 13:06

08/15/25 13:06

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/25 13:06	08/21/25 07:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			08/15/25 13:06	08/21/25 07:31	1
- Mathada CWO4C 0004D - Valati	le Organic Comp	ounds (GC)						
Method: SW846 8021B - Volati						_		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result ND	Qualifier	RL 0.024	Unit mg/Kg	D	08/15/25 13:06	08/21/25 07:31	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	15 - 150	08/15/25 13:06	08/21/25 07:31	1
Г					

0.048

0.096

mg/Kg

mg/Kg

ND

ND

Method: SW846 8015M/D -	Diesel Range Organ	ics (DRO) ((GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/22/25 10:00	08/22/25 14:42	1
Motor Oil Range Organics [C28-C4	10] ND		47	mg/Kg		08/22/25 10:00	08/22/25 14:42	1
Surrogate Di-n-octyl phthalate (Surr)	%Recovery 85	Qualifier	62 - 134			Prepared 08/22/25 10:00	Analyzed 08/22/25 14:42	Dil Fac

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		08/18/25 12:39	08/18/25 19:19	20

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Surrogate

4-Bromofluorobenzene (Surr)

Client Sample ID: BS25-04 at 0ft

Date Collected: 08/12/25 13:10 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-8

Analyzed

08/21/25 07:54

Prepared

08/15/25 13:06

Matrix: Solid

Method: SW846 8015M/D - Gas	soline Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/15/25 13:06	08/21/25 07:54	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			08/15/25 13:06	08/21/25 07:54	1
_ Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)) 					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/25 13:06	08/21/25 07:54	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/25 13:06	08/21/25 07:54	1
Toluene	ND		0.048	mg/Kg		08/15/25 13:06	08/21/25 07:54	1
Xvlenes, Total								

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/22/25 10:00	08/22/25 14:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/22/25 10:00	08/22/25 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			08/22/25 10:00	08/22/25 14:54	

Limits

15 - 150

%Recovery Qualifier

86

mothod: El A 000.0 Amono, ion o	omatograpii	• •						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		08/18/25 12:39	08/18/25 19:28	20

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Dil Fac

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Date Received: 08/15/25 07:40

Xylenes, Total

Surrogate

Client Sample ID: WS25-03 at 0-2ft

Date Collected: 08/12/25 14:00

ND

%Recovery Qualifier

Lab Sample ID: 885-31126-9

08/21/25 08:18

Analyzed

08/15/25 13:06

Prepared

Matrix: Solid

Method: SW846 8015M/D - Gas	soline Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/15/25 13:06	08/21/25 08:18	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			08/15/25 13:06	08/21/25 08:18	1
Gasoline Range Organics								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/25 13:06	08/21/25 08:18	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/25 13:06	08/21/25 08:18	1
Toluene	ND		0.048	mg/Kg		08/15/25 13:06	08/21/25 08:18	1

L	4-Bromofluorobenzene (Surr)	85		15 - 150			08/15/25 13:06	08/21/25 08:18	1
	Method: SW846 8015M/D - Diesel R	ange Organ	ics (DRO) (G	SC)					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/22/25 10:00	08/22/25 14:22	1
	Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/22/25 10:00	08/22/25 14:22	1

0.096

Limits

mg/Kg

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90	62 - 134	08/22/25 10:00	08/22/25 14:22	1

Method: EPA 300.0 - Anions, Ion C	hromatograph	าง						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		08/18/25 12:39	08/18/25 19:38	20

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Dil Fac

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Toluene

Xylenes, Total

Client Sample ID: BS25-05 at 0ft

Date Collected: 08/12/25 15:00 Date Received: 08/15/25 07:40

ND

ND

Lab Sample ID: 885-31126-10 Matrix: Solid

08/21/25 08:41

08/21/25 08:41

08/15/25 13:06

08/15/25 13:06

Method: SW846 8015M/D - Gaso	line Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/15/25 13:06	08/21/25 08:41	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			08/15/25 13:06	08/21/25 08:41	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/25 13:06	08/21/25 08:41	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/25 13:06	08/21/25 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		<u>15 - 150</u>	08/15/25 13:06	08/21/25 08:41	1

0.049

0.097

mg/Kg

mg/Kg

Method: SW846 8015M/D - Diesel	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/22/25 10:00	08/22/25 14:33	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/22/25 10:00	08/22/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			08/22/25 10:00	08/22/25 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography										
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	160		60	mg/Kg		08/18/25 12:39	08/18/25 19:48	20	

Prep Batch: 32449

Prep Type: Total/NA

Prep Type: Total/NA

Job ID: 885-31126-1 Client: Vertex

Project/Site: Todd 24B Fed 2

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

Client Sample ID: Method Blank Lab Sample ID: MB 885-32449/1-A Prep Type: Total/NA

Matrix: Solid Analysis Batch: 32908

мв мв Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 mg/Kg 08/15/25 13:06 08/21/25 03:11

(GRO)-C6-C10

MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 08/15/25 13:06 15 - 150 08/21/25 03:11 4-Bromofluorobenzene (Surr) 91

Lab Sample ID: LCS 885-32449/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 32908

Prep Batch: 32449 LCS LCS Spike Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 22.4 mg/Kg 89 70 - 130

Limits

(GRO)-C6-C10

LCS LCS Surrogate %Recovery Qualifier

4-Bromofluorobenzene (Surr) 189 15 - 150

Lab Sample ID: 885-31126-1 MS

Matrix: Solid

Analysis Batch: 32908

Prep Batch: 32449 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits ND 24.8 21.9 88 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 186 15 - 150

Lab Sample ID: 885-31126-1 MSD

Matrix: Solid

Analysis Batch: 32908

Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics ND 24.8 20.8 mg/Kg 84 70 - 130

(GRO)-C6-C10

MSD MSD

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 187 15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32449/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 32909

Released to Imaging: 11/13/2025 2:42:45 PM

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.025 08/15/25 13:06 Benzene ND mg/Kg 08/21/25 03:11 Ethylbenzene 0.050 ND mg/Kg 08/15/25 13:06 08/21/25 03:11 Toluene ND 0.050 08/15/25 13:06 08/21/25 03:11 mg/Kg

