

Incident Number: nAB1815052591

Remediation Closure

Todd 36 D State #002 Section 36, Township 23 South, Range 31 East API: 30-015-27365 County: Eddy Vertex File Number: 23E-05197

Prepared for: Devon Energy Production Company, LP

Prepared by: Vertex Resource Services Inc.

Date: April 2025 Devon Energy Production Company, LP Todd 36 D State #002 Remediation Closure April 2025

Remediation Closure Todd 36 D State #002 Section 36, Township 23 South, Range 31 East API: 30-015-27365 County: Eddy

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Lakin Pullman, B.S. ENVIRONMENTAL SPECIALIST, REPORTING April 23, 2025

Date

Kent Stallings

Kent Stallings, P.G. SENIOR PROJECT MANAGER, REPORT REVIEW April 23, 2025

Date

Devon Energy Production Company, LP	
Todd 36 D State #002	

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Devon Energy Production Company, LP Todd 36 D State #002

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1.0 Introduction

Devon Energy Production Company, LP (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a Remediation Closure for a produced water and crude oil release that occurred on May 10, 2018, at Todd 36 D State #002 API 30-015-27365 (hereafter referred to as the "site"). Devon submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on May 14, 2018. Incident ID number nAB1815052591 was 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 this release, 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

The release occurred on May 10, 2018, due to tank overflow out of the vent line. The incident was reported on May 14, 2018, and involved the release of approximately 8 barrels (bbl) of produced water and 1 bbl of produced oil into unlined earthen containment on the pad site. Approximately 8 bbl of free fluid was removed during initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 19 miles east of Malaga, New Mexico. The legal location for the site is Section 36, Township 23 South and Range 31 East in Eddy County, New Mexico. The release area is located on State 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 at the site on or in proximity to the unlined earthen containment (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 (United States Department of the Interior, Bureau of Land Management, 2018). The surrounding landscape is associated with plains and alluvial fans with elevations ranging between 3,100 and 4,200 feet. The climate is semiarid with average annual precipitation ranging between 10 and 14 inches. Predominant soil textures around the site are well-drained fine sands with negligible 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.

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4.0 Closure Criteria Determination

The nearest active well to the site is a livestock water well located approximately 0.74 miles west-northwest of the location (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 4.22 miles west 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.

The nearest depth to groundwater reference to the site is an exploratory borehole advanced 0.35 miles to the east-northeast on February 6, 2024. The borehole was terminated at 55 feet below ground surface (bgs) without encountering the water surface (New Mexico Office of the State Engineer, 2025). Information pertaining to the depth to ground water determination is included in Appendix B.

Remediation Closure April 2025

l Cooi	dinates: 32.266891,-103.738791	X: 618786	Y: 3570717
Spec	fic Conditions	Value	Unit
	Depth to Groundwater (nearest reference)	>55	feet
1	Distance between release and nearest DTGW reference	1,824	feet
-		0.35	miles
	Date of nearest DTGW reference measurement	Febru	uary 6, 2024
2	Within 300 feet of any continuously flowing watercourse	22,257	feet
	or any other significant watercourse Within 200 feet of any lakebed, sinkhole or playa lake		
3	(measured from the ordinary high-water mark)	25,472	feet
	Within 300 feet from an occupied residence, school,		
4	hospital, institution or church	30,858	feet
	i) Within 500 feet of a spring or a private, domestic fresh		
	water well used by less than five households for	3,908	feet
5	domestic or stock watering purposes, or		
	ii) Within 1000 feet of any fresh water well or spring	4,432	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	12.500	
7	Within 300 feet of a wetland	13,590	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
0	Distance between release and nearest registered mine	54,524	feet
			Critical
	Within an unstable area (Karst Map)	Low	High
9			Medium
			Low
	Distance between release and nearest unstable area	34,780	feet
	Within a 100-year Floodplain	>500	year
10	Distance between release and nearest FEMA Zone A (100- year Floodplain)	31,153	feet
11	Soil Type	F	ine sand
12	Ecological Classification	D	eep sand
13	Geology	Eolian and	piedmont deposits
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	<50' 51-100'

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Devon Energy Production Company, LP Todd 36 D State #002

The closure criteria determined for the release on the active pad are associated with the following constituent concentration limits as presented in Table 2. The closure criteria for areas of impact outside the active pad will also adhere to Paragraph (1) of Subsection D of 19.15.29.13 NMAC for reclamation from surface to 4 feet bgs. The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2 and Table 3 for pad and "pasture", respectively.

Table 2. Closure Criteria for Soils Impacted by a	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	Constituent	Limit											
10,000 mg/l TDS	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

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics BTEX – benzene, toluene, ethylbenzene and xylenes

Table 3. Closure Criteria for Soils to Remediation	on & Reclamation Standa	rds		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit		
0.4 fact brs (10.15.20.12)	Chloride	600 mg/kg		
0-4 feet bgs (19.15.29.13)	TPH (GRO+DRO+MRO)	100 mg/kg		
	Chloride	10,000 mg/kg		
	TPH (GRO+DRO+MRO)	2,500 mg/kg		
DTGW 51-100 feet (19.15.29.12)	GRO+DRO	1,000 mg/kg		
	BTEX	50 mg/kg		
	Benzene	10 mg/kg		

TDS – total dissolved solids

bgs – below ground surface

DTGW – depth to groundwater

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics BTEX – benzene, toluene, ethylbenzene and xylenes

5.0 Remedial Actions Taken

Characterization of the impacted area was completed by Vertex between November 12, 2023, and April 4, 2024. The characterization scope extended south into the pasture beyond the earthen containment to complete horizontal delineation. The impacted area was determined to cover approximately 3,846 square feet based on characterization results as shown on Figure 1. Characterization laboratory results are summarized in Table 4. Daily field reports documenting characterization are included in Appendix C.

Remediation efforts began on March 31, 2025, and were finalized on April 11, 2025. Vertex personnel supervised the excavation of impacted soils. Field screening was completed on a total of 18 sample points and 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). Field screening results were used to identify areas requiring further remediation. Soils were removed to depths of 1 to 4 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Daily Field Reports (DFRs) documenting various phases of the remediation are presented in Appendix C.

Notifications that confirmatory samples were being collected was provided to the NMOCD and are included in Appendix D. Confirmatory composite samples were collected from the base and walls of the excavation in increments no greater than 200 square feet. The total areas of the excavation bases and walls were approximately 2176 and 522 square feet, respectively. A total of 11 excavation base samples and seven excavation wall samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Eurofins Environment Testing Laboratory 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 chloride (EPA Method 300.0). Confirmation sample locations and corresponding laboratory results are presented on Figure 2 and Table 5, respectively. Excavations on pasture were remediated to reclamation criteria.

Upon completion of remedial actions, approximately 1,578 square feet and 59 cubic yards of the pad surface was remediated to closure criteria. Reclamation of the entire 598 square feet and 45 cubic yards of impacted pasture area was completed. Approximately 3,544 square feet and 526 cubic yards of material on the active facility pad currently meet closure criteria but will require reclamation upon cessation of oilfield activities.

6.0 Closure Request

The release area was fully delineated and remediated on April 11, 2025. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a release location where depth to ground water is 51 to 100 feet bgs. Vertex recommends no additional remediation action to address the release at Todd 36 D State #002. Vertex requests that this incident (nAB1815052591) be closed where all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Final reclamation shall take place under 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.

Should you have any questions or concerns, please do not hesitate to contact the project manager Kent Stallings at 346.814.1413 or kstallings@vertexresource.com.

7.0 References

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- New Mexico Bureau of Geology and Mineral Resources. (2025). *Interactive Geologic Map*. Retrieved from https://maps.nmt.edu/
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Devon Energy Production Company, LP Todd 36 D State #002

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 or New Mexico State Land Office, 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.

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TABLES

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	Table 4	I. Characterization Samp	ole Laborat	ory Result	-			.00 feet bg	S	
	Sample Des	cription			Petrole	eum Hydroc				
			Vola	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	eue Beuze (mg/kg)	gay (gay/gatex (Total)	ଇଥି Gasoline Range Organics (ରିବ୍ସ (GRO)	월 Diesel Range Organics (회) (DRO)	월 Motor Oil Range Organics (여) (MRO)	(ero + dro) (mg/kg)	ଅନ୍ଥି ସୁସି Total Petroleum କ୍ଳି Hydrocarbons (TPH)	ଇଁ) Chloride Concentration (ସି
	0	November 12, 2023	ND	ND	ND	25	ND	ND	25	2,400
	2	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	430
BH23-01	4	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	830
	5	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	390
BU122-02	0	November 12, 2023	ND	ND	ND	1,100	2,100	1,100	3,200	80
BH23-02	2	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	300
	0	November 12, 2023	ND	ND	ND	390	930	390	1,320	ND
BH23-03	2	November 12, 2023	ND	ND	ND	16	ND	16	16	ND
	4	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	830
BH23-04	0	November 12, 2023	ND	ND	ND	1,800	2,600	1,800	4,400	430
BH25-04	2	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	130
BH23-05	0	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	67
51125 05	2	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-06	0	November 12, 2023	ND	ND	ND	1,200	2,200	1,200	3,400	180
51120 00	2	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	200
BH23-07	0	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	1,400
	2	November 12, 2023	ND	ND	ND	21	ND	21	21	430
	0	November 12, 2023	ND	ND	ND	15,000	8,500	15,000	23,500	810
BH23-08	2	November 12, 2023	ND	ND	ND	17	ND	17	17	1,200
	4	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	73
BH23-09	0	November 12, 2023	ND	ND	ND	1,000	1,400	1,000	2,400	290
	2	November 12, 2023	ND	ND	ND	ND	ND	ND	ND	110
BH23-10	0	November 12, 2023	ND ND	ND ND	ND	230 ND	500 ND	230 ND	730 ND	ND
	2	November 12, 2023			ND					ND
BH23-11	0	November 12, 2023	ND ND	ND ND	ND ND	25,000 ND	15,000 ND	25,000 ND	40,000 ND	ND 470
	2	November 12, 2023								
BH23-12	0	November 17, 2023 November 17, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	89 270
	0	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-13	2	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	0	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-14	2	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	0	November 17, 2023	ND	ND	ND	2,900	2,100	2,900	5,000	400
BH23-15	2	November 17, 2023	ND	ND	ND	140	310	140	450	ND
	4	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
DU00.46	0	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-16	2	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
DH00 17	0	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-17	2	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
DU33 10	0	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-18	2	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-19	0	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND
DU72-12	2	November 17, 2023	ND	ND	ND	ND	ND	ND	ND	ND



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Client Name: Devon Energy Production Company, LP Site Name: Todd 36 D State #002 NMOCD Tracking #: nAB1815052591 Project #: 23E-05197 Lab Reports: 2311675, 2311C31, 2311C33 and 885-2488-1

	Table 4	I. Characterization Samp	ole Laborat	ory Result	s - Depth t	o Groundv	/ater 51 - 1	.00 feet bg	s	
	Sample Des	cription			Petrole	eum Hydroc	arbons			
			Vola	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	eue Beuzeue (mg/kg)	(gg/kg)	월 영국(GRO) (영지) (GRO)	ad Diesel Range Organics (회) (DRO)	agi Motor Oil Range Organics (회)(MRO)	(GRO + DRO) (mg/	ଅନ୍ଥି ସୁସି Total Petroleum କ୍ଲିମ୍ପୁ Hydrocarbons (TPH)	ی) (fay/Bay) (fay/boncentration
DU122.20	0	November 18, 2023	ND	ND	ND	17	ND	17	17	800
BH23-20	2	November 18, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-21	0	November 18, 2023	ND	ND	ND	26,000	17,000	26,000	43,000	ND
BH25-21	2	November 18, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-22	0	November 18, 2023	ND	ND	ND	7,200	4,700	7,200	11,900	ND
BH23-22	2	November 18, 2023	ND	ND	ND	260	490	260	750	180
BH23-23	0	November 18, 2023	ND	ND	ND	370	930	370	1,300	ND
B1125-25	2	November 18, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-24	0	April 4, 2024	ND	ND	ND	ND	ND	ND	ND	15
51125-24	2	April 4, 2024	ND	ND	ND	11	ND	11	11	15

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

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

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

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Client Name: Devon Energy Production Company, LP Site Name: Todd 36 D State #002 NMOCD Tracking #: nAB1815052591 Project #: 23E-05197 Lab Reports: 885-22760-1, 885-23045-1, 885-23300-1, and 885-23304-1

	Table 3. Confirmatory Sample Laboratory Results Sample Description Petroleum Hydrocarbons													
	Sample Des	cription			Petrole	eum Hydroc	arbons							
			Vola	atile			Extractable			Inorganic				
Sample ID	Depth (ft)	Sample Date	eue Beuze (mg/kg)	(by/gg/) (gy/gg/)	ଇଥି ଅସି Gasoline Range Organics (ସିମ୍ବ)	a) Diesel Range Organics (회)(DRO)	සු Motor Oil Range Organics කි (MRO)	(mg) (GRO + DRO)	ଞ୍ଚି Total Petroleum କ୍ରି Hydrocarbons (TPH)	یل) (ay/Ba) (ay/Ba)				
					Dep	oth to Grour	ndwater 51-	100ft						
BS25-01	1	April 4, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
BS25-02	1	April 4, 2025	ND	ND	ND	380	380	380	760	ND				
BS25-03	1	April 4, 2025	ND	ND	ND	66	73	66	139	290				
BS25-04	1	April 4, 2025	ND	ND	ND	160	140	160	300	ND				
BS25-05	1	April 4, 2025	ND	ND	ND	170	130	170	300	310				
BS25-06	4	April 8, 2025	ND	ND	ND	54	130	54	184	72				
BS25-07	1	April 8, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
BS25-08	1	April 8, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
BS25-09	1	April 8, 2025	ND	ND	ND	190	180	190	370	ND				
BS25-10	1	April 11, 2025	ND	ND	ND	60	63	60	123	ND				
BS25-11	1	April 11, 2025	ND	ND	ND	240	190	240	430	ND				
WS25-01	0-1	April 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
WS25-02	0-1	April 8, 2025	ND	ND	ND	ND	ND	ND	ND	97				
WS25-03	0-1	April 4, 2025	ND	ND	ND	55	59	55	114	120				
VV325-05	0-1	April 4, 2025	ND	ND	ND	ND	ND	ND	ND	190				
WS25-04	0-1	April 11, 2025	ND	ND	ND	ND	ND	ND	ND	110				
WS25-05	0-1	April 8, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
WS25-06	0-4	April 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
WS25-07	0-4	April 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND				
Backfill-01	-	April 4, 2025	ND	ND	ND	22	ND	22	22	360				
Backfill-02	-	April 4, 2025	ND	ND	ND	ND	ND	ND	ND	ND				

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

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

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

Bold and blue shaded indicates re-collected sample results inside NMOCD Remediation Closure Criteria

APPENDIX A - NMOCD C-141 Reports

Astrict 1 625 N. French District II 811 S. First St., District III 000 Rio Brazo District IV	Dr., Hobbs, Artesia, NM os Road, Azto	188210		St Energy Mi Oil (1220	inerals Conser) South	New Mex and Natura vation Di- n St. France, NM 875	ll Resources vision eis Dr. DIS	RECEIVED MAY 2 3 2018 Submit I Copy to appropr accordance w DISTRICT II-ARTESIA O.C.D.				Page 20 of Form C-141 d April 3, 2017 trict Office in 5.29 NMAC.
			Rel	ease Notifi	cation	n and Co	orrective A	ction				
NABI	81505	2591				OPERA	TOR	D	Initi	al Report		Final Report
Name of Co	ompany I	Devon Energ		ion Company [0137	Contact Me	rle Lewis, Prod	uction Fo			_	
		Rivers Hwy		NM 88210			No. 575-748-33	71				
Facility Na	me Todd :	36D State 2 I	Battery			Facility Typ	be Battery					
Surface Ow	vner Feder	al		Mineral (Owner S	State	-		API No	. 30-015-2	7365	
				LOC	ATIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	-	/South Line	Feet from the	East/We	st Line	County		1
D	36 23S 31E 330'				FNL		330'	FWL		Eddy		
								1				
			Lat	itude_32.2672	234_Lo	ongitude_10	3.7389755_ N	AD83				
						OF REL						
Type of Rele	ease			INAL	UKE	Volume of		10	Volume I	Recovered		-
Oil & produc	ced water	_					8bbls produced v			& 7.5bbls p		d water
Source of Re		in the second				A REAL PROPERTY OF A READ REAL PROPERTY OF A REAL P	lour of Occurren			Hour of Dis		
Vent line off Was Immedi						If YES, To	018 @ 11:00 Am		May 10,	2018 @ 11:0	0 AM	
	and i tottee		Yes	No Not R	equired							
By Whom?						Date and I	Hour					
Was a Water	rcourse Rea						olume Impacting	the Water	course.			
		L	Yes 🛛	No		N/A						
If a Waterco N/A	urse was Ir	npacted, Desc	ribe Fully.	•								
Two-phase s leak. Describe Ard	ea Affected ely 1bbl oil	and Cleanup & 8bbls prod	ed forcing	fluid over the top								
regulations a public health should their or the enviro	all operators of the environment operations	s are required ironment. Th have failed to	to report a e acceptan adequately OCD acce	e is true and com nd/or file certain ce of a C-141 rep y investigate and ptance of a C-141	release n ort by th remediat	notifications a ne NMOCD n te contaminat	and perform corre narked as "Final I ion that pose a th we the operator of	ctive actio Report" do reat to gro responsib	ns for rel es not rel und wate ility for c	leases which lieve the ope r, surface wa compliance v	may er rator of ater, hu with any	ndanger Fliability man health
Signature: S		200		_		Approved by	OIL CON	40	1/4 L	DIVISIO		
Printed Nam	e: Sheila F	lisher			-						-	
Title: Field	Admin Sup	port				Approval Da	ite: 5 29/18	B E	piration	Date: NI	A	
E-mail Addr	ress: Sheila	.Fisher@dvn.	com			Conditions of	of Approval:		1	Augebra		1
Date: 5/14/1	18		Ph	one: 575 748 18	29		See) at	tach	ea	Attached	AN	24773

* Attach Additional Sheets If Necessary

APPENDIX B – Closure Criteria Research Documentation



Water Column/Average Depth to Water

CLW#### the POD ffix indicates e POD has en replaced no longer ves a water ht file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)				ers are est to lar	gest)				(NAD83 UTM	И in meters)			(In feet)	(In feet)	(In feet)
DD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	Y	Мар	Distance	Well Depth	Depth Water	Water Co l umn
04790 POD1		CUB	ED	SE	SE	SW	25	235	31E	619309.4	3570904.8	0	556	55		
02348		С	ED	NW	SE	SW	26	23S	31E	617647.5	3571068.0	0	1191	700	430	270
02258		С	ED		SW	NE	26	235	31E	618055.0	3571853.0 *	۲	1350	662		
04746 POD1		CUB	ED	SW	SE	SW	36	235	31E	619225.7	3569417.8		1371	105		
														Average [epth to Wa	ter: 430 fe
														Minimum	Depth: 430	feet
														Maximum	Depth: 430	feet
							_									
ord Count:	4															

Easting: 618786 Northing: 3570717 Radius: 002000

* UTM location was derived from PLSS - see Help

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4/13/25 12:38 PM MST

Water Column/Average Depth to Water

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			•	re 1=NW 2=NI rs are smallest		SE			NAD83 UTM	in meters	
Well Tag	POD	Nbr	Q64	Q16	Q4	Sec	Tws	Rng	х	Y	Мар
NA	C 0479	90 POD1	SE	SE	SW	25	235	31E	619309.4	3570904.8	۲
* UTM location	ı was de	rived from F	PLSS – see H	elp							
Driller Licer	ıse:	1833	Dri	ler Compai	ıy:	VISION R	esourg	ces, Inc			
Driller Nam	ie:	JASON M	1ALEY								
Drill Start D	Date:	2024-02-	06 Dri	l Finish Dat	te:	2024-02-	06		Plug Dat	e: 2	024-02-10
Log File Dat	te:	2024-02-	26 PC \	V Rcv Date	:				Source:		
Pump Type	:		Pip	e Discharge	e Size:				Estimate	d Yield:	
Casing Size	:	2.00	Dep	oth Well:		55			Depth W	ater:	

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Point of Diversion Summary

Water Right Summary

e	WR F	ile Numbe	r: C 04	1790				Su	ubbasin:	CUB	Cross Refe	rence:		
<u>get image</u>	Prima	ary Purpos	e: MO	N МС	ONITORIN	NG WELI	L							
<u>list</u>	Prima	ary Status:	PM	[Pern	nit									
	Total	Acres:						Su	ubfi l e:		Header:			
	Total	Diversion:	0.00	0				Ca	ause/Case:					
	Owne	er:	DEV	'ON E	NERGY F	RESOUR	CES	0	wner Class:	Owner				
	Conta	act:	DAL	e wc	ODALL									
Documents of	n File													
													(acre-fee	et per annum)
Transaction Images	Trn #	Doc F	ile/Act		Status 1	Status 2		ncoctio	on Desc.		From/To	Acres	Diversion	Consumptive
inages	1111 #	DOC	ne/Act			2	114	iisacuic	n Desc.			Acres	Diversion	consumptive
<u>get images</u>	<u>753931</u>	EXPL 2	2023-12-1	1	PMT	APR	C 04	4790 P	OD1		Т	0.000	0.000	
•														•
Current Points	s of Dive	rsion												
POD Number	Well Tag	Source	Q64	Q16	5 Q4	Sec	Tws	Rng	x	Y	Мар	Other Lo	cation Desc	
<u>C 04790 POD1</u>	NA		SE	SE	SW	25	235	31E	619309.4	3570904.8	8 🎯			
* UTM location was	derived fror	n PLSS - see	Help											

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4/13/25 12:46 PM MST

Water Rights Summary

USE DIT FE8 26 2024 PM2:1 ...



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

N	OSE POD NO. (W C4790-POD1	ELL NO)		WELL TAG ID S C4790	NO.		OSE FILE NO(C04790	S).			
DCATIC	WELL OWNER M Devon Energy							PHONE (OPTI	ONAL)			
VELL LO	well owner M 205 E Bender							CITY Hobbs		state NM	88240	ZIP
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)	1.1.1	D TITUDE NGITUDE	EGREES 32 -103	MINUTES 16 43	6	0.708 N 9.556 W		REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A SE	COND	
1. GENI	DESCRIPTION I	-		O STREET ADI	DRESS AND COMM	ION LAND	MARKS - PL	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAD	LABLE	
-	LICENSE NO. 1833		NAME OF LICENSEI	DRILLER	Jason Maley				and the second se			
	DRILLING STAR 2-6-24	TED	DRILLING ENDED 2-6-24	DEPTH OF C	COMPLETED WELL 55'	(FT)	BORE HO	DLE DEPTH (FT) 55'	DEPTH WATER FIR	ST ENCOU Dry	NTERED (FT)	
z	COMPLETED W	ELL IS;	ARTESIAN *add Centralizer info b	DRY HO	ole 🔲 shal	LOW (UN	CONFINED)		WATER LEVEL PLETED WELL (D' D	ATE STATIC 2-10	
VIIO	DRILLING FLUI	D:	AIR	MUD	ADDI	TIVES - SI	PECIFY:					
RMA	DRILLING METH	IOD: 🔽	ROTARY 🗌 HAM	MER 🗌 CA	BLE TOOL 🔲 O	THER – SI	PECIFY:		CHECK INSTAL	HERE IF P	ITLESS ADAI	PTER IS
NFO	DEPTH (fee	t bgl)	BORE HOLE	CASING	G MATERIAL A	ND/OR		LODIG	CASING	CASD	C WALL	
ASING I	FROM	то	DIAM (inches)		GRADE e each casing strin e sections of scree		CON	ASING NECTION TYPE pling diameter)	INSIDE DIAM. (inches)	THIC	KNESS	SLOT SIZE (inches
& C	0	45'	6"		2" PVC SCH40			Thread	2"	S	CH40	N/A
2. DRILLING & CASING INFORMATION	45'	55'	6"		2" PVC SCH40			Thread	2"	NM 8824		.02
-	DEPTH (fee	t bgl)	BORE HOLE	LIST ANN	NULAR SEAL MA	FERIAL A		L PACK SIZE-	AMOUNT	T	метно	D OF
ERIAL	FROM	TO	DIAM. (inches)	*(if using C	entralizers for Art		ls- indicate th	e spacing below)	(cubic feet)		PLACEN	IENT
3. ANNULAR MATERIAL												
3.												_
	OSE INTERNA	2 D 15 15							0 WELL RECORD	1	ersion 09/2	2/2022)
	ATION 73		10 1E. 25. 44	13	POD	NO.		WELL TAG I	1221	31	PAGE	1 OF 2
	10	0.0	1.03. 1.	12				HELL MOL				

	DEPTH (fee	et bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED YIELD FOR
	FROM	TŌ	THICKNESS (fect)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZON (attach supplemental sheets to fully describe all units)	and the second se	WATER- BEARING ZONES (gpm
	0	40'	40'	Red dirt with small rocks	Y VN	1
	40'	55'	15'	Tan fine sand with small rocks	Y √N	1
	1				Y N	
					Y N	
L					Y N	
					Y N	
					Y N	
					Y N	
3 L					Y N	
					Y N	
				A	Y N	
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			1. The second se		Y N	
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i L	1.1.1				Y N	
			· · · · · ·		Y N	
L					Y N	
L					Y N	
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L		12.1			Y N	-
					Y N	
3	METHOD US	ED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED WELL YIELD (gpm)	0
	PUMP		IR LIFT	BAILER OTHER - SPECIFY: Dry	WELL HELD (gpm)	
5	WELL TEST			CH A COPY OF DATA COLLECTED DURING WELL TESTING, I IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN O		
	MISCELLAN	EOUS INI	FORMATION:		05E DII FEB 26 202	g phyZiQiq
	PRINT NAME	(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO	ONSTRUCTION OTHER 1	HAN LICENSE
5						
-		CORD O	F THE ABOVE D	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BI ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL DAYS AFTER COMPLETION OF WELL DRILLING:		
			Wa	Jason Maley	A-121	24
		SIGNAT		eV	0-(2) date	24
			URE OF DRILLEI	A PRINT SIGNEE NAME	VELL RECORD & LOG (V	24



U.S. Fish and Wildlife Service National Wetlands Inventory

Todd 36 D State 2 - Watercourse 22,257' away (4.22 mi)





U.S. Fish and Wildlife Service National Wetlands Inventory

Todd 36 D State #2 Playa 25,472 ft



December 14, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- - **Freshwater Pond**

Freshwater Emergent Wetland

- Freshwater Forested/Shrub Wetland
 - Other Riverine

Lake

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a odd 36 D State #002

-

R 16

9

10 0

Nearest Residence

-

M R

腰腦

earest Residence: 0,858' away (5.84 mi)

797



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797

Todd 36 D State #002

0

Google Earth

Todd 36 D State #002

ia-

2 mi

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)			ers are 1 ers are s)	(NAD83 UTM	in meters)		(meters)
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q64	q16	q4	Sec	Tws	Range	x	Y	Мар	Distance
<u>C 02602</u>	с	SAN	0.000	Pogo produc i ng Company	ED	<u>C 02602</u>						NE	NE	35	235	31E	618471.0	3570650.0 *	0	322.0
<u>C 04790</u>	CUB	MON	0.000	DEVON ENERGY RESOURCES	ED	<u>C 04790 POD1</u>	NA				SE	SE	SW	25	235	31E	619309.4	3570904.8	٠	556.1
<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	•	1,191.4
<u>C 02258</u>	с	PRO	0.000	DEVON ENERGY CORP. (NEVADA)	ED	<u>C 02258</u>						SW	NE	26	235	31E	618055.0	3571853.0 *	0	1,350.9
<u>C 04746</u>	CUB	MON	0.000	DEVON ENERGY RESOURCES	ED	<u>C 04746 POD1</u>	NA				SW	SE	SW	36	235	31E	619225.7	3569417.8	0	1,371.6

Record Count: 5

Filters Applied:

UTM Filters (in meters): Easting: 618786 Northing: 3570717 Radius: 002000

Sorted By: Distance

* UTM location was derived from PLSS - see Help

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4/13/25 12:40 PM MST

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Active & Inactive Points of Diversion

Received by OCD: 4/28/2025 2:01:17 PM

				NE 3=SW 4=SE st to largest				NAD83 UTM	in meters			
Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	х	Y	Мар)	
	C 02348	NW	SE	SW	26	23S	31E	617647.5	3571068.0	۲		
UTM locatio	on was derived fi	rom PLSS - see	Help									
Driller License:	1654	Driller Compar	ıy:	NOT WORKI	NG FO	R HIRE-	-SIRMA	N DRILLING ,	and constr	UC		
Driller Name:	JOHN S I RM	1AN										
Drill Start Date:	2013-10-3 ⁻	Drill Fin Date:	ish	2013-11-01							Plug Date:	
Log File Date:	2013-11-07	7 PCW Rc Date:	v								Source:	Shallov
Pump Type:		Pipe Discharg Size:	ge								Estimated Yield:	10
Casing Size:	6.00	Depth V	Vell:	700							Depth Water:	430

Water Bearing Stratifications:

Тор	Bottom	Description
15	125	Sandstone/Gravel/Conglomerate
315	700	Sandstone/Gravel/Conglomerate

Casing Perforations:

Тор	Bottom
560	620
680	700

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4/13/25 12:55 PM MST

<u>get image</u> <u>list</u>

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
	<u>755955</u>	COWNF	2024-01-31	CHG	PRC	C 02348	Т	0.000	0.000	
💮 <u>get images</u>	<u>633178</u>	COWNF	2018-09-17	CHG	PRC	C 02348	Т		0.000	
get images	<u>491413</u>	72121	2011-12-14	PMT	LOG	C 02348: SUBSEQUENT STK PERMIT	Т		3.000	
	<u>422940</u>	COWNF	2009-02-02	CHG	PRC	C 02348	Т		0.000	
	<u>154822</u>	COWNF	1998-09-09	CHG	PRC	C 02348	Т	0.000	0.000	
	<u>154817</u>	DCL	1998-09-09	DCL	PRC	C 02348	Т	0.000	3.000	
4										

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	х	Y	Мар	Other Location Desc
<u>C 02348</u>		Shallow	NW	SE	SW	26	235	31E	617647.5	3571068.0	۲	
* UTM location wa	s derived fron	n PLSS - see l	Help									

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4/13/25 12:53 PM MST

Water Rights Summary

		q		re 1=NW 2=NE rs are smallest t					NAD83 UTM	n meters	
Well Tag	POD	Nbr Q	Q64	Q16	Q4	Sec	Tws	Rng	x	Y	Мар
	C 022	58		SW	NE	26	23S	31E	618055.0	3571853.0 *	۲
* UTM location	1 was de	rived from	m PLSS -	see Help							
Driller Licer	nse:	421		Driller Con	npany:	GLEN	NN'S W	ATER WI	ELL SERVICE		
Driller Nam	ne:	CORKY	y gleni	N							
Drill Start D	Date:	1992-0	09-18	Drill Finish	Date:	1992	-09-18			Plug Date:	
Log File Dat	te:	1992-0	09-25	PCW Rcv E	Date:					Source:	
Pump Type	:			Pipe Disch	arge Size:					Estimated Y	ield:
Casing Size	:			Depth Wel	l:	662				Depth Wate	r:

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4/13/25 1:04 PM MST

Point of Diversion Summary

Water Right Summary

E	WR File	Number	C 022	58							Su	ubbas	sin:	С	Cross	Reference:
<u>get image</u> list	Primary	y Purpose	: PRO 7	72-12-	1 PROSP	PECTING	G OR DE	EVELOPI	MENT OF NA	TURAL RESOL	IRCE					
	Primary	y Status:	PMT F	Permit												
	Total A	cres:									Su	ubfile			Heade	r:
	Total D	iversion:	0.000								Ci	ause/(Case:			
	Owner:		DEVO	N ENE	ERGY CO	RP.(NE	VADA)					wner lass:		0		
											C	ld55.		w n e		
														r		
	Contac	t:	CHAR	LES W	. HORSN	MAN										
Documents o	n Fi l e															
Documents o Transaction Images	n File Trn #	Doc	File/Act		Status 1	Stat 2		ransacti	on Desc.		From/T	īo A	Acres	Dive	(acre-fee	et per annum) Consumptive
Transaction	Trn #	Doc 72121	File/Act				T	ransacti	on Desc.		From/T	īo 4	Acres	Dive 3.000	ersion	
Transaction Images get images	Trn # 469242 s of Dive	72121 rsion	1992-05	-27	1 EXP	2 EXP	C	02258		γ	Т			3.000	ersion 0	
Transaction Images	Trn #	72121	1992-05		1 EXP	2	T		on Desc. X 618055.0	Y 3571853.0	Т		Acres	3.000	ersion 0	Consumptive

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4/13/25 1:00 PM MST

Water Rights Summary



U.S. Fish and Wildlife Service National Wetlands Inventory

Todd 36 D State #2 Wetland 13,590 ft



December 14, 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.

National Wetlands Inventory (NWI)

This page was produced by the NWI mapper
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Todd 36 D State #002 Mine 54,254ft



- * Aggregate, Stone etc.
 - Potash

Esri, NASA, NGA, USGS, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS



Recei

ed by OCD: 4/28/2025 2:01:17 PM

National Flood Hazard Layer FIRMette

250

500

1,000

1.500

2.000



Legend

regulatory purposes.