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Prep Type: Total/NA

Prep Batch: 32449

Page 16 of 29

Client Sample ID: BH25-16 at 9ft

Client Sample ID: BH25-16 at 9ft

Prep Type: Total/NA Prep Batch: 32449

Client Sample ID: Method Blank

Prep Type: Total/NA

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

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

Lab Sample ID: MB 885-32449/1-A **Matrix: Solid**

Analysis Batch: 32909

Prep Batch: 32449 MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Fac

Xylenes, Total ND 0.10 08/15/25 13:06 08/21/25 03:11 mg/Kg MR MR

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 88 15 - 150 08/15/25 13:06 08/21/25 03:11

Lab Sample ID: LCS 885-32449/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analyte

Prep Type: Total/NA **Analysis Batch: 32909** Prep Batch: 32449

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit %Rec Limits Benzene 1.00 0.955 mg/Kg 96 70 - 130 Ethylbenzene 1.00 0.928 mg/Kg 93 70 - 130 m-Xylene & p-Xylene 2.00 1.93 mg/Kg 97 70 - 130 o-Xylene 1.00 0.926 mg/Kg 93 70 - 130 Toluene 1.00 0.942 mg/Kg 94 70 - 130

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 92 15 - 150

Lab Sample ID: 885-31126-2 MS Client Sample ID: BH25-16 at 10ft

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 32909** Prep Batch: 32449

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.990	0.901		mg/Kg		91	70 - 130	
Ethylbenzene	ND		0.990	0.870		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	ND		1.98	1.79		mg/Kg		90	70 - 130	
o-Xylene	ND		0.990	0.864		mg/Kg		87	70 - 130	
Toluene	ND		0.990	0.869		mg/Kg		88	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 15 - 150 4-Bromofluorobenzene (Surr) 90

Lab Sample ID: 885-31126-2 MSD Client Sample ID: BH25-16 at 10ft

Matrix: Solid

m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 32909 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene ND 0.998 0.919 mg/Kg 92 70 - 1302 20 Ethylbenzene ND 0.998 0.899 mg/Kg 90 70 - 130 3 20

1.88

0.879

0.895

mg/Kg

mg/Kg

mg/Kg

2.00

0.998

0.998

Toluene MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 90 15 - 150

ND

ND

ND

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20

20

20

Prep Type: Total/NA

Prep Batch: 32449

5

2

94

88

90

70 - 130

70 - 130

70 - 130

QC Sample Results

Job ID: 885-31126-1 Client: Vertex

Project/Site: Todd 24B Fed 2

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

Lab Sample ID: MB 885-32910/1-A **Matrix: Solid**

Lab Sample ID: LCS 885-32910/2-A

Analysis Batch: 32904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32910

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 08/21/25 09:59 08/21/25 13:00 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 08/21/25 09:59 08/21/25 13:00

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed Di-n-octyl phthalate (Surr) 98 62 - 134 08/21/25 09:59 08/21/25 13:00

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32910

Prep Type: Total/NA

Prep Batch: 32997

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 50.0 49.9 100 51 - 148 Diesel Range Organics mg/Kg

[C10-C28]

Matrix: Solid

Matrix: Solid

Analysis Batch: 32904

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 100 62 - 134

Client Sample ID: Method Blank

Lab Sample ID: MB 885-32997/1-A

Analysis Batch: 32983

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 08/22/25 10:00 08/22/25 13:12 mg/Kg Motor Oil Range Organics [C28-C40] ND 50 08/22/25 10:00 08/22/25 13:12 mg/Kg

MB MB

Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed Di-n-octyl phthalate (Surr) 89 62 - 134 08/22/25 10:00 08/22/25 13:12

Lab Sample ID: LCS 885-32997/2-A

Matrix: Solid

Analysis Batch: 32983

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

Prep Batch: 32997

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits 50.0 50.8 102 51 - 148 mg/Kg Diesel Range Organics

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 106 62 - 134

Lab Sample ID: 885-31126-10 MS

Matrix: Solid

Analysis Batch: 32994

Client Sample ID: BS25-05 at 0ft

Prep Type: Total/NA Prep Batch: 32997

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit %Rec Limits 44 - 136 Diesel Range Organics ND 48.3 47 8 mg/Kg 99

[C10-C28]

Analyte

Client Sample ID: BS25-05 at 0ft

Client Sample ID: BS25-05 at 0ft

Client Sample ID: Method Blank

08/18/25 15:42

%Rec

Limits

44 - 136

%Rec

Prepared

08/18/25 12:39

%Rec

%Rec

NC

98

D

108

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 32997

RPD

Prep Batch: 32997

Client: Vertex Job ID: 885-31126-1

MSD MSD

Qualifier

Unit

mg/Kg

Unit

Unit

mg/Kg

mg/Kg

D

Unit

mg/Kg

Result

53.5

Project/Site: Todd 24B Fed 2

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

101

Sample Sample

Qualifier

MSD

мв мв

ND

Sample Sample

ND

Result Qualifier

Result Qualifier

Result

ND

Matrix: Solid

Analysis Batch: 32994

Di-n-octyl phthalate (Surr)

62 - 134

Spike

Added

49.7

RL

1.5

Spike

Added

Spike

Added

29.9

Spike

15.0

MS MS %Recovery Qualifier Limits

Lab Sample ID: 885-31126-10 MSD

Lab Sample ID: 885-31126-10 MS

Matrix: Solid

Surrogate

[C10-C28]

Analysis Batch: 32994

Analyte

Diesel Range Organics

Surrogate Di-n-octyl phthalate (Surr)