03°44'39"W 32°16'17"N SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU Without Base Flood Elevation (BFE) Zone A. V. AS With BFE or Depth Zone AE, AO, AH, VE, A SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 0.2% Annual Chance Flood Hazard, Arbas of 1% annual chance flood with average depth less than one foot or with drain 💒 areas of less than one square mile zolo 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 Zon FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs P . P. OTHER AREAS Area of Undetermined Flood Hazard Zone D GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES LIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation AREA OF MINIMAL FLOOD HAZARD Eddy County Coastal Transect Base Flood Elevation Line (BFE) 350120 Limit of Study Jurisdiction Boundary — --- Coastal Transect Baseline OTHER 35015C1425D Profile Baseline FEATURES Hydrographic Feature 6/4/2010 Not Printed 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 an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/17/2023 at 3:34 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, S legend, scale bar, map creation date, community identifiers, Ś FIRM panel number, and FIRM effective date. Map images for ____ 103°44'2"W 32°15'47"N Feet 1:6,000 unmapped and unmodernized areas cannot be used for

Basemap Imagery Source: USGS National Map 2023

odd 36 D State #002

N I

-

Sistance to 100 year Floodplan (1,153' away (5.9 mi)



100 Year Floodplain

🕹 31,153' (5**.**9 mi)

Todd 36 D State #002

Todd 36 D State #002

2 mi

Google Earth

3

4. 5



United States Department of Agriculture

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







Received by OCD: 4/28/2025 2:01:17 PM

MAP INFORMATION

Released to Imaging: 6/26/2025 1:28:41 PM

MAP LEGEND



Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q Elevation: 3,100 to 4,200 feet Mean annual precipitation: 10 to 14 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 190 to 230 days Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent *Berino and similar soils:* 35 percent *Minor components:* 15 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Kermit

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Talf, rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent Depth to restrictive feature: More than 80 inches Drainage class: Excessively drained Runoff class: Negligible Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr) Depth to water table: More than 80 inches Frequency of flooding: None Frequency of ponding: None Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm) Sodium adsorption ratio, maximum: 1.0 Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BD005NM - Deep Sand Hydric soil rating: No

Description of Berino

Setting

Landform: Plains, fan piedmonts Landform position (three-dimensional): Riser

Custom Soil Resource Report

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 50 inches: fine sandy loam H3 - 50 to 58 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 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent *Hydric soil rating:* No

Ecological site R070BD005NM Deep Sand

Accessed: 12/14/2023

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.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on terraces, Piedmonts, dunes fields, or upland plains. Parent material consists of eolian deposits and alluvium derived from sandstone. Slopes range from 0 to 15 percent, usually less than 5 percent. Low, stabilized hummocks or dunes frequently occur. Elevations range from 2,842 to 4,500 feet.

Landforms	(1) Dune(2) Parna dune(3) Terrace
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft
Slope	0–15%
Aspect	Aspect is not a significant factor

Table 2. Representative physiographic features

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 is in late March or early April, and the first killing frost is in late October or early November.

Both temperature and moisture favor warm season perennial plant growth. During years of abundant winter and early spring moisture, cool season growth and annual forbs, make up an important component of this site. Strong Released brow mentals brow mental during a critical period for cool 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 deep or very deep. Surface textures are sand loam, fine sand or loamy fine sand, Underlying material textures are loamy fine sand, fine sand, sand or fine sandy loam. Because of the coarse textures and rapid drying of the surface, the soil, if unprotected by plant cover and organic residue, becomes windblown and low hummocks or dunes are formed around shrubs.

Characteristic soils are: Anthony Aguena Kermit Likes Pintura Bluepoint

Table 4. Representative soil features

Surface texture	(1) Sand (2) Fine sand (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to excessively drained
Permeability class	Moderate to very rapid
Soil depth	60–72 in
Surface fragment cover <=3"	0–5%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	3–5 in
Calcium carbonate equivalent (0-40in)	5–15%
Electrical conductivity (0-40in)	0–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0-2
Soil reaction (1:1 water) (0-40in)	6.6–7.8

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Subsurface fragment volume >3" 0% (Depth not specified)

Ecological dynamics

Overview

The Deep Sand site occurs adjacent to and/or intergraded with the Sandhills and Sandy sites (SD-3). The Deep Sand site can be distinguished by slopes less than eight percent (approximately five percent) and textural changes at depths greater than 40 inches. The Deep Sand site has well drained soils with a surface texture of sand or loamy fine sand. The Sandhills site has slopes greater than eight percent and textural depths greater than 60 inches. Conversely, the Sandy site has slopes less than five percent and depths to textural change commonly around 20 inches. The historic plant community of the Deep Sand site is dominated primarily by giant dropseed (*Sporobolus giganteus*) and other dropseeds (*S. flexuosus, S. contractus, S. cryptandrus*), with scattered shinnery oak (*Quercus havardii*) and soapweed yucca (*Yucca glauca*). Other herbaceous species include threeawns (Aristida spp.), bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), and annual and perennial forbs distributed relative to precipitation occurrences. Bare ground and litter compose a significant proportion of ground cover while grasses are the remainder. Shinnery oak will increase with an associated decrease in dropseed and bluestem abundance possibly due to climatic change, fire suppression, interspecific competition, and excessive grazing. Continued grass cover loss may result in a transition to a shinnery oak dominated state with increases in sand sage (*Artemisia filifolia*) and honey mesquite (*Prosopis glandulosa*). However, brush management may restore the grassland component and reverse the shinnery oak state back toward the historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram)

MLRA-42, SD-3, Deep Sand



1.a Climate, fire suppression, competition, over grazing

1.b Brush control, Prescribed grazing

Historic Climax Plant Community

State Containing Historic Plant Community Grassland: The historic plant community is dominated by giant dropseed, other dropseeds, threeawns, and bluestems. Dominant woody plants include shinnery oak and soapweed yucca. Forb abundance and distribution varies and is dependent on annual rainfall. The Deep Sand site typically exists in sandy plains and dunes (Sosebee 1983). Grass dominance stabilizes the potentially erosive sandy soils. Historical fire suppression, however, may have contributed to increased woody plant abundance, which has reduced grass species. Further, drought conditions compounded with excessive grazing likely has driven most grass species out of competition with shrubs which has resulted in a shinnery oak dominated state with sand sage and mesquite (Young et al. 1948). Diagnosis: Grassland dominated by dropseeds, threeawns, and bluestems. Small shrubs, such as shinnery oak and soapweed yucca, and subshrubs are dispersed throughout the grassland. Other grasses that could appear on this site would include: flatsedge, almejita signalgrass, big bluestem, Indiangrass, fall witchgrass, hairy grama and red lovegrass Other shrubs include: fourwing saltbush, mesquite, ephedra and broom snakeweed. Other forbs include: wooly and scarlet gaura, wooly dalea, phlox heliotrope, scorpionweed, deerstongue, fleabane, nama, hoffmanseggia, lemon beebalm and stickleaf.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	
Grass/Grasslike	396	858	1320
Shrub/Vine	108	234	360
Forb	96	208	320
Total	600	1300	2000

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	15-20%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	35-40%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	35-40%

Figure 5. Plant community growth curve (percent production by month). NM2805, HCPC. SD-3 Deep Sand - Warm season plant community .

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

State 2 Shinnery Oak Dominated

Community 2.1 Release innance ask Dominated 1 PM

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Submerry outs and said same Large bare patches and soil blowouts in edjacent sandhulis · Extensive thizanes reduce soil erosion · Roovell ories Send bluecton, these sense, giant

caraton, spiles dropesed, Hall's perioan, little bluesten

Shinnery bak-Dominated



Shinnery oak-Dominated





bush, and cand cage · Pintura series loggery fine send

Feather daiss, mesquits, Shinesery oak, buch muhly, four-wing calibusis; javelina

· Shinesery oak and dropeseds Grass cover minimizes bare not ches and erostom

Shinnery Oak Dominated: This state is dominated by shinnery oak with subdominants of sand sage or mesquite. Bare ground is a significant component in this state as well. shinnery oak is characterized by dense stands in sandy soils; however, as clay percentage increases, shinnery oak decreases. Shinnery oak abundance and distribution increase with disturbances, such as excessive grazing and fire, due to an aggressive rhizome system. As shinnery oak abundance increases, an associated increase of mesquite, sand sage, and soapweed yucca also occurs. Shinnery oak's extensive root system allows the oak to competitively exclude grasses and forbs. Sand sage, however, stabilizes light sandy soils from wind erosion and can co-exist with herbaceous species by protecting them in heavily grazed conditions (Davis and Bonham 1979). Shinnery oak has been found primarily in very deep, excessively drained, and rapidly permeable soils. Shinnery oak is associated with landforms which are gently undulating to rolling uplands, very gently sloping to moderately steep slopes, and upland plains, alluvial fans and valley sideslopes. Shinnery oak and sand sage can be controlled with herbicide if applied in the spring with a subsequent rest from grazing (Herbel et al. 1979, Pettit 1986). In addition, repetitive seasons of goat browsing can also reduce shinnery oak abundance. Patches should be maintained during brush control, however, to prevent erosion and to provide wildlife cover and forage. Further, as shinnery oak and other shrubs increase, bare patches and erosion will increase due to a lack of herbaceous ground cover. Diagnosis: Shinnery oak dominated with subdominant sand sage, honey mesquite, and soapweed yucca with increasing frequency and size of bare patches. Transition to Shinnery oak dominated state (1a): The historic plant community begins to shift toward the shinnery oak dominated state as drivers such as climate change, 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 an increase of shrub species abundance and bare patch expansion. Key indicators of approach to transition: • Loss of grass and forb cover • Surface soil erosion • Bare patch expansion • Increased shrub species abundance and composition Transition to Historic Plant Community (1b): The shinnery oak dominated state may transition back toward the historic plant community as new drivers are introduced such as prescribed grazing, brush control, and discontinued drought conditions.

Additional community tables

Table 7. Community 1.1 plant community composition

D.1			Annual Production	Foliar Cover	
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Todd 36 D State #002 Geology





Playa—Alluvium and evaporite deposits (Holocene)

Water-Perenial standing water

Qa-Alluvium (Holocene to upper Pleistocene)



Esri, NASA, NGA, USGS, NMBGMR, 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; U.S. Census Bureau TIGER/Line data; USFS

APPENDIX C – Daily Field and Sampling Reports

Bany once visit in				VERTEX
Client:	Devon Energy Corporation	Inspection Date:	11/17/2023	
Site Location Name:	Todd 36 D State #002	Report Run Date:	3/11/2024 6:22 PM	
Client Contact Name:	Jim Raley	API #:	30-015-27365	
Client Contact Phone #:	575-748-0176			
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
		Summary of	Times	
Arrived at Site	11/17/2023 8:12 AM			
Departed Site	11/17/2023 2:02 PM			

Field Notes

- 8:24 Completed safety meeting and filled out safety paperwork
- 9:29 Collected borehole samples 12-14
- 9:30 Tested samples 12-14 for chloride (all appearing clean)
- 10:24 Screened samples 12-14 for chloride
- 10:33 Noticeable washout from corroded line leading to possible release. Noticeable contamination at surface. Field screening for due diligence purposes. (Borehole samples 15-18)
- 11:24 Borehole samples 15-19 tested for chloride
- 12:18 Screened borehole samples 15-19 for TPH
- 13:34 Took photos of all holes and contaminated area of earthberm
- 13:35 Jarred all soil samples

Next Steps & Recommendations

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Run on 3/11/2024 6:22 PM UTC

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Sit	e Photos
Viewing Direction: South	Viewing Direction: West
BH23-12	BH23-13
Viewing Direction: East	Viewing Direction: East
BH23-14	BH23-15

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i nepoli	
Viewing Direction: South	Viewing Direction: Southeast
BH23-16	BH23-17
Viewing Direction: West	Viewing Direction: Southwest
BH23-19	BH23-18

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Contaminated area of earthberm

Run on 3/11/2024 6:22 PM UTC

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Daily Site Visit Signature



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Daily Site Visit R	eport			VERTEX
Client:	Devon Energy Corporation	Inspection Date:	4/8/2025	
Site Location Name:	Todd 36 D State #002	Report Run Date:	4/9/2025 3:05 PM	
Client Contact Name:	Jim Raley	API #:	30-015-27365	
Client Contact Phone #:	575-748-0176	_		
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
		Summary of	Times	
Arrived at Site	4/8/2025 8:40 AM			
Departed Site	4/8/2025 5:45 PM			

Field Notes

17:36 Completed saftey paperwork upon arrival

- 17:38 Continued to expand wall sample 4 south 1ft at a time until it got to the the lines then began expanding out to the to the east and the western section to the south
- 17:38 Samples base sample 6 through 11
- 17:38 Sampled wall samples 4 and 2

Next Steps & Recommendations

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Base sample 6 in the 4ft pastureland



Wall sample 5 along the 1ft pastureland excavation



Excavations closed off at end of day

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Daily Site Visit Signature

Inspector: Katrina Taylor	QLQ
Signature:	Signature

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Daily Site visit Report			VERTEX	
Client:	Devon Energy Corporation	Inspection Date:	4/11/2025	
Site Location Name:	Todd 36 D State #002	Report Run Date:	4/12/2025 12:32 AM	
Client Contact Name:	Jim Raley		30-015-27365	
Client Contact Phone #:	575-748-0176	-		
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
		Summary of	Times	
Arrived at Site	4/11/2025 7:05 AM			
Departed Site	4/11/2025 4:20 PM			

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Site Sketch

Site Sketch

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Field Notes

- 7:34 Completed JSA on arrival. On site to update excavation map in ArcGIS and collect remaining confirmation samples from excavation base and walls.
- **11:00** Updated excavation and sampling location map in ArcGIS. Swept excavation surfaces with magnetic locator prior to sample collection.
- **15:51** Collected confirmation samples from surfaces of excavations to 1 and 4 feet bgs on pad and into pasture. Confirmation samples collected from the excavation base and walls were 5-point composites representing areas no greater than 200 square feet.
- **15:58** Collected confirmation samples BS25-10 and BS25-11 from base of west excavation to 1 feet bgs on pad. Field screening results were below NMOCD thresholds for depth to groundwater between 51 and 100 feet bgs.
- **16:00** Collected confirmation sample WS25-04 from wall of west excavation to 1 feet bgs on pad. Collected confirmation sample WS25-01 from wall of east excavation to 1 feet bgs on pad. Field screening results were below NMOCD strictest criteria for chloride and TPH.
- **16:02** Collected confirmation samples WS25-06 and WS25-07 from wall excavation to 4 feet bgs in pasture. Field screening results were below NMOCD strictest criteria for chloride and TPH.
- **16:02** Confirmation sampling completed pending laboratory results.

Next Steps & Recommendations

1 Submit confirmation samples to laboratory for analyses.

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Southwest corner of west excavation to 1 feet bgs facing northeast.



Southwest corner of west excavation to 1 feet bgs facing north.



Southwest corner of west excavation to 1 feet bgs facing east.



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facing west.

samples BS25-10, BS25-11, and WS25-04.

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Northeast corner of west excavation to 1 feet bgs facing south.

Viewing Direction: West



Northeast corner of west excavation to 1 feet bgs facing west.



Northeast corner of west excavation to 1 feet bgs facing southwest.

Viewing Direction: Southeast



Northwest corner of east excavation to 1 feet bgs facing east-southeast. Collected confirmation sample WS25-01.

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Southwest corner of east excavation to 1 feet bgs facing east-northeast. Collected confirmation sample WS25-01.

Viewing Direction: Southwest



Northeast corner of east excavation to 1 feet bgs facing west-southwest.



Southeast corner of east excavation to 1 feet bgs facing west-northwest.



Northwest corner of south excavation to 1 feet bgs facing east.

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Northwest corner of south excavation to 1 feet bgs facing southeast.



Southwest corner of south excavation to 1 feet bgs facing north.



Southwest corner of south excavation to 1 feet bgs facing northeast.
Daily Site Visit Report

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Southwest corner of south excavation to 1 feet bgs facing east.



Southeast corner of excavation to 4 feet bgs facing west. Collected confirmation samples WS25-06 and WS25-07.

Viewing Direction: Northwest

Southeast corner of excavation to 4 feet bgs facing northwest. Collected confirmation samples WS25-06 and WS25-07.



Southeast corner of excavation to 4 feet bgs facing north. Collected confirmation samples WS25-06 and WS25-07.

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Daily Site Visit Report

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Northeast corner of excavation to 4 feet bgs facing south. Collected confirmation samples WS25-06 and WS25-07.

Viewing Direction: West



Northeast corner of excavation to 4 feet bgs facing west. Collected confirmation samples WS25-06 and WS25-07.



Northeast corner of excavation to 4 feet bgs facing southwest. Collected confirmation samples WS25-06 and WS25-07.

Daily Site Visit Report



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Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

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APPENDIX D – Notifications

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

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Action 447685

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	447685
	Action Type:
	[NOTIEY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1815052591
Incident Name	NAB1815052591 TODD 36 D STATE #002 @ 30-015-27365
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-27365] TODD 36 D STATE #002

Location of Release Source

Site Name	TODD 36 D STATE #002
Date Release Discovered	05/10/2018
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,500
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/04/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Katrina Taylor 575-263-3295 , Kent Stallings 346-814-1413
Please provide any information necessary for navigation to sampling site	Site Coordinates: 32.2672234,-103.7389755 From the intersection of US-Hwy285 S and NM- 31 (Potash Mines Rd) Head east on NM-31 (Potash Mines Rd) toward NM-128 E (Jal Hwy) 7.7 mi Turn right on NM-128 E (Jal Hwy) 18mi Turn left on Red Rd 1mi Turn right 0.1 mi

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

C	perator:	OGRID:
	DEVON ENERGY PRODUCTION COMPANY, LP	6137
	333 West Sheridan Ave.	Action Number:
	Oklahoma City, OK 73102	447685
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/1/2025

Action 447685

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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

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Action 448669

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	448669
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1815052591
Incident Name	NAB1815052591 TODD 36 D STATE #002 @ 30-015-27365
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-27365] TODD 36 D STATE #002

Location of Release Source

Site Name	TODD 36 D STATE #002
Date Release Discovered	05/10/2018
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,500
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Katrina Taylor 575-263-3295 , Kent Stallings 346-814-1413
Please provide any information necessary for navigation to sampling site	Site Coordinates: 32.2672234,-103.7389755 From the intersection of US-Hwy285 S and NM- 31 (Potash Mines Rd) Head east on NM-31 (Potash Mines Rd) toward NM-128 E (Jal Hwy) 7.7 mi Turn right on NM-128 E (Jal Hwy) 18mi Turn left on Red Rd 1mi Turn right 0.1 mi

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	448669
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/3/2025

CONDITIONS

Action 448669

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

Page & leof 275 QUESTIONS

Action 450285

QUESTIONS					
Operator:	OGRID:				
DEVON ENERGY PRODUCTION COMPANY, LP	6137				
333 West Sheridan Ave.	Action Number:				
Oklahoma City, OK 73102	450285				
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)				

QUESTIONS

nAB1815052591
NAB1815052591 TODD 36 D STATE #002 @ 30-015-27365
Produced Water Release
Remediation Plan Approved
[30-015-27365] TODD 36 D STATE #002

Location of Release Source

Site Name	TODD 36 D STATE #002
Date Release Discovered	05/10/2018
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.						
What is the sampling surface area in square feet	1,500					
What is the estimated number of samples that will be gathered	16					
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/11/2025					
Time sampling will commence	11:00 AM					
Please provide any information necessary for observers to contact samplers	Lakin Pullman 701-495-1722 , Kent Stallings 346-814-1413					
Please provide any information necessary for navigation to sampling site	Site Coordinates: 32.2672234,-103.7389755 From the intersection of US-Hwy285 S and NM- 31 (Potash Mines Rd) Head east on NM-31 (Potash Mines Rd) toward NM-128 E (Jal Hwy) 7.7 mi Turn right on NM-128 E (Jal Hwy) 18mi Turn left on Red Rd 1mi Turn right 0.1 mi					

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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

C	perator:	OGRID:
	DEVON ENERGY PRODUCTION COMPANY, LP	6137
	333 West Sheridan Ave.	Action Number:
	Oklahoma City, OK 73102	450285
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

CONDITI	ONS	
Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/9/2025

CONDITIONS

Action 450285

APPENDIX E – Laboratory Data Reports and Chain of Custody Forms



Environment Testing

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 29, 2023

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: FAX:

RE: Todd 36 D State 2

OrderNo.: 2311675

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 26 sample(s) on 11/14/2023 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-01 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 9:00:00 AM Lab ID: 2311675-001 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) 9.6 25 mg/Kg 1 11/16/2023 12:25:53 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 11/16/2023 12:25:53 PM Surr: DNOP 87.0 %Rec 1 11/16/2023 12:25:53 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 11/18/2023 5:00:21 PM 4.7 1 Surr: BFB 11/18/2023 5:00:21 PM 96.8 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/18/2023 5:00:21 PM Toluene ND 0.047 mg/Kg 1 11/18/2023 5:00:21 PM Ethylbenzene ND 0.047 mg/Kg 11/18/2023 5:00:21 PM 1 Xylenes, Total ND 0.094 mg/Kg 1 11/18/2023 5:00:21 PM Surr: 4-Bromofluorobenzene %Rec 94.5 39.1-146 1 11/18/2023 5:00:21 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/20/2023 8:40:44 PM 2400 150 50 mg/Kg

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 6/26/2025 1:28:41 PM

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-01 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 9:10:00 AM Lab ID: 2311675-002 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.5 mg/Kg 1 11/16/2023 4:20:10 PM Motor Oil Range Organics (MRO) 1 ND 47 mg/Kg 11/16/2023 4:20:10 PM Surr: DNOP %Rec 1 11/16/2023 4:20:10 PM 112 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.7 11/18/2023 5:24:06 PM 1 Surr: BFB 11/18/2023 5:24:06 PM 99.1 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 mg/Kg 1 11/18/2023 5:24:06 PM Toluene ND 0.047 mg/Kg 1 11/18/2023 5:24:06 PM Ethylbenzene ND mg/Kg 11/18/2023 5:24:06 PM 0.047 1 Xylenes, Total ND 0.094 mg/Kg 1 11/18/2023 5:24:06 PM Surr: 4-Bromofluorobenzene %Rec 96.4 39.1-146 1 11/18/2023 5:24:06 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 9:22:48 PM 430 60 20 mg/Kg

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

Released to Imaging: 6/26/2025 1:28:41 PM

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-02 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 9:20:00 AM Lab ID: 2311675-003 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) 200 1100 mg/Kg 20 11/16/2023 12:47:13 PM Motor Oil Range Organics (MRO) 2100 980 20 mg/Kg 11/16/2023 12:47:13 PM Surr: DNOP 69-147 S %Rec 20 11/16/2023 12:47:13 PM 0 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.8 11/18/2023 5:47:47 PM 1 Surr: BFB 95.1 15-244 %Rec 1 11/18/2023 5:47:47 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/18/2023 5:47:47 PM Toluene ND 0.048 mg/Kg 1 11/18/2023 5:47:47 PM Ethylbenzene ND mg/Kg 11/18/2023 5:47:47 PM 0.048 1 Xylenes, Total ND 0.096 mg/Kg 1 11/18/2023 5:47:47 PM Surr: 4-Bromofluorobenzene %Rec 92.7 39.1-146 1 11/18/2023 5:47:47 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 10:00:02 PM 80 60 20 mg/Kg

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 6/26/2025 1:28:41 PM

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-02 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 9:30:00 AM Lab ID: 2311675-004 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 11/16/2023 4:31:04 PM Motor Oil Range Organics (MRO) 1 11/16/2023 4:31:04 PM ND 49 mg/Kg Surr: DNOP 109 %Rec 1 11/16/2023 4:31:04 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/18/2023 6:11:29 PM 1 Surr: BFB 11/18/2023 6:11:29 PM 95.2 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/18/2023 6:11:29 PM Toluene ND 0.049 mg/Kg 1 11/18/2023 6:11:29 PM Ethylbenzene ND 0.049 mg/Kg 11/18/2023 6:11:29 PM 1 Xylenes, Total ND 0.097 mg/Kg 1 11/18/2023 6:11:29 PM Surr: 4-Bromofluorobenzene %Rec 94.0 39.1-146 1 11/18/2023 6:11:29 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 10:37:15 PM 300 59 20 mg/Kg

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-03 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 9:40:00 AM Lab ID: 2311675-005 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) 180 11/16/2023 1:08:36 PM 390 mg/Kg 20 Motor Oil Range Organics (MRO) 930 920 20 11/16/2023 1:08:36 PM mg/Kg Surr: DNOP 69-147 S %Rec 20 11/16/2023 1:08:36 PM 0 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/18/2023 6:35:11 PM 1 Surr: BFB 11/18/2023 6:35:11 PM 91.9 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/18/2023 6:35:11 PM Toluene ND 0.049 mg/Kg 1 11/18/2023 6:35:11 PM Ethylbenzene ND 0.049 mg/Kg 11/18/2023 6:35:11 PM 1 Xylenes, Total ND 0.098 mg/Kg 1 11/18/2023 6:35:11 PM Surr: 4-Bromofluorobenzene %Rec 90.1 39.1-146 1 11/18/2023 6:35:11 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride ND 11/17/2023 10:49:40 PM 60 20 mg/Kg

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-03 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 9:50:00 AM Lab ID: 2311675-006 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 16 9.8 mg/Kg 1 11/17/2023 3:15:51 PM Motor Oil Range Organics (MRO) ND 1 49 mg/Kg 11/17/2023 3:15:51 PM Surr: DNOP 108 %Rec 1 11/17/2023 3:15:51 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 11/20/2023 10:40:34 AM 4.7 1 Surr: BFB 11/20/2023 10:40:34 AM 100 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 8:03:32 PM Toluene ND 0.047 mg/Kg 1 11/20/2023 8:03:32 PM Ethylbenzene ND 0.047 mg/Kg 11/20/2023 8:03:32 PM 1 Xylenes, Total ND 0.095 mg/Kg 1 11/20/2023 8:03:32 PM Surr: 4-Bromofluorobenzene %Rec 92.5 39.1-146 1 11/20/2023 8:03:32 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride ND 11/17/2023 11:02:04 PM 60 20 mg/Kg

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-04 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 10:00:00 AM Lab ID: 2311675-007 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 1800 200 mg/Kg 20 11/17/2023 4:54:38 PM Motor Oil Range Organics (MRO) 2600 20 980 mg/Kg 11/17/2023 4:54:38 PM Surr: DNOP 69-147 %Rec 20 11/17/2023 4:54:38 PM 0 S **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 11:04:06 AM 1 Surr: BFB 11/20/2023 11:04:06 AM 91.6 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 8:50:23 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 8:50:23 PM Ethylbenzene ND mg/Kg 11/20/2023 8:50:23 PM 0.049 1 Xylenes, Total ND 0.098 mg/Kg 1 11/20/2023 8:50:23 PM Surr: 4-Bromofluorobenzene %Rec 90.8 39.1-146 1 11/20/2023 8:50:23 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 11:14:28 PM 430 60 20 mg/Kg

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 POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S

Analyte detected in the associated Method Blank в

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 6/26/2025 1:28:41 PM

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-04 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 10:10:00 AM Lab ID: 2311675-008 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 11/17/2023 3:40:25 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 11/17/2023 3:40:25 PM Surr: DNOP %Rec 1 11/17/2023 3:40:25 PM 110 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND mg/Kg 11/20/2023 11:27:30 AM 4.7 1 Surr: BFB 99.3 15-244 %Rec 1 11/20/2023 11:27:30 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 mg/Kg 1 11/20/2023 9:13:47 PM Toluene ND 0.047 mg/Kg 1 11/20/2023 9:13:47 PM Ethylbenzene ND 0.047 mg/Kg 11/20/2023 9:13:47 PM 1 Xylenes, Total ND 0.094 mg/Kg 1 11/20/2023 9:13:47 PM Surr: 4-Bromofluorobenzene %Rec 94.3 39.1-146 1 11/20/2023 9:13:47 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 11:26:52 PM 130 60 20 mg/Kg

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-01 4' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 10:20:00 AM Lab ID: 2311675-009 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 11/17/2023 4:05:03 PM 9.6 mg/Kg 1 Motor Oil Range Organics (MRO) 11/17/2023 4:05:03 PM ND 48 mg/Kg 1 Surr: DNOP %Rec 1 11/17/2023 4:05:03 PM 111 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 11/20/2023 11:51:04 AM 4.6 1 Surr: BFB 11/20/2023 11:51:04 AM 95.1 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 mg/Kg 1 11/20/2023 9:37:10 PM Toluene ND 0.046 mg/Kg 1 11/20/2023 9:37:10 PM Ethylbenzene ND mg/Kg 11/20/2023 9:37:10 PM 0.046 1 Xylenes, Total ND 0.093 mg/Kg 1 11/20/2023 9:37:10 PM Surr: 4-Bromofluorobenzene %Rec 93.8 39.1-146 1 11/20/2023 9:37:10 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 11:39:17 PM 830 61 20 mg/Kg

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
- POL 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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-03 4' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 10:30:00 AM Lab ID: 2311675-010 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.3 mg/Kg 1 11/17/2023 4:29:28 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 11/17/2023 4:29:28 PM Surr: DNOP 98.1 %Rec 1 11/17/2023 4:29:28 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 12:14:40 PM 1 Surr: BFB 11/20/2023 12:14:40 PM 92.2 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 10:00:31 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 10:00:31 PM Ethylbenzene ND 0.049 mg/Kg 11/20/2023 10:00:31 PM 1 Xylenes, Total ND 0.097 mg/Kg 1 11/20/2023 10:00:31 PM Surr: 4-Bromofluorobenzene %Rec 95.4 39.1-146 1 11/20/2023 10:00:31 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/17/2023 11:51:42 PM 830 61 20 mg/Kg

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- S

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

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Vertex Resources Services, Inc.	Client Sample ID: BH23-05 0'						
Project: Todd 36 D State 2			Collection Date: 11/12/2023 10:40:00 AM					
Lab ID:	2311675-011	Matrix: SOIL Received Date: 11/14/2023 7:40				2023 7:40:00 AM		
Analyses		Result	RL Qua	l Units	DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH		
Diesel Rar	nge Organics (DRO)	ND	10	mg/Kg	1	11/17/2023 5:18:19 PM		
Motor Oil F	Range Organics (MRO)	ND	50	mg/Kg	1	11/17/2023 5:18:19 PM		
Surr: DI	NOP	123	69-147	%Rec	1	11/17/2023 5:18:19 PM		
EPA METI	HOD 8015D: GASOLINE RANG	E				Analyst: JJP		
Gasoline F	Range Organics (GRO)	ND	4.7	mg/Kg	1	11/20/2023 1:48:53 PM		
Surr: BF	-B	91.7	15-244	%Rec	1	11/20/2023 1:48:53 PM		
EPA METI	HOD 8021B: VOLATILES					Analyst: JJP		
Benzene		ND	0.023	mg/Kg	1	11/20/2023 1:48:53 PM		
Toluene		ND	0.047	mg/Kg	1	11/20/2023 1:48:53 PM		
Ethylbenze	ene	ND	0.047	mg/Kg	1	11/20/2023 1:48:53 PM		
Xylenes, T	otal	ND	0.094	mg/Kg	1	11/20/2023 1:48:53 PM		
Surr: 4-	Bromofluorobenzene	95.2	39.1-146	%Rec	1	11/20/2023 1:48:53 PM		
EPA MET	HOD 300.0: ANIONS					Analyst: JTT		
Chloride		67	60	mg/Kg	20	11/18/2023 12:04:07 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

.

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-05 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 10:50:00 AM Lab ID: 2311675-012 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.2 mg/Kg 1 11/17/2023 5:42:44 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 11/17/2023 5:42:44 PM Surr: DNOP %Rec 1 11/17/2023 5:42:44 PM 116 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 2:12:19 PM 1 Surr: BFB 11/20/2023 2:12:19 PM 92.6 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 2:12:19 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 2:12:19 PM Ethylbenzene ND mg/Kg 11/20/2023 2:12:19 PM 0.049 1 Xylenes, Total ND 0.099 mg/Kg 1 11/20/2023 2:12:19 PM Surr: 4-Bromofluorobenzene %Rec 95.4 39.1-146 1 11/20/2023 2:12:19 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride ND 11/18/2023 12:16:31 AM 60 20 mg/Kg

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-06 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 11:00:00 AM Lab ID: 2311675-013 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 200 1200 mg/Kg 20 11/17/2023 5:41:55 PM Motor Oil Range Organics (MRO) 2200 20 980 mg/Kg 11/17/2023 5:41:55 PM Surr: DNOP 69-147 S %Rec 20 11/17/2023 5:41:55 PM 0 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.8 11/20/2023 2:35:46 PM 1 Surr: BFB 11/20/2023 2:35:46 PM 92.8 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 2:35:46 PM Toluene ND 0.048 mg/Kg 1 11/20/2023 2:35:46 PM Ethylbenzene ND mg/Kg 11/20/2023 2:35:46 PM 0.048 1 Xylenes, Total ND 0.096 mg/Kg 1 11/20/2023 2:35:46 PM Surr: 4-Bromofluorobenzene %Rec 96.0 39.1-146 1 11/20/2023 2:35:46 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/18/2023 12:28:56 AM 180 60 20 mg/Kg

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-06 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 11:10:00 AM Lab ID: 2311675-014 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 10 11/17/2023 6:07:10 PM mg/Kg 1 Motor Oil Range Organics (MRO) 11/17/2023 6:07:10 PM ND 50 mg/Kg 1 Surr: DNOP 122 %Rec 1 11/17/2023 6:07:10 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND mg/Kg 11/20/2023 2:59:20 PM 4.7 1 Surr: BFB 94.4 15-244 %Rec 1 11/20/2023 2:59:20 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 mg/Kg 1 11/20/2023 2:59:20 PM Toluene ND 0.047 mg/Kg 1 11/20/2023 2:59:20 PM Ethylbenzene ND mg/Kg 11/20/2023 2:59:20 PM 0.047 1 Xylenes, Total ND 0.093 mg/Kg 1 11/20/2023 2:59:20 PM Surr: 4-Bromofluorobenzene %Rec 97.5 39.1-146 1 11/20/2023 2:59:20 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/18/2023 1:06:10 AM 200 60 20 mg/Kg

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 POL Practical Quanitative Limit
- S

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

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-07 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 11:20:00 AM Lab ID: 2311675-015 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.7 mg/Kg 1 11/17/2023 6:31:34 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 11/17/2023 6:31:34 PM Surr: DNOP 107 %Rec 1 11/17/2023 6:31:34 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 5.0 11/20/2023 3:22:52 PM 1 Surr: BFB 95.2 15-244 %Rec 1 11/20/2023 3:22:52 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 3:22:52 PM Toluene ND 0.050 mg/Kg 1 11/20/2023 3:22:52 PM Ethylbenzene ND mg/Kg 11/20/2023 3:22:52 PM 0.050 1 Xylenes, Total ND 0.099 mg/Kg 1 11/20/2023 3:22:52 PM Surr: 4-Bromofluorobenzene %Rec 98.0 39.1-146 1 11/20/2023 3:22:52 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 11/18/2023 1:18:34 AM 1400 59 20 mg/Kg

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-07 2'					-07 2'
Project: Todd 36 D State 2	Collection Date: 11/12/2023 11:30:00 AM			2023 11:30:00 AM	
Lab ID: 2311675-016	Matrix: SOIL	ix: SOIL Received Date: 11/14/2023 7:40:00 AM			
Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	21	9.5	mg/Kg	1	11/17/2023 6:55:59 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/17/2023 6:55:59 PM
Surr: DNOP	135	69-147	%Rec	1	11/17/2023 6:55:59 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/20/2023 3:46:21 PM
Surr: BFB	91.9	15-244	%Rec	1	11/20/2023 3:46:21 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	11/20/2023 3:46:21 PM
Toluene	ND	0.048	mg/Kg	1	11/20/2023 3:46:21 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/20/2023 3:46:21 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/20/2023 3:46:21 PM
Surr: 4-Bromofluorobenzene	95.0	39.1-146	%Rec	1	11/20/2023 3:46:21 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	430	61	mg/Kg	20	11/19/2023 3:52:10 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

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-08 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 11:40:00 AM Lab ID: 2311675-017 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 190 15000 mg/Kg 20 11/17/2023 2:26:42 PM Motor Oil Range Organics (MRO) 8500 960 20 mg/Kg 11/17/2023 2:26:42 PM Surr: DNOP %Rec 20 11/17/2023 2:26:42 PM 0 69-147 S **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 5.0 11/20/2023 4:09:43 PM 1 Surr: BFB 11/20/2023 4:09:43 PM 90.4 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 4:09:43 PM Toluene ND 0.050 mg/Kg 1 11/20/2023 4:09:43 PM Ethylbenzene ND 0.050 mg/Kg 11/20/2023 4:09:43 PM 1 Xylenes, Total ND 0.10 mg/Kg 1 11/20/2023 4:09:43 PM Surr: 4-Bromofluorobenzene %Rec 93.8 39.1-146 1 11/20/2023 4:09:43 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/19/2023 4:29:24 PM 810 60 20 mg/Kg

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 6/26/2025 1:28:41 PM

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-08 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 11:50:00 AM Lab ID: 2311675-018 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 17 10 11/17/2023 7:20:23 PM mg/Kg 1 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 11/17/2023 7:20:23 PM Surr: DNOP 88.9 %Rec 1 11/17/2023 7:20:23 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 4:32:57 PM 1 Surr: BFB 89.0 15-244 %Rec 1 11/20/2023 4:32:57 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 4:32:57 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 4:32:57 PM Ethylbenzene ND 0.049 mg/Kg 11/20/2023 4:32:57 PM 1 Xylenes, Total ND 0.097 mg/Kg 1 11/20/2023 4:32:57 PM Surr: 4-Bromofluorobenzene %Rec 96.4 39.1-146 1 11/20/2023 4:32:57 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/19/2023 4:41:49 PM 60 20 1200 mg/Kg

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 POL Practical Quanitative Limit

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

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-09 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 12:00:00 PM Lab ID: 2311675-019 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 1000 190 11/17/2023 12:51:07 PM mg/Kg 20 Motor Oil Range Organics (MRO) 1400 960 20 mg/Kg 11/17/2023 12:51:07 PM Surr: DNOP %Rec 20 11/17/2023 12:51:07 PM 0 69-147 S **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 4.7 11/20/2023 4:56:16 PM mg/Kg 1 Surr: BFB 11/20/2023 4:56:16 PM 89.6 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 mg/Kg 1 11/20/2023 4:56:16 PM Toluene ND 0.047 mg/Kg 1 11/20/2023 4:56:16 PM Ethylbenzene ND mg/Kg 11/20/2023 4:56:16 PM 0.047 1 Xylenes, Total ND 0.094 mg/Kg 1 11/20/2023 4:56:16 PM Surr: 4-Bromofluorobenzene %Rec 92.3 39.1-146 1 11/20/2023 4:56:16 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/19/2023 4:54:14 PM 290 60 20 mg/Kg

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-09 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 12:10:00 PM Lab ID: 2311675-020 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.7 mg/Kg 1 11/17/2023 7:44:42 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 11/17/2023 7:44:42 PM Surr: DNOP 123 %Rec 1 11/17/2023 7:44:42 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 4.9 mg/Kg 11/20/2023 5:19:47 PM 1 Surr: BFB 11/20/2023 5:19:47 PM 93.3 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 5:19:47 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 5:19:47 PM Ethylbenzene ND 0.049 mg/Kg 11/20/2023 5:19:47 PM 1 Xylenes, Total ND 0.097 mg/Kg 1 11/20/2023 5:19:47 PM Surr: 4-Bromofluorobenzene %Rec 96.9 39.1-146 1 11/20/2023 5:19:47 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/19/2023 5:06:39 PM 110 60 20 mg/Kg

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-10 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 12:20:00 PM Lab ID: 2311675-021 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 230 47 mg/Kg 5 11/17/2023 6:29:26 PM Motor Oil Range Organics (MRO) 500 230 5 mg/Kg 11/17/2023 6:29:26 PM Surr: DNOP %Rec 5 11/17/2023 6:29:26 PM 137 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 6:06:28 PM 1 Surr: BFB %Rec 11/20/2023 6:06:28 PM 91.3 15-244 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 6:06:28 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 6:06:28 PM Ethylbenzene ND mg/Kg 11/20/2023 6:06:28 PM 0.049 1 Xylenes, Total ND 0.099 mg/Kg 1 11/20/2023 6:06:28 PM Surr: 4-Bromofluorobenzene %Rec 93.9 39.1-146 1 11/20/2023 6:06:28 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 11/19/2023 5:19:03 PM 60 20 mg/Kg

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/29/2023

11/19/2023 5:56:16 PM

20

mg/Kg

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-10 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 12:30:00 PM Lab ID: 2311675-022 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 11/17/2023 8:09:07 PM 9.8 mg/Kg 1 Motor Oil Range Organics (MRO) 1 11/17/2023 8:09:07 PM ND 49 mg/Kg Surr: DNOP %Rec 1 11/17/2023 8:09:07 PM 116 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 6:29:56 PM 1 Surr: BFB 11/20/2023 6:29:56 PM 93.5 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 6:29:56 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 6:29:56 PM Ethylbenzene ND mg/Kg 11/20/2023 6:29:56 PM 0.049 1 Xylenes, Total ND 0.098 mg/Kg 1 11/20/2023 6:29:56 PM Surr: 4-Bromofluorobenzene %Rec 95.9 39.1-146 1 11/20/2023 6:29:56 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT

ND

61

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

Qualifiers:

Chloride

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

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-11 0' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 12:40:00 PM Lab ID: 2311675-023 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) 980 25000 mg/Kg 100 11/17/2023 7:16:53 PM Motor Oil Range Organics (MRO) 15000 4900 mg/Kg 100 11/17/2023 7:16:53 PM Surr: DNOP 69-147 %Rec 100 11/17/2023 7:16:53 PM 0 S **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 6:53:15 PM 1 Surr: BFB 11/20/2023 6:53:15 PM 87.7 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 6:53:15 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 6:53:15 PM Ethylbenzene ND 0.049 mg/Kg 11/20/2023 6:53:15 PM 1 Xylenes, Total ND 0.098 mg/Kg 1 11/20/2023 6:53:15 PM Surr: 4-Bromofluorobenzene %Rec 90.5 39.1-146 1 11/20/2023 6:53:15 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 11/19/2023 6:08:40 PM 61 20 mg/Kg

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-11 2' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 12:50:00 PM Lab ID: 2311675-024 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.9 11/17/2023 8:33:26 PM mg/Kg 1 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 11/17/2023 8:33:26 PM Surr: DNOP 105 %Rec 1 11/17/2023 8:33:26 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 4.9 11/20/2023 7:16:39 PM 1 Surr: BFB 11/20/2023 7:16:39 PM 90.1 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/20/2023 7:16:39 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 7:16:39 PM Ethylbenzene ND mg/Kg 11/20/2023 7:16:39 PM 0.049 1 Xylenes, Total ND 0.099 mg/Kg 1 11/20/2023 7:16:39 PM Surr: 4-Bromofluorobenzene %Rec 96.9 39.1-146 1 11/20/2023 7:16:39 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/19/2023 6:21:04 PM 470 60 20 mg/Kg

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 POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit
Analytical Report Lab Order 2311675

Date Reported: 11/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-08 4' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 1:00:00 PM Lab ID: 2311675-025 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 9.3 mg/Kg 1 11/17/2023 8:57:51 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 11/17/2023 8:57:51 PM Surr: DNOP 124 %Rec 1 11/17/2023 8:57:51 PM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 4.9 mg/Kg 11/20/2023 7:40:05 PM 1 Surr: BFB 11/20/2023 7:40:05 PM 91.5 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 1 11/20/2023 7:40:05 PM Toluene ND 0.049 mg/Kg 1 11/20/2023 7:40:05 PM Ethylbenzene ND 0.049 mg/Kg 11/20/2023 7:40:05 PM 1 Xylenes, Total ND 0.098 mg/Kg 1 11/20/2023 7:40:05 PM Surr: 4-Bromofluorobenzene %Rec 93.6 39.1-146 1 11/20/2023 7:40:05 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 11/19/2023 6:33:29 PM 73 60 20 mg/Kg

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

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EPA METHOD 300.0: ANIONS

Chloride

Analytical Report Lab Order 2311675

Date Reported: 11/29/2023

Analyst: JMT

11/19/2023 6:45:54 PM

20

mg/Kg

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-01 5' **Project:** Todd 36 D State 2 Collection Date: 11/12/2023 1:10:00 PM Lab ID: 2311675-026 Matrix: SOIL Received Date: 11/14/2023 7:40:00 AM Result **RL** Qual Units DF Analyses **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 11/17/2023 12:01:42 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 11/17/2023 12:01:42 PM Surr: DNOP %Rec 1 11/17/2023 12:01:42 PM 118 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP mg/Kg Gasoline Range Organics (GRO) ND 5.0 11/21/2023 12:20:32 AM 1 Surr: BFB 91.5 15-244 %Rec 1 11/21/2023 12:20:32 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 11/21/2023 12:20:32 AM Toluene ND 0.050 mg/Kg 1 11/21/2023 12:20:32 AM Ethylbenzene ND 0.050 mg/Kg 11/21/2023 12:20:32 AM 1 Xylenes, Total ND 0.10 mg/Kg 1 11/21/2023 12:20:32 AM Surr: 4-Bromofluorobenzene %Rec 95.2 39.1-146 1 11/21/2023 12:20:32 AM

390

60

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
- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client: Project:		x Resources Services, Inc. 36 D State 2	
Sample ID:	MB-78869	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 78869	RunNo: 101286
Prep Date:	11/17/2023	Analysis Date: 11/17/2023	SeqNo: 3724875 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-78869	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 78869	RunNo: 101286
Prep Date:	11/17/2023	Analysis Date: 11/17/2023	SeqNo: 3724876 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.00	0 92.6 90 110
Sample ID:	MB-78892	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 78892	RunNo: 101309
Prep Date:	11/19/2023	Analysis Date: 11/19/2023	SeqNo: 3726155 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:			
Sample ID.	LCS-78893	SampType: Ics	TestCode: EPA Method 300.0: Anions
	LCS-78893 LCSS	SampType: Ics Batch ID: 78893	TestCode: EPA Method 300.0: Anions RunNo: 101309
Client ID:	LCSS	Batch ID: 78893 Analysis Date: 11/19/2023	RunNo: 101309
Client ID: Prep Date:	LCSS	Batch ID: 78893 Analysis Date: 11/19/2023	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg
Client ID: Prep Date: Analyte Chloride	LCSS	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Client ID: Prep Date: Analyte Chloride	LCSS 11/19/2023	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00	RunNo: 101309SeqNo: 3726157Units: mg/KgSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQual091.390110
Client ID: Prep Date: Analyte Chloride Sample ID:	LCSS 11/19/2023 MB-78893	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 100 110 100
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID:	LCSS 11/19/2023 MB-78893 PBS	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 78893 Analysis Date: 11/19/2023	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 10 10 10 TestCode: EPA Method 300.0: Anions RunNo: 101309
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date:	LCSS 11/19/2023 MB-78893 PBS	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 78893 Analysis Date: 11/19/2023	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 100 100 100 TestCode: EPA Method 300.0: Anions RunNo: 101309 SeqNo: 3726158 Units: mg/Kg
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride	LCSS 11/19/2023 MB-78893 PBS	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 100 100 100 TestCode: EPA Method 300.0: Anions RunNo: 101309 SeqNo: 3726158 Units: mg/Kg
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride	LCSS 11/19/2023 MB-78893 PBS 11/19/2023	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value ND 1.5	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 Image: Constraint of the second
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID:	LCSS 11/19/2023 MB-78893 PBS 11/19/2023 LCS-78892	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value ND 1.5 SampType: Ics	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 Image: Constraint of the second
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID:	LCSS 11/19/2023 MB-78893 PBS 11/19/2023 LCS-78892 LCSS	Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 78893 Analysis Date: 11/19/2023 Result PQL SPK value ND 1.5 SampType: Ics Batch ID: 78892	RunNo: 101309 SeqNo: 3726157 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 91.3 90 110 Image: Comparison of the comparison

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

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	Resources Services, Inc. 5 D State 2	
Sample ID: LCS-78823	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 78823	RunNo: 101250
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3722305 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.7 5.000	93.8 69 147
Sample ID: LCS-78828	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 78828	RunNo: 101250
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3722306 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	64 10 50.00	0 128 61.9 130
Surr: DNOP	7.4 5.000	148 69 147 S
Sample ID: MB-78823	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 78823	RunNo: 101250
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3722307 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	10 10.00	103 69 147
Sample ID: MB-78828	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 78828	RunNo: 101250
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3722308 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) Surr: DNOP	ND 50 12 10.00	116 69 147
Sample ID: LCS-78851	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 78851	RunNo: 101270
Prep Date: 11/16/2023	Analysis Date: 11/17/2023	SeqNo: 3724368 Units: mg/Kg
Analyte Diesel Range Organics (DRO)	Result PQL SPK value 53 10 50.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 107 61.9 130<
Surr: DNOP	5.4 5.000	109 69 147
Sample ID: MB 70054	SampType: MBLK	Test Code: EDA Mathad 901EM/D: Disast Dance Organisa
•	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Sample ID: MB-78851 Client ID: PBS Prep Date: 11/16/2023	Batch ID: 78851	RunNo: 101270
•	Batch ID: 78851 Analysis Date: 11/17/2023	

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 ND PQL Practical Quanitative Limit

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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WO#: 2311675 29-Nov-23

Client: Vertex Re	sources S	ervices,	Inc.							
Project: Todd 36 I	State 2									
Sample ID: MB-78851	Samul			Taa	tCada: EE	A Mathad		a al Damara	Ormaniaa	
Client ID: PBS		「ype: MB h ID: 788			RunNo: 10		8015M/D: Die	sel Range	Organics	
								·		
Prep Date: 11/16/2023	Analysis D	Jale: 11	/1//2023		SeqNo: 37	24369	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO) Surr: DNOP	ND 11	50	10.00		110	69	147			
Sull. DNOF			10.00		110	09	147			
Sample ID: MB-78848	SampT	Гуре: МВ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	n ID: 788	348	F	RunNo: 10)1314				
Prep Date: 11/16/2023	Analysis D)ate: 11	/17/2023	5	SeqNo: 37	26336	Units: mg/K	g		
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	8.8		10.00		87.7	69	147			
Sample ID: LCS-78848	SampT	ype: LC	S	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	h ID: 788	348	F	RunNo: 10)1314				
Prep Date: 11/16/2023	Analysis D)ate: 11	/17/2023	S	SeqNo: 37	26337	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	61.9	130			
Surr: DNOP	4.1		5.000		81.3	69	147			
Sample ID: 2311675-025AMS	SampT	Гуре: МS	6	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: BH23-08 4'	Batch	n ID: 788	348	F	RunNo: 10)1314				
Prep Date: 11/16/2023	Analysis D)ate: 11	/17/2023	5	SeqNo: 37	26359	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)										
Disso i turigo organios (Dito)	57	9.6	47.80	0	119	54.2	135			
Surr: DNOP	57 4.9	9.6	47.80 4.780	0	119 102	54.2 69				
	4.9	9.6 Гуре: MS	4.780		102	69	135	sel Range	Organics	
Surr: DNOP	4.9 SampT		4.780	Tes	102	69 PA Method	135 147	sel Range	Organics	
Surr: DNOP Sample ID: 2311675-025AMSD	4.9 SampT	Гуре: MS h ID: 788	4.780 SD 348	Tes	102 tCode: EF	69 PA Method 01314	135 147	Ū	Organics	
Surr: DNOP Sample ID: 2311675-025AMSD Client ID: BH23-08 4' Prep Date: 11/16/2023	4.9 SampT Batch	Гуре: MS h ID: 788	4.780 5D 348 /17/2023	Tes	102 tCode: EF RunNo: 10	69 PA Method 01314	135 147 8015M/D: Die Units: mg/K	Ū	Organics RPDLimit	Qual
Surr: DNOP Sample ID: 2311675-025AMSD Client ID: BH23-08 4'	4.9 SampT Batch Analysis D	∑ype: MS n ID: 788 Date: 11	4.780 5D 348 /17/2023	Tes	102 tCode: EF RunNo: 10 SeqNo: 37	69 PA Method 01314 726360	135 147 8015M/D: Die	g	J	Qual
Surr: DNOP Sample ID: 2311675-025AMSD Client ID: BH23-08 4' Prep Date: 11/16/2023 Analyte	4.9 SampT Batch Analysis D Result	∑ype: MS h ID: 788 Date: 11 PQL	4.780 5D 348 /17/2023 SPK value	Tes F SPK Ref Val	102 tCode: EF RunNo: 10 SeqNo: 37 %REC	69 PA Method 01314 726360 LowLimit	135 147 8015M/D: Die Units: mg/K HighLimit	g %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
- 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
- Released to Imaging: 6/26/2025 1:28:41 PM

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WO#: 2311675 29-Nov-23

Project:ToSample ID:Ics-78842Client ID:LCSSPrep Date:11/16/202AnalyteGasoline Range Organics (GSurr: BFBSample ID:MalytePrep Date:Sample ID:PBSPrep Date:11/16/202AnalyteGasoline Range Organics (GSurr: BFBSample ID:Sample ID:Ics-78825Client ID:LCSSPrep Date:11/15/202AnalyteGasoline Range Organics (GSurr: BFBSample ID:Sample ID:Ics-78825Client ID:LCSSPrep Date:11/15/202AnalyteGasoline Range Organics (GSurr: BFBSample ID:MalyteGasoline Range Organics (GSurr: BFBSample ID:Sample ID:PSPrep Date:11/15/202AnalyteGasoline Range Organics (GSurr: BFBSample ID:Sample ID:LCSSPrep Date:11/15/202AnalyteSample ID:Sample ID:LCSSPrep Date:11/15/202AnalyteSample ID:Prep Date:11/15/202AnalyteSample ID:Sample ID:LCSSPrep Date:11/15/202AnalyteSample ID:Sample ID:LCSSPrep Date:11/15/202AnalyteSample ID:Sample ID:LCSSSample ID:LCSSPrep Date:11/15/202Sam	Batch	ype: LCS				
Client ID: LCSS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78842 Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Batch 023 Analysis D	ype: LCS				
Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78842 Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Batch 023 Analysis D	51	TestCode:	PA Method	8015D: Gasoline Rang	e
Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78842 Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202		ID: 78842	RunNo:			
Gasoline Range Organics (G Surr: BFB Sample ID: mb-78842 Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Result	ate: 11/17/2023	SeqNo:	3723385	Units: mg/Kg	
Surr: BFB Sample ID: mb-78842 Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: rcs-78830 Client ID: ICS-78830 Client ID: LCSS Prep Date: 11/15/202		PQL SPK value	SPK Ref Val %REC	LowLimit	HighLimit %RPD	RPDLimit Qual
Sample ID: mb-78842 Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: ICSS Prep Date: 11/15/202		5.0 25.00	0 92.2	70	130	
Client ID: PBS Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	2000	1000	197	15	244	
Prep Date: 11/16/202 Analyte Gasoline Range Organics (G Gasoline Range Organics (G Surr: BFB Sample ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Surr: BFB Sample ID: rcs-78830 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	2 SampT	ype: MBLK	TestCode: E	PA Method	8015D: Gasoline Rang	e
Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Batch	ID: 78842	RunNo:	101265		
Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	023 Analysis D	ate: 11/17/2023	SeqNo:	3723386	Units: mg/Kg	
Surr: BFB Sample ID: Ics-78825 Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Result	PQL SPK value	SPK Ref Val %REC	LowLimit	HighLimit %RPD	RPDLimit Qual
Client ID: LCSS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	(GRO) ND 930	5.0 1000	93.2	15	244	
Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	5 SampT	ype: LCS	TestCode: E	PA Method	8015D: Gasoline Rang	e
Analyte Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: ICSS Prep Date: 11/15/202	Batch	ID: 78825	RunNo:		-	
Gasoline Range Organics (G Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	023 Analysis D	ate: 11/18/2023	SeqNo:	3725395	Units: mg/Kg	
Surr: BFB Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Result	PQL SPK value	SPK Ref Val %REC	LowLimit	HighLimit %RPD	RPDLimit Qual
Sample ID: mb-78825 Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202		5.0 25.00	0 89.6	70	130	
Client ID: PBS Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	2000	1000	205	15	244	
Prep Date: 11/15/202 Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	5 SampT	ype: MBLK	TestCode: E	PA Method	8015D: Gasoline Range	е
Analyte Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Batch	ID: 78825	RunNo:	101265		
Gasoline Range Organics (G Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	023 Analysis D	ate: 11/18/2023	SeqNo: 3	3725396	Units: mg/Kg	
Surr: BFB Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202	Result		SPK Ref Val %REC	LowLimit	HighLimit %RPD	RPDLimit Qual
Sample ID: Ics-78830 Client ID: LCSS Prep Date: 11/15/202		5.0			244	
Client ID: LCSS Prep Date: 11/15/202	(GRO) ND		96.4	15		
Prep Date: 11/15/202	(GRO) ND 960	1000	96.4		244	
	(GRO) ND 960 0 SampT	1000 ype: LCS	TestCode: E	PA Method	244 8015D: Gasoline Range	e
Analyte	(GRO) ND 960 0 SampT Batch	1000 ype: LCS ID: 78830	TestCode: E RunNo: <i>ŕ</i>	PA Method 8	8015D: Gasoline Rang	e
Gasoline Range Organics (G	(GR0) ND 960 0 SampT Batch 023 Analysis D	1000 ype: LCS a ID: 78830 ate: 11/20/2023	TestCode: E RunNo: ⁄ SeqNo: ;	PA Method 8 101322 3726923	8015D: Gasoline Rang Units: mg/Kg	
Surr: BFB	(GRO) ND 960 0 SampT Batch 023 Analysis D Result	1000 ype: LCS ID: 78830 rate: 11/20/2023 PQL SPK value	TestCode: E RunNo: ^ SeqNo: 3 SPK Ref Val %REC	PA Method 8 101322 3726923 LowLimit	3015D: Gasoline Rang Units: mg/Kg HighLimit %RPD	e RPDLimit Qual
Sample ID: mb-78830	(GRO) ND 960 0 SampT Batch 023 Analysis D Result	1000 ype: LCS a ID: 78830 ate: 11/20/2023	TestCode: E RunNo: ⁄ SeqNo: ;	EPA Method 8 101322 3726923 LowLimit 70	8015D: Gasoline Rang Units: mg/Kg	
Client ID: PBS	(GRO) ND 960 0 SampT Batch 023 Analysis D Result (GRO) 23 1900	1000 ype: LCS ID: 78830 rate: 11/20/2023 PQL SPK value 5.0 25.00	TestCode: E RunNo: 4 SeqNo: 3 SPK Ref Val %REC 0 92.7 188	EPA Method 8 101322 3726923 LowLimit 70 15	3015D: Gasoline Rang Units: mg/Kg HighLimit %RPD 130	RPDLimit Qual
Prep Date: 11/15/202	(GRO) ND 960 0 SampT Batch 023 Analysis D Result (GRO) 23 1900	1000 ype: LCS ID: 78830 rate: 11/20/2023 PQL SPK value 5.0 25.00 1000	TestCode: E RunNo: 4 SeqNo: 3 SPK Ref Val %REC 0 92.7 188	PA Method 8 101322 3726923 LowLimit 70 15 PA Method 8	8015D: Gasoline Rang Units: mg/Kg HighLimit %RPD 130 244	RPDLimit Qual
Analyte	(GRO) ND 960 0 SampT Batch 023 Analysis D Result (GRO) 23 1900 0 SampT Batch	1000 ype: LCS ID: 78830 ate: 11/20/2023 PQL SPK value 5.0 25.00 1000	TestCode: E RunNo: 7 SeqNo: 3 SPK Ref Val %REC 0 92.7 188 TestCode: E	EPA Method 8 101322 3726923 LowLimit 70 15 EPA Method 8	8015D: Gasoline Rang Units: mg/Kg HighLimit %RPD 130 244	RPDLimit Qual
Sample ID: mb-78830 Client ID: PBS	(GR0) ND 960 0 SampT Batch 023 Analysis D	1000 ype: LCS a ID: 78830 ate: 11/20/2023	TestCode: E RunNo: ⁄ SeqNo: ;	PA Method 8 101322 3726923	8015D: Gasoline Rang 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 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

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WO#:

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Client: Project:	Vertex Re Todd 36 I		ervices,	Inc.							
Sample ID:	mb-78830	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range	1	
Client ID:	PBS	Batch	h ID: 788	330	F	RunNo: 1	01322				
Prep Date:	11/15/2023	Analysis E	Date: 11	/20/2023	5	SeqNo: 3	726924	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 910	5.0	1000		91.4	15	244			
Sample ID:	2311675-006ams	SampT	Гуре: МS	6	Tes	tCode: El	PA Method	8015D: Gaso	line Range	1	
Client ID:	BH23-03 2'	Batch	h ID: 788	330	F	RunNo: 1	01322				
Prep Date:	11/15/2023	Analysis E	Date: 11	/20/2023	S	SeqNo: 3	726929	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	20	4.7	23.65	0	84.9	70	130			
Surr: BFB		1900		946.1		196	15	244			
Sample ID:	2311675-006amsd	SampT	Гуре: МS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID:	BH23-03 2'	Batch	h ID: 788	330	F	RunNo: 1	01322				
Prep Date:	11/15/2023	Analysis E	Date: 11	/20/2023	S	SeqNo: 3	726930	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
e e	e Organics (GRO)	21	4.7	23.61	0	87.1	70	130	2.37	20	
Surr: BFB		1800		944.3		193	15	244	0	0	
Sample ID:	2311675-026ams	SampT	Гуре: МS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID:	BH23-01 5'	Batch	h ID: 788	342	F	RunNo: 1	01322				
Prep Date:	11/16/2023	Analysis E	Date: 11	/21/2023	5	SeqNo: 3	726951	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	21	5.0	25.00	0	85.8	70	130			
Surr: BFB		1900		1000		194	15	244			
Sample ID:	2311675-026amsd	SampT	Гуре: МS	SD.	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Client ID:	BH23-01 5'	Batch	h ID: 788	342	F	RunNo: 1	01322				
Prep Date:	11/16/2023	Analysis E	Date: 11	/21/2023	S	SeqNo: 3	726952	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	22	5.0	24.80	0	88.6	70	130	2.42	20	
Surr: BFB		1900		992.1		195	15	244	0	0	

Qualifiers:

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- D Sample Diluted Due to Matrix
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- 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

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	Resources Se 36 D State 2	ervices,	Inc.							
Sample ID: LCS-78842	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batch	ID: 788	342	F	RunNo: 10	01265				
Prep Date: 11/16/2023	Analysis D	ate: 11	/17/2023	S	SeqNo: 37	723388	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	70	130			
Toluene	1.0	0.050	1.000	0	103	70	130			
Ethylbenzene	1.0	0.050	1.000	0	102	70	130			
Xylenes, Total	3.0	0.10	3.000	0	101	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	39.1	146			
Sample ID: mb-78842	SampT	ype: MB	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	ID: 788	342	F	RunNo: 10	01265				
Prep Date: 11/16/2023	Analysis D	ate: 11	/17/2023	5	SeqNo: 37	723389	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	0.97		1.000		96.9	39.1	146			
Sample ID: LCS-78825	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 788	325	F	RunNo: 1 (01265				
Prep Date: 11/15/2023	Analysis D	ate: 11	/18/2023	S	SeqNo: 3	725514	Units: mg/K	g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.1	70	130			
Toluene	0.94	0.050	1.000	0	94.0	70	130			
Ethylbenzene	0.94	0.050	1.000	0	94.3	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.0	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	39.1	146			
Sample ID: mb-78825		ype: ME					8021B: Volati	les		
Client ID: PBS	Batch	ID: 788	325	F	RunNo: 1 (01265				
Prep Date: 11/15/2023	Analysis D	ate: 11	/18/2023	S	SeqNo: 3	725516	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	0.95		1.000		94.7	39.1	146			