MSD %Recovery Qualifier

Limits 113 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-32595/1-A

Matrix: Solid

Chloride

Chloride

Analyte

Chloride

Analysis Batch: 32575

Analyte

Lab Sample ID: LCS 885-32595/2-A

Matrix: Solid

Analysis Batch: 32575

Analyte

Lab Sample ID: 885-31126-1 MS

Matrix: Solid

Analysis Batch: 32575

Lab Sample ID: 885-31126-1 MSD

Matrix: Solid

Analysis Batch: 32575

Sample Sample Analyte Result

Qualifier Chloride ND

Added 29.8

Result

60.2

MSD MSD

LCS LCS

MS MS

Result

ND

Qualifier

Qualifier

Result

14.7

Qualifier

Unit mg/Kg

%Rec NC

Limits 50 - 150

%Rec

RPD NC

Client Sample ID: BH25-16 at 9ft

Eurofins Albuquerque

RPD

Limit

32

Prep Type: Total/NA Prep Batch: 32595

Analyzed Dil Fac

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

Prep Batch: 32595

%Rec Limits 90 - 110

Client Sample ID: BH25-16 at 9ft

Prep Type: Total/NA Prep Batch: 32595

%Rec Limits

Prep Type: Total/NA

Prep Batch: 32595

RPD

Limit

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

GC VOA

Prep Batch: 32449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	5030C	
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	5030C	
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	5030C	
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	5030C	
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	5030C	
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	5030C	
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	5030C	
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	5030C	
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	5030C	
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	5030C	
MB 885-32449/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-32449/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-32449/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-31126-1 MS	BH25-16 at 9ft	Total/NA	Solid	5030C	
885-31126-1 MSD	BH25-16 at 9ft	Total/NA	Solid	5030C	
885-31126-2 MS	BH25-16 at 10ft	Total/NA	Solid	5030C	
885-31126-2 MSD	BH25-16 at 10ft	Total/NA	Solid	5030C	

Analysis Batch: 32908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	8015M/D	32449
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	8015M/D	32449
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	8015M/D	32449
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	8015M/D	32449
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	8015M/D	32449
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	8015M/D	32449
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	8015M/D	32449
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	8015M/D	32449
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	8015M/D	32449
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	8015M/D	32449
MB 885-32449/1-A	Method Blank	Total/NA	Solid	8015M/D	32449
LCS 885-32449/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32449
885-31126-1 MS	BH25-16 at 9ft	Total/NA	Solid	8015M/D	32449
885-31126-1 MSD	BH25-16 at 9ft	Total/NA	Solid	8015M/D	32449

Analysis Batch: 32909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	8021B	32449
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	8021B	32449
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	8021B	32449
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	8021B	32449
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	8021B	32449
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	8021B	32449
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	8021B	32449
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	8021B	32449
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	8021B	32449
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	8021B	32449
MB 885-32449/1-A	Method Blank	Total/NA	Solid	8021B	32449
LCS 885-32449/3-A	Lab Control Sample	Total/NA	Solid	8021B	32449
885-31126-2 MS	BH25-16 at 10ft	Total/NA	Solid	8021B	32449
885-31126-2 MSD	BH25-16 at 10ft	Total/NA	Solid	8021B	32449

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Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

GC Semi VOA

Analysis Batch: 32904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	8015M/D	32910
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	8015M/D	32910
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	8015M/D	32910
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	8015M/D	32910
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	8015M/D	32910
MB 885-32910/1-A	Method Blank	Total/NA	Solid	8015M/D	32910
LCS 885-32910/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32910

Prep Batch: 32910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	SHAKE	
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	SHAKE	
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	SHAKE	
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	SHAKE	
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	SHAKE	
MB 885-32910/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-32910/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 32983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	8015M/D	32997
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	8015M/D	32997
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	8015M/D	32997
MB 885-32997/1-A	Method Blank	Total/NA	Solid	8015M/D	32997
LCS 885-32997/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32997

Analysis Batch: 32994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	8015M/D	32997
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	8015M/D	32997
885-31126-10 MS	BS25-05 at 0ft	Total/NA	Solid	8015M/D	32997
885-31126-10 MSD	BS25-05 at 0ft	Total/NA	Solid	8015M/D	32997

Prep Batch: 32997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	SHAKE	
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	SHAKE	
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	SHAKE	
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	SHAKE	
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	SHAKE	
MB 885-32997/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-32997/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-31126-10 MS	BS25-05 at 0ft	Total/NA	Solid	SHAKE	
885-31126-10 MSD	BS25-05 at 0ft	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 32575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	300.0	32595
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	300.0	32595

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Page 21 of 29

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Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

HPLC/IC (Continued)

Analysis Batch: 32575 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	300.0	32595
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	300.0	32595
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	300.0	32595
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	300.0	32595
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	300.0	32595
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	300.0	32595
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	300.0	32595
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	300.0	32595
MB 885-32595/1-A	Method Blank	Total/NA	Solid	300.0	32595
LCS 885-32595/2-A	Lab Control Sample	Total/NA	Solid	300.0	32595
885-31126-1 MS	BH25-16 at 9ft	Total/NA	Solid	300.0	32595
885-31126-1 MSD	BH25-16 at 9ft	Total/NA	Solid	300.0	32595

Prep Batch: 32595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31126-1	BH25-16 at 9ft	Total/NA	Solid	300_Prep	
885-31126-2	BH25-16 at 10ft	Total/NA	Solid	300_Prep	
885-31126-3	BS25-02 at 1ft	Total/NA	Solid	300_Prep	
885-31126-4	WS25-02 at 0-1ft	Total/NA	Solid	300_Prep	
885-31126-5	BS25-01 at 3ft	Total/NA	Solid	300_Prep	
885-31126-6	WS25-01 at 0-3ft	Total/NA	Solid	300_Prep	
885-31126-7	BS25-03 at 2ft	Total/NA	Solid	300_Prep	
885-31126-8	BS25-04 at 0ft	Total/NA	Solid	300_Prep	
885-31126-9	WS25-03 at 0-2ft	Total/NA	Solid	300_Prep	
885-31126-10	BS25-05 at 0ft	Total/NA	Solid	300_Prep	
MB 885-32595/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-32595/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-31126-1 MS	BH25-16 at 9ft	Total/NA	Solid	300_Prep	
885-31126-1 MSD	BH25-16 at 9ft	Total/NA	Solid	300 Prep	

Client: Vertex

Client Sample ID: BH25-16 at 9ft

Date Collected: 08/12/25 08:00 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 03:35
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 03:35
Total/NA	Prep	SHAKE			32910	BZR	EET ALB	08/21/25 10:00
Total/NA	Analysis	8015M/D		1	32904	EM	EET ALB	08/21/25 17:22
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 17:40

Client Sample ID: BH25-16 at 10ft

Date Collected: 08/12/25 08:30

Date Received: 08/15/25 07:40

Lab Sample ID: 885-31126-2

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 04:46
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 04:46
Total/NA	Prep	SHAKE			32910	BZR	EET ALB	08/21/25 10:00
Total/NA	Analysis	8015M/D		1	32904	EM	EET ALB	08/21/25 17:35
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 18:10

Client Sample ID: BS25-02 at 1ft

Date Collected: 08/12/25 09:00

Date Received: 08/15/25 07:40

Lab Sample ID: 885-31126-3

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 05:57
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 05:57
Total/NA	Prep	SHAKE			32910	BZR	EET ALB	08/21/25 10:00
Total/NA	Analysis	8015M/D		1	32904	EM	EET ALB	08/21/25 17:47
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 18:39

Client Sample ID: WS25-02 at 0-1ft

Date Collected: 08/12/25 09:20

Date Received: 08/15/25 07:40

Lab Samp	le ID: 8	385-311	26-4
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Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 06:20

Lab Sample ID: 885-31126-5

Client: Vertex

Client Sample ID: WS25-02 at 0-1ft Lab Sample ID: 885-31126-4

Date Collected: 08/12/25 09:20 Matrix: Solid Date Received: 08/15/25 07:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 06:20
Total/NA	Prep	SHAKE			32910	BZR	EET ALB	08/21/25 10:00
Total/NA	Analysis	8015M/D		1	32904	EM	EET ALB	08/21/25 18:00
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 18:49

Client Sample ID: BS25-01 at 3ft

Date Collected: 08/12/25 12:00 **Matrix: Solid**

Date Received: 08/15/25 07:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 06:44
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 06:44
Total/NA	Prep	SHAKE			32910	BZR	EET ALB	08/21/25 10:00
Total/NA	Analysis	8015M/D		1	32904	EM	EET ALB	08/21/25 17:10
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 18:59

Client Sample ID: WS25-01 at 0-3ft

Lab Sample ID: 885-31126-6 Date Collected: 08/12/25 12:30 **Matrix: Solid** Date Received: 08/15/25 07:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 07:07
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 07:07
Total/NA	Prep	SHAKE			32997	EM	EET ALB	08/22/25 10:00
Total/NA	Analysis	8015M/D		1	32983	EM	EET ALB	08/22/25 14:30
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 19:09

Client Sample ID: BS25-03 at 2ft Lab Sample ID: 885-31126-7

Date Collected: 08/12/25 13:00 **Matrix: Solid** Date Received: 08/15/25 07:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 07:31
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 07:31

Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Client: Vertex

Client Sample ID: BS25-03 at 2ft

Date Collected: 08/12/25 13:00 Date Received: 08/15/25 07:40 Lab Sample ID: 885-31126-7

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			32997	EM	EET ALB	08/22/25 10:00
Total/NA	Analysis	8015M/D		1	32983	EM	EET ALB	08/22/25 14:42
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 19:19

Client Sample ID: BS25-04 at 0ft

Date Collected: 08/12/25 13:10

Date Received: 08/15/25 07:40

Lab Sample ID: 885-31126-8

Matrix: Solid

matrix. Oona

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 07:54
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 07:54
Total/NA	Prep	SHAKE			32997	EM	EET ALB	08/22/25 10:00
Total/NA	Analysis	8015M/D		1	32983	EM	EET ALB	08/22/25 14:54
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 19:28

Client Sample ID: WS25-03 at 0-2ft

Date Collected: 08/12/25 14:00

Date Received: 08/15/25 07:40

Lab Sample ID: 885-31126-9

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 08:18
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 08:18
Total/NA	Prep	SHAKE			32997	EM	EET ALB	08/22/25 10:00
Total/NA	Analysis	8015M/D		1	32994	EM	EET ALB	08/22/25 14:22
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 19:38

Client Sample ID: BS25-05 at 0ft

Date Collected: 08/12/25 15:00

Date Received: 08/15/25 07:40

Lab Sample ID: 885-31126-10

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8015M/D		1	32908	JP	EET ALB	08/21/25 08:41
Total/NA	Prep	5030C			32449	KLS	EET ALB	08/15/25 13:06
Total/NA	Analysis	8021B		1	32909	JP	EET ALB	08/21/25 08:41
Total/NA	Prep	SHAKE			32997	EM	EET ALB	08/22/25 10:00
Total/NA	Analysis	8015M/D		1	32994	EM	EET ALB	08/22/25 14:33

Lab Chronicle

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Client Sample ID: BS25-05 at 0ft

Lab Sample ID: 885-31126-10 Date Collected: 08/12/25 15:00 Matrix: Solid

Date Received: 08/15/25 07:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			32595	MA	EET ALB	08/18/25 12:39
Total/NA	Analysis	300.0		20	32575	MA	EET ALB	08/18/25 19:48

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex Job ID: 885-31126-1

Project/Site: Todd 24B Fed 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Prog	ram	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-27-26
The following analytes a for which the agency do	' '	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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 [C	10-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	NELA	NP	NM100001	02-26-26

Eurofins Albuquerque

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Received by OCD: 11/3/2025 12:17:54 PM