- * 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

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Client: Project:	Vertex Re Todd 36 I		ervices,	Inc.							
Sample ID:	LCS-78830	Samp	Гуре: LC	S	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID:	LCSS	Batc	h ID: 788	30	F	RunNo: 1(1322				
Prep Date:	11/15/2023	Analysis [Date: 11	/20/2023	S	SeqNo: 37	26965	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	1.000	0	94.2	70	130			
Toluene		0.95	0.050	1.000	0	95.2	70	130			
Ethylbenzene		0.94	0.050	1.000	0	94.1	70	130			
Xylenes, Total		2.8	0.10	3.000	0	93.5	70	130			
Surr: 4-Brom	nofluorobenzene	1.0		1.000		101	39.1	146			
Sample ID:	MB-78830	Samp	Гуре: МВ	IK	Tes	stCode: EF	A Method	8021B: Volati	iles		
Client ID:	PBS	Batc	h ID: 788	30	F	RunNo: 1(1322				
Prep Date:	11/15/2023	Analysis [Date: 11	/20/2023	5	SeqNo: 37	26967	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								
			0.10								
	nofluorobenzene	0.95	0.10	1.000		95.2	39.1	146			
Surr: 4-Brom	2311675-007ams	0.95	Гуре: МS		Tes			146 8021B: Volat	iles		
Surr: 4-Brom		0.95 Samp ⁻					A Method		iles		
Surr: 4-Brom Sample ID:	2311675-007ams	0.95 Samp ⁻	Гуре: MS h ID: 788	330	F	tCode: EF	PA Method 01322				
Surr: 4-Brom Sample ID: Client ID:	2311675-007ams BH23-04 0'	0.95 Sampī Batc Analysis I Result	Гуре: MS h ID: 788 Date: 11 PQL	330 /20/2023 SPK value	F	tCode: EF RunNo: 10 SeqNo: 37 %REC	PA Method 01322 727001 LowLimit	8021B: Volat Units: mg/K HighLimit		RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene	2311675-007ams BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85	Гуре: MS h ID: 788 Date: 11 PQL 0.024	330 /20/2023 SPK value 0.9766	F SPK Ref Val 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 87.3	PA Method 01322 727001 LowLimit 70	8021B: Volat Units: mg/K HighLimit 130	g	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene	2311675-007ams BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85 0.86	Type: MS h ID: 788 Date: 11 PQL 0.024 0.049	330 /20/2023 SPK value 0.9766 0.9766	F SPK Ref Val 0 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7	PA Method 01322 727001 LowLimit 70 70	8021B: Volat Units: mg/K HighLimit 130 130	g	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	2311675-007ams BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84	Гуре: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049	330 /20/2023 SPK value 0.9766 0.9766 0.9766	F SPK Ref Val 0 0 0	stCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3	PA Method 01322 727001 LowLimit 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130	g	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	2311675-007ams BH23-04 0' 11/15/2023	0.95 Samp ⁻ Batc Analysis I Result 0.85 0.86 0.84 2.5	Type: MS h ID: 788 Date: 11 PQL 0.024 0.049	330 /20/2023 SPK value 0.9766 0.9766 0.9766 2.930	F SPK Ref Val 0 0	atCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5	24 Method 01322 227001 LowLimit 70 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130 130	g	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	2311675-007ams BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84	Гуре: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049	330 /20/2023 SPK value 0.9766 0.9766 0.9766	F SPK Ref Val 0 0 0	stCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3	PA Method 01322 727001 LowLimit 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130	g	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron	2311675-007ams BH23-04 0' 11/15/2023	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp	Гуре: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098	330 /20/2023 SPK value 0.9766 0.9766 0.9766 2.930 0.9766 30	F SPK Ref Val 0 0 0 0	atCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8	PA Method 01322 227001 LowLimit 70 70 70 70 39.1	8021B: Volat Units: mg/K HighLimit 130 130 130 130	g %RPD	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron	2311675-007ams BH23-04 0' 11/15/2023	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp	Type: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098	330 /20/2023 SPK value 0.9766 0.9766 0.9766 2.930 0.9766 30	F SPK Ref Val 0 0 0 0 0 Tes	atCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8	24 Method 21322 227001 2001 70 70 70 70 39.1 24 Method	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146	g %RPD	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID:	2311675-007ams BH23-04 0' 11/15/2023 nofluorobenzene 2311675-007amsd	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp	Гуре: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098 Гуре: MS h ID: 788	330 /20/2023 SPK value 0.9766 0.9766 2.930 0.9766 2.930 0.9766	F SPK Ref Val 0 0 0 0 Tes F	etCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8 etCode: EF	PA Method 1322 227001 LowLimit 70 70 70 39.1 PA Method 1322	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146	íg %RPD	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID:	2311675-007ams BH23-04 0' 11/15/2023 nofluorobenzene 2311675-007amsd BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp Batc	Гуре: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098 Гуре: MS h ID: 788	330 /20/2023 SPK value 0.9766 0.9766 2.930 0.9766 2.930 0.9766 30 30 /20/2023	F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.3 87.7 86.3 84.5 98.8 tCode: EF RunNo: 10	PA Method 1322 227001 LowLimit 70 70 70 39.1 PA Method 1322	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati	íg %RPD	RPDLimit	Qual
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte	2311675-007ams BH23-04 0' 11/15/2023 nofluorobenzene 2311675-007amsd BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp Batc Analysis I	Type: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098 Type: MS h ID: 788 Date: 11	330 /20/2023 SPK value 0.9766 0.9766 2.930 0.9766 2.930 0.9766 30 30 /20/2023	F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8 tCode: EF RunNo: 10 SeqNo: 37	PA Method 1322 27001 LowLimit 70 70 70 39.1 PA Method 1322 27003	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati	Sg %RPD iles		
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene	2311675-007ams BH23-04 0' 11/15/2023 nofluorobenzene 2311675-007amsd BH23-04 0'	0.95 Samp Batcl Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp Batcl Analysis I Result	Fype: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098 Fype: MS h ID: 788 Date: 11 PQL	330 /20/2023 SPK value 0.9766 0.9766 2.930 0.9766 2.930 0.9766 30 /20/2023 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8 tCode: EF RunNo: 10 SeqNo: 37 %REC	24 Method 1322 227001 LowLimit 70 70 70 39.1 24 Method 1322 27003 LowLimit	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati Units: mg/K HighLimit	59 %RPD iles 59 %RPD	RPDLimit	
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID: Prep Date:	2311675-007ams BH23-04 0' 11/15/2023 nofluorobenzene 2311675-007amsd BH23-04 0'	0.95 Samp ^T Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp ^T Batc Analysis I Result 0.82 0.83 0.82	Fype: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098 Fype: MS h ID: 788 Date: 11 PQL 0.025	330 /20/2023 SPK value 0.9766 0.9766 2.930 0.9766 2.930 0.9766 330 /20/2023 SPK value 0.9823	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0	etCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8 etCode: EF RunNo: 10 SeqNo: 37 %REC 83.5 84.2 83.1	24 Method 277001 LowLimit 70 70 70 70 39.1 24 Method 277003 LowLimit 70 70 70 70 70 70 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati Units: mg/K HighLimit 130	59 %RPD iles 59 %RPD 3.86	RPDLimit 20	
Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	2311675-007ams BH23-04 0' 11/15/2023 nofluorobenzene 2311675-007amsd BH23-04 0'	0.95 Samp Batc Analysis I Result 0.85 0.86 0.84 2.5 0.96 Samp Batc Analysis I Result 0.82 0.83	Fype: MS h ID: 788 Date: 11 PQL 0.024 0.049 0.049 0.098 Fype: MS h ID: 788 Date: 11 PQL 0.025 0.049	330 /20/2023 SPK value 0.9766 0.9766 2.930 0.9766 2.930 0.9766 300 /20/2023 SPK value 0.9823 0.9823 0.9823	F SPK Ref Val 0 0 0 0 Tes 5 SPK Ref Val 0 0	etCode: EF RunNo: 10 SeqNo: 37 %REC 87.3 87.7 86.3 84.5 98.8 etCode: EF RunNo: 10 SeqNo: 37 %REC 83.5 84.2	PA Method 1322 277001 LowLimit 70 70 70 39.1 PA Method 1322 277003 LowLimit 70 70 70 39.1	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati Units: mg/K HighLimit 130 130	5g %RPD illes 5g %RPD 3.86 3.45	RPDLimit 20 20	

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

.

- WO#: 2311675
 - 29-Nov-23

Received by OCD: 4/28/2025 2:01:17 PM

🔆 eurofins

Eurofins Environment Testing South Central. LLC 4901 Hawkins NE Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Client Name: Vertex Resources Work Order Nu	umber: 2311675		RcptNo: 1	
Received By: Juan Rojas 11/14/2023 7:40:	:00 AM	Handa D.		
Completed By: Tracy Casarrubias 11/14/2023 8:23:	:06 AM			
Reviewed By: SCM 11/14/23				
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 🗌		
4. Were all samples received at a temperature of $>0^{\circ}$ C to 6.0° C	Yes 🗹	No 🗌		
5. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?	Yes	No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sample containers received broken?	Yes	No 🗹	# of processed	
	_	_	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗌	for pH: (<2 or >12 unless	s poted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requested?	Yes 🗹	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by: 7/1.1	
Special Handling (if applicable)			74	n/14/-
15. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🔽	
Person Notified: Da	ite:	and the second se		
By Whom: Via	a: eMail [] I	Phone [] Fax	In Person	
Regarding:				
Client Instructions: Mailing address.phone number and I	Email/Fax are missir	ng on COC- TM	C 11/14/23	
16. Additional remarks:				
Client did not relinquish chain of custody				
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

Client: Vertex (Deron) Zandard Rush 5000 ANALYSIS LABORATO	TAL DRY 00
Project Name: www.hallenvironmental.com	00
	24
Mailing Address: on file Todd 36 D State 2 4901 Hawkins NE - Albuquerque, NM 87109	D: 4)
Project #: Tel. 505-345-3975 Fax 505-345-4107	/28/2
Phone #: 23E-05197 Analysis Request	025
email or Fax#: Project Manager:	2:01:17
Image:	-17 PA
Accreditation: Az Compliance Sampler: Zach Englebert	
Standard Intervent 4 (Pull Validation) Point Intervent 4 (Pull Validation) Point Accreditation: Az Compliance Sampler: Zach Englebert No Intervent On Ice: Preservative Intervent No Intervent Coller Temp(including CF): Intervent Intervent Intervent Intervent Container Preservative HEAL No. Intervent Intervent Intervent Container <td></td>	
□ NELAC □ Other On Ice: □ Yes □ No □ EDD (Type) # of Coolers: 1 VU0/H □ EDD (Type) # of Cooler Temp(including CF): 0.1-0.120 (°C) Container Preservative HEAL No. Container Preservative HEAL No. Type and # Type 23110755	
Container Preservative HEAL No.	
Date Time Matrix Sample Name Container Type and # Type 2311 + 75	
11-12-23 9 00 Soil BH23-01 O' I jar ice 001	
1 2 10 RH23-01 2' 002	
920 BH23-02 0. 003	
930 BH23-02 2 004	
940 BH23-03 0' 005	
950 BH23-03 2 006	
1000 BH23-04 0' 007	
1010 BH23-04 2 008	
1020 BH23-01 4 009	
1030 BH23-03 4 010	
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	C Q Page 119 01 275
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 rep	port.

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL ANALYSIS LABORATORY
Client: Vertex (Deron)	Standard Rush_5 Davy	ANALYSIS LABORATORY
	Project Name:	www.hallenvironmental.com
Mailing Address: on file	Todd 36 D State 2	4901 Hawkins NE - Albuquerque, NM 87109
<u> </u>	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #: /	23E-05197	Analysis Request
email or Fax#:	Project Manager:	(8021) / MRO) CB's CB's SIMS 04, S04 // Absent)
QA/QC Package:	Kent Stallings	
Accreditation: Az Compliance	Sampler: Zach Euglebe of	TMB': 1 DR(8082 1 8082 1 8082 1 802, 1 802, 1 802, 1 802, 1 1 8021 1 1 8082 1 1 80 80 80 80 80 80 80 80 80 80 80 80 80
□ NELAC □ Other □ EDD (Type)	On Ice: Yes INO # of Coolers: Morty	BTEX) MTBE / TMB TPD 8015D(GRO / DR 8081 Pesticides/8082 8081 Pesticides/8082 EDB (Method 504.1) PAHs by 8310 or 827 PAHs by 8310 or 827 RCRA 8 Metals CDF, Br, NO ₃ , NO ₂ , 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Prese
	Cooler Temp(Including CF): (2.1-0.1=0 (°C)	RTEX) MTBE / RTEX) MTBE / 8081 Pesticides 8081 Pesticides EDB (Method 56 PAHs by 8310 c RCRA 8 Metals RCRA 8 Metals 8260 (VOA) 8270 (Semi-VO. Total Coliform (
	Container Preservative HEAL No.	al C C V B B W I P B
Date Time Matrix Sample Name	Type and # Type 7311075	BTEX BIFX B081 F B081 F FAHS FAHS B270 B270 B270 B270 B270 B270
11.12-73 11:00 Soil BH23-06 0'	liar ice 013	
1 11 10 1 BH23-06 2-	014	
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1140 BH23-08 0	017	
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1200 BH23-09 0	019	
1210 BH23-09 2	020	
1220 BH23-10 0	021	
12 30 BH23-10 2'	022	
1240 BH23-11 0	/ 023	
V 12 50 V BH23-11 2	Received by: Via: Date Time	Remarks: Di V D'II Yo Dov(op
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	becontracted to other accredited laboratories. This serves as notice of t	this possibility. Any sub-contracted data will be clearly notated on the analytical report. 2 of

Chain-o		Deron)	Turn-Around		50m State 2				AN	AL	YS	SIS	L		OR		OR	
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hone #: mail or Fax#:		V	Project Man		on - 5, * 1	Ê	ô				SO4			ent)		-		
A/QC Package:		□ Level 4 (Full Validation	n) Kent	Stalli	ngs	3's (8021)	RO / MF	PCB's	OSIMS	100	PO4,	1997) 1997		Coliform (Present/Absent)		21		
	□ Az Co □ Other	ompliance	Sampler: Z On Ice:	Ach Ek	lebert-	:/ TMB's	RO / DI	ss/8082	504.1) or 827	s	3, NO ₂ ,	. L.	(YO	(Prese				
□ EDD (Type)			# of Coolers		Morty .1-0.1=6 (°C)	MTBE	D(G	ticide	thod 8310	Meta	NO ₃ ,	(A	Mi-V	iform				
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type		BIEN N	TPH 8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1) PAHs by 8310 or 8270SIMS	RCRA 8 Metals	ChF, Br,	8260 (VOA)	8270 (Semi-VOA)	Total Col				
1 10 0 000	Sul	BH23-08 4		ice	025		Y				T							
1 1310	J.	BH23-01 5'		Y	026	l											┝─┼	+
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Environment Testing

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

December 06, 2023 Kent Stallings Devon Energy

6488 Seven Rivers Highway Artesia, NM 88210 TEL: (505) 350-1336 FAX:

RE: Todd 36 D State 002

OrderNo.: 2311C31

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 11/28/2023 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Todd 36 D State 002

Project:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-20 0.0' Collection Date: 11/18/2023 9:00:00 AM **Deceived Dete:** 11/28/2022 7:40:00 AM

Lab ID: 2311C31-001	Matrix: SOIL	Rece	Received Date: 11/28/2023 7:40:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD					
Diesel Range Organics (DRO)	17	9.6	mg/Kg	1	12/1/2023 1:50:02 PM					
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/1/2023 1:50:02 PM					
Surr: DNOP	94.5	69-147	%Rec	1	12/1/2023 1:50:02 PM					
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA					
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/29/2023 7:10:00 PM					
Surr: BFB	101	15-244	%Rec	1	11/29/2023 7:10:00 PM					
EPA METHOD 8021B: VOLATILES					Analyst: RAA					
Benzene	ND	0.023	mg/Kg	1	11/29/2023 7:10:00 PM					
Toluene	ND	0.046	mg/Kg	1	11/29/2023 7:10:00 PM					
Ethylbenzene	ND	0.046	mg/Kg	1	11/29/2023 7:10:00 PM					
Xylenes, Total	ND	0.093	mg/Kg	1	11/29/2023 7:10:00 PM					
Surr: 4-Bromofluorobenzene	93.4	39.1-146	%Rec	1	11/29/2023 7:10:00 PM					
EPA METHOD 300.0: ANIONS					Analyst: RBC					
Chloride	800	60	mg/Kg	20	11/30/2023 6:01:52 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range RL Reporting Limit

Page 1 of 15

Todd 36 D State 002

Project:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-20 2.0' Collection Date: 11/18/2023 9:10:00 AM Received Date: 11/28/2023 7:40:00 AM

Lab ID: 2311C31-002	Matrix: SOIL	Rece	Received Date: 11/28/2023 7:40:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD				
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/1/2023 2:11:02 PM				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/1/2023 2:11:02 PM				
Surr: DNOP	96.4	69-147	%Rec	1	12/1/2023 2:11:02 PM				
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/29/2023 7:32:00 PM				
Surr: BFB	101	15-244	%Rec	1	11/29/2023 7:32:00 PM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.023	mg/Kg	1	11/29/2023 7:32:00 PM				
Toluene	ND	0.047	mg/Kg	1	11/29/2023 7:32:00 PM				
Ethylbenzene	ND	0.047	mg/Kg	1	11/29/2023 7:32:00 PM				
Xylenes, Total	ND	0.093	mg/Kg	1	11/29/2023 7:32:00 PM				
Surr: 4-Bromofluorobenzene	94.9	39.1-146	%Rec	1	11/29/2023 7:32:00 PM				
EPA METHOD 300.0: ANIONS					Analyst: RBC				
Chloride	ND	60	mg/Kg	20	11/30/2023 6:14:16 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

Н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 15

Todd 36 D State 002

Project:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-21 0.0' Collection Date: 11/18/2023 9:20:00 AM Received Date: 11/28/2023 7:40:00 AM

Lab ID: 2311C31-003	Matrix: SOIL	Re	eceivo	ed Date:	11/28/	2023 7:40:00 AM
Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	26000	490		mg/Kg	50	12/3/2023 12:28:31 AM
Motor Oil Range Organics (MRO)	17000	2500		mg/Kg	50	12/3/2023 12:28:31 AM
Surr: DNOP	0	69-147	S	%Rec	50	12/3/2023 12:28:31 AM
EPA METHOD 8015D: GASOLINE RANG	SE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2023 7:54:00 PM
Surr: BFB	96.0	15-244		%Rec	1	11/29/2023 7:54:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	11/29/2023 7:54:00 PM
Toluene	ND	0.047		mg/Kg	1	11/29/2023 7:54:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2023 7:54:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	11/29/2023 7:54:00 PM
Surr: 4-Bromofluorobenzene	91.0	39.1-146		%Rec	1	11/29/2023 7:54:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	11/30/2023 6:26:41 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

Н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 3 of 15

Todd 36 D State 002

2311C31-004

Project:

Lab ID:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-21 2.0' Collection Date: 11/18/2023 9:30:00 AM Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	12/1/2023 3:01:45 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/1/2023 3:01:45 PM
Surr: DNOP	75.8	69-147	%Rec	1	12/1/2023 3:01:45 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/29/2023 8:16:00 PM
Surr: BFB	102	15-244	%Rec	1	11/29/2023 8:16:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	11/29/2023 8:16:00 PM
Toluene	ND	0.049	mg/Kg	1	11/29/2023 8:16:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/29/2023 8:16:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/29/2023 8:16:00 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146	%Rec	1	11/29/2023 8:16:00 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	11/30/2023 6:39:06 PM

Matrix: SOIL

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 PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 4 of 15

Todd 36 D State 002

2311C31-005

Project:

Lab ID:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-22 0.0' Collection Date: 11/18/2023 9:40:00 AM Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst: PRD			
Diesel Range Organics (DRO)	7200	200		mg/Kg	20	12/1/2023 3:12:22 PM			
Motor Oil Range Organics (MRO)	4700	980		mg/Kg	20	12/1/2023 3:12:22 PM			
Surr: DNOP	0	69-147	S	%Rec	20	12/1/2023 3:12:22 PM			
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst: RAA			
Gasoline Range Organics (GRO)	ND	12		mg/Kg	5	11/29/2023 10:26:00 PM			
Surr: BFB	101	15-244		%Rec	5	11/29/2023 10:26:00 PM			
EPA METHOD 8021B: VOLATILES						Analyst: RAA			
Benzene	ND	0.096		mg/Kg	5	11/29/2023 10:26:00 PM			
Toluene	ND	0.096		mg/Kg	5	11/29/2023 10:26:00 PM			
Ethylbenzene	ND	0.096		mg/Kg	5	11/29/2023 10:26:00 PM			
Xylenes, Total	ND	0.29		mg/Kg	5	11/29/2023 10:26:00 PM			
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	5	11/29/2023 10:26:00 PM			
EPA METHOD 300.0: ANIONS						Analyst: RBC			
Chloride	ND	60		mg/Kg	20	11/30/2023 6:51:30 PM			

Matrix: SOIL

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 PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 5 of 15

Todd 36 D State 002

2311C31-006

Project:

Lab ID:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-22 2.0' Collection Date: 11/18/2023 9:50:00 AM Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: PRD			
Diesel Range Organics (DRO)	260	9.9	mg/Kg	1	12/2/2023 8:32:36 PM			
Motor Oil Range Organics (MRO)	490	49	mg/Kg	1	12/2/2023 8:32:36 PM			
Surr: DNOP	99.0	69-147	%Rec	1	12/2/2023 8:32:36 PM			
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/30/2023 12:15:00 AM			
Surr: BFB	94.0	15-244	%Rec	1	11/30/2023 12:15:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.024	mg/Kg	1	11/30/2023 12:15:00 AM			
Toluene	ND	0.048	mg/Kg	1	11/30/2023 12:15:00 AM			
Ethylbenzene	ND	0.048	mg/Kg	1	11/30/2023 12:15:00 AM			
Xylenes, Total	ND	0.096	mg/Kg	1	11/30/2023 12:15:00 AM			
Surr: 4-Bromofluorobenzene	90.6	39.1-146	%Rec	1	11/30/2023 12:15:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: RBC			
Chloride	180	60	mg/Kg	20	11/30/2023 7:03:55 PM			

Matrix: SOIL

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

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Todd 36 D State 002

2311C31-007

Project:

Lab ID:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-23 0.0' Collection Date: 11/18/2023 10:00:00 AM Received Date: 11/28/2023 7:40:00 AM

					-	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					Analyst: PRD
Diesel Range Organics (DRO)	370	96		mg/Kg	10	12/2/2023 11:41:21 PM
Motor Oil Range Organics (MRO)	930	480		mg/Kg	10	12/2/2023 11:41:21 PM
Surr: DNOP	0	69-147	S	%Rec	10	12/2/2023 11:41:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/30/2023 12:37:00 AM
Surr: BFB	96.5	15-244		%Rec	1	11/30/2023 12:37:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	11/30/2023 12:37:00 AM
Toluene	ND	0.048		mg/Kg	1	11/30/2023 12:37:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/30/2023 12:37:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/30/2023 12:37:00 AM
Surr: 4-Bromofluorobenzene	90.8	39.1-146		%Rec	1	11/30/2023 12:37:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	11/30/2023 7:41:07 PM

Matrix: SOIL

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 PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 7 of 15

Todd 36 D State 002

2311C31-008

Project:

Lab ID:

Analytical Report Lab Order 2311C31

Date Reported: 12/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-23 2.0' Collection Date: 11/18/2023 10:10:00 AM Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	12/1/2023 11:56:01 PM			
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	12/1/2023 11:56:01 PM			
Surr: DNOP	94.0	69-147	%Rec	1	12/1/2023 11:56:01 PM			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/30/2023 12:58:00 AM			
Surr: BFB	97.9	15-244	%Rec	1	11/30/2023 12:58:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.023	mg/Kg	1	11/30/2023 12:58:00 AM			
Toluene	ND	0.047	mg/Kg	1	11/30/2023 12:58:00 AM			
Ethylbenzene	ND	0.047	mg/Kg	1	11/30/2023 12:58:00 AM			
Xylenes, Total	ND	0.093	mg/Kg	1	11/30/2023 12:58:00 AM			
Surr: 4-Bromofluorobenzene	91.8	39.1-146	%Rec	1	11/30/2023 12:58:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: RBC			
Chloride	ND	60	mg/Kg	20	11/30/2023 7:53:31 PM			

Matrix: SOIL

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

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range RL Reporting Limit

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Client: Project:		n Energy 36 D State 002								
	MB-79069	SampType: mbl					300.0: Anions			
Client ID:	PBS	Batch ID: 790	69	F	RunNo: 10	1524				
Prep Date:	11/30/2023	Analysis Date: 11/	30/2023	S	SeqNo: 37	37310	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-79069	SampType: Ics		Tes	tCode: EP	A Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 790	69	F	RunNo: 10	1524				
Prep Date:	11/30/2023	Analysis Date: 11/	30/2023	S	SeqNo: 37	37311	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15 1.5	15.00	0	98.6	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 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

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2311C31

06-Dec-23

WO#:

Client: Project:	Devon E Todd 36	nergy D State 002									
Sample ID:	LCS-79082	SampTy	pe: LC	S	Tes	tCode: El	PA Method	8015M/D: Dies	el Range	Organics	
Client ID:	LCSS	Batch	ID: 79	082	F	RunNo: 1	01534				
Prep Date:	11/30/2023	Analysis Da	te: 12	2/1/2023	S	SeqNo: 3	738243	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Surr: DNOP	Organics (DRO)	51 4.7	10	50.00 5.000	0	102 94.3	61.9 69	130 147			
Sample ID:	LCS-79098	SampTy	pe: LC	S	Tes	tCode: El	PA Method	8015M/D: Dies	el Range	Organics	
Client ID:	LCSS	Batch	ID: 79	098	F	RunNo: 1	01534				
Prep Date:	12/1/2023	Analysis Da	te: 12	2/1/2023	S	SeqNo: 3	738244	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.9		5.000		78.6	69	147			
Sample ID:	MB-79082	SampTy	ре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Dies	el Range	Organics	
Client ID:	PBS	Batch	ID: 79	082	F	RunNo: 1	01534				
Prep Date:	11/30/2023	Analysis Da	ite: 12	2/1/2023	S	SeqNo: 3	738245	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Drganics (DRO) le Organics (MRO)	ND ND 10	10 50	10.00		101	69	147			
Sample ID:	MB-79098	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Dies	el Range	Organics	
Client ID:	PBS	Batch	ID: 79	098	F	RunNo: 1	01534		-	-	
Prep Date:	12/1/2023	Analysis Da	te: 12	2/1/2023	S	SeqNo: 3	738246	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.2		10.00		81.9	69	147			
Sample ID:	LCS-79080	SampTy	pe: LC	S	Tes	tCode: El	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	LCSS		ID: 79 (F	RunNo: 1	01534		5	-	
Prep Date:	11/30/2023	Analysis Da	ite: 12	2/1/2023	S	SeqNo: 3	738774	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	45	10	50.00	0	89.4	61.9	130			
Surr: DNOP		4.5		5.000		89.2	69	147			
Sample ID:	MB-79080	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Dies	el Range	Organics	
Client ID:	PBS	Batch	ID: 79	080	F	RunNo: 1	01534				
Prep Date:	11/30/2023	Analysis Da	ite: 12	2/1/2023	S	SeqNo: 3	738775	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	ND	10								

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 ND

PQL Practical Quanitative Limit

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

WO#:	2311C31

06-Dec-23

2311C31

06-Dec-23

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	on Energy I 36 D State 00	02								
Sample ID: MB-79080	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batcl	h ID: 790	080	F	RunNo: 10	01534				
Prep Date: 11/30/2023	Analysis D	Date: 12	2/1/2023	S	SeqNo: 3	738775	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRC) ND	50								
Surr: DNOP	8.1		10.00		80.8	69	147			

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

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WO#:	2311C31
	06 Dag 22

06-Dec-23

Client:	Devon En	ergy									
Project:	Todd 36 I	State 002	2								
Sample ID:	lcs-79020	SampT	pe: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	line Range		
Client ID:	LCSS		ID: 79 (RunNo: 1 (U		
Prep Date:	11/28/2023	Analysis Da	ate: 11	/29/2023	S	SeqNo: 37	735681	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	23	5.0	25.00	0	91.6	70	130			
Surr: BFB		2100		1000		206	15	244			
Sample ID:	MB-79020	SampT	pe: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	line Range		
Client ID:	PBS	Batch	ID: 790	020	F	RunNo: 1 (01489				
Prep Date:	11/28/2023	Analysis Da	ate: 11	/29/2023	S	SeqNo: 3	735682	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	ND	5.0	4000		100	45	044			
Surr: BFB		1000		1000		100	15	244			
Sample ID:	lcs-79027	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	line Range		
Client ID:	LCSS	Batch	ID: 790	027	F	RunNo: 10	01489				
Prep Date:	11/28/2023	Analysis D	ate: 11	/29/2023	S	SeqNo: 37	735705	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	22 2100	5.0	25.00 1000	0	86.2 210	70 15	130 244			
		2100		1000		210	15	244			
Sample ID:		SampT						8015D: Gasol	ine Range		
-	PBS		ID: 79			RunNo: 10					
Prep Date:	11/28/2023	Analysis Da	ate: 11	/29/2023	ç	SeqNo: 37	735706	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 980	5.0	1000		98.2	15	244			
Somple ID:	2311c31-005ams	SampT	100: MC		Too	tCodo: El	DA Mathad	8015D: Gasol	ine Denge		
-	BH23-22 0.0'		ID: 79			RunNo: 10		6015D. Gasol	ine Kange		
	11/28/2023	Analysis Da				SeqNo: 3		Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	- %RPD	RPDLimit	Qual
	e Organics (GRO)	25	24	23.95	0	105	70	130			
Surr: BFB		6000		4789		124	15	244			
Sample ID:	2311c31-005amsd	SampT	pe: MS	D	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	BH23-22 0.0'	Batch	ID: 79	027	F	RunNo: 10	01489				
Prep Date:	11/28/2023	Analysis D	ate: 11	/29/2023	S	SeqNo: 3	735709	Units: mg/K	g		
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

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

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2311C31

WO#:

Hall Environmental Analysis Laboratory, Inc.										
Client: Project:	Devon En Todd 36 I	lergy D State 002								
Sample ID:	2311c31-005amsd	SampType: N	ISD	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	BH23-22 0.0'	Batch ID: 7	9027	RunNo: 101489						
Prep Date:	11/28/2023	Analysis Date:	11/29/2023	SeqNo: 3735709 Units: mg/Kg						
Analita				a SDK Daf Val % DEC Laudimit Llightimit % DDD DDD imit Oud						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	24	24.08	0	104	70	130	0.571	20	
Surr: BFB	6100		4817		126	15	244	0	0	

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

Devon Energy

Todd 36 D State 002

Client:

Project:

Sample ID: Ics-79020

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Client ID: LC	CSS	Batch ID: 79020			F								
Prep Date: 1	11/28/2023	Analysis [Date: 11	/29/2023	5	SeqNo: 37	35824	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.96	0.025	1.000	0	95.8	70	130					
Toluene		0.96	0.050	1.000	0	96.0	70	130					
Ethylbenzene		0.97	0.050	1.000	0	97.5	70	130					
Xylenes, Total		2.9	0.10	3.000	0	96.9	70	130					
Surr: 4-Bromoflu	luorobenzene	0.97		1.000		97.2	39.1	146					
Sample ID: m	nb-79020	Samp	Гуре: МЕ	BLK	Tes	estCode: EPA Method 8021B: Volatiles							
Client ID: PE	BS	Batc	h ID: 79 0	020	F	RunNo: 1()1489						
Prep Date: 1	11/28/2023	Analysis [Date: 11	/29/2023	S	SeqNo: 37	35825	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-Bromoflu	luorobenzene	0.95		1.000		95.4	39.1	146					
Sample ID: Ic:	:s-79027	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	iles				
Client ID: LC	CSS	Batc	h ID: 79	027	F	RunNo: 1(01489						
Prep Date: 1	11/28/2023	Analvsis [Date: 11	/29/2023	5	SeqNo: 37	735851	Units: mg/K	g				
	11/20/2020	,						-					
Analyte	11/20/2020	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Analyte Benzene			PQL 0.025	SPK value 1.000	SPK Ref Val 0	%REC 94.8	LowLimit 70	HighLimit 130	%RPD	RPDLimit	Qual		
	11/20/2020	Result						-	%RPD	RPDLimit	Qual		
Benzene		Result 0.95	0.025	1.000	0	94.8	70	130	%RPD	RPDLimit	Qual		
Benzene Toluene Ethylbenzene Xylenes, Total		Result 0.95 0.95 0.97 2.9	0.025 0.050	1.000 1.000 1.000 3.000	0 0	94.8 95.4 96.9 96.7	70 70 70 70	130 130 130 130 130	%RPD	RPDLimit	Qual		
Benzene Toluene Ethylbenzene		Result 0.95 0.95 0.97	0.025 0.050 0.050	1.000 1.000 1.000	0 0 0	94.8 95.4 96.9	70 70 70	130 130 130	%RPD	RPDLimit	Qual		
Benzene Toluene Ethylbenzene Xylenes, Total	luorobenzene	Result 0.95 0.95 0.97 2.9 0.96	0.025 0.050 0.050	1.000 1.000 1.000 3.000 1.000	0 0 0 0	94.8 95.4 96.9 96.7 95.6	70 70 70 70 39.1	130 130 130 130 130		RPDLimit	Qual		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofit Sample ID: m	luorobenzene	Result 0.95 0.95 0.97 2.9 0.96 Samp	0.025 0.050 0.050 0.10	1.000 1.000 1.000 3.000 1.000 BLK	0 0 0 0 Tes	94.8 95.4 96.9 96.7 95.6	70 70 70 39.1 PA Method	130 130 130 130 130 146		RPDLimit	Qual		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromoflu Sample ID: m Client ID: PE	luorobenzene 1b-79027	Result 0.95 0.95 0.97 2.9 0.96 Samp	0.025 0.050 0.050 0.10 Type: ME h ID: 79	1.000 1.000 3.000 1.000 BLK D27	0 0 0 7 Tes F	94.8 95.4 96.9 96.7 95.6 tCode: EF	70 70 70 39.1 PA Method 01489	130 130 130 130 130 146	les	RPDLimit	Qual		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromoflu Sample ID: m Client ID: PE	luorobenzene hb-79027 BS	Result 0.95 0.95 0.97 2.9 0.96 Samp ⁻ Batc	0.025 0.050 0.050 0.10 Type: ME h ID: 79	1.000 1.000 3.000 1.000 3.000 1.000 3LK 027 //29/2023	0 0 0 7 Tes F	94.8 95.4 96.9 96.7 95.6 tCode: EF RunNo: 10 SeqNo: 37	70 70 70 39.1 PA Method 01489	130 130 130 130 146 8021B: Volati	les	RPDLimit	Qual		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromoflu Sample ID: m Client ID: PE Prep Date: 1	luorobenzene hb-79027 BS	Result 0.95 0.97 2.9 0.96 Samp Batc Analysis [0.025 0.050 0.050 0.10 Type: ME h ID: 79 Date: 11	1.000 1.000 3.000 1.000 3.000 1.000 3LK 027 //29/2023	0 0 0 Tes F	94.8 95.4 96.9 96.7 95.6 tCode: EF RunNo: 10 SeqNo: 37	70 70 70 39.1 PA Method 01489 735852	130 130 130 130 146 8021B: Volati Units: mg/K	les				
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromoflu Sample ID: m Client ID: PE Prep Date: 1 Analyte	luorobenzene hb-79027 BS	Result 0.95 0.95 0.97 2.9 0.96 Samp Batc Analysis I Result	0.025 0.050 0.050 0.10 Fype: ME h ID: 790 Date: 11 PQL	1.000 1.000 3.000 1.000 3.000 1.000 3LK 027 //29/2023	0 0 0 Tes F	94.8 95.4 96.9 96.7 95.6 tCode: EF RunNo: 10 SeqNo: 37	70 70 70 39.1 PA Method 01489 735852	130 130 130 130 146 8021B: Volati Units: mg/K	les				
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromoflu Sample ID: m Client ID: PE Prep Date: 1 Analyte Benzene	luorobenzene hb-79027 BS	Result 0.95 0.95 0.97 2.9 0.96 Samp Batc Analysis I Result ND ND ND	0.025 0.050 0.050 0.10 Type: ME h ID: 79 0 Date: 11 <u>PQL</u> 0.025 0.050 0.050	1.000 1.000 3.000 1.000 3.000 1.000 3LK 027 //29/2023	0 0 0 Tes F	94.8 95.4 96.9 96.7 95.6 tCode: EF RunNo: 10 SeqNo: 37	70 70 70 39.1 PA Method 01489 735852	130 130 130 130 146 8021B: Volati Units: mg/K	les				
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofit Sample ID: m Client ID: PE Prep Date: 1 Analyte Benzene Toluene	luorobenzene hb-79027 BS 11/28/2023	Result 0.95 0.95 0.97 2.9 0.96 Samp Batc Analysis I Result ND ND	0.025 0.050 0.050 0.10 Fype: ME h ID: 79 0 Date: 11 <u>PQL</u> 0.025 0.050	1.000 1.000 3.000 1.000 3.000 1.000 3LK 027 //29/2023	0 0 0 Tes F	94.8 95.4 96.9 96.7 95.6 tCode: EF RunNo: 10 SeqNo: 37	70 70 70 39.1 PA Method 01489 735852	130 130 130 130 146 8021B: Volati Units: mg/K	les				