Phone #: 575.725.5001 25A-01218 - Work Order (1006108201) Project Manager Sally Carttar Sold Carttar Sold Carttar Sally Carttar Sally Carttar Sally Carttar Sally Carttar Sally Carttar Sharon Minnix Sally Carttar Sharon Minnix On Ice:	С			stody Record	Turn-Around	Time:]			н	ΙΔΙ		FN	IV.	TR	ON	ımı	=N7	ΓΑΙ
Mailing Address: 3101 Boyd Dr	Client:	Verte	ex (bill to I	Devon Energy, Jim Raley)		X Stand	dard wush 51	aut		\equiv										
Carlsbad New Mexico 88220 Todd 24B Fed 2 Project #: Tel. 505-345-3975 Fax 505-345-4107 Project Manager Condition: Condition: Az Compliance Sally Carttar Scarttar (Rysertexresource.com Sally Carttar Sally Carttar Scarttar (Rysertexresource.com Sally Carttar Sally Carttar Scarttar (Rysertexresource.com Sally Carttar Sally	Mailing	Address:		3101 Boyd Dr	Project Nam	e:													Į.	
Project #: 575.725.5001 25A-01218 - Work Order (1006108201) Project Manager: Safly Carttar Safly Carttar Safly Carttar Safly Carttar Scarttar@vertexresource.com Accreditation: Az Compliance Sampler: Sharon Minnix On Ice: Preservative Sharon Minnix On Ice: Preservative HEAL No. Type ON ON ON ON ON ON ON ON ON ON ON ON ON			Carlsbac		Т	odd 24B Fed 2	2		49	01 H	lawk								R	4
### Project Manager: OA/OC Package: Sally Carttar Salny Cartar Salny Carttar Salny Carttar Salny Carttar Salny Cartar Salny Carttar Salny Cartar Salny Cartar Salny Carttar Salny Cartar Salny Cart				, , , , , , , , , , , , , , , , , , , ,																1126 COC
OA/OC Package: Standard Level 4 (Full Validation) Sampler: Sharon Minnix Sharon Minnix On Ice: Preservative DOD (Type) # of Coolers: Ooler Temporading on: (5-7-0.2) OA (60 N) OA (70 N) OA (80 N	Phone 7	#:	****	575.725.5001	25A-01218 -	Work Order (1006108201)													
Standard	email o	r Fax#:			Project Mana	ager:)					D 4			£			
8.12.25 8:00 Soil BH25-16 at 9ft 1, 4oz jar ICE X	QA/QC F	Package:			Sally Cartta	r		3021	MRC	B's		NS NS					bser			
8.12.25 8:00 Soil BH25-16 at 9ft 1, 4oz jar ICE X	□ Stan	dard		☐ Level 4 (Full Validation)	SCarttar@ve	ertexresource.c	com	S	101			OSIN					nt/A			
8.12.25 8:00 Soil BH25-16 at 9ft 1, 4oz jar ICE X			□ Az Co	ompliance				Ĭ,	/ DF	3082	1.1)	827		NO ₂			rese			
8.12.25 8:00 Soil BH25-16 at 9ft 1, 4oz jar ICE X			☐ Other					E'	SRO	les/8		0 or	SIS			10A	n (P			
8.12.25 8:00 Soil BH25-16 at 9ft 1, 4oz jar ICE X	□ EDD	(Type)_		T	Cooler Temp	O(including CF):	1-0.7 = 10 E	A FB	5D(G	sticic	thoc		Meta	N.	(A)	-imi	iforn			
8.12.25 8.00 Soil BH25-16 at 9ft 1, 4oz jar ICE X									801		(Me	s by	A 8	1	2	Se (Se	Col			
8.12.25 8.00 Soil BH25-16 at 9ft 1, 4oz jar ICE X	Date	Time	Matrix	Sample Name			HEAL No.		TPH	8081	EDB	PAH	RCR		8260	8270	Total			
8.12.25 9:00 Soil BS25-02 at 1ft 1, 4oz jar ICE X	8.12.25	8:00	Soil	BH25-16 at 9ft	1, 4oz jar	ICE		Х	х											
8.12.25 9:20 Soil WS25-02 at 0-1ft 1, 4oz jar ICE X	8.12.25	8:30	Soil	BH25-16 at 10ft	1, 4oz jar	ICE		х	х					Х						
8.12.25 12:00 Soil BS25-01 at 3ft 1, 4oz jar ICE X	8.12.25	9:00	Soil	BS25-02 at 1ft	1, 4oz jar	ICE		X	х					Х						
8.12.25 12:30 Soil WS25-01 at 0-3ft 1, 4oz jar ICE X	8.12.25	9:20	Soil	WS25-02 at 0-1ft	1, 4oz jar	ICE		х	х					Х						
8.12.25 13:00 Soil BS25-03 at 2ft 1, 4oz jar ICE X	8.12.25	12:00	Soil	BS25-01 at 3ft	1, 4oz jar	ICE		х	х					Х						
8.12.25	8.12.25	12:30	Soil	WS25-01 at 0-3ft	1, 4oz jar	ICE		X	X					х						
8.12.25	8.12.25	13:00	Soil	BS25-03 at 2ft	1, 4oz jar	ICE		х	х					Х						
8.12.25 15:00 Soil BS25-05 at 0ft 1, 4oz jar ICE X X X X X Date Time: Relinquished by: Received by: Via: Date Time Remarks: Work Order # 1006108201.	8.12.25	13:10	Soil	BS25-04 at 0ft	1, 4oz jar	ICE		x	х					х						
Date Time: Relinquished by: Received by: Via: Date Time Remarks: Work Order # 1006108201.	8.12.25	14:00	Soil	WS25-03 at 0-2ft	1, 4oz jar	ICE		Х	х					Х						
A CALL WALL A COLOR OF THE COLO	8.12.25	15:00	Soil	BS25-05 at 0ft	1, 4oz jar	ICE		X	X					X						
A CALL WALL X																				
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	Date		Relinquish	medby: Mirnix			11 1													Direct
Date: Time: Relinquished by: Pecaned by: Vis: Date Time CC. Sally Carttar (SCarttar@vertexresource.com),	Date	_	Relinquial		Received by	MMO	1.1100	-cc	Sall	y Ca	rttar	(SC	artta	ır@v	erte:	xres	ource			
Permian@vertexresource.com, and Sharon Winnix	2) 46/00				Neceived by.) via.	1 - 7:10													
190 Mullin (SMinnix@vertexresource.com) for Final Report.	11/10	1400	\perp \cup \cup \cup	mms <		Lower	81.2152 4.40	(31)	att (CID	\wv	er (e)	VI 62(Julio	e.001	111) 10	JI F-11	ial N	epuit.		







8/26/2025

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-31126-1

Login Number: 31126 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

oreator. Casarrabias, rracy		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Sally Carttar Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220

Generated 10/15/2025 2:19:01 PM

JOB DESCRIPTION

Todd 24B Fed 2

JOB NUMBER

885-35134-1

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 10/15/2025 2:19:01 PM

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

Client: Vertex

Laboratory Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Chain of Custody	15
Receipt Checklists	16

Definitions/Glossary

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

Glossary

MDC

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)

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)

Minimum Detectable Concentration (Radiochemistry)

 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 Job ID: 885-35134-1

Project: Todd 24B Fed 2

Job ID: 885-35134-1 Eurofins Albuquerque

Job Narrative 885-35134-1

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 10/9/2025 7:25 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 1.8°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.

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Client Sample Results

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

Date Received: 10/09/25 07:25

Xylenes, Total

Client Sample ID: BS25-03 at 3ft

Date Collected: 10/06/25 14:05

Lab Sample ID: 885-35134-1

10/12/25 08:14

10/09/25 11:27

Matrix: Solid

Method: SW846 8015M/D - Gas	oline Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		10/09/25 11:27	10/12/25 08:14	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			10/09/25 11:27	10/12/25 08:14	1
– Method: SW846 8021B - Volatile	e Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/09/25 11:27	10/12/25 08:14	1
Ethylbenzene	ND		0.050	mg/Kg		10/09/25 11:27	10/12/25 08:14	1
Toluene	ND		0.050	mg/Kg		10/09/25 11:27	10/12/25 08:14	1

Surrogate	%Recovery Qualit	fier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103	15 - 150	10/09/25 11:27	10/12/25 08:14	1

0.099

mg/Kg

ND

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifici						- Dill ac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/09/25 13:55	10/09/25 22:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/09/25 13:55	10/09/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/09/25 13:55	10/09/25 22:20	

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	51	mg/Kg		10/13/25 09:10	10/13/25 15:12	10

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Client Sample Results

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

Surrogate

4-Bromofluorobenzene (Surr)

Released to Imaging: 11/13/2025 2:42:45 PM

Client Sample ID: WS25-03 at 3ft

Date Collected: 10/06/25 14:10 Date Received: 10/09/25 07:25 Lab Sample ID: 885-35134-2

Analyzed

10/12/25 09:25

Prepared

10/09/25 11:27

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		10/09/25 11:27	10/12/25 09:25	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati	106 le Organic Comp	ounds (GC)	15 - 150			10/09/25 11:27	10/12/25 09:25	1
-	le Organic Comp	ounds (GC)		Unit	D	10/09/25 11:27 Prepared	10/12/25 09:25 Analyzed	1 Dil Fac
Method: SW846 8021B - Volati	le Organic Comp			Unit mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8021B - Volati Analyte	le Organic Comp Result		RL		<u>D</u>	Prepared	Analyzed	Dil Fac 1
Method: SW846 8021B - Volati Analyte Benzene	le Organic Comp Result ND		RL 0.024	mg/Kg	<u>D</u>	Prepared 10/09/25 11:27	Analyzed 10/12/25 09:25	Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/09/25 13:55	10/09/25 22:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/09/25 13:55	10/09/25 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			10/09/25 13:55	10/09/25 22:32	1

Limits

15 - 150

%Recovery Qualifier

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1	motifica. El A 000.0 Amono, ion o	momutogrup	y						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	ND		49	mg/Kg		10/13/25 09:10	10/13/25 15:26	10

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Dil Fac

Prep Batch: 36408

Client Sample ID: BS25-03 at 3ft

Client Sample ID: BS25-03 at 3ft

Prep Type: Total/NA

Job ID: 885-35134-1 Client: Vertex

Project/Site: Todd 24B Fed 2

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

Lab Sample ID: MB 885-36408/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 36530

	мв мв						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND	5.0	mg/Kg		10/09/25 11:27	10/12/25 07:50	1

(GRO)-C6-C10

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	15 - 150	10/09/25 11:27	10/12/25 07:50	1

Lab Sample ID: LCS 885-36408/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 36530

Prep Batch: 36408 Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 25.9 mg/Kg 104 70 - 130

(GRO)-C6-C10

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 214 15 - 150

Lab Sample ID: 885-35134-1 MS

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 36530 Prep Batch: 36408 Sample Sample Spike MS MS %Rec

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits ND 24.7 26.9 109 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 15 - 150 213

Lab Sample ID: 885-35134-1 MSD

Matrix: Solid

Analysis Batch: 36530 Prep Batch: 36408 Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 25.0 Gasoline Range Organics ND 26.7 mg/Kg 107 70 - 130

(GRO)-C6-C10

MSD MSD

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 215 15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Analysis Batch: 36531

Lab Sample ID: MB 885-36408/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 36408

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.025 10/09/25 11:27 10/12/25 07:50 Benzene ND mg/Kg Ethylbenzene ND 0.050 mg/Kg 10/09/25 11:27 10/12/25 07:50 Toluene ND 0.050 10/09/25 11:27 10/12/25 07:50 mg/Kg

Eurofins Albuquerque

Page 8 of 16

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

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

Lab Sample ID: MB 885-36408/1-A **Matrix: Solid**

Analysis Batch: 36531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36408

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		10/09/25 11:27	10/12/25 07:50	1

MB MB

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 100 15 - 150 10/09/25 11:27 10/12/25 07:50

Lab Sample ID: LCS 885-36408/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 36531

Prep Type: Total/NA Prep Batch: 36408

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	1.04		mg/Kg		104	70 - 130	
Ethylbenzene	1.00	1.04		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	2.00	2.11		mg/Kg		105	70 - 130	
o-Xylene	1.00	1.03		mg/Kg		103	70 - 130	
Toluene	1.00	1.04		mg/Kg		104	70 - 130	

LCS LCS

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 108 15 - 150

Lab Sample ID: 885-35134-2 MS Client Sample ID: WS25-03 at 3ft

Matrix: Solid

Analysis Batch: 36531

Prep Type: Total/NA

Prep Batch: 36408

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.944	0.969		mg/Kg		103	70 - 130	
Ethylbenzene	ND		0.944	0.992		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	ND		1.89	1.97		mg/Kg		104	70 - 130	
o-Xylene	ND		0.944	0.966		mg/Kg		102	70 - 130	
Toluene	ND		0.944	0.978		mg/Kg		104	70 - 130	
	MS	MS								

108 4-Bromofluorobenzene (Surr)

Surrogate %Recovery Qualifier Limits 15 - 150

Lab Sample ID: 885-35134-2 MSD

Matrix: Solid

Analysis Batch: 36531

Client Sample ID: WS25-03 at 3ft

Prep Type: Total/NA Prep Batch: 36408

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	ND		0.948	0.999		mg/Kg		105	70 - 130	3	20	
Ethylbenzene	ND		0.948	1.07		mg/Kg		113	70 - 130	7	20	
m-Xylene & p-Xylene	ND		1.90	2.12		mg/Kg		112	70 - 130	8	20	
o-Xylene	ND		0.948	1.05		mg/Kg		111	70 - 130	9	20	
Toluene	ND		0.948	1.02		mg/Kg		108	70 - 130	5	20	