TestCode: EPA Method 8021B: Volatiles

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
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S

в Analyte detected in the associated Method Blank

- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 14 of 15

WO#: 2311C31

06-Dec-23

0.90

0.9615

WO#: 2311C31

06-Dec-23

Client:Devon EProject:Todd 36	nergy D State 00)2								
Sample ID: 2311c31-006ams		Type: MS					8021B: Volati	iles		
Client ID: BH23-22 2.0' Prep Date: 11/28/2023	Batc Analysis [h ID: 79(Date: 11			RunNo: 1(SeqNo: 3 7		Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.024	0.9699	0	101	70	130			
Toluene	1.0	0.048	0.9699	0	103	70	130			
Ethylbenzene	1.0	0.048	0.9699	0	106	70	130			
Xylenes, Total	3.1	0.097	2.910	0	105	70	130			
Surr: 4-Bromofluorobenzene	0.90		0.9699		92.9	39.1	146			
Sample ID: 2311c31-006amsd	Samp	Гуре: МS	D	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Client ID: BH23-22 2.0'	Batc	h ID: 79()27	F	RunNo: 1(01489				
Prep Date: 11/28/2023	Analysis [Date: 11	/29/2023	Ś	SeqNo: 37	735855	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9615	0	98.1	70	130	3.86	20	
Toluene	0.97	0.048	0.9615	0	101	70	130	3.25	20	
Ethylbenzene	1.0	0.048	0.9615	0	104	70	130	2.88	20	
Xylenes, Total	3.0	0.096	2.885	0	104	70	130	2.31	20	

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

Surr: 4-Bromofluorobenzene

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank

39.1

93.1

0

146

0

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Received by OCD: 4/28/2025 2:01:17 PM

Environment Testin

Eurofins Environment Testing South Central. LLC 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 Nur	mber: 2311C31		RcptNo: 1
Received By: Juan Rojas	11/28/2023 7:40:0	00 AM	years g	
Completed By: Tracy Casarru	bias 11/28/2023 8:28:1	12 AM		
Reviewed By: YUN 28	3123			
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 t	the samples?	Yes 🔽	No 🗌	NA 🗌
4. Were all samples received at a	temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	
5. Sample(s) in proper container(s)?	Yes 🔽	No 🗌	
6. Sufficient sample volume for in	dicated test(s)?	Yes 🗹	No 🗌	
7. Are samples (except VOA and	ONG) properly preserved?	Yes 🗹	No 🗌	
8. Was preservative added to bot	tles?	Yes 🗌	No 🗹	NA 🗌
9. Received at least 1 vial with he	adspace <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹
10. Were any sample containers re	eceived broken?	Yes 🗌	No 🗹 📲	of preserved
11. Does paperwork match bottle la (Note discrepancies on chain o		Yes 🔽	b	or pH: (<2 or >12 unless noted)
12 Are matrices correctly identified		Yes 🗹	No 🗌	Adjusted?
13. Is it clear what analyses were r	equested?	Yes 🗹	No 🗌	Scia ulado
14. Were all holding times able to a (If no, notify customer for author		Yes 🗹	No 🗌	Checked by: OUN 11/78/7
Special Handling (if applic	able)			
15. Was client notified of all discre	pancies with this order?	Yes 🗌	No 🗌	NA 🗹
Person Notified:	Dat	le:	and a second second	
By Whom:	Via	eMail	Phone 🗌 Fax 📋] In Person
Regarding:				
Client Instructions: Mai	ling address.phone number and E	mail/Fax are missi	ng on COC- TMC 1	1/28/23
16. Additional remarks:				
Client did not relinquish	chain of custody			
17. <u>Cooler Information</u> Cooler No Temp °C C	Condition Seal Intact Seal No	Seal Date	Signed By	

Page 1 of 1

Client:	ر الم Address	Jeva rech			Project #:		<u>5011</u> le #002				HALL ENVIRONMENT ANALYSIS LABORATO www.hallenvironmental.com Hawkins NE - Albuquerque, NM 87109 505-345-3975 Fax 505-345-4107 Analysis Request									
email o QA/QC □ Stan	Package:		🗆 Level 4 (Full V		Project Manager: Kont Stellings Sampler: AHABM				DRO / MRO)	2 PCB's		8270SIMS	. PO, SO,	F		ent/Absent)				
Accredi		Az Co Othe Matrix	Sample Name		the second s	-E-Yes	□ No Mort .1-6.1=10 (°C) HEAL No. 2311(3)	BTEX MTBE / TMB's (8021)	2	8081 Pesticides/8082	2	PAHs by 8310 or 82	CLYE BY NO. NO.		8270 (Semi-VOA)	Total Coliform (Present/Absent)				
	0900	So./	B/123-20	0.0	402	ICE	001	Ч	Ŷ						- 22					T
1	0910	1	B1723-20	20'			002								46.4		11-1-1-5 1-5			
	0920		BH23-21	6.0'			003					- 1				and a second				
	0830		B/+23-21	20'			004													
	0940		BH23-22	0.0			005	Ц_			_		11		-		Second of t			
	0950	/_	BH23-ZZ	2.0'		1/-	006		$ \downarrow_{\ell} $	_	_			1-						<u></u>
	1000		BH23-23	0.0'			FOO	1.11	1	_	-+		\square		_				_	
V	1010	V	B1+23-23	2.0'	<u>V</u> -	V	800	V	V										<u> </u>	
				1																
Date: Date:	Time: Time:	Relinquist Relinquist			Received by:	Via:	Date Time M J J J J ABD Date Time	Rer	narks	s:		: k	show	-/// 11/5	ngs @	Øv Ver	perte fex	۲۲. (دم	-9	

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.

of 275



Environment Testing

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

December 08, 2023

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: FAX:

RE: Todd 36 D State 002

OrderNo.: 2311C33

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 17 sample(s) on 11/28/2023 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2311C33

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-12 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 9:00:00 AM Lab ID: 2311C33-001 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.4 mg/Kg 1 12/2/2023 7:05:36 AM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 12/2/2023 7:05:36 AM 69-147 Surr: DNOP 62.9 S %Rec 1 12/2/2023 7:05:36 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 3:52:00 AM 4.8 mg/Kg 1 Surr: BFB 96.2 15-244 %Rec 1 11/30/2023 3:52:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 mg/Kg 11/30/2023 3:52:00 AM 1 Toluene ND 0.048 mg/Kg 1 11/30/2023 3:52:00 AM Ethylbenzene ND 0.048 mg/Kg 1 11/30/2023 3:52:00 AM Xylenes, Total ND 0.096 mg/Kg 1 11/30/2023 3:52:00 AM Surr: 4-Bromofluorobenzene 91.9 39.1-146 %Rec 1 11/30/2023 3:52:00 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC Chloride mg/Kg 12/2/2023 11:54:13 AM 89 60 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL Practical Ouanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range RL Reporting Limit

Page 1 of 24

Project:

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Todd 36 D State 002

2311C33-002

Analytical Report Lab Order 2311C33

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-12 2' Collection Date: 11/17/2023 9:05:00 AM Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/2/2023 7:29:04 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/2/2023 7:29:04 AM
Surr: DNOP	121	69-147	%Rec	1	12/2/2023 7:29:04 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/30/2023 4:13:00 AM
Surr: BFB	98.3	15-244	%Rec	1	11/30/2023 4:13:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	11/30/2023 4:13:00 AM
Toluene	ND	0.050	mg/Kg	1	11/30/2023 4:13:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	11/30/2023 4:13:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	11/30/2023 4:13:00 AM
Surr: 4-Bromofluorobenzene	92.0	39.1-146	%Rec	1	11/30/2023 4:13:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	270	60	mg/Kg	20	12/2/2023 1:09:59 PM

Matrix: SOIL

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 PQL

Practical Quanitative Limit

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

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 24

Analytical Report Lab Order 2311C33

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-13 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 9:10:00 AM Lab ID: 2311C33-003 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.2 mg/Kg 1 12/2/2023 7:52:36 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 12/2/2023 7:52:36 AM Surr: DNOP 84.8 69-147 %Rec 1 12/2/2023 7:52:36 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 4:35:00 AM 4.6 mg/Kg 1 Surr: BFB 96.2 15-244 %Rec 1 11/30/2023 4:35:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND mg/Kg 11/30/2023 4:35:00 AM 0.023 1 Toluene ND 0.046 mg/Kg 1 11/30/2023 4:35:00 AM Ethylbenzene ND 0.046 mg/Kg 1 11/30/2023 4:35:00 AM Xylenes, Total ND 0.092 mg/Kg 1 11/30/2023 4:35:00 AM Surr: 4-Bromofluorobenzene 90.5 39.1-146 %Rec 1 11/30/2023 4:35:00 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC Chloride 12/2/2023 1:25:09 PM ND 61 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL Practical Ouanitative Limit

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

- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 3 of 24

*

Project:

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Todd 36 D State 002

2311C33-004

Analytical Report Lab Order 2311C33

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-13 2' Collection Date: 11/17/2023 9:15:00 AM Received Date: 11/28/2023 7:40:00 AM

				-	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	12/2/2023 8:16:01 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/2/2023 8:16:01 AM
Surr: DNOP	118	69-147	%Rec	1	12/2/2023 8:16:01 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/30/2023 4:57:00 AM
Surr: BFB	95.1	15-244	%Rec	1	11/30/2023 4:57:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	11/30/2023 4:57:00 AM
Toluene	ND	0.048	mg/Kg	1	11/30/2023 4:57:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	11/30/2023 4:57:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	11/30/2023 4:57:00 AM
Surr: 4-Bromofluorobenzene	90.6	39.1-146	%Rec	1	11/30/2023 4:57:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	12/2/2023 1:42:52 PM

Matrix: SOIL

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 PQL

Practical Quanitative Limit

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

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 4 of 24
EPA METHOD 300.0: ANIONS

Chloride

Analytical Report
Lab Order 2311C33

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-14 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 9:20:00 AM Lab ID: 2311C33-005 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.5 mg/Kg 1 12/1/2023 5:23:51 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 12/1/2023 5:23:51 PM Surr: DNOP 100 69-147 %Rec 1 12/1/2023 5:23:51 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 5:18:00 AM 4.8 mg/Kg 1 Surr: BFB 96.9 15-244 %Rec 1 11/30/2023 5:18:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 mg/Kg 11/30/2023 5:18:00 AM 1 Toluene ND 0.048 mg/Kg 1 11/30/2023 5:18:00 AM Ethylbenzene ND 0.048 mg/Kg 1 11/30/2023 5:18:00 AM Xylenes, Total ND 0.096 mg/Kg 1 11/30/2023 5:18:00 AM Surr: 4-Bromofluorobenzene 90.9 39.1-146 %Rec 1 11/30/2023 5:18:00 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
- POL 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 24

Analyst: RBC

12/2/2023 1:58:02 PM

Project:

CLIENT: Vertex Resources Services, Inc.

Todd 36 D State 002

Analytical Report Lab Order 2311C33

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-14 2' Collection Date: 11/17/2023 9:25:00 AM Received Date: 11/28/2023 7:40:00 AM

Lab ID: 2311C33-006	Matrix: SOIL	Rece	Received Date: 11/28/2023 7:40:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: PRD			
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	12/1/2023 5:34:32 PM			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/1/2023 5:34:32 PM			
Surr: DNOP	107	69-147	%Rec	1	12/1/2023 5:34:32 PM			
EPA METHOD 8015D: GASOLINE F	RANGE				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/30/2023 5:40:00 AM			
Surr: BFB	98.6	15-244	%Rec	1	11/30/2023 5:40:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.023	mg/Kg	1	11/30/2023 5:40:00 AM			
Toluene	ND	0.047	mg/Kg	1	11/30/2023 5:40:00 AM			
Ethylbenzene	ND	0.047	mg/Kg	1	11/30/2023 5:40:00 AM			
Xylenes, Total	ND	0.094	mg/Kg	1	11/30/2023 5:40:00 AM			
Surr: 4-Bromofluorobenzene	92.4	39.1-146	%Rec	1	11/30/2023 5:40:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: JTT			
Chloride	ND	60	mg/Kg	20	12/1/2023 1:34:31 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 6 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-15 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 9:50:00 AM Lab ID: 2311C33-007 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) 2900 190 mg/Kg 20 12/1/2023 5:45:19 PM Motor Oil Range Organics (MRO) 2100 970 mg/Kg 20 12/1/2023 5:45:19 PM Surr: DNOP 69-147 S %Rec 20 12/1/2023 5:45:19 PM 0 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 6:02:00 AM 4.8 mg/Kg 1 Surr: BFB 96.3 15-244 %Rec 1 11/30/2023 6:02:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 mg/Kg 11/30/2023 6:02:00 AM 1 Toluene ND 0.048 mg/Kg 1 11/30/2023 6:02:00 AM Ethylbenzene ND 0.048 mg/Kg 1 11/30/2023 6:02:00 AM Xylenes, Total ND 0.096 mg/Kg 1 11/30/2023 6:02:00 AM Surr: 4-Bromofluorobenzene 89.0 39.1-146 %Rec 1 11/30/2023 6:02:00 AM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 12/1/2023 1:46:56 PM 400 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 7 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-15 2' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 9:55:00 AM Lab ID: 2311C33-008 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) 140 9.8 mg/Kg 1 12/2/2023 9:43:08 PM Motor Oil Range Organics (MRO) 310 49 mg/Kg 1 12/2/2023 9:43:08 PM Surr: DNOP 124 69-147 %Rec 1 12/2/2023 9:43:08 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 6:24:00 AM 4.8 mg/Kg 1 Surr: BFB 96.9 15-244 %Rec 1 11/30/2023 6:24:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 mg/Kg 11/30/2023 6:24:00 AM 1 Toluene ND 0.048 mg/Kg 1 11/30/2023 6:24:00 AM Ethylbenzene ND 0.048 mg/Kg 1 11/30/2023 6:24:00 AM Xylenes, Total ND 0.096 mg/Kg 1 11/30/2023 6:24:00 AM Surr: 4-Bromofluorobenzene 91.2 39.1-146 %Rec 1 11/30/2023 6:24:00 AM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride ND 12/1/2023 2:24:08 PM 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

Н Holding times for preparation or analysis exceeded

- Not Detected at the Reporting Limit
- ND POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-15 4' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 1:45:00 PM Lab ID: 2311C33-009 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.7 mg/Kg 1 12/1/2023 7:05:35 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 12/1/2023 7:05:35 PM Surr: DNOP 95.5 69-147 %Rec 1 12/1/2023 7:05:35 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 6:45:00 AM 5.0 mg/Kg 1 Surr: BFB 99.4 15-244 %Rec 1 11/30/2023 6:45:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.025 mg/Kg 11/30/2023 6:45:00 AM 1 Toluene ND 0.050 mg/Kg 1 11/30/2023 6:45:00 AM Ethylbenzene ND 0.050 mg/Kg 1 11/30/2023 6:45:00 AM Xylenes, Total ND 0.099 mg/Kg 1 11/30/2023 6:45:00 AM Surr: 4-Bromofluorobenzene 92.8 39.1-146 %Rec 1 11/30/2023 6:45:00 AM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride ND 12/1/2023 3:01:22 PM 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

Н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 9 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-16 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:00:00 AM Lab ID: 2311C33-010 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 12/1/2023 7:16:14 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 12/1/2023 7:16:14 PM Surr: DNOP 87.2 69-147 %Rec 1 12/1/2023 7:16:14 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 11/30/2023 7:07:00 AM 4.7 mg/Kg 1 Surr: BFB 98.6 15-244 %Rec 1 11/30/2023 7:07:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND mg/Kg 11/30/2023 7:07:00 AM 0.024 1 Toluene ND 0.047 mg/Kg 1 11/30/2023 7:07:00 AM Ethylbenzene ND 0.047 mg/Kg 1 11/30/2023 7:07:00 AM Xylenes, Total ND 0.095 mg/Kg 1 11/30/2023 7:07:00 AM Surr: 4-Bromofluorobenzene 92.2 39.1-146 %Rec 1 11/30/2023 7:07:00 AM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride ND 12/1/2023 3:38:35 PM 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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Ouanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 10 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-16 2' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:05:00 AM Lab ID: 2311C33-011 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 8.9 mg/Kg 1 12/1/2023 10:22:07 AM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 12/1/2023 10:22:07 AM Surr: DNOP 87.5 69-147 %Rec 1 12/1/2023 10:22:07 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 8:20:38 PM 4.8 mg/Kg 1 Surr: BFB 92.8 15-244 %Rec 1 11/29/2023 8:20:38 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 11/29/2023 8:20:38 PM 1 Toluene ND 0.048 mg/Kg 1 11/29/2023 8:20:38 PM Ethylbenzene ND 0.048 mg/Kg 1 11/29/2023 8:20:38 PM Xylenes, Total ND 0.096 mg/Kg 1 11/29/2023 8:20:38 PM Surr: 4-Bromofluorobenzene 92.9 39.1-146 %Rec 1 11/29/2023 8:20:38 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride ND 12/1/2023 3:50:59 PM 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL

Practical Ouanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 11 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:10:00 AM Lab ID: 2311C33-012 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 12/1/2023 10:46:40 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 12/1/2023 10:46:40 AM Surr: DNOP 79.3 69-147 %Rec 1 12/1/2023 10:46:40 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 8:44:05 PM 4.7 mg/Kg 1 Surr: BFB 94.3 15-244 %Rec 1 11/29/2023 8:44:05 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND mg/Kg 11/29/2023 8:44:05 PM 0.023 1 Toluene ND 0.047 mg/Kg 1 11/29/2023 8:44:05 PM Ethylbenzene ND 0.047 mg/Kg 1 11/29/2023 8:44:05 PM Xylenes, Total ND 0.094 mg/Kg 1 11/29/2023 8:44:05 PM Surr: 4-Bromofluorobenzene 95.5 39.1-146 %Rec 1 11/29/2023 8:44:05 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 12/1/2023 4:03:24 PM 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

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- POL Practical Ouanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 2' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:15:00 AM Lab ID: 2311C33-013 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 12/1/2023 12:48:38 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 12/1/2023 12:48:38 PM Surr: DNOP 89.4 69-147 %Rec 1 12/1/2023 12:48:38 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 9:07:30 PM 4.9 mg/Kg 1 Surr: BFB 96.3 15-244 %Rec 1 11/29/2023 9:07:30 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 11/29/2023 9:07:30 PM 1 Toluene ND 0.049 mg/Kg 1 11/29/2023 9:07:30 PM Ethylbenzene ND 0.049 mg/Kg 1 11/29/2023 9:07:30 PM Xylenes, Total ND 0.099 mg/Kg 1 11/29/2023 9:07:30 PM Surr: 4-Bromofluorobenzene 98.0 39.1-146 %Rec 1 11/29/2023 9:07:30 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 12/1/2023 4:15:48 PM 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL

Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 13 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-18 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:20:00 AM Lab ID: 2311C33-014 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 8.2 mg/Kg 1 12/1/2023 1:12:55 PM Motor Oil Range Organics (MRO) ND 41 mg/Kg 1 12/1/2023 1:12:55 PM 12/1/2023 1:12:55 PM Surr: DNOP 92.4 69-147 %Rec 1 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 9:30:58 PM 4.7 mg/Kg 1 Surr: BFB 94.3 15-244 %Rec 1 11/29/2023 9:30:58 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND mg/Kg 11/29/2023 9:30:58 PM 0.024 1 Toluene ND 0.047 mg/Kg 1 11/29/2023 9:30:58 PM Ethylbenzene ND 0.047 mg/Kg 1 11/29/2023 9:30:58 PM Xylenes, Total ND 0.095 mg/Kg 1 11/29/2023 9:30:58 PM Surr: 4-Bromofluorobenzene 95.5 39.1-146 %Rec 1 11/29/2023 9:30:58 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 12/1/2023 4:28:13 PM 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL

Practical Ouanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 14 of 24

Date Reported: 12/8/2023

12/1/2023 4:40:38 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-18 2' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:25:00 AM Lab ID: 2311C33-015 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 9.4 mg/Kg 1 12/1/2023 1:37:23 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 12/1/2023 1:37:23 PM Surr: DNOP 95.1 69-147 %Rec 1 12/1/2023 1:37:23 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 9:54:21 PM 4.6 mg/Kg 1 Surr: BFB 93.1 15-244 %Rec 1 11/29/2023 9:54:21 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND mg/Kg 11/29/2023 9:54:21 PM 0.023 1 Toluene ND 0.046 mg/Kg 1 11/29/2023 9:54:21 PM Ethylbenzene ND 0.046 mg/Kg 1 11/29/2023 9:54:21 PM Xylenes, Total ND 0.092 mg/Kg 1 11/29/2023 9:54:21 PM Surr: 4-Bromofluorobenzene 93.4 39.1-146 %Rec 1 11/29/2023 9:54:21 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT

ND

60

mg/Kg

20

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

Qualifiers:

Chloride

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

POL Practical Ouanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits Р

Sample pH Not In Range

RL Reporting Limit Page 15 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-19 0' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:30:00 AM Lab ID: 2311C33-016 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 8.8 mg/Kg 1 12/1/2023 2:01:43 PM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 12/1/2023 2:01:43 PM Surr: DNOP 93.2 69-147 %Rec 1 12/1/2023 2:01:43 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 10:17:47 PM 4.9 mg/Kg 1 Surr: BFB 97.1 15-244 %Rec 1 11/29/2023 10:17:47 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.024 mg/Kg 11/29/2023 10:17:47 PM 1 Toluene ND 0.049 mg/Kg 1 11/29/2023 10:17:47 PM Ethylbenzene ND 0.049 mg/Kg 1 11/29/2023 10:17:47 PM Xylenes, Total ND 0.098 mg/Kg 1 11/29/2023 10:17:47 PM Surr: 4-Bromofluorobenzene 97.3 39.1-146 %Rec 1 11/29/2023 10:17:47 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 12/1/2023 4:53:02 PM 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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Ouanitative Limit

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits Р

Sample pH Not In Range

RL Reporting Limit Page 16 of 24

Date Reported: 12/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-19 2' **Project:** Todd 36 D State 002 Collection Date: 11/17/2023 10:35:00 AM Lab ID: 2311C33-017 Matrix: SOIL Received Date: 11/28/2023 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD Diesel Range Organics (DRO) ND 8.7 mg/Kg 1 12/1/2023 2:26:16 PM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 12/1/2023 2:26:16 PM Surr: DNOP 93.3 69-147 %Rec 1 12/1/2023 2:26:16 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 11/29/2023 10:41:08 PM 4.7 mg/Kg 1 Surr: BFB 95.1 15-244 %Rec 1 11/29/2023 10:41:08 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND mg/Kg 11/29/2023 10:41:08 PM 0.024 1 Toluene ND 0.047 mg/Kg 1 11/29/2023 10:41:08 PM Ethylbenzene ND 0.047 mg/Kg 1 11/29/2023 10:41:08 PM Xylenes, Total ND 0.094 mg/Kg 1 11/29/2023 10:41:08 PM Surr: 4-Bromofluorobenzene 95.6 39.1-146 %Rec 1 11/29/2023 10:41:08 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 12/1/2023 5:05:28 PM 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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND POL

Practical Ouanitative Limit S

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 17 of 24

Client: Project:		esources Services D State 002	, Inc.							
Sample ID:	MB-79100	SampType: MI	BLK	Tes	tCode: EF	A Method	300.0: Anions			
Client ID:	PBS	Batch ID: 79	100	F	RunNo: 10)1545				
Prep Date:	12/1/2023	Analysis Date: 1	2/1/2023	S	SeqNo: 37	38624	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-79100	SampType: LCS TestCode: EPA Method 300.0: Anions								
Client ID:	LCSS	Batch ID: 79	100	F	RunNo: 10)1545				
Prep Date:	12/1/2023	Analysis Date: 12	2/1/2023	S	SeqNo: 37	38625	Units: mg/Kg	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	93.1	90	110			
Sample ID:	MB-79099	SampType: MI	BLK	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batch ID: 79	099	F	RunNo: 10)1539				
Prep Date:	12/1/2023	Analysis Date: 1	2/1/2023	S	SeqNo: 37	739558	Units: mg/Kg	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-79099	SampType: LC	s	Tes	tCode: EF	A Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 79	099	F	RunNo: 10)1539				
Prep Date:	12/1/2023	Analysis Date: 12	2/1/2023	5	SeqNo: 37	739559	Units: mg/Kg	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15 1.5	15.00	0	97.7	90	110			

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 ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2311C33

08-Dec-23

WO#:

Client: Vertex R	Resources Services, Inc.	
Project: Todd 36	D State 002	
Sample ID: LCS-79082	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 79082	RunNo: 101534
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738243 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	51 10 50.00	0 102 61.9 130
Surr: DNOP	4.7 5.000	94.3 69 147
Sample ID: MB-79082	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 79082	RunNo: 101534
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738245 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) Surr: DNOP	ND 50 10 10.00	101 69 147
	10 10.00	
Sample ID: MB-79089	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 79089	RunNo: 101553
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738961 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) Surr: DNOP	ND 50 11 10.00	111 69 147
Sample ID: LCS-79089	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 79089	RunNo: 101553
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738962 Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	56 10 50.00 5.2 5.000	0 112 61.9 130
	5.2 5.000	104 69 147
Sample ID: MB-79081	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 79081	RunNo: 101555
Prep Date: 11/30/2023	Analysis Date: 12/2/2023	SeqNo: 3739049 Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 11 10.00	113 69 147
	11 10.00	113 69 147

- * 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

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08-Dec-23

WO#:

Client:	Vertex Re	esources S	ervices,	, Inc.							
Project:	Todd 36 I	O State 00	2								
Sample ID: LCS-	79081	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID: LCSS	6	Batch	h ID: 79	081	F	RunNo: 10	01555				
Prep Date: 11/3	80/2023	Analysis D	Date: 12	2/2/2023	S	SeqNo: 37	739050	Units: mg/Kg	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organica	s (DRO)	53	10	50.00	0	106	61.9	130			
Surr: DNOP		5.3		5.000		106	69	147			
Sample ID: MB-7	9120	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID: PBS		Batch	h ID: 79 '	120	F	RunNo: 10	01583				
Prep Date: 12/4	/2023	Analysis D	Date: 12	2/4/2023	S	SeqNo: 37	740818	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		10		10.00		102	69	147			
Sample ID: LCS-	79120	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID: LCSS	6	Batch	h ID: 79 '	120	F	RunNo: 1	01583				
Prep Date: 12/4	/2023	Analysis D	Date: 12	2/4/2023	S	SeqNo: 3	740819	Units: %Rec			
Analyta		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte		Result	FQL	SFK value		/orceo	LOWLINI	Ingriennic			Quai

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- 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

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08-Dec-23

WO#:

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	ex Resources Services, Inc.		
Project: Tode	1 36 D State 002		
Sample ID: Ics-79033	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 79033	RunNo: 101468	
Prep Date: 11/28/2023	Analysis Date: 11/29/2023	SeqNo: 3735523 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO Surr: BFB) 23 5.0 25.00 2000 1000		
Sample ID: mb-79033	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 79033	RunNo: 101468	
Prep Date: 11/28/2023	Analysis Date: 11/29/2023	SeqNo: 3735524 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO Surr: BFB) ND 5.0 940 1000	94.4 15 244	
Sample ID: 2311c33-011a	ams SampType: MS	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: BH23-16 2'	Batch ID: 79033	RunNo: 101468	
Prep Date: 11/28/2023	Analysis Date: 11/30/2023	SeqNo: 3735541 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO			
Surr: BFB	2000 959.7	210 15 244	
Sample ID: 2311c33-011a	amsd SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: BH23-16 2'	Batch ID: 79033	RunNo: 101468	
Prep Date: 11/28/2023	Analysis Date: 11/30/2023	SeqNo: 3735543 Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO Surr: BFB) 22 4.8 24.04 1900 961.5		
	1900 901.5	203 13 244 0 0	
Sample ID: Ics-79027	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 79027	RunNo: 101489	
Prep Date: 11/28/2023	Analysis Date: 11/29/2023	SeqNo: 3735705 Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO Surr: BFB) 22 5.0 25.00 2100 1000		
Sample ID: mb-79027	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 79027	RunNo: 101489	
Prep Date: 11/28/2023	Analysis Date: 11/29/2023	SeqNo: 3735706 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
		-	

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.
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- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

2311C33

08-Dec-23

WO#:

	Vertex Resources Services, Inc. Todd 36 D State 002									
Sample ID: mb-79027	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	line Range	•	
Client ID: PBS	Bato	ch ID: 79	027	F	RunNo: 1()1489				
Prep Date: 11/28/202	3 Analysis	Date: 1 1	1/29/2023	S	SeqNo: 37	35706	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) ND	5.0								
Surr: BFB	980		1000		98.2	15	244			

Qualifiers:

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- 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

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08-Dec-23

WO#:

Project:	Vertex Re Todd 36 I		-	Inc.							
Sample ID: L	_CS-79033	SampT	ype: LC	S	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID: L	CSS	Batch	n ID: 790)33	F	RunNo: 10	1468				
Prep Date:	11/28/2023	Analysis D	Date: 11	/29/2023	5	SeqNo: 37	35623	Units: mg/K	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	- %RPD	RPDLimit	Qual
Benzene		0.94	0.025	1.000	0	94.2	70	130	701 CI D		Quai
Toluene		0.95	0.050	1.000	0	94.8	70	130			
Ethylbenzene		0.95	0.050	1.000	0	95.1	70	130			
Xylenes, Total		2.9	0.10	3.000	0	96.0	70	130			
Surr: 4-Bromof	fluorobenzene	1.0		1.000		99.8	39.1	146			
Sample ID: n	nb-79033	SampT	уре: МЕ	BLK	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID: P	PBS	Batch	n ID: 790)33	F	RunNo: 1(1468				
Prep Date:	11/28/2023	Analysis D	Date: 11	/29/2023	5	SeqNo: 37	35624	Units: mg/K	ζg		
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								
Curry / Dromot	fluorobenzene										
Sull. 4-DIOIIIO		0.95		1.000		94.6	39.1	146			
	2311c33-012ams		ype: MS		Tes			146 8021B: Volat	iles		
Sample ID: 2		SampT	⁻ ype: MS n ID: 790	;			A Method		iles		
Sample ID: 2 Client ID: E	2311c33-012ams	SampT	n ID: 790)33	F	tCode: EF	PA Method 01468				
Sample ID: 2 Client ID: E	2311c33-012ams 3H23-17 0'	SampT Batch	n ID: 790	3 033 /30/2023 SPK value	F	tCode: EF	PA Method 01468	8021B: Volat		RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene	2311c33-012ams 3H23-17 0'	SampT Batch Analysis D Result 0.99	n ID: 790 Date: 11 PQL 0.023	033 /30/2023 SPK value 0.9372	F SPK Ref Val 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105	PA Method 01468 735627 LowLimit 70	8021B: Volat Units: mg/K HighLimit 130	ſg	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene	2311c33-012ams 3H23-17 0'	SampT Batch Analysis D Result 0.99 1.0	Date: 11 PQL 0.023 0.047	5 033 /30/2023 SPK value 0.9372 0.9372	F SPK Ref Val 0 0	tCode: EF RunNo: 1(SeqNo: 37 %REC 105 107	PA Method 01468 735627 LowLimit 70 70	8021B: Volat Units: mg/K HighLimit 130 130	ſg	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene	2311c33-012ams 3H23-17 0'	SampT Batch Analysis D Result 0.99 1.0 1.0	Date: 11 PQL 0.023 0.047 0.047	33 /30/2023 SPK value 0.9372 0.9372 0.9372	F SPK Ref Val 0 0 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107	PA Method 01468 735627 LowLimit 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130	ſg	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Kylenes, Total	2311c33-012ams 3H23-17 0' 11/28/2023	SampT Batch Analysis E Result 0.99 1.0 1.0 3.0	Date: 11 PQL 0.023 0.047	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812	F SPK Ref Val 0 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 107	PA Method 01468 735627 LowLimit 70 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130 130	ſg	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene	2311c33-012ams 3H23-17 0' 11/28/2023	SampT Batch Analysis D Result 0.99 1.0 1.0	Date: 11 PQL 0.023 0.047 0.047	33 /30/2023 SPK value 0.9372 0.9372 0.9372	F SPK Ref Val 0 0 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107	PA Method 01468 735627 LowLimit 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130	ſg	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromot	2311c33-012ams 3H23-17 0' 11/28/2023	SampT Batch Analysis E Result 0.99 1.0 1.0 3.0 0.91	Date: 11 PQL 0.023 0.047 0.047	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372	F SPK Ref Val 0 0 0 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 107 97.3	PA Method 01468 735627 LowLimit 70 70 70 70 39.1	8021B: Volat Units: mg/K HighLimit 130 130 130 130	Sg %RPD	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromot Sample ID: 2	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene	SampT Batch Analysis E Result 0.99 1.0 1.0 1.0 3.0 0.91 SampT	Date: 11 PQL 0.023 0.047 0.047 0.094	333 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372 2.812 0.9372	F SPK Ref Val 0 0 0 0 0 Tes	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 107 97.3	PA Method 01468 735627 LowLimit 70 70 70 70 39.1 PA Method	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146	Sg %RPD	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromot Sample ID: 2 Client ID: E	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene 2311c33-012amsd	SampT Batch Analysis E Result 0.99 1.0 1.0 1.0 3.0 0.91 SampT	Date: 11 PQL 0.023 0.047 0.047 0.094	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372 0.9372 5D	F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 107 97.3 tCode: EF	PA Method 01468 735627 LowLimit 70 70 70 70 39.1 PA Method 01468	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146	Sg %RPD	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromot Sample ID: 2 Client ID: E	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene 2311c33-012amsd 3H23-17 0'	SampT Batch Analysis D Result 0.99 1.0 1.0 1.0 3.0 0.91 SampT Batch	Date: 11 PQL 0.023 0.047 0.047 0.094	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372 30/30/2023	F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 97.3 tCode: EF RunNo: 10	PA Method 01468 735627 LowLimit 70 70 70 70 39.1 PA Method 01468	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati	Sg %RPD	RPDLimit	Qual
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromod Sample ID: 2 Client ID: E Prep Date:	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene 2311c33-012amsd 3H23-17 0'	SampT Batch Analysis D Result 0.99 1.0 1.0 1.0 3.0 0.91 SampT Batch Analysis D Result 0.91	Date: 11 PQL 0.023 0.047 0.047 0.094	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372 30/2023 SPK value 0.9320	F SPK Ref Val 0 0 0 0 0 Tes F	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 107 97.3 tCode: EF RunNo: 10 SeqNo: 37 %REC 97.6	PA Method 01468 235627 LowLimit 70 70 70 39.1 PA Method 01468 235628 LowLimit 70	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati	Sg %RPD iles		
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromot Sample ID: 2 Client ID: E Prep Date: Analyte	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene 2311c33-012amsd 3H23-17 0'	SampT Batch Analysis D Result 0.99 1.0 1.0 1.0 3.0 0.91 SampT Batch Analysis D Result 0.91 0.92	Date: 11 PQL 0.023 0.047 0.094 0.094 0.094 ype: MS n ID: 790 Date: 11 PQL	33 /30/2023 SPK value 0.9372 0.9372 2.812 0.9372 2.812 0.9372 30/2023 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 97.3 tCode: EF RunNo: 10 SeqNo: 37 %REC 97.6 98.6	PA Method 01468 235627 LowLimit 70 70 70 39.1 PA Method 01468 235628 LowLimit 70 70 70 39.1	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati Units: mg/K HighLimit	Sg %RPD iles Sg %RPD	RPDLimit 20 20	
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromot Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Toluene Ethylbenzene	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene 2311c33-012amsd 3H23-17 0'	SampT Batch Analysis D Result 0.99 1.0 1.0 3.0 0.91 SampT Batch Analysis D Result 0.91 0.92 0.93	Date: 11 PQL 0.023 0.047 0.094 0.094 0.094 0.094 0.094 0.094 0.023 0.047 0.023 0.047 0.023 0.047 0.023 0.047	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372 33 /30/2023 SPK value 0.9320 0.9320 0.9320 0.9320	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 97.3 tCode: EF RunNo: 10 SeqNo: 37 %REC 97.6 98.6 99.6	PA Method 01468 735627 LowLimit 70 70 70 39.1 PA Method 01468 735628 LowLimit 70 70 70 70 70 70 70 70 70 70	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati Units: mg/K HighLimit 130 130 130	5g %RPD iles 5g %RPD 8.05 8.61 8.10	RPDLimit 20 20 20	
Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromot Sample ID: 2 Client ID: E Prep Date: Analyte Benzene Foluene	2311c33-012ams 3H23-17 0' 11/28/2023 fluorobenzene 2311c33-012amsd 3H23-17 0' 11/28/2023	SampT Batch Analysis D Result 0.99 1.0 1.0 1.0 3.0 0.91 SampT Batch Analysis D Result 0.91 0.92	Date: 11 PQL 0.023 0.047 0.047 0.094 Type: MS 0.026 1 D: 790 Date: 11 PQL 0.023 0.047	33 /30/2023 SPK value 0.9372 0.9372 0.9372 2.812 0.9372 0.9372 30 33 /30/2023 SPK value 0.9320 0.9320 0.9320	F SPK Ref Val 0 0 0 0 Tes SPK Ref Val 0 0	tCode: EF RunNo: 10 SeqNo: 37 %REC 105 107 107 97.3 tCode: EF RunNo: 10 SeqNo: 37 %REC 97.6 98.6	PA Method 01468 235627 LowLimit 70 70 70 39.1 PA Method 01468 235628 LowLimit 70 70 70 39.1	8021B: Volat Units: mg/K HighLimit 130 130 130 130 146 8021B: Volati Units: mg/K HighLimit 130 130	59 %RPD iles 59 %RPD 8.05 8.61	RPDLimit 20 20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2311C33

17 4 D

CI.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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Client: Vertex	Resources S	services,	Inc.							
Project: Todd 3	6 D State 00)2								
Sample ID: Ics-79027	Samp ⁻	SampType: LCS		Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 79027			F	RunNo: 1	01489				
Prep Date: 11/28/2023	Analysis [Date: 11	/29/2023	5	SeqNo: 3	735851	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	70	130			
Toluene	0.95	0.050	1.000	0	95.4	70	130			
Ethylbenzene	0.97	0.050	1.000	0	96.9	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.7	70	130			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	39.1	146			
Sample ID: mb-79027	Samp ⁻	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 79(027	F	RunNo: 1	01489				
Prep Date: 11/28/2023	Analysis [Date: 11	/29/2023	S	SeqNo: 3	735852	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	0.93		1.000		93.4	39.1	146			

Qualifiers:

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- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2311C33

08-Dec-23

Received by OCD: 4/28/2025 2:01:17 PM

Environment Testin

Sample Log-In Check List

Client Name:	Vertex Resources	Work Order Numb	er: 2311C33		RcptNo	: 1
Received By:	Juan Rojas	11/28/2023 7:40:00	AM	flour Eng		
Completed By:	-	11/28/2023 8:32:51				
Reviewed By:	Tracy Casarrubias $7N = 128/23$	11/20/2023 0.32.51	AW			
)((()))))					
Chain of Cus					Not Present	
	ustody complete?		Yes	No 🗹		
2. How was the	sample delivered?		Courier			
Log In		-0	V [7]	No 🗌		
 vvas an attem 	npt made to cool the sample	:S?	Yes 🗹	NO 🗀	NA LJ	
4. Were all samp	ples received at a temperation	ure of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in p	proper container(s)?		Yes 🔽	No 🗌		
6. Sufficient sam	ple volume for indicated tes	st(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) prop	perly preserved?	Yes 🗹	No 🗌		
8. Was preservat	tive added to bottles?		Yes	No 🗹	NA 🗌	
9. Received at le	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any san	nple containers received bro	oken?	Yes	No 🔽	# of preserved	
11.Does paperwo	ork match bottle labels?		Yes 🔽	No 🗌	bottles checked for pH:	
	ancies on chain of custody)				(<2) Adjusted?	r >12 unless noted)
	correctly identified on Chain		Yes 🗹	No 🗌	Adjusted?	
	t analyses were requested?		Yes 🗹	No 🗌	Checked by:	5CM 11/24/2=
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No	Checked by:	
Special Handl	ing (if applicable)					
15. Was client no	tified of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date:	J	7		
By Who	om:	Via:	🗌 eMail 📋 I	Phone 📋 Fax	In Person	
Regardi	ing:					
Client In	nstructions: Mailing addres	ss,phone number and Em	ail/Fax are missir	ng on COC- TMC	2 11/28/23	
16. Additional ren	marks:					
Tme of	client's relinquish signature	does not match drivers				
17. <u>Cooler Infor</u> Cooler No		Soal Intent Coat Mr.	Cool Data	Signed Dr.		
Cooler No		Seal Intact Seal No Yes Morty	Seal Date	Signed By		

Page 1 of 1

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL					
Client: Vortex	Standard Kush 50ar	ANALYSIS LABORATORY					
	Project Name:	www.hallenvironmental.com					
Mailing Address: On File	10dd 36 D State #007	4901 Hawkins NE - Albuquerque, NM 87109					
	Project #: 23E-05197	Tel. 505-345-3975 Fax 505-345-4107					
Phone #:	F/E-0519/	Analysis Request					
email or Fax#:	Project Manager:	21) ARO) S S SO4					
QA/QC Package:	Kont Stallings	/ DRO / MRO / DRO / MRO (082 PCB's 8270SIMS 8270SIMS 8270SIMS resent/Absent					
□ Standard □ Level 4 (Full Validation)	Neht Stallings						
Accreditation: Az Compliance	Sampler: Austin Harris/Bryce Murtime	BTEX MTBE / TMB's (8021) CPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI,F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ S260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)					
□ NELAC □ Other □ EDD (Type)	On Ice: Yes INO # of Coolers: Morty	RTEX MTBE / 1 PH:8015D(GRO / 8081 Pesticides/8 8081 Pesticides/8 EDB (Method 504 PAHs by 8310 or RCRA 8 Metals RCRA 8 Metals CI, F, Br, NO ₃ , N 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Pr					
	Cooler Temp(including CF): (1U.) - (°C)	RTEX MTBE / PH:8015D/GR 8081 Pesticides EDB (Method 5 PAHs by 8310 (RCRA 8 Metals RCRA 8 Metals RCRA 8 Metals 8260 (VOA) 8260 (VOA) 8270 (Semi-VO Total Coliform (
	Container Preservative HEAL No.	BITEX PAH:80 8081 Pe 8081 Pe 8081 Pe RCRA 8 8260 (V 8270 (S 10tal C					
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type 2311C33						
11.12739:00 Soil BH23-2 0	Yozjar Ice 001						
1 9:05 1 BH23-12 2	500						
9:10 BH23-13 0	003						
9:15 BH23-13 2	004						
9:20 BH23-14 0'	005						
9:25 BH23-14 2'	006						
9:50 BH23-15 0	F00						
9:55 8427-15 2	800						
13:45 BH 23-15 4	009						
10:00 BH23-16 0	010						
10:05 1 18+123-16 2	110						
V 10:10 V BH23-17 0'	012						
Date: Time: Relinquished by:	Received by: Via: Date Time	Remarks: Devon Energy Corporation c KStallings@vertex.ca, Attarris@vertex.ca					
161223 Bryce Mortimer	Received by Via: Date Time						
Date: Time: Relinquished by:	index in the second s	a KStallings@vertex.ca, Attarris@vertex.ca					
"A B POD Communs	CUVIER 11/28/137140	i with the Annual contracted date will be clearly poteted on the analytical report					
If necessary, samples submitted to Hall Environmental may be su	DCONTRACTED TO OTHER ACCREDITED TABORATORIES. THIS SERVES AS HOLICE OF IT	his possibility. Any sub-contracted data will be clearly notated on the enalytical report.					

Client: Verlex Mailing Address: On file	Turn-Around Time: Standard <u>Rush 5024</u> Project Name: Told 36 D State #002 Project #: 25 05107	HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107
Phone #: email or Fax#: QA/QC Package: Standard Level 4 (Full Validation) Accreditation: Az Compliance NELAC Other	Project #: 23E - 05197 Project Manager: Ken + Stallings Sampler: Austin Hurn's / Pryce Morfimer On Ice:Yes No	Analysis Request Loc / WEO) PCB's PCB's PO4' SO4 PO4' SO4 PO4' SO4 PO4' SO4 PO4' SO4 PO4' SO4 PO4' SO4 PO4' SO4 PO4' SO4 PCB'S
□ EDD (Type) Date Time Matrix Sample Name 1	# of Coolers: Cooler Temp(including CF): U-1-U-1-0 (°C) Container Type and # Type HEAL No. Type 2311(33 Hozjar Ice 013	&TEXY MTBE / TMB - TPH:8015D/GRO / DR 8081 Pesticides/8082 8081 Pesticides/8082 EDB (Method 504.1) PAHs by 8310 or 8271 RCRA 8 Metals - OF, Br, NO3, NO2, 8260 (VOA) 8270 (Semi-VOA) 1011 Total Coliform (Preseit)
10:25 BH23-18 0 10:25 BH23-18 2 10:30 BH23-19 0 V 10:35 V BH23-19 2	014 015 016 016 016	
Date: Time: Relinquished by: 1.17.33 Date: Time: Relinquished by: 1.17.34 Date: Time: Relinq	Received by: Via: Date Time Culture 11(27)23 93D Received by: Via: Date Time Via: Date Time Culture 11 28 23 7.40 contracted to other accredited laboratories. This serves as notice of thi	Remarks: Devon Energy Corporation cc KStallings@vertex.ca, Attarris@vertex.ca s possibility. Any sub-contracted data will be clearly notated on the analytical report.

Received by OCD: 4/28/2025 2:01:17 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220 Generated 4/12/2024 7:39:25 AM

JOB DESCRIPTION

Todd 36 D State #002

JOB NUMBER

885-2488-1

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

Authorized for release by

(505)345-3975

Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com

Generated 4/12/2024 7:39:25 AM

Released to Imaging: 6/26/2025 1:28:41 PM

Laboratory Job ID: 885-2488-1

2 3

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Definitions/Glossary

Client: Vertex Project/Site: Todd 36 D State #002 Job ID: 885-2488-1

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

TE TNTC Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Job ID: 885-2488-1

Job ID: 885-2488-1

Eurofins Albuquerque

Job Narrative 885-2488-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/6/2024 11:37 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 1.4°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.

Client Sample Results

RL

Unit

D

Prepared

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: BH24-24 0" Date Collected: 04/04/24 09:50 Date Received: 04/06/24 11:37

Analyte

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

Result Qualifier

Dil Fac
1
Dil Fac
Dil Fac
1
1
1
1
Dil Fac
1
Dil Fac
1
1
Dil Fac
1
Dil Fac
1
$\begin{array}{c}1\\1\\1\\\overline{1}\end{array}$

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Matrix: Solid

Dil Fac

Job ID: 885-2488-1

Lab Sample ID: 885-2488-1

Analyzed

Client Sample Results

RL

5.0

Unit

mg/Kg

D

Prepared

04/08/24 15:32 04/10/24 15:14

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: BH24-24 2" Date Collected: 04/04/24 09:55 Date Received: 04/06/24 11:37

Gasoline Range Organics [C6 - C10]

Analyte

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

Result Qualifier

ND

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15-244			04/08/24 15:32	04/10/24 15:14	1
Method: SW846 8021B - Volat	ile Organic	Compour	de (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene			0.025	mg/Kg		04/08/24 15:32		1
Ethylbenzene	ND		0.050	mg/Kg			04/10/24 15:14	1
Toluene	ND		0.050	mg/Kg			04/10/24 15:14	1
Xylenes, Total	ND		0.10	mg/Kg			04/10/24 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		39-146			<u> </u>	04/10/24 15:14	1
Method: SW846 8015D - Diese Analyte Diesel Range Organics [C10-C28]		Qualifier	$\frac{RL}{9.7} = \frac{RL}{9.7}$	Unit mg/Kg	<u>D</u>	Prepared 04/09/24 13:09	Analyzed 04/10/24 16:21	Dil Fac
								1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/09/24 13:09	04/10/24 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62-134			04/09/24 13:09	04/10/24 16:21	1
Method: EPA 300.0 - Anions, I	on Chroma	tography -	Soluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15		5.0	mg/Kg			04/11/24 06:19	1
_								

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Job ID: 885-2488-1

Lab Sample ID: 885-2488-2

Analyzed

Matrix: Solid

Dil Fac

1

QC Sample Results

Client: Vertex Project/Site: Todd 36 D State #002

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

Lab Sample ID: MB 885-292 Matrix: Solid	4/1-A								le ID: Metho Prep Type: T	otal/NA
Analysis Batch: 3090									Prep Batc	h: <mark>2924</mark>
	ME	B MB								
Analyte		t Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	NE		5.0		mg/K	g	_	04/08/24 15:32	04/10/24 11:19	1
	МЕ	B MB								
Surrogate	%Recover	/ Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10.	2	15_244					04/08/24 15:32	04/10/24 11:19	1
Lab Sample ID: LCS 885-29	24/2-A					Clie	nt	Sample ID:	Lab Control	Sample
Matrix: Solid									Prep Type: T	
Analysis Batch: 3090									Prep Batc	h: <mark>2924</mark>
-			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits	
Gasoline Range Organics [C6 - C10]			25.0	25.5		mg/Kg		102	70-130	
	LCS LC	s								
Surrogate	%Recovery Qu	alifier	Limits							
4-Bromofluorobenzene (Surr)	204		15-244							
lethod: 8021B - Volatile	Organic C	Compou	nds (GC)							
Lab Sample ID: MB 885-292	4/1-A							Client Samp	ole ID: Metho	d Blank
Matrix: Solid									Prep Type: T	otal/NA
Analysis Batch: 3091									Prep Batc	h: <mark>2924</mark>
	ME	B MB								
Analyte		t Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	N		0.025		mg/K	-		04/08/24 15:32		1
Ethylbenzene	NE)	0.050		mg/K	g		04/08/24 15:32		1
Toluene	NE)	0.050		mg/K	g		04/08/24 15:32	04/10/24 11:19	1
Xylenes, Total	NE		0.10		mg/K				04/10/24 11:19	

Matrix: Solid Analysis Batch: 3091										Prep Type: 1 Prep Bate	
	I	MB N	MB								
Analyte	Res	sult (Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene		ND		0.025		mg/K	g	— ī	04/08/24 15:3	2 04/10/24 11:19	1
Ethylbenzene		ND		0.050		mg/K	g	C	04/08/24 15:3	2 04/10/24 11:19	1
Toluene		ND		0.050		mg/K	g	C	04/08/24 15:3	2 04/10/24 11:19	1
Xylenes, Total		ND		0.10		mg/K	g	C	04/08/24 15:3	2 04/10/24 11:19	1
	l.	мв I	МВ								
Surrogate	%Recov	ery (Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		87		39-146				\overline{c}	04/08/24 15:3	2 04/10/24 11:19	1
_ Lab Sample ID: LCS 885-	2924/3-A	07		39-140			Clie	-		Lab Control	
	·2924/3-A	0,			LCS	LCS	Clie	-		Prep Type: 7 Prep Bate	otal/NA
Lab Sample ID: LCS 885 Matrix: Solid	·2924/3-A	0,		Spike Added		LCS Qualifier	Clie	-		Prep Type: 1	otal/NA
Lab Sample ID: LCS 885 Matrix: Solid Analysis Batch: 3091	•2924/3-A			Spike				-	Sample ID	Prep Type: Prep Bato %Rec	otal/NA
Lab Sample ID: LCS 885 Matrix: Solid Analysis Batch: 3091 Analyte				Spike Added	Result		Unit	-	Sample ID	Prep Type: Prep Bate %Rec Limits	otal/NA
Lab Sample ID: LCS 885- Matrix: Solid Analysis Batch: 3091 Analyte Benzene	·			Spike Added 1.00	Result 0.786	Qualifier	Unit mg/Kg	-	Sample ID <u>D</u> %Rec 79	Prep Type: 7 Prep Bate %Rec Limits 70-130	otal/NA
Lab Sample ID: LCS 885- Matrix: Solid Analysis Batch: 3091 Analyte Benzene Ethylbenzene	•2924/3-A			Spike Added 1.00 1.00	Result 0.786 0.804	Qualifier	<mark>Unit</mark> mg/Kg mg/Kg	-	D %Rec 79 80	Prep Type: Prep Bate %Rec	otal/NA
Lab Sample ID: LCS 885- Matrix: Solid Analysis Batch: 3091 Analyte Benzene Ethylbenzene Toluene	-2924/3-A		·	Spike Added 1.00 1.00 1.00	Result 0.786 0.804 0.795	Qualifier	Unit mg/Kg mg/Kg mg/Kg	-	D %Rec 79 80 80 80	Image: Prep Type: T	otal/NA
Lab Sample ID: LCS 885- Matrix: Solid Analysis Batch: 3091 Analyte Benzene Ethylbenzene Toluene		LCS		Spike Added 1.00 1.00 1.00	Result 0.786 0.804 0.795	Qualifier	Unit mg/Kg mg/Kg mg/Kg	-	D %Rec 79 80 80 80	Image: Prep Type: T	otal/NA

Job ID: 885-2488-1

Eurofins Albuquerque

QC Sample Results

Client: Vertex Project/Site: Todd 36 D State #002

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

_											
Lab Sample ID: MB 885-297	75/1-A							CI	ient Sam	ole ID: Metho	d Blan
Matrix: Solid										Prep Type:	Total/N/
Analysis Batch: 3129										Prep Bate	
	MB	MB								•	
Analyte	Result	Qualifier		RL		Unit	[)	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND			10		mg/K		04	/09/24 13:09	04/10/24 11:23	3
Motor Oil Range Organics [C28-C40)] ND			50		mg/K	g	04	/09/24 13:09	04/10/24 11:23	3
						-	-				
-		MB									
Surrogate	%Recovery								Prepared	Analyzed	Dil Fa
_Di-n-octyl phthalate (Surr) _	117		02-1	34				04,	/09/24 13:09	0 04/10/24 11:23	5
Lab Sample ID: LCS 885-29	75/2-4						Clie	nt Sa	amnle ID:	Lab Control	Sample
Matrix: Solid	1312-A						Unci		imple ib.	Prep Type:	
Analysis Batch: 3129										Prep Bate	
Analysis Baton. 0120			Spike		LCS	LCS				%Rec	511. 207
Analyte			Added			Qualifier	Unit	C) %Rec	Limits	
Diesel Range Organics			50.0		53.5		mg/Kg	_ =	107	60-135	
[C10-C28]			00.0		00.0				107	00-100	
		~									
0	LCS LCS	-	1								
Surrogate	%Recovery Qua	aimer	Limits 62_134								
 	124		02 - 134								
Method: 300.0 - Anions,	lon Chrom	atograp	bhy								
_											
Lab Sample ID: MB 880-778	847/1 -A							CI	ient Sam	ple ID: Metho	
Matrix: Solid										Prep Type:	Soluble
Analysis Batch: 77873											
		MB									
Analyte		Qualifier		RL		Unit		2	Prepared	Analyzed	Dil Fa
Chloride	ND			5.0		mg/K	g			04/11/24 03:09)
_ Lab Sample ID: LCS 880-77	7047/2 4						Clie		ample ID.	Lab Control	Samula
Matrix: Solid	041/2-A						Cilei	11 38	ample ID:		
										Prep Type:	Solubio
Analysis Batch: 77873			Spike		1.00	LCS				%Rec	
Analyta			Added			Qualifier	Unit	C) %Rec	Limits	
Analyte Chloride	·		250		254	Quaimer	mg/Kg	L	102 -	90-110	
			200		204		mg/Kg		IUZ	50-110	
Lab Sample ID: LCSD 880-7	77847/3-A					C	lient Sa	mnl	e ID: Lab	Control Sam	ple Dur
Matrix: Solid										Prep Type:	
Analysis Batch: 77873											20.000
			Spike		LCSD	LCSD				%Rec	RPD
Analyte			Added			Qualifier	Unit	Г) %Rec	Limits RF	

Job ID: 885-2488-1

Eurofins Albuquerque

Chloride

250

254

mg/Kg

102

90 - 110

20

0

QC Association Summary

Client: Vertex Project/Site: Todd 36 D State #002

GC VOA

Prep Batch: 2924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2488-1	BH24-24 0'	Total/NA	Solid	5030C	
885-2488-2	BH24-24 2'	Total/NA	Solid	5030C	
MB 885-2924/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-2924/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-2924/3-A	Lab Control Sample	Total/NA	Solid	5030C	
Analysis Batch: 309	90				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2488-1	BH24-24 0'	Total/NA	Solid	8015D	2924
885-2488-2	BH24-24 2'	Total/NA	Solid	8015D	2924
MB 885-2924/1-A	Method Blank	Total/NA	Solid	8015D	2924
LCS 885-2924/2-A	Lab Control Sample	Total/NA	Solid	8015D	2924
Analysis Batch: 309	91				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2488-1	BH24-24 0'	Total/NA	Solid	8021B	2924
885-2488-2	BH24-24 2'	Total/NA	Solid	8021B	2924
MB 885-2924/1-A	Method Blank	Total/NA	Solid	8021B	2924
LCS 885-2924/3-A	Lab Control Sample	Total/NA	Solid	8021B	2924
GC Semi VOA					

Prep Batch: 2975

Lab Sample ID 885-2488-1	Client Sample ID BH24-24 0'	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
885-2488-2	BH24-24 2'	Total/NA	Solid	SHAKE	
MB 885-2975/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-2975/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 3129

Lab Sample ID 885-2488-1	Client Sample ID BH24-24 0'	Prep Type Total/NA	Matrix Solid	Method 8015D	Prep Batch 2975
885-2488-2	BH24-24 2'	Total/NA	Solid	8015D	2975
MB 885-2975/1-A	Method Blank	Total/NA	Solid	8015D	2975
LCS 885-2975/2-A	Lab Control Sample	Total/NA	Solid	8015D	2975

HPLC/IC

Leach Batch: 77847

Lab Sample ID 885-2488-1	Client Sample ID BH24-24 0'	Prep Type Soluble	Matrix	Method Prep DI Leach	Batch
885-2488-2	BH24-24 2'	Soluble	Solid	DI Leach	
MB 880-77847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-77847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-77847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 77873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2488-1	BH24-24 0'	Soluble	Solid	300.0	77847
885-2488-2	BH24-24 2'	Soluble	Solid	300.0	77847
MB 880-77847/1-A	Method Blank	Soluble	Solid	300.0	77847
LCS 880-77847/2-A	Lab Control Sample	Soluble	Solid	300.0	77847

Eurofins Albuquerque

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Job ID: 885-2488-1

QC Association Summary

Job ID: 885-2488-1

Client: Vertex Project/Site: Todd 36 D State #002

HPLC/IC (Continued)

Analysis Batch: 77873 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
LCSD 880-77847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	77847	

Eurofins Albuquerque

Project/Site: Todd 36 D State #002 Client Sample ID: BH24-24 0'

Date Collected: 04/04/24 09:50

Date Received: 04/06/24 11:37

Batch

Туре

Prep

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Batch

Method

5030C

8015D

5030C

8021B

SHAKE

8015D

300.0

DI Leach

Client: Vertex

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Batch

2924 JP

3090 JP

2924 JP

3091 JP

2975 PD

3129 JU

77847 SA

77873 SMC

Number Analyst

Lab

EET ALB

EET ALB

EET ALB

EET ALB

EET ALB

EET ALB

EET MID

EET MID

Dilution

Factor

1

1

1

1

Run

Job ID: 885-2488-1

Lab Sample ID: 885-2488-1

Prepared

or Analyzed

04/08/24 15:32

04/10/24 14:51

04/08/24 15:32

04/10/24 14:51

04/09/24 13:09

04/10/24 16:09

04/10/24 14:45

04/11/24 06:12

Lab Sample ID: 885-2488-2

Matrix: Solid

Matrix: Solid

Client Sample ID: BH24-24 2

Date Collected: 04/04/24 09:55 Date Received: 04/06/24 11:37

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			2924	JP	EET ALB	04/08/24 15:32
Total/NA	Analysis	8015D		1	3090	JP	EET ALB	04/10/24 15:14
Total/NA	Prep	5030C			2924	JP	EET ALB	04/08/24 15:32
Total/NA	Analysis	8021B		1	3091	JP	EET ALB	04/10/24 15:14
Total/NA	Prep	SHAKE			2975	PD	EET ALB	04/09/24 13:09
Total/NA	Analysis	8015D		1	3129	JU	EET ALB	04/10/24 16:21
Soluble	Leach	DI Leach			77847	SA	EET MID	04/10/24 14:45
Soluble	Analysis	300.0		1	77873	SMC	EET MID	04/11/24 06:19

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Albuquerque

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Accreditation/Certification Summary

Client: Vertex Project/Site: Todd 36 D State #002

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

ority	Program		Identification Number Expiration Date		
Mexico	State		NM9425, NM0901 02-26-25		
• •	s are included in this repo does not offer certification		not certified by the governing authori	ty. This list may include analytes	
Analysis Method	alysis Method Matrix Analyte				
8015D	5030C	Solid	Gasoline Range Organics [C6 - C10]		
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]		
8015D	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		
on	NELAP		NM100001	02-26-25	
The following analyte	s are included in this repo	rt, but the laboratory is r	not certified by the governing authori	ty This list may include analytes	
	does not offer certification Prep Method		Analyte		
for which the agency	does not offer certification				
for which the agency Analysis Method	does not offer certification Prep Method	Matrix	Analyte	s [C6 - C10]	
for which the agency Analysis Method 8015D	does not offer certification Prep Method 5030C	Matrix Solid	Analyte Gasoline Range Organics	s [C6 - C10] C10-C28]	
for which the agency Analysis Method 8015D 8015D	does not offer certification Prep Method 5030C SHAKE	Matrix Solid Solid	Analyte Gasoline Range Organics Diesel Range Organics (0	s [C6 - C10] C10-C28]	
for which the agency Analysis Method 8015D 8015D 8015D	does not offer certification Prep Method 5030C SHAKE SHAKE SHAKE	Matrix Solid Solid Solid Solid	Analyte Gasoline Range Organics Diesel Range Organics [0 Motor Oil Range Organics	s [C6 - C10] C10-C28]	

Xylenes, Total

Laboratory: Eurofins Midland

5030C

8021B

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Solid

	Authority	Program	Identification Number	Expiration Date	
	Texas	NELAP	T104704400-23-26	06-30-24	

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5 6

7 8 9

Job ID: 885-2488-1
Client:	Vert Address	ex/ f	ustody Record Sevun file.	^I Standard <u>Rush_5DM</u> Project Name: <i>Todd</i> 36 D State #002 Project #:						A awk	www.	halle E - A	SI nviror	S L nmen uerqu	LAE Ital.co	BOR om M 871			•
Phone	#·	-	1	235-0	5197		-	16	el. 50	5-34	45-39	-	Fax	505 Rec	-345- juest	4107	885-2488 0	coc	1
email QA/QC	creditation:		□ Level 4 (Full Validation)	Project Manager: Ken + 8 fallings				DRO / MRO)	PCB's		SMISC	US OD ON	400		Coliform (Present/Absent)				Ī
				Sampler:	sm		TMB's	/ DR	082	. 1	827(9	17		eser				
		□ Othe	r	On Ice:	b Yes	1 No morty	1	RO	es/8	504	0 or	s	5	(A)	P.				L
	D (Type)		1	# of Coolers: Cooler Temp		10=1.4 (°C)	MTBE.	5D(G	sticid	thod	831(Meta	A	mi-V	form				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type		BTEXU N	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	8260 (VOA)	8270 (Semi-VOA)	Total Col				
4/4/2	19:50	Suil	BH24-24 0'	Yoziar	Ice	1.1.1	V	V				V	1			1.11	1.11		t
J	9:55	V	BH24-242'	J.	V	2	V	V				V							
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Date 5 24 Date 4 5 34	Time 7:45 Time 1900		3h Mala	Received by MMUU Received by	Via Wia counce	Date Time 4/5/24 745 Date Time 11:37 4/6/24 -	1.00	nark: •C -			eifte lings vty					6#:)	100609	2001	し

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Client:	Vertex (хто)	ustody Record		rd ZRus		_	4	G			A			s	LABOR	,	
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				Project #: 2	3E-05219			1	Tel. 5	05-3	45-3	3975		Fax	50	5-345-4107	885-2487	coc
_	: On File			-				-		-				ysis	Re	quest		
	and the second second	icartter@v	/ertex.ca	Project Man	ager: Sally Car	rttar	E	10		1		1	SO4		1	(tu)		1
QA/QC P □ Stand	Package: dard		Level 4 (Full Validation)				(8021)	MI / O	PCB's		8270SIMS		04, 5			Abse		1
ccredit		Az Co	ompliance	Sampler: W	yatt Wadleigh		TMB's	DRC	82 F	F	270		NO2, PO4,			sent		
	AC	C Other		On Ice: DYYes D No marke			1-	10	s/80	504	or 8	10	1.1.1.		(V)	(Pre		
	(Type) _	T		# of Coolers			MTBE)(GR	cide	po	310	etals	NO3	~	-VC	E		
				Cooler Temp	(Including CF)	tp= 1.4.0		015L	esti	Meth	by 8	8 M	B	VOA	Sem	olifo		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX /	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	Q. F. Br. NO3.	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)		
04/03/24	10:00	Soil	BES24-26 1ft	1, 4oz jar		1	x	x	-		-	-	X	~				+
04/03/24	10:15	Soil	BES24-27 1ft	1, 4oz jar		Z	x	X					X					t
04703724	10:30	Soil	BES24-28 1ft	-1. 402 Jar		-	x	×					×					1
04/03/24	10:45	Soil	BES24-29 1 ft	1, 4oz jar			x	x					×.					1
04/03/24-	11:00	Soit	BES24-30 1 ft	1, 4oz jar			x	x					x					1
04/03/24	11.15	Soil	BES24-31 1ft	1, 4oz jar			x	x					×					1
04/03/24	11:30	Soil	BES24-32 1 ft	1, 4 02 jar			×	x					X					T
04/03/24	11:45	Solt	DES24-33 1ft	1, 4oz jar			x	x				-	X					T
04/03/24	12:00	Soil	BES24-34 1 ft	1, 4oz jar		3	x	x					X					
04/03/24	12:15	Soil	BES24-35-1 ft	1, 4oz jar			x	X	-	7	-	-	X					T
04/03/24	12:30	Soil	BES24-36 1 ft	1, 4oz jar		ч	x	x					X					T
04/03/24	12:45	Soil	WES24-05 1 ft	1, 4oz jar		5	x	х					x					
Date: Time: Relinquished by: Wyatt Wadleigh				Received by: MMM	Via:	Date Time 4524 745			s: Ple nter N		ber:		4	elen	H	ex.ca		
15/24	Time: FAD	Relinquish	ullun	Received by:	Via: counce	Date Time 11-37	1055621001											

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4/12/2024

Client V	ertex (X	ГО)		D Standard Project Nam	e Mis Amigos	5 Day_	Ē			A	N	AL	YS	SIS	5 L		OR			
Mailing A	Address	On File						490	01 H	awki	ns N	IE -	Alb	uque	erqu	e, NM	8710	9		
				Project # 23	E-05219		Tel 505-345-3975 Fax 505-345-4107													
Phone #	On File		····				Analysis Request							-						
email or	Fax# So	artter@v	ertex.ca	Project Man	ager Sally Cart	tar	=	0					SO4			ent)			1	
QA/QC P	ackage						(8021)	MR	PCB's		8270SIMS		PO4, 5			Abse				
Stand	lard		Level 4 (Full Validation)				3's (02	PC	-	ISO'		P			ently				
Accredita			mpliance		yatt Wadleigh		TMB's	0	Pesticides/8082	1)	827		NO2,		~	rese				
O NELA		□ Other		On Ice:		No morty		RO	es/8	504	10 O	SIS	NO ₃ ,	1.5	IOA	E E				
	(Type)	-		# of Coolers: 1 Cooler Temp(Induding CF): 1.4+02 1.4 **		MTBE /	D)Q	ticid	thod	831	Meta	ž	A	-im	form					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / N	TPH 8015D(GRO / DRO / MRO)	8081 Pes	EDB (Method 504 1)	PAHs by 8310 or	RCRA 8 Metals	ØI, F, Br,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
04/03/24	13 00	Soil	WES24-06 1ft	1, 4oz jar	1,120	1	x	X	00	ш	<u>a</u>	EK.	X	80	80	E.			-	F
04/03/24	13 15	Soil	WES24-07 1 ft	1, 4oz jar		2	X	x					x				1		ī	F
04/03/24	1	Soil	WES24-11 1 ft	1, 4oz jar		3	x	x				11.	x							F
04/03/24	10 00	001		1, 102 jui			Â	~					~				1			Г
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Date	Time		ed by Wyatt Wadleigh	Received by	Via			harks t cen								ex ca	-			
Date 45/24	Time 1900	Relinquish	ed by	Received by	Via Cauner	Date Time 4/6/24 11:37														

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10 8 7 6 5

Login Sample Receipt Checklist

Client: Vertex

Login Number: 2488 List Number: 1 Creator: Casarrubias, Tracy

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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

List Source: Eurofins Albuquerque

Job Number: 885-2488-1

Login Sample Receipt Checklist

Client: Vertex

Question

tampered with.