MSD MSD

%Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 109 15 - 150

Prep Batch: 36418

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 36545

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

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

Lab Sample ID: MB 885-36418/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 36385

Prep Batch: 36418 MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 10/09/25 13:54 10/09/25 18:42 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 10/09/25 13:54 10/09/25 18:42

MB MB

Qualifier Limits Prepared Dil Fac Surrogate %Recovery Analyzed Di-n-octyl phthalate (Surr) 105 62 - 134 10/09/25 13:54 10/09/25 18:42

Lab Sample ID: LCS 885-36418/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 36385

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Diesel Range Organics 50.0 44.4 89 51 - 148 mg/Kg

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 85 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-36545/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 36554

мв мв

RL Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac Chloride ND 5.0 mg/Kg 10/13/25 09:10 10/13/25 11:20

Lab Sample ID: LCS 885-36545/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 36554

Prep Batch: 36545 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 49.8 47.1 95 90 - 110 mg/Kg

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

GC VOA

Prep Batch: 36408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35134-1	BS25-03 at 3ft	Total/NA	Solid	5030C	
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	5030C	
MB 885-36408/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-36408/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-36408/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-35134-1 MS	BS25-03 at 3ft	Total/NA	Solid	5030C	
885-35134-1 MSD	BS25-03 at 3ft	Total/NA	Solid	5030C	
885-35134-2 MS	WS25-03 at 3ft	Total/NA	Solid	5030C	
885-35134-2 MSD	WS25-03 at 3ft	Total/NA	Solid	5030C	

Analysis Batch: 36530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35134-1	BS25-03 at 3ft	Total/NA	Solid	8015M/D	36408
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	8015M/D	36408
MB 885-36408/1-A	Method Blank	Total/NA	Solid	8015M/D	36408
LCS 885-36408/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36408
885-35134-1 MS	BS25-03 at 3ft	Total/NA	Solid	8015M/D	36408
885-35134-1 MSD	BS25-03 at 3ft	Total/NA	Solid	8015M/D	36408

Analysis Batch: 36531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35134-1	BS25-03 at 3ft	Total/NA	Solid	8021B	36408
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	8021B	36408
MB 885-36408/1-A	Method Blank	Total/NA	Solid	8021B	36408
LCS 885-36408/3-A	Lab Control Sample	Total/NA	Solid	8021B	36408
885-35134-2 MS	WS25-03 at 3ft	Total/NA	Solid	8021B	36408
885-35134-2 MSD	WS25-03 at 3ft	Total/NA	Solid	8021B	36408

GC Semi VOA

Analysis Batch: 36385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35134-1	BS25-03 at 3ft	Total/NA	Solid	8015M/D	36418
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	8015M/D	36418
MB 885-36418/1-A	Method Blank	Total/NA	Solid	8015M/D	36418
LCS 885-36418/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36418

Prep Batch: 36418

Lab Sample ID 885-35134-1	Client Sample ID BS25-03 at 3ft	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	SHAKE	
MB 885-36418/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-36418/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 36545

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35134-1	BS25-03 at 3ft	Total/NA	Solid	300_Prep	
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	300_Prep	
MB 885-36545/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-36545/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

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Page 11 of 16

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Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

HPLC/IC

Analysis Batch: 36554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-35134-1	BS25-03 at 3ft	Total/NA	Solid	300.0	36545
885-35134-2	WS25-03 at 3ft	Total/NA	Solid	300.0	36545
MB 885-36545/1-A	Method Blank	Total/NA	Solid	300.0	36545
LCS 885-36545/2-A	Lab Control Sample	Total/NA	Solid	300.0	36545

Client: Vertex

Client Sample ID: BS25-03 at 3ft

Date Collected: 10/06/25 14:05

Lab Sample ID: 885-35134-1

Matrix: Solid

Date Received: 10/09/25 07:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			36408	KLS	EET ALB	10/09/25 11:27
Total/NA	Analysis	8015M/D		1	36530	RA	EET ALB	10/12/25 08:14
Total/NA	Prep	5030C			36408	KLS	EET ALB	10/09/25 11:27
Total/NA	Analysis	8021B		1	36531	RA	EET ALB	10/12/25 08:14
Total/NA	Prep	SHAKE			36418	BZR	EET ALB	10/09/25 13:55
Total/NA	Analysis	8015M/D		1	36385	EM	EET ALB	10/09/25 22:20
Total/NA	Prep	300_Prep			36545	MA	EET ALB	10/13/25 09:10
Total/NA	Analysis	300.0		10	36554	MA	EET ALB	10/13/25 15:12

Client Sample ID: WS25-03 at 3ft

Date Collected: 10/06/25 14:10

Date Received: 10/09/25 07:25

Lab Sample ID: 885-35134-2

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			36408	KLS	EET ALB	10/09/25 11:27
Total/NA	Analysis	8015M/D		1	36530	RA	EET ALB	10/12/25 09:25
Total/NA	Prep	5030C			36408	KLS	EET ALB	10/09/25 11:27
Total/NA	Analysis	8021B		1	36531	RA	EET ALB	10/12/25 09:25
Total/NA	Prep	SHAKE			36418	BZR	EET ALB	10/09/25 13:55
Total/NA	Analysis	8015M/D		1	36385	EM	EET ALB	10/09/25 22:32
Total/NA	Prep	300_Prep			36545	MA	EET ALB	10/13/25 09:10
Total/NA	Analysis	300.0		10	36554	MA	EET ALB	10/13/25 15:26

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Vertex Job ID: 885-35134-1

Project/Site: Todd 24B Fed 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Prog	ram	Identification Number	Expiration Date		
New Mexico	State	•	NM9425, NM0901	02-27-26		
,	are included in this report, bes not offer certification.	out the laboratory is not certif	ied by the governing authority. This lis	st may include analytes		
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 [C	10-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	NEL	AΡ	NM100001	02-26-26		

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10/15/2025

Received by OCD: 11/3/2025 12:17:54 PM

C	hain-	of-Cu	stody Record	Turn-Aro	und	Time:	Duch					н	AI	1.1	FN	IVI	[R	ON	ME	NZ	'AL	
Client:	Verte	x (bill to [Devon Energy, Jim Raley)			5 Dav X Stand	ard												OR/		114	
Mailing	Address:		3101 Boyd Dr	Project N	ame	e:												al.co				
		Carlsbac	d, New Mexico 88220			dd 24B Fed 2	?			49	01 H	awk	ins N	1E -	Alb	uque	erqu	e, NN	1871	885-35	134 CO	<u>.</u>
				Project #						Τe	el. 50	5-34	15-39	975	JF	ах	505-	345-	4107		700	C
Phone :	#:		575.725.5001	25A-012	18 (Work order 1	006108201)															
email o	r Fax#:			Project M	lana	ager:				<u> </u>)4			£	1			
QA/QC	Package:			Sally Ca	rtta	r			(8021)	/ MRO)	3,2		S		, SO ₄			sen				
□ Stan	dard		☐ Level 4 (Full Validation)	SCarttar(@ve	ertexresource.c	com		s (8	1/0	PCB's		SIN		PO4,			tAk		15		
Accredi	tation:	□ Az Co	ompliance	Sampler:		Sharon I	Minnix		TMB's	DRO		=	8270SIMS		NO ₂ ,			esen				
□ NEL		□ Other		On Ice:		Yes	□ No			30/	8/8	504		S			JA)	(Pre				
	(Type) _			# of Cool		1	10	12	MTBE	(GF	side	po	310	etal	ON O		i-V	L L				
				Cooler To	emp	(including CF):	.6+4.Z=	18	Σ	15D	Pesticides/8082	(Method 504.1)	9 8	8 N	3r,	/OA	Sem	olife				
Date	Time	Matrix	Sample Name	Containe Type and		Preservative Type	HEAL	No.		TPH:8015D(GRO	8081 P	EDB (N	PAHs by 8310 or	RCRA 8 Metals	CI)F, Br, NO3,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
10.6.25	14:05	Soil	BS25-03	1, 4oz	ar	ICE			х	X					Х		7		1			
10.6.25	14:10	Soil	WS25-03	1, 4oz	ar	ICE			Х	Х					Х							_
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					_														_			
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Date:	Time:	Relinquish	ed by:	Received b		Vįa:	10 1	Time							1006			الوي	y Car		Direct	Bil
1012	815	Palinavial		uim	W	my	10160	815							e.cor		, 00	. Jan	y Cal	LLCI1		
Date: 10 6/25	Time:	Relinquish	ed by.	Received b	y	2 0011.50	,	Time	Peri (Sm										Minn	nix		

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-35134-1

Login Number: 35134 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Cleator. Casarrubias, rracy		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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 521241

QUESTIONS

ı	Operator:	OGRID:
ı	HARVARD PETROLEUM COMPANY, LLC	10155
ı	P.O. Box 936	Action Number:
ı	Roswell, NM 88202	521241
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites							
Incident ID (n#)	nAB1516753239						
Incident Name	NAB1516753239 TODD 24 B FEDERAL #002 @ 30-015-27691						
Incident Type	Oil Release						
Incident Status	Remediation Closure Report Received						
Incident Well	[30-015-27691] TODD 24 B FEDERAL #002						

ocation of Release Source						
Please answer all the questions in this group.						
Site Name	TODD 24 B FEDERAL #002					
Date Release Discovered	02/23/2015					
Surface Owner	Federal					

Incident Details							
Please answer all the questions in this group.							
Incident Type	Oil Release						
Did this release result in a fire or is the result of a fire	No						
Did this release result in any injuries	No						
Has this release reached or does it have a reasonable probability of reaching a watercourse	No						
Has this release endangered or does it have a reasonable probability of endangering public health	No						
Has this release substantially damaged or will it substantially damage property or the environment	No						
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No						

Nature and Volume of Release								
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.								
Crude Oil Released (bbls) Details	Not answered.							
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 80 BBL Recovered: 75 BBL Lost: 5 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 521241

QUESTI	ONS (continued)
Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC P.O. Box 936	10155 Action Number:
Roswell, NM 88202	521241
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	rafety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Roni Kidd Title: Business Manager Email: rkidd@buckhornproduction.com Date: 10/29/2025

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

Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 521241

QUESTIONS (continued)

Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC	10155
P.O. Box 936	Action Number:
Roswell, NM 88202	521241
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that	apply or are indicated. This information must be provided to t	he appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation pla	n approval with this submission	Yes
Attach a comprehensive report demo	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.	
Have the lateral and vertical e	xtents of contamination been fully delineated	Yes
Was this release entirely cont	ained 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 CI B)	60
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	307
GRO+DRO	(EPA SW-846 Method 8015M)	19
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	ne remediation commence	05/09/2025
On what date will (or did) the	final sampling or liner inspection occur	07/14/2025
On what date will (or was) the	remediation complete(d)	07/14/2025
What is the estimated surface	area (in square feet) that will be reclaimed	0
What is the estimated volume	(in cubic yards) that will be reclaimed	0
What is the estimated surface	area (in square feet) that will be remediated	87
What is the estimated volume	(in cubic yards) that will be remediated	20
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.

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 521241

QUESTIONS (continued)

Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC	10155
P.O. Box 936	Action Number:
Roswell, NM 88202	521241
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

4	
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	fJEG1635837366 OWL LANDFILL JAL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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.

Name: Roni Kidd
Title: Business Manager
Email: rkidd@buckhornproduction.com
Date: 10/29/2025

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 5

Action 521241

QUESTIONS (continued)

Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC	10155
P.O. Box 936	Action Number:
Roswell, NM 88202	521241
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 521241

QUESTIONS (continued)

Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC	10155
P.O. Box 936	Action Number:
Roswell, NM 88202	521241
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	511708
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/06/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	200

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	189
What was the total volume (cubic yards) remediated	19
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	189
What was the total volume (in cubic yards) reclaimed	19
Summarize any additional remediation activities not included by answers (above)	As detailed in attached report

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

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

Name: Roni Kidd
Title: Business Manager
Email: rkidd@buckhornproduction.com
Date: 10/29/2025

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QUESTIONS, Page 7

Action 521241

QUESTIONS (continued)

Operator:	OGRID:
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P.O. Box 936	Action Number:
Roswell, NM 88202	521241
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 521241

CONDITIONS

Operator:	OGRID:
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P.O. Box 936	Action Number:
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CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/13/2025