COC is present

HTs)

MS/MSDs

<6mm (1/4").

Login Number: 2488 List Number: 2

Creator: Rodriguez, Leticia

Samples were received on ice.

Cooler Temperature is acceptable.

COC is filled out in ink and legible.

Sample containers have legible labels.

Sample collection date/times are provided.

Appropriate sample containers are used.

Containers are not broken or leaking.

Sample bottles are completely filled. Sample Preservation Verified.

COC is filled out with all pertinent information

Is the Field Sampler's name present on COC?

Cooler Temperature is recorded.

The cooler's custody seal, if present, is intact.

The cooler or samples do not appear to have been compromised or

There are no discrepancies between the containers received and the COC.

Samples are received within Holding Time (excluding tests with immediate

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Sample custody seals, if present, are intact.

Job Number: 885-2488-1

List Source: Eurofins Midlar	nd
List Creation: 04/10/24 01:43 P	M

Comment

Answer

N/A N/A

True

True True

N/A

True

N/A

Eurofins Albuquer	que		
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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220 Generated 4/14/2025 3:00:12 PM

JOB DESCRIPTION

Todd 36D State 002

JOB NUMBER

885-22760-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information

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

Authorized for release by

(505)345-3975

Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com

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Laboratory Job ID: 885-22760-1

2

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Certification Summary	24
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Job ID: 885-22760-1

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

Eurofins Albuquerque

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Case Narrative

Job ID: 885-22760-1

Client: Vertex Project: Todd 36D State 002

Job ID: 885-22760-1

Eurofins Albuquerque

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Job Narrative 885-22760-1

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 4/8/2025 8:05 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 2.8°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.

Matrix: Solid

Job ID: 885-22760-1

Lab Sample ID: 885-22760-1

Date Collected: 04/04/25 09:00 Date Received: 04/08/25 08:05

Project/Site: Todd 36D State 002
Client Sample ID: BS25-01 1

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		04/09/25 10:08	04/11/25 16:36	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		35 - 166			04/09/25 10:08	04/11/25 16:36	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 16:36	1
Ethylbenzene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 16:36	1
Toluene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 16:36	1
Xylenes, Total	ND		0.099	mg/Kg		04/09/25 10:08	04/11/25 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			48 - 145			04/09/25 10:08	04/11/25 16:36	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/10/25 10:50	04/10/25 15:25	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/10/25 10:50	04/10/25 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			04/10/25 10:50	04/10/25 15:25	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			61					

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Released to Imaging: 6/26/2025 1:28:41 PM

Job ID: 885-22760-1

Lab Sample ID: 885-22760-2 Matrix: Solid

Date Collected: 04/04/25 09:10 Date Received: 04/08/25 08:05

Project/Site: Todd 36D State 002
Client Sample ID: BS25-02 1

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		04/09/25 10:08	04/11/25 17:00	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			04/09/25 10:08	04/11/25 17:00	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	1					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 17:00	1
Ethylbenzene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 17:00	1
Toluene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 17:00	1
Xylenes, Total	ND		0.098	mg/Kg		04/09/25 10:08	04/11/25 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			04/09/25 10:08	04/11/25 17:00	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]	380		19	mg/Kg		04/10/25 10:50	04/10/25 15:37	2
Motor Oil Range Organics [C28-C40]	380		96	mg/Kg		04/10/25 10:50	04/10/25 15:37	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			04/10/25 10:50	04/10/25 15:37	2
	Chromatograp	hy						
Method: EPA 300.0 - Anions, Ion								
Method: EPA 300.0 - Anions, Ion Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

Job ID: 885-22760-1

Lab Sample ID: 885-22760-3

.

Client Sample ID: BS25-03 1

Project/Site: Todd 36D State 002

Date Collected: 04/04/25 09:20 Date Received: 04/08/25 08:05

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		04/09/25 10:08	04/11/25 17:24	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			04/09/25 10:08	04/11/25 17:24	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 17:24	1
Ethylbenzene	ND		0.050	mg/Kg		04/09/25 10:08	04/11/25 17:24	1
Toluene	ND		0.050	mg/Kg		04/09/25 10:08	04/11/25 17:24	1
Xylenes, Total	ND		0.099	mg/Kg		04/09/25 10:08	04/11/25 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			04/09/25 10:08	04/11/25 17:24	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	66		9.2	mg/Kg		04/10/25 10:50	04/10/25 15:49	1
Motor Oil Range Organics [C28-C40]	73		46	mg/Kg		04/10/25 10:50	04/10/25 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	119		62 - 134			04/10/25 10:50	04/10/25 15:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		04/09/25 14:12	04/09/25 23:10	20

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Matrix: Solid

Job ID: 885-22760-1

Lab Sample ID: 885-22760-4

Project/Site: Todd 36D State 002

Client Sample ID: BS25-04 1 Date Collected: 04/04/25 09:30

Date Received: 04/08/25 08:05

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		04/09/25 10:08	04/11/25 17:47	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			04/09/25 10:08	04/11/25 17:47	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 17:47	1
Ethylbenzene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 17:47	1
Toluene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 17:47	1
Xylenes, Total	ND		0.098	mg/Kg		04/09/25 10:08	04/11/25 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			04/09/25 10:08	04/11/25 17:47	1
- Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160		18	mg/Kg		04/10/25 10:50	04/10/25 16:13	2
Motor Oil Range Organics [C28-C40]	140		92	mg/Kg		04/10/25 10:50	04/10/25 16:13	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	124		62 - 134			04/10/25 10:50	04/10/25 16:13	2
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
						Duran and		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-22760-1

Lab Sample ID: 885-22760-5 Matrix: Solid

Date Collected: 04/04/25 09:40 Date Received: 04/08/25 08:05

Project/Site: Todd 36D State 002
Client Sample ID: BS25-05 1

Client: Vertex

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		04/09/25 10:08	04/11/25 18:11	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			04/09/25 10:08	04/11/25 18:11	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 18:11	1
Ethylbenzene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 18:11	1
Toluene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 18:11	1
Xylenes, Total	ND		0.099	mg/Kg		04/09/25 10:08	04/11/25 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			04/09/25 10:08	04/11/25 18:11	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]	170		19	mg/Kg		04/10/25 10:50	04/10/25 16:25	2
Motor Oil Range Organics [C28-C40]	130		97	mg/Kg		04/10/25 10:50	04/10/25 16:25	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			04/10/25 10:50	04/10/25 16:25	2
Method: EPA 300.0 - Anions, Ion	Chromatograp	ony						
Method: EPA 300.0 - Anions, Ion Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

Job ID: 885-22760-1

Lab Sample ID: 885-22760-6

Client: Vertex Project/Site: Todd 36D State 002

Client Sample ID: WS25-03 0-1

Date Collected: 04/04/25 09:50 Date Received: 04/08/25 08:05

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		04/09/25 10:08	04/11/25 18:35	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			04/09/25 10:08	04/11/25 18:35	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 18:35	1
Ethylbenzene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 18:35	1
Toluene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 18:35	1
Xylenes, Total	ND		0.099	mg/Kg		04/09/25 10:08	04/11/25 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			04/09/25 10:08	04/11/25 18:35	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	55		9.3	mg/Kg		04/10/25 10:50	04/10/25 16:37	1
Motor Oil Range Organics [C28-C40]	59		46	mg/Kg		04/10/25 10:50	04/10/25 16:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	114		62 - 134			04/10/25 10:50	04/10/25 16:37	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		04/09/25 14:12	04/10/25 00:21	20

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Job ID: 885-22760-1

Lab Sample ID: 885-22760-7

85-22760-7 Matrix: Solid

Date	Collected:	04/04/25 10:00	
Date	Received:	04/08/25 08:05	

Project/Site: Todd 36D State 002

Client Sample ID: WS25-06 0-3

Client: Vertex

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		04/09/25 10:08	04/11/25 19:46	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			04/09/25 10:08	04/11/25 19:46	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	1					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 19:46	1
Ethylbenzene	ND		0.050	mg/Kg		04/09/25 10:08	04/11/25 19:46	1
Toluene	ND		0.050	mg/Kg		04/09/25 10:08	04/11/25 19:46	1
Xylenes, Total	ND		0.099	mg/Kg		04/09/25 10:08	04/11/25 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			04/09/25 10:08	04/11/25 19:46	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		9.2	mg/Kg		04/10/25 10:50	04/10/25 16:49	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		04/10/25 10:50	04/10/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	113		62 - 134			04/10/25 10:50	04/10/25 16:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Job ID: 885-22760-1

Lab Sample ID: 885-22760-8 Matrix: Solid

Date Collected: 04/04/25 10:10 Date Received: 04/08/25 08:05

Project/Site: Todd 36D State 002
Client Sample ID: SS 25-01

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		04/09/25 10:08	04/11/25 20:10	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			04/09/25 10:08	04/11/25 20:10	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	1					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 20:10	1
Ethylbenzene	ND		0.050	mg/Kg		04/09/25 10:08	04/11/25 20:10	1
Toluene	ND		0.050	mg/Kg		04/09/25 10:08	04/11/25 20:10	1
Xylenes, Total	ND		0.099	mg/Kg		04/09/25 10:08	04/11/25 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			04/09/25 10:08	04/11/25 20:10	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]	22		9.9	mg/Kg		04/10/25 10:50	04/10/25 17:01	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/10/25 10:50	04/10/25 17:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	119		62 - 134			04/10/25 10:50	04/10/25 17:01	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		60	mg/Kg		04/10/25 09:45	04/10/25 13:04	20

Job ID: 885-22760-1

Lab Sample ID: 885-22760-9 Matrix: Solid

Date Collected: 04/04/25 10:20 Date Received: 04/08/25 08:05

Project/Site: Todd 36D State 002
Client Sample ID: SS 25-02

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		04/09/25 10:08	04/11/25 20:34	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			04/09/25 10:08	04/11/25 20:34	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/09/25 10:08	04/11/25 20:34	1
Ethylbenzene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 20:34	1
Toluene	ND		0.049	mg/Kg		04/09/25 10:08	04/11/25 20:34	1
Xylenes, Total	ND		0.098	mg/Kg		04/09/25 10:08	04/11/25 20:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			04/09/25 10:08	04/11/25 20:34	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		04/10/25 10:50	04/10/25 17:13	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/10/25 10:50	04/10/25 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			04/10/25 10:50	04/10/25 17:13	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-22760-1

Client: Vertex Project/Site: Todd 36D State 002

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

Lab Sample ID: MB 885-2391	0/1-A							Client Sa	ample ID: Metho	d Blank
Matrix: Solid									Prep Type:	Total/NA
Analysis Batch: 24123									Prep Batcl	
-	MB	MB								
Analyte	Result	Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		_	04/09/25 10:07	04/11/25 13:25	1
	МВ	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		35 - 166					04/09/25 10:07	04/11/25 13:25	1
Lab Sample ID: LCS 885-239	10/2-A						C	lient Sample	ID: Lab Control	Sample
Matrix: Solid									Prep Type: [•]	
Analysis Batch: 24123									Prep Batcl	
-			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits	
Gasoline Range Organics			25.0	30.7		mg/Kg		123	70 - 130	
(GRO)-C6-C10										
	LCS LCS	;								
Surrogate	%Recovery Qua	lifier	Limits							
4-Bromofluorobenzene (Surr)	236		35 - 166							
	Organic Compo	ounds (C	SC)							
lethod: 8021B - Volatile	organic compt	(
			,					Client Sa	ample ID: Metho	d Blank
Lab Sample ID: MB 885-2391								Client Sa	ample ID: Metho Prep Type: ⁻	
Lab Sample ID: MB 885-2391 Matrix: Solid		<u> </u>						Client Sa		Total/NA
Lab Sample ID: MB 885-2391 Matrix: Solid	0/1-A	мв						Client S	Prep Type:	Total/NA
Lab Sample ID: MB 885-2391 Matrix: Solid Analysis Batch: 24124	0/1-А МВ		RL		Unit		D	Client Sa Prepared	Prep Type:	Fotal/N / n: 2391(
Lab Sample ID: MB 885-2391 Matrix: Solid Analysis Batch: 24124 ^{Analyte}	0/1-А МВ	МВ			<mark>Unit</mark> mg/Kg	1	<u>D</u>		Prep Type: Prep Batcl	Total/NA n: 2391(
Lab Sample ID: MB 885-2391 Matrix: Solid Analysis Batch: 24124 Analyte Benzene	0/1-A MB Result	МВ	RL				<u>D</u>	Prepared	Prep Type: Prep Batcl Analyzed	Fotal/NA n: 23910
Lab Sample ID: MB 885-2391 Matrix: Solid Analysis Batch: 24124 Analyte Benzene Ethylbenzene	10/1-A MB Result ND	МВ			mg/Kg	I	D	Prepared 04/09/25 10:07	Prep Type: Prep Batcl Analyzed 04/11/25 13:25	Total/N/ n: 2391(
Lab Sample ID: MB 885-2391 Matrix: Solid Analysis Batch: 24124 Analyte Benzene Ethylbenzene Toluene	10/1-A MB Result ND ND	МВ			mg/Kg mg/Kg	1	<u>D</u>	Prepared 04/09/25 10:07 04/09/25 10:07	Prep Type: Prep Batcl 04/11/25 13:25 04/11/25 13:25	Total/NA
Analysis Batch: 24124 Analysis Batch: 24124 Analysis Batch: 24124 Analysis Batch: 24124 Analyte Benzene Ethylbenzene Toluene Xylenes, Total	IO/1-A MB Result ND ND ND	МВ	RL 0.025 0.050 0.050		mg/Kg mg/Kg mg/Kg	1	<u>D</u>	Prepared 04/09/25 10:07 04/09/25 10:07 04/09/25 10:07	Prep Type: Prep Batcl 04/11/25 13:25 04/11/25 13:25 04/11/25 13:25	Fotal/NA n: 23910 Dil Fac 1 1 1

Lab Sample ID: LCS 885-23910/3-A

Matrix: Solid Analysis Batch: 24124

4-Bromofluorobenzene (Surr)

Analysis Daton. 24124						т тер Бе	
	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Unit	: D	%Rec	Limits	
Benzene	1.00	1.07	mg/ł	<g< td=""><td>107</td><td>70 - 130</td><td></td></g<>	107	70 - 130	
Ethylbenzene	1.00	1.10	mg/ł	۲g	110	70 - 130	
m-Xylene & p-Xylene	2.00	2.30	mg/ł	۲g	115	70 - 130	
o-Xylene	1.00	1.12	mg/ł	<g< td=""><td>112</td><td>70 - 130</td><td></td></g<>	112	70 - 130	
Toluene	1.00	1.09	mg/ł	۲g	109	70 - 130	
	LCS LCS						

48 - 145

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 115

48 - 145

111

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 23910

04/09/25 10:07 04/11/25 13:25

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1

Lab Sample ID: MB 885-24003/1-A

Matrix: Solid

Analyte

Surrogate

Matrix: Solid

Analysis Batch: 23979

Di-n-octyl phthalate (Surr)

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C28-C40]

QC Sample Results

RL

10

50

Limits

Spike

62 - 134

Unit

mg/Kg

mg/Kg

Unit

mg/Kg

LCS LCS

40.6

Result Qualifier

D

Prepared

04/10/25 10:50

04/10/25 10:50

Prepared

04/10/25 10:50

81

D

Client: Vertex Project/Site: Todd 36D State 002

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

MB MB Result Qualifier

MB MB

Qualifier

ND

ND

110

%Recovery

Prep Type: Total/NA

Prep Batch: 24003

Dil Fac

1

Client Sample ID: Method Blank

Analyzed

04/10/25 14:01

5 6

04/10/25 14:01	1			
Analyzed	Dil Fac			
04/10/25 14:01	1			
D: Lab Control	Sample			
Prep Type: Total/NA				

Client Sample ID: Lab Control Sample	
Prep Type: Total/NA	
Prep Batch: 24003	
% Baa	

	Prep Batch: 24003
	%Rec
%Rec	Limits

60 - 135

Lab Sample ID: LCS 885-24003/2-A

Analyte			Added
Diesel Range Organics			50.0
[C10-C28]			
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	76		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-23901/1-A										Client Sa	ample ID: Metho	
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 23904											Prep Batc	h: <mark>2390</mark> 1
	MB	MB										
Analyte	Result	Qualifier		RL		Unit		D	Ρ	repared	Analyzed	Dil Fac
Chloride	ND			1.5		mg/Kg	9	_	04/09	9/25 09:07	04/09/25 17:16	1
Lab Sample ID: LCS 885-23901/2-A								С	lient	Sample	ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 23904											Prep Batcl	h: 23901
			Spike		LCS	LCS					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	
Chloride			15.0		14.9		mg/Kg			99	90 - 110	
Lab Sample ID: MB 885-23989/1-A										Client Sa	ample ID: Metho	od Blank
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 24001											Prep Batcl	h: 23989
	MB	МВ										
Analyte	Result	Qualifier		RL		Unit		D	P	repared	Analyzed	Dil Fac
Chloride	ND			1.5		mg/Kg)	_	04/10	0/25 09:45	04/10/25 11:36	1
Lab Sample ID: LCS 885-23989/3-A								С	lient	Sample	ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 24001											Prep Batc	h: 23989
			Spike		LCS	LCS					%Rec	
			Added		Deput	Qualifier	Unit		D	%Rec	Limits	
Analyte			Added		Result	Quaimer	Unit		U	%Rec	Linnis	

Released to Imaging: 6/26/2025 1:28:41 PM

QC Sample Results

Client: Vertex Project/Site: Todd 36D State 002 Job ID: 885-22760-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 885-23989/2-A Matrix: Solid Analysis Batch: 24001	Spike	LLCS	LLCS		Client	Sample	e ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 23989 %Rec	4 5
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
Chloride	1.50	1.55		mg/Kg		103	50 - 150	6
								7
								8
								9

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QC Association Summary

Client: Vertex Project/Site: Todd 36D State 002

Prep Batch: 23910

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	5030C	
885-22760-2	BS25-02 1	Total/NA	Solid	5030C	
885-22760-3	BS25-03 1	Total/NA	Solid	5030C	
885-22760-4	BS25-04 1	Total/NA	Solid	5030C	
885-22760-5	BS25-05 1	Total/NA	Solid	5030C	
885-22760-6	WS25-03 0-1	Total/NA	Solid	5030C	
885-22760-7	WS25-06 0-3	Total/NA	Solid	5030C	
885-22760-8	SS 25-01	Total/NA	Solid	5030C	
885-22760-9	SS 25-02	Total/NA	Solid	5030C	
MB 885-23910/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-23910/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-23910/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 24123

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	8015M/D	23910
885-22760-2	BS25-02 1	Total/NA	Solid	8015M/D	23910
885-22760-3	BS25-03 1	Total/NA	Solid	8015M/D	23910
885-22760-4	BS25-04 1	Total/NA	Solid	8015M/D	23910
885-22760-5	BS25-05 1	Total/NA	Solid	8015M/D	23910
885-22760-6	WS25-03 0-1	Total/NA	Solid	8015M/D	23910
885-22760-7	WS25-06 0-3	Total/NA	Solid	8015M/D	23910
885-22760-8	SS 25-01	Total/NA	Solid	8015M/D	23910
885-22760-9	SS 25-02	Total/NA	Solid	8015M/D	23910
MB 885-23910/1-A	Method Blank	Total/NA	Solid	8015M/D	23910
LCS 885-23910/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23910

Analysis Batch: 24124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	8021B	23910
885-22760-2	BS25-02 1	Total/NA	Solid	8021B	23910
885-22760-3	BS25-03 1	Total/NA	Solid	8021B	23910
885-22760-4	BS25-04 1	Total/NA	Solid	8021B	23910
885-22760-5	BS25-05 1	Total/NA	Solid	8021B	23910
885-22760-6	WS25-03 0-1	Total/NA	Solid	8021B	23910
885-22760-7	WS25-06 0-3	Total/NA	Solid	8021B	23910
885-22760-8	SS 25-01	Total/NA	Solid	8021B	23910
885-22760-9	SS 25-02	Total/NA	Solid	8021B	23910
MB 885-23910/1-A	Method Blank	Total/NA	Solid	8021B	23910
LCS 885-23910/3-A	Lab Control Sample	Total/NA	Solid	8021B	23910

GC Semi VOA

Analysis Batch: 23979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	8015M/D	24003
885-22760-2	BS25-02 1	Total/NA	Solid	8015M/D	24003
885-22760-3	BS25-03 1	Total/NA	Solid	8015M/D	24003
885-22760-4	BS25-04 1	Total/NA	Solid	8015M/D	24003
885-22760-5	BS25-05 1	Total/NA	Solid	8015M/D	24003
885-22760-6	WS25-03 0-1	Total/NA	Solid	8015M/D	24003

Eurofins Albuquerque

Job ID: 885-22760-1

QC Association Summary

Client: Vertex Project/Site: Todd 36D State 002

GC Semi VOA (Continued)

Analysis Batch: 23979 (Continued)

SS 25-01

SS 25-02

Method Blank

Lab Control Sample

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22760-7	WS25-06 0-3	Total/NA	Solid	8015M/D	24003
885-22760-8	SS 25-01	Total/NA	Solid	8015M/D	24003
885-22760-9	SS 25-02	Total/NA	Solid	8015M/D	24003
MB 885-24003/1-A	Method Blank	Total/NA	Solid	8015M/D	24003
LCS 885-24003/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24003
Prep Batch: 24003	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	SHAKE	
885-22760-2	BS25-02 1	Total/NA	Solid	SHAKE	
885-22760-3	BS25-03 1	Total/NA	Solid	SHAKE	
885-22760-4	BS25-04 1	Total/NA	Solid	SHAKE	
885-22760-5	BS25-05 1	Total/NA	Solid	SHAKE	
885-22760-6	WS25-03 0-1	Total/NA	Solid	SHAKE	
885-22760-7	WS25-06 0-3	Total/NA	Solid	SHAKE	

Total/NA

Total/NA

Total/NA

Total/NA

Solid

Solid

Solid

Solid

HPLC/IC

885-22760-8

885-22760-9

Prep Batch: 23901

MB 885-24003/1-A

LCS 885-24003/2-A

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	300_Prep	
885-22760-2	BS25-02 1	Total/NA	Solid	300_Prep	
885-22760-3	BS25-03 1	Total/NA	Solid	300_Prep	
885-22760-4	BS25-04 1	Total/NA	Solid	300_Prep	
885-22760-5	BS25-05 1	Total/NA	Solid	300_Prep	
885-22760-6	WS25-03 0-1	Total/NA	Solid	300_Prep	
885-22760-7	WS25-06 0-3	Total/NA	Solid	300_Prep	
MB 885-23901/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-23901/2-A	Lab Control Sample	Total/NA	Solid	300 Prep	

Analysis Batch: 23904

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22760-1	BS25-01 1	Total/NA	Solid	300.0	23901
885-22760-2	BS25-02 1	Total/NA	Solid	300.0	23901
885-22760-3	BS25-03 1	Total/NA	Solid	300.0	23901
885-22760-4	BS25-04 1	Total/NA	Solid	300.0	23901
885-22760-5	BS25-05 1	Total/NA	Solid	300.0	23901
885-22760-6	WS25-03 0-1	Total/NA	Solid	300.0	23901
885-22760-7	WS25-06 0-3	Total/NA	Solid	300.0	23901
MB 885-23901/1-A	Method Blank	Total/NA	Solid	300.0	23901
LCS 885-23901/2-A	Lab Control Sample	Total/NA	Solid	300.0	23901

Prep Batch: 23989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22760-8	SS 25-01	Total/NA	Solid	300_Prep	
885-22760-9	SS 25-02	Total/NA	Solid	300_Prep	
MB 885-23989/1-A	Method Blank	Total/NA	Solid	300_Prep	

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Job ID: 885-22760-1

SHAKE

SHAKE

SHAKE

SHAKE

QC Association Summary

Client: Vertex Project/Site: Todd 36D State 002

HPLC/IC (Continued)

Prep Batch: 23989 (Continued)

Lab Sample ID LCS 885-23989/3-A LLCS 885-23989/2-A	Client Sample ID Lab Control Sample Lab Control Sample	Prep Type Total/NA Total/NA	Matrix Solid Solid	Method 300_Prep 300_Prep	Prep Batch
Analysis Batch: 24001					
Lab Sample ID 885-22760-8	Client Sample ID SS 25-01	Prep Type Total/NA	Matrix Solid	Method 300.0	Prep Batch 23989

885-22760-9	SS 25-02	Total/NA	Solid
MB 885-23989/1-A	Method Blank	Total/NA	Solid
LCS 885-23989/3-A	Lab Control Sample	Total/NA	Solid
LLCS 885-23989/2-A	Lab Control Sample	Total/NA	Solid

Job ID: 885-22760-1

300.0

300.0

300.0

300.0

5

7

23989

23989

23989

23989

Matrix: Solid

Job ID: 885-22760-1

Lab Sample ID: 885-22760-1

Client Sample ID: BS25-01 1

Project/Site: Todd 36D State 002

Date Collected: 04/04/25 09:00 Date Received: 04/08/25 08:05

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EETALB	04/11/25 16:36
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EET ALB	04/11/25 16:36
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		1	23979	MI	EET ALB	04/10/25 15:25
Total/NA	Prep	300_Prep			23901	DL	EETALB	04/09/25 14:12
Total/NA	Analysis	300.0		20	23904	RC	EET ALB	04/09/25 22:42

Client Sample ID: BS25-02 1

Date Collected: 04/04/25 09:10 Date Received: 04/08/25 08:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EET ALB	04/11/25 17:00
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EETALB	04/11/25 17:00
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		2	23979	MI	EET ALB	04/10/25 15:37
Total/NA	Prep	300_Prep			23901	DL	EETALB	04/09/25 14:12
Total/NA	Analysis	300.0		20	23904	RC	EET ALB	04/09/25 22:56

Client Sample ID: BS25-03 1

Date Collected: 04/04/25 09:20 Date Received: 04/08/25 08:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EET ALB	04/11/25 17:24
Total/NA	Prep	5030C			23910	JP	EETALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EET ALB	04/11/25 17:24
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		1	23979	MI	EET ALB	04/10/25 15:49
Total/NA	Prep	300_Prep			23901	DL	EETALB	04/09/25 14:12
Total/NA	Analysis	300.0		20	23904	RC	EET ALB	04/09/25 23:10

Client Sample ID: BS25-04 1 Date Collected: 04/04/25 09:30 Date Received: 04/08/25 08:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EET ALB	04/11/25 17:47

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Lab Sample ID: 885-22760-2

Lab Sample ID: 885-22760-3

Lab Sample ID: 885-22760-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 885-22760-1

Lab Sample ID: 885-22760-4

Lab Sample ID: 885-22760-5

Matrix: Solid

Matrix: Solid

Date Collected: 04/04/25 09:30 Date Received: 04/08/25 08:05

Project/Site: Todd 36D State 002
Client Sample ID: BS25-04 1

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EET ALB	04/11/25 17:47
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		2	23979	MI	EET ALB	04/10/25 16:13
Total/NA	Prep	300_Prep			23901	DL	EET ALB	04/09/25 14:12
Total/NA	Analysis	300.0		20	23904	RC	EET ALB	04/09/25 23:24

Client Sample ID: BS25-05 1 Date Collected: 04/04/25 09:40

Date Received: 04/08/25 08:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EET ALB	04/11/25 18:11
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EET ALB	04/11/25 18:11
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		2	23979	MI	EET ALB	04/10/25 16:25
Total/NA	Prep	300_Prep			23901	DL	EET ALB	04/09/25 14:12
Total/NA	Analysis	300.0		20	23904	RC	EET ALB	04/09/25 23:38

Client Sample ID: WS25-03 0-1 Date Collected: 04/04/25 09:50 Date Received: 04/08/25 08:05

Batch Batch Dilution Prepared Batch Method Prep Type Туре Run Factor Number Analyst Lab or Analyzed Total/NA 5030C 23910 JP EET ALB 04/09/25 10:08 Prep Total/NA EET ALB 8015M/D 04/11/25 18:35 Analysis 1 24123 JP Total/NA 5030C EET ALB 04/09/25 10:08 Prep 23910 JP Total/NA 8021B 24124 JP EET ALB 04/11/25 18:35 Analysis 1 Total/NA SHAKE 24003 MI EET ALB 04/10/25 10:50 Prep Total/NA 8015M/D EET ALB 04/10/25 16:37 23979 MI Analysis 1 Total/NA 300 Prep 23901 DL EET ALB 04/09/25 14:12 Prep 04/10/25 00:21 Total/NA 300.0 20 23904 RC EET ALB Analysis

Client Sample ID: WS25-06 0-3

Date Collected: 04/04/25 10:00 Date Received: 04/08/25 08:05

Γ	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EET ALB	04/11/25 19:46
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EET ALB	04/11/25 19:46

9 1

8

5

Lab Sample ID: 885-22760-6

Lab Sample ID: 885-22760-7

Matrix: Solid

Eurofins Albuquerque

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-22760-7

Lab Sample ID: 885-22760-8

Client: Vertex Project/Site: Todd 36D State 002

Client Sample ID: WS25-06 0-3

Date Collected:	04/04/25 10:0	0
Date Received:	04/08/25 08:0	5

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		1	23979	MI	EET ALB	04/10/25 16:49
Total/NA	Prep	300_Prep			23901	DL	EET ALB	04/09/25 14:12
Total/NA	Analysis	300.0		20	23904	RC	EET ALB	04/10/25 00:35

Client Sample ID: SS 25-01

Date Collected: 04/04/25 10:10

|--|

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8015M/D		1	24123	JP	EET ALB	04/11/25 20:10
Total/NA	Prep	5030C			23910	JP	EET ALB	04/09/25 10:08
Total/NA	Analysis	8021B		1	24124	JP	EETALB	04/11/25 20:10
Total/NA	Prep	SHAKE			24003	MI	EET ALB	04/10/25 10:50
Total/NA	Analysis	8015M/D		1	23979	MI	EET ALB	04/10/25 17:01
Total/NA	Prep	300_Prep			23989	DL	EET ALB	04/10/25 09:45
Total/NA	Analysis	300.0		20	24001	DL	EET ALB	04/10/25 13:04

Client Sample ID: SS 25-02

Date Collected: 04/04/25 10:20 Date Received: 04/08/25 08:05

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 5030C 04/09/25 10:08 Total/NA Prep 23910 JP EET ALB Total/NA 8015M/D 24123 JP EET ALB 04/11/25 20:34 Analysis 1 Total/NA 5030C EET ALB 04/09/25 10:08 Prep 23910 JP EET ALB 04/11/25 20:34 Total/NA 8021B Analysis 1 24124 JP Total/NA SHAKE 24003 MI EET ALB 04/10/25 10:50 Prep Total/NA 04/10/25 17:13 8015M/D EET ALB Analysis 1 23979 MI Total/NA 300 Prep 23989 DL EET ALB 04/10/25 09:45 Prep EET ALB 04/10/25 16:31 Total/NA Analysis 300.0 20 24001 DL

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Lab Sample ID: 885-22760-9 Matrix: Solid

Accreditation/Certification Summary

Client: Vertex Project/Site: Todd 36D State 002

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

hority	Pro	gram	Identification Number	Expiration Date
/ Mexico	Stat	e	NM9425, NM0901	02-27-26
The following analytes	are included in this report,	but the laboratory is not certi	fied by the governing authority. This lis	t may include analyte
for which the agency	does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organics	(GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [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	
gon	NEL	AP	NM100001	02-26-26

Job ID: 885-22760-1

			ustody Record	1.1	n-Around Standard			БDa	N			E										114	63
(bill to Devon)		Proj	Project Name:																	8			
Mailing	Address	3/01	Bayd dr	X Standard X Rush 5 Days Project Name: Todd 36 D State # 00 2					4901 Hawkins NE - Albuquerque, NM 87109 885-22760 c								50.000						
8 (Carlsha	d N/	1,88Z20	Proj	ect #:					1			05-34							4107		00-2270	00000
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email o	or Fax#:			Proj	ect Mana	ager:	Sally	Cartte c. Ca	ar	=	0					SO4			nt)				Π
QAVQC	Package:			S(lartto	ar@	venter	c. Ca	1 - 1	802	MR	PCB's		MS		PO4, S			Abse				
Star	1		Level 4 (Full Validation)		J	sQ	vetex.	Ca, Kor	it Stallingi	TMB's (8021)	RO	2 PC		8270SIMS		PC ,			ent/A				
Accrec			mpliance		npler:	Kat	rina	Taylor		TM	010	Pesticides/8082	504.1)			NO ₂ ,		2	Coliform (Present/Absent)				
	D (Type)	Other		On #	Coolers:	YZ YE	es	□ No		E	GR CR C	des/	d 50	10 0	als	NO ₃ ,		VOA	m (P				
				A CONTRACTOR OF A			CF): 2.6	+0.2 5 2	. 8 (°C)	MTBE	5D(stici	etho	/ 83	Met	N.	(YO	(Semi-VOA)	lifor				
Date	Time	Matrix	Sample Name	10.00	tainer e and #		ervative	HEA	L No.	BTEX /	TPH:8015D(GRO / DRO / MRO)	8081 Pe	EDB (Method	PAHs by 8310 or	RCRA 8 Metals	CI, F, Br,	8260 (VOA)	8270 (Se	Total Co				
414	9:00	56:1	BS25-01 1		07	10		1		×	X					X							
1	9:10		BS25-02 1	1	1		1			1	1					1		1.7					
	9:20		BS25-03 I				1			11	1										+	+	
	9:30		B325-04 1							\square	\parallel						T i	1.1.1			1		\vdash
	9:40		BS25-05 1	1	1	1											T				+	+	
1	9:50		WS25-030-1					1		1					-		T I				+	+	
1	10:08		WS25-06 0-3		1										-						1		\vdash
4	10:10	L	2825-01	1	F		11				1					1					+		\vdash
a	10:20	V	SS25-02		5		5			V	V			-		1					+		
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				1			11														1	+	
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Date:	Time:	Relinquish	ed by:	Rece	ived by:	Via:		Date	Time	Rer	nark	s: (Plea	se	b	11	te	0	lev	on	-		<u> </u>
414	Spm	Thit	almy	a	Cum	um	ID	4/7/25	1000	A	TT	1:1		10	0	VIP	101		a,	V-L	-11	0	
Date:	Time:	Rélinquist	ed by: -	Rece	eived by:	Via	•	Date 4-8-25	Time 8:05	C		SC	art	no.	Te	ilar	-100,	Ver	tex	- Sto	illing	@ ve	Hex.(a

Job Number: 885-22760-1

List Source: Eurofins Albuquerque

Login Sample Receipt Checklist

Client: Vertex

Login Number: 22760 List Number: 1 Creator: Alderette, Joseph

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	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Received by OCD: 4/28/2025 2:01:17 PM



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220 Generated 4/22/2025 12:33:38 PM

JOB DESCRIPTION

Todd 36D State #002

JOB NUMBER

885-23045-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information

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

Authorized for release by

(505)345-3975

Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com

Generated 4/22/2025 12:33:38 PM

1 2 3 4 5 6 7 8 9 10 11

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Chain of Custody	22
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Definitions/Glossary

Client: Vertex Project/Site: Todd 36D State #002

Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Minimum Detectable Activity (Radiochemistry)

LOQ

MCL

MDA

MDC

MDL

MQL NC

ND

NEG

POS

PQL

QC

RER

RPD

TEF

TEQ

TNTC

RL

PRES

ML MPN Page 215 of 275

Job ID: 885-23045-1

Project/Site: 1	Fodd 36D State #002	
Qualifiers		3
GC Semi VO	Α	
Qualifier	Qualifier Description	4
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
F1	MS and/or MSD recovery exceeds control limits.	5
S1+	Surrogate recovery exceeds control limits, high biased.	
Glossary		6
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	0
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	9
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)	

Case Narrative

Job ID: 885-23045-1

Client: Vertex Project: Todd 36D State #002

Job ID: 885-23045-1

Eurofins Albuquerque

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Job Narrative 885-23045-1

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 4/11/2025 8:30 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 1.4°C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

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 laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 885-24238 and analytical batch 885-24267 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28]. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015D_DRO: Surrogate recovery for the following sample is outside the upper control limit: BS25-08 1' (885-23045-4). Despite this high bias, samples were discovered to be non-detect for target analytes; therefore data has been reported.

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
RL

4.6

RL

0.023

0.046

0.046

0.093

RL

20

100

Limits

Limits

62 - 134

48 - 145

Limits

35 - 166

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

mg/Kg

mg/Kg

D

D

D

Prepared

04/11/25 12:06

Prepared

Prepared

Prepared

Prepared

Prepared

Analyte

(GRO)-C6-C10

Surrogate

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surrogate

Analyte

Surrogate

Gasoline Range Organics

4-Bromofluorobenzene (Surr)

4-Bromofluorobenzene (Surr)

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C28-C40]

Client Sample ID: WS25-05 0-1' Date Collected: 04/08/25 09:00 Date Received: 04/11/25 08:30

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

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

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

Result Qualifier

Result Qualifier

Qualifier

ND

107

ND

ND

ND

ND

%Recovery Qualifier

Result Qualifier

Qualifier

ND *+

ND

%Recovery

103

%Recovery

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Job ID: 885-23045-1

Lab Sample ID: 885-23045-1

Analyzed

04/15/25 02:29

Analyzed

Analyzed

Analyzed

Analyzed

Analyzed

04/11/25 12:06 04/15/25 02:29

04/11/25 12:06 04/15/25 02:29

04/11/25 12:06 04/15/25 02:29

04/11/25 12:06 04/15/25 02:29

04/11/25 12:06 04/15/25 02:29

04/11/25 12:06 04/15/25 02:29

04/14/25 14:40 04/15/25 12:16

04/14/25 14:40 04/15/25 12:16

04/14/25 14:40 04/15/25 12:16

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

2

2

2

1

1

1

1

1

4
5
6
8
9

Eurofins Albuquerque

Di-n-octyl phthalate (Surr) 126 Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg	04/13/25 13:44	04/13/25 21:17	20

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Job ID: 885-23045-1

Lab Sample ID: 885-23045-2 Matrix: Solid

Date Received: 04/11/25 08:30

_

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/13/25 13:53	04/14/25 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			04/13/25 13:53	04/14/25 19:21	1
Method: SW846 8021B - Volati	ile Organic	Compound	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/13/25 13:53	04/14/25 19:21	1
Ethylbenzene	ND		0.050	mg/Kg		04/13/25 13:53	04/14/25 19:21	1
Toluene	ND		0.050	mg/Kg		04/13/25 13:53	04/14/25 19:21	1
Xylenes, Total	ND		0.10	mg/Kg		04/13/25 13:53	04/14/25 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			04/13/25 13:53	04/14/25 19:21	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]	54		9.9	mg/Kg		04/21/25 11:59	04/21/25 14:45	1
Motor Oil Range Organics [C28-C40]	130		50	mg/Kg		04/21/25 11:59	04/21/25 14:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	116		62 - 134			04/21/25 11:59	04/21/25 14:45	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Client Sample ID: BS25-07 1' Date Collected: 04/08/25 09:20

Date Received: 04/11/25 08:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		04/13/25 13:53	04/14/25 19:42	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			04/13/25 13:53	04/14/25 19:42	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		04/13/25 13:53	04/14/25 19:42	1
Ethylbenzene	ND		0.048	mg/Kg		04/13/25 13:53	04/14/25 19:42	1
Toluene	ND		0.048	mg/Kg		04/13/25 13:53	04/14/25 19:42	1
Xylenes, Total	ND		0.097	mg/Kg		04/13/25 13:53	04/14/25 19:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			04/13/25 13:53	04/14/25 19:42	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte				Unit mg/Kg	<u>D</u>	Prepared 04/14/25 14:40	Analyzed 04/15/25 13:04	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result	Qualifier	RL		<u>D</u>	04/14/25 14:40		Dil Fac 1 1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	Result ND	Qualifier *+	RL 9.4	mg/Kg	<u>D</u>	04/14/25 14:40	04/15/25 13:04	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] <i>Surrogate</i>	Result ND ND	Qualifier *+	RL 9.4 47	mg/Kg	<u>D</u>	04/14/25 14:40 04/14/25 14:40	04/15/25 13:04 04/15/25 13:04	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND %Recovery 133	Qualifier *+ Qualifier	RL 9.4 47 Limits	mg/Kg	<u>D</u>	04/14/25 14:40 04/14/25 14:40 Prepared	04/15/25 13:04 04/15/25 13:04 <i>Analyzed</i>	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, I Analyte	Result ND ND %Recovery 133	Qualifier *+ Qualifier	RL 9.4 47 Limits	mg/Kg	<u>D</u>	04/14/25 14:40 04/14/25 14:40 Prepared	04/15/25 13:04 04/15/25 13:04 <i>Analyzed</i>	1

5

Job ID: 885-23045-1

Matrix: Solid

Lab Sample ID: 885-23045-3

Client Sample ID: BS25-08 1' Date Collected: 04/08/25 09:30

Date Received: 04/11/25 08:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		04/13/25 13:53	04/14/25 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			04/13/25 13:53	04/14/25 20:04	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/13/25 13:53	04/14/25 20:04	1
Ethylbenzene	ND		0.047	mg/Kg		04/13/25 13:53	04/14/25 20:04	1
Toluene	ND		0.047	mg/Kg		04/13/25 13:53	04/14/25 20:04	1
Xylenes, Total	ND		0.093	mg/Kg		04/13/25 13:53	04/14/25 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			04/13/25 13:53	04/14/25 20:04	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		04/14/25 14:40	04/15/25 13:16	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/14/25 14:40	04/15/25 13:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	167	S1+	62 - 134			04/14/25 14:40	04/15/25 13:16	1
Method: EPA 300.0 - Anions, I	on Chromat	tography						
	D 14	Ovellfier	ы	11	_	Duenenal	A so a lo ser a al	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Job ID: 885-23045-1

Lab Sample ID: 885-23045-4 Matrix: Solid

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Client Sample ID: BS25-09 1' Date Collected: 04/08/25 09:40

Date Received: 04/11/25 08:30

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	ND		4.8	mg/Kg		04/13/25 13:53	04/14/25 20:26	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			04/13/25 13:53	04/14/25 20:26	1
- Method: SW846 8021B - Volati	le Organic	Compound	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/13/25 13:53	04/14/25 20:26	1
Ethylbenzene	ND		0.048	mg/Kg		04/13/25 13:53	04/14/25 20:26	1
Toluene	ND		0.048	mg/Kg		04/13/25 13:53	04/14/25 20:26	1
Xylenes, Total	ND		0.096	mg/Kg		04/13/25 13:53	04/14/25 20:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			04/13/25 13:53	04/14/25 20:26	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]	190		9.8	mg/Kg		04/21/25 11:59	04/21/25 14:57	1
Motor Oil Range Organics [C28-C40]	180		49	mg/Kg		04/21/25 11:59	04/21/25 14:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	112		62 - 134			04/21/25 11:59	04/21/25 14:57	1
Method: EPA 300.0 - Anions, I	on Chromat	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-23045-1

222 12: 000 200 10

Lab Sample ID: 885-23045-5 Matrix: Solid

Eurofins Albuquerque

045-1 045-5 Solid

5

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Released to Imaging: 6/26/2025 1:28:41 PM

Client: Vertex Project/Site: Todd 36D State #002

Client Sample ID: WS25-02 0-1' Date Collected: 04/08/25 10:10 Date Received: 04/11/25 08:30

Eurofins /	Albuquerque
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Job ID: 885-23045-1

Lab Sample ID: 885-23045-6 Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC) Result Qualifier Unit D Dil Fac Analyte RL Prepared Analyzed ND 4.8 mg/Kg 04/13/25 13:53 04/14/25 20:47 Gasoline Range Organics (GRO)-C6-C10 Qualifier Surrogate Limits Prepared Dil Fac %Recovery Analyzed 35 - 166 04/13/25 13:53 04/14/25 20:47 4-Bromofluorobenzene (Surr) 102 Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Benzene ND 0.024 mg/Kg 04/13/25 13:53 04/14/25 20:47 1 Ethylbenzene ND 0.048 mg/Kg 04/13/25 13:53 04/14/25 20:47 1 Toluene ND 0.048 mg/Kg 04/13/25 13:53 04/14/25 20:47 1 04/13/25 13:53 04/14/25 20:47 Xylenes, Total ND 0.096 mg/Kg 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 99 48 - 145 04/13/25 13:53 04/14/25 20:47 Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) **Result Qualifier** Analyte RL Unit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND *+ 19 04/14/25 14:40 04/15/25 13:40 mg/Kg 2 ND 93 Motor Oil Range Organics [C28-C40] mg/Kg 04/14/25 14:40 04/15/25 13:40 2 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Di-n-octyl phthalate (Surr) 127 62 - 134 04/14/25 14:40 04/15/25 13:40 2 Method: EPA 300.0 - Anions, Ion Chromatography Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Chloride 97 60 mg/Kg 04/14/25 13:56 04/15/25 00:43 20

QC Sample Results

Client: Vertex Project/Site: Todd 36D State #002 Page 223 of 275

Job ID: 885-23045-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) Lab Sample ID: MB 885-24119/1-A

Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24236		МР						Clie	ent Samp	ole ID: Metho Prep Type: T Prep Batch	otal/NA
A starts da		MB					_	_		• · · · · · · · · · · · · · · · · · · ·	D'I 5.
Analyte		Qualifier	RL		<u>Unit</u>		D		repared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/K	.g		04/1	1/25 12:06	04/14/25 16:34	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166					04/1	1/25 12:06	04/14/25 16:34	1
Lab Sample ID: LCS 885-2	24119/2-A					Cli	ient	t Sar	nple ID:	Lab Control	Sample
Matrix: Solid										Prep Type: T	
Analysis Batch: 24236										Prep Batch	
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Gasoline Range Organics			25.0	30.4		mg/Kg			122	70 - 130	
(GRO)-C6-C10											
	LCS LCS	:									
Surrogate	%Recovery Qua		Limits								
4-Bromofluorobenzene (Surr)	222		35 - 166								
								0 11			
Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24205		МВ						Clie	ent Samp	ole ID: Metho Prep Type: T Prep Batch	otal/NA
Matrix: Solid	МВ	MB Qualifier	RL		Unit		D		ent Samp repared	Prep Type: T	otal/NA
Matrix: Solid Analysis Batch: 24205	МВ				Unit mg/K	<u>.</u> g	D	P	repared	Prep Type: T Prep Batch	otal/NA : 24167
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics	MB Result	Qualifier				g	D	P	repared	Prep Type: T Prep Batch Analyzed	otal/NA 24167 Dil Fac
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics	MB Result ND	Qualifier MB				g	D	P 04/1	repared	Prep Type: T Prep Batch Analyzed 04/14/25 13:31	otal/NA 24167 Dil Fac
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10	MB Result ND MB	Qualifier MB	5.0			g	D	P 04/1 P	repared 3/25 13:53 repared	Prep Type: T Prep Batch Analyzed	Total/NA 1: 24167 Dil Fac 1
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10 Surrogate	MB Result ND <i>MB</i> %Recovery 104	Qualifier MB	5.0 		mg/K	-		P1 04/1 P1 04/1	repared 3/25 13:53 repared 3/25 13:53	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 Analyzed 04/14/25 13:31 Lab Control Prep Type: T Prep Batch	Total/NA 24167 Dil Fac 1 Dil Fac 1 Sample Total/NA
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10 Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24205	MB Result ND <i>MB</i> %Recovery 104	Qualifier MB	<u>Limits</u> 35 - 166	_	LCS	Cli		P 04/1 04/1	repared 3/25 13:53 repared 3/25 13:53 mple ID:	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 Analyzed 04/14/25 13:31 Lab Control Prep Type: T Prep Batch %Rec	Total/NA 24167 Dil Fac 1 Dil Fac 1 Sample Total/NA
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10 Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24205 Analyte	MB Result ND <i>MB</i> %Recovery 104	Qualifier MB	5.0 <u>Limits</u> 35 - 166 Spike Added	Result	mg/K	Cli		P1 04/1 P1 04/1	repared 3/25 13:53 repared 3/25 13:53 mple ID: %Rec	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 Analyzed 04/14/25 13:31 Lab Control Prep Type: T Prep Batch %Rec Limits	Total/NA 24167 Dil Fac 1 Dil Fac 1 Sample Total/NA
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10 Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24205	MB Result ND <i>MB</i> %Recovery 104	Qualifier MB	<u>Limits</u> 35 - 166	_	LCS	Cli		P 04/1 04/1	repared 3/25 13:53 repared 3/25 13:53 mple ID:	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 Analyzed 04/14/25 13:31 Lab Control Prep Type: T Prep Batch %Rec	Total/NA 24167 Dil Fac 1 Dil Fac 1 Sample Total/NA
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10 Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics	MB Result ND <i>MB</i> %Recovery 104	Qualifier MB Qualifier	5.0 <u>Limits</u> 35 - 166 Spike Added	Result	LCS	Cli		P 04/1 04/1	repared 3/25 13:53 repared 3/25 13:53 mple ID: %Rec	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 Analyzed 04/14/25 13:31 Lab Control Prep Type: T Prep Batch %Rec Limits	Total/NA 24167 Dil Fac 1 Dil Fac 1 Sample Total/NA
Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics (GRO)-C6-C10 Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24205 Analyte Gasoline Range Organics	MB Result ND <i>MB</i> %Recovery 104 24167/2-A	Qualifier MB Qualifier	5.0 <u>Limits</u> 35 - 166 Spike Added	Result	LCS	Cli		P 04/1 04/1	repared 3/25 13:53 repared 3/25 13:53 mple ID: %Rec	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 Analyzed 04/14/25 13:31 Lab Control Prep Type: T Prep Batch %Rec Limits	Total/NA 24167 Dil Fac 1 Dil Fac 1 Sample Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24235						· · · · · · · · · · · · · · · · · · ·	le ID: Method Prep Type: To Prep Batch	otal/NA
	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Ethylbenzene	ND		0.050	mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Toluene	ND		0.050	mg/Kg		04/11/25 12:06	04/14/25 16:34	1

Eurofins Albuquerque

Released to Imaging: 6/26/2025 1:28:41 PM

4/22/2025

C Sample Poculte

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oloot/Sito, Todd 3611 Steres										
roject/Site: Todd 36D State										
ethod: 8021B - Volati	le Organic	Сс	ompou	nds (GC)	(Cont	nued)				
Lab Sample ID: MB 885-24	¥119/1-A							Client San	nple ID: Metho	
Matrix: Solid									Prep Type: T	
Analysis Batch: 24235									Prep Batch	i: 24119
		MB								
Analyte			Qualifier			Unit	<u>C</u>		Analyzed	Dil Fac
(ylenes, Total	٦	ND		0.10)	mg/K	g	04/11/25 12:0	06 04/14/25 16:34	1
	Л	ΜВ	MB							
Surrogate	%Recove	ery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	1	106		48 - 145	_			04/11/25 12:0	06 04/14/25 16:34	1
Lab Sample ID: LCS 885-2	24119/3-A						Clier	nt Sample ID	: Lab Control	Sample
Matrix: Solid									Prep Type: T	
Analysis Batch: 24235									Prep Batch	
				Spike	LCS	LCS			%Rec	
Analyte				Added	Result	Qualifier	Unit	D %Rec	Limits	
Benzene				1.00	1.07		mg/Kg	107	70 - 130	
Ethylbenzene				1.00	1.08		mg/Kg	108	70 - 130	
n-Xylene & p-Xylene				2.00	2.29		mg/Kg	115	70 - 130	
o-Xylene				1.00	1.11		mg/Kg	111	70 - 130	
Toluene				1.00	1.07		mg/Kg	107	70 - 130	
	LCS I									
Surrogate	%Recovery (^	1.6.							
-Bromofluorobenzene (Surr)		uua.		<i>Limits</i> 48 - 145				Client Sar	nple ID: Metho	d Blank
I-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24		ua.	<u>IIIIer _</u>					Client Sar	nple ID: Metho Prep Type: T	
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid	110 4167/1-A							Client Sar	-	otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206	<u>110</u> 4167/1-A	МВ	MB	48 - 145					Prep Type: T Prep Batch	otal/NA : 24167
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte	110 4167/1-A N Res	MB		48 - 145 RI		Unit		Prepared	Prep Type: T Prep Batch Analyzed	otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene	110 4167/1-A 	MB sult	MB	48 - 145 	5	mg/K	g	Prepared 04/13/25 13:	Prep Type: T Prep Batch 63 04/14/25 13:31	otal/NA : 24167
<i>I-Bromofluorobenzene (Surr)</i> Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene	110 4167/1-A 	MB sult ND	MB	48 - 145 	5 D	mg/K mg/K	g g	Prepared 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 03 04/14/25 13:31	otal/NA : 24167
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene	110 4167/1-A Res	MB sult ND ND	MB	48 - 145 RI 0.025 0.050 0.050	5 D D	mg/K mg/K mg/K	g g	 Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 	Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31	otal/NA : 24167
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene	110 4167/1-A Res	MB sult ND ND ND	MB Qualifier	48 - 145 	5 D D	mg/K mg/K	g g	 Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 	Analyzed 04/14/25 13:31 03 04/14/25 13:31	Dil Fac 1 1 1
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total	110 4167/1-A M Res	MB sult ND ND ND ND	MB Qualifier MB	48 - 145 48 - 145 0.025 0.056 0.056 0.10	5 D D	mg/K mg/K mg/K	g g	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31	Dil Fac 1 1 1 1 1 1
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total	110 4167/1-A Res 110 Res 110 110 110 110 110 110 110 110 110 11	MB sult ND ND ND ND	MB Qualifier	48 - 145 RI 0.025 0.050 0.050	5	mg/K mg/K mg/K	g g	 Prepared 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 	Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31	Dil Fac 1 1 1
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr)	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145 48 - 145 0.025 0.050 0.10 Limits	5	mg/K mg/K mg/K	a a a a	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145 48 - 145 0.025 0.050 0.10 Limits	5	mg/K mg/K mg/K	a a a a	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 Analyzed 04/14/25 13:31 Characteristics of the second	Dil Fac 1 1 1 1 1 1 1 1 Sample
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145 48 - 145 0.025 0.050 0.10 Limits	5	mg/K mg/K mg/K	a a a a	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 053 04/14/25 13:31 053 04/14/25 13:31 05 06/14/25 13:31 05 05 05 05 05 05 06 07 07 08 09 09 01 02 03 04/14/25 04/14/25 04/14/25 04/14/25 05 06 07 08 09 09 09 010 </td <td>Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA</td>	Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	5 0 0 0	mg/K mg/K mg/K	a a a a	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01 04/14/25 13:31 02 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31	Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	5 0 0 0 0 0 0	mg/K mg/K mg/K mg/K	g g g Clier	 Prepared 04/13/25 13:3 04/13/25 13:3 04/13/25 13:3 04/13/25 13:3 04/13/25 13:3 Prepared 04/13/25 13:3 	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 Analyzed 04/14/25 13:31 Charles Control S Prep Type: T Prep Batch %Rec	Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total Surrogate Analyte H-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analyte	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	LCS Result	mg/K mg/K mg/K	g g g Clier Unit	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01/14/25 13:31 02 03 04/14/25 13:31 04/14/25 13:31 01 02 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 02 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 05 06 07 08 09 09 04/14/25 101 102 103 104 104 105 105 <t< td=""><td>Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA</td></t<>	Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analyte Benzene	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	5 0 0 0 0 0 0	mg/K mg/K mg/K mg/K	g g g Clier	 Prepared 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: D %Rec 	Prep Type: T Prep Batch Analyzed 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 Analyzed 04/14/25 13:31 CLab Control S Prep Type: T Prep Batch %Rec Limits	Dil Fac 1 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 51	mg/K mg/K mg/K mg/K	g g g Clier <u>Unit</u> mg/Kg	Prepared 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13::	Analyzed 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:3	Dil Fac 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Foluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene n-Xylene & p-Xylene	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	LCS Result 0.951 0.988	mg/K mg/K mg/K mg/K	g g g g Clier <u>Unit</u> mg/Kg mg/Kg	Prepared 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13:: 04/13/25 13::	Analyzed 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01/14/25 13:31 02 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01/14/25 13:31 02 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 05/14/14/25 04/14/25 05/14/14/25 05/14/14/14/14/14/14/14/14 05/14/14/14/14 05/14/14/1	Dil Fac 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analysis Batch: 24206 Analyte Benzene Ethylbenzene m-Xylene & p-Xylene D-Xylene	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND ND ND MB ery	MB Qualifier MB	48 - 145	LCS Result 0.951 0.988 2.02	mg/K mg/K mg/K mg/K	g g g g Clier <u>Unit</u> mg/Kg mg/Kg mg/Kg	Prepared 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13: 04/13/25 13:	Analyzed 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01 04/14/25 13:31 01 04/14/25 13:31 02 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 05 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 05 04/14/25 13:31 05 06 07 04/14/25 13:31 <	Dil Fac 1 1 1 1 1 1 1 Sample Total/NA
4-Bromofluorobenzene (Surr) 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene	110 4167/1-A 	MB sult ND ND ND ND <i>MB</i> <i>ery</i> <i>103</i>	MB Qualifier MB Qualifier	48 - 145	LCS Result 0.951 0.988 2.02 1.00	mg/K mg/K mg/K mg/K	g g g g Clier <u>Unit</u> mg/Kg mg/Kg mg/Kg	Prepared 04/13/25 13:: 01 04/13/25 13::	Analyzed 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01 Lab Control 14/14/25 13:31 02 Lab Control 14/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 02 Lab Control 14/14/14/14/14/14/14/14/14/14/14/14/14/1	Dil Fac 1 1 1 1 1 1 1 Sample Total/NA
A-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24206 Analyte Benzene Ethylbenzene Toluene Kylenes, Total Surrogate A-Bromofluorobenzene (Surr) Lab Sample ID: LCS 885-2 Matrix: Solid Analysis Batch: 24206 Analysis Batch: 24206 Analyte Benzene Ethylbenzene m-Xylene & p-Xylene D-Xylene	110 110 4167/1-A Res 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MB sult ND ND MB ery 103	MB Qualifier MB Qualifier	48 - 145	LCS Result 0.951 0.988 2.02 1.00	mg/K mg/K mg/K mg/K	g g g g Clier <u>Unit</u> mg/Kg mg/Kg mg/Kg	Prepared 04/13/25 13:: 01 04/13/25 13::	Analyzed 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 01 Lab Control 14/14/25 13:31 02 Lab Control 14/14/25 13:31 03 04/14/25 13:31 04/14/25 13:31 04/14/25 13:31 02 Lab Control 14/14/14/14/14/14/14/14/14/14/14/14/14/1	Dil Fac 1 1 1 1 1 1 1 Sample Total/NA

QC Sample Results

Client: Vertex Project/Site: Todd 36D State #002

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

Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24267	238/1-A						CI	ient Sam	ple ID: Metho Prep Type: Prep Batc	Total/NA
·		MB MB								
Analyte	Re	sult Qualifier	R	L	Unit		D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]		ND		0	mg/K	-		/14/25 14:40		
Motor Oil Range Organics [C28-C40)]	ND	5	0	mg/K	g	04	/14/25 14:40	04/15/25 11:52	2 1
		MB MB								
Surrogate	%Reco			_				Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)		118	62 - 134				04	/14/25 14:40	04/15/25 11:5	2 1
Lab Sample ID: LCS 885-24	1238/2-A					Clie	nt Sa	ample ID:	Lab Control	Sample
Matrix: Solid									Prep Type:	
Analysis Batch: 24267									Prep Batc	
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	0) %Rec	Limits	
Diesel Range Organics [C10-C28]			50.0	80.8	*+	mg/Kg		162	51 - 148	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
Di-n-octyl phthalate (Surr)	151	<u>S1+</u>	62 - 134							
Lab Sample ID: 885-23045- Matrix: Solid Analysis Batch: 24267	1 MS						C	lient Sam	ple ID: WS2 Prep Type: Prep Batc	Total/NA
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte		Qualifier	Added	Result	Qualifier	Unit	0) %Rec	Limits	
Diesel Range Organics [C10-C28]	ND	*+	46.9	67.9	F1	mg/Kg		145	44 - 136	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
Di-n-octyl phthalate (Surr)	116		62 - 134							
Lab Sample ID: 885-23045- Matrix: Solid Analysis Batch: 24267							C	lient Sar	nple ID: WS2 Prep Type: Prep Batc	Total/NA h: 24238
	Sample	•	Spike	-	MSD	11	_		%Rec	RPD
Analyte Diesel Range Organics [C10-C28]	Result ND	Qualifier *+	Added 47.0	S8.1	Qualifier	Unit mg/Kg	[0 <u>%Rec</u>		PD Limit 15 32
	MSD	MSD								
Surrogate	%Recovery		Limits							
Di-n-octyl phthalate (Surr)	127		62 - 134							
Lab Sample ID: MB 885-24 Matrix: Solid Analysis Batch: 24616	650/1-A	МВ МВ					СІ	ient Sam	ple ID: Metho Prep Type: Prep Batc	Total/NA
Analyte	Re	sult Qualifier	R	L	Unit	1	D	Prepared	Analyzed	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Re	ND Qualifier		L	Unit mg/K			Prepared /21/25 11:56	Analyzed	Dil Fac

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Job ID: 885-23045-1

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		QC	Samp	ole	Resi	ults					
Client: Vertex										Job ID: 885-2	23045-1
Project/Site: Todd 36D State			(2.2.0)								
Method: 8015M/D - Die	esel Range O	rganics	(DRO)) (G(C) (C	ontinue	d)				
Lab Sample ID: MB 885-2	4650/1-A							Clie	ent Sam	ple ID: Metho	
Matrix: Solid Analysis Batch: 24616										Prep Type: T Prep Batch	
Analysis Datch. 24010										Thep Daten	1. 24030
Surrogate	MB %Recovery	MB Ouglifior	Lim	ite				D	repared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	////////////////////////////////		62 -							6 04/21/25 14:09	
Lab Sample ID: LCS 885- Matrix: Solid	24650/2-A						Client	Sar	nple ID:	Lab Control Prep Type: T	
Analysis Batch: 24616										Prep Batch	
			Spike			LCS				%Rec	
Analyte			Added			Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]			50.0		48.4		mg/Kg		97	51 - 148	
	LCS LC										
Surrogate	%Recovery Qu	alifier	Limits								
Di-n-octyl phthalate (Surr)	93		62 - 134								
lethod: 300.0 - Anion	s, Ion Chrom	atograp	ohy								
Lab Sample ID: MB 885-2 Matrix: Solid	24166/1-A							Clie	ent Sam	ple ID: Metho Prep Type: T	
Analysis Batch: 24163										Prep Batch	
		MB									
Analyte		Qualifier		RL		Unit	<u>D</u>		repared	Analyzed	Dil Fac
Chloride	ND			3.0		mg/K	g	04/1	3/23 13:44	4 04/13/25 14:33	I
Lab Sample ID: LCS 885-	24166/2-A						Client	Sar	nple ID:	Lab Control	Sample
Matrix: Solid										Prep Type: T	otal/NA
Analysis Batch: 24163										Prep Batch	: 24166
			Spike			LCS		_		%Rec	
Analyte Chloride			Added			Qualifier	Unit	_ <u>D</u>	<u>%Rec</u>	Limits	
Chionde			30.0		31.3		mg/Kg		104	90 - 110	
Lab Sample ID: MB 885-2	4226/1-A							Clie	ent Sam	ple ID: Metho	
Matrix: Solid										Prep Type: T Prep Batch	
Analysis Batch: 24228	МВ	MB								Ртер Басси	1. 24220
Analyte		Qualifier		RL		Unit	D	P	repared	Analyzed	Dil Fac
Chloride	ND			1.5		mg/K			4/25 13:56		
Lab Sample ID: LCS 885-	24226/2 4						Client	Sar	nnia ID:	Lab Control	Sampla
Matrix: Solid	2-7220/J-M						Cileili	Jai	יעו פוקוי.	Prep Type: T	
Analysis Batch: 24228										Prep Batch	
			Spike		LCS	LCS				%Rec	
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			15.0		14.3		mg/Kg		95	90 - 110	
Lab Sample ID: LLCS 885	5-24226/2-A						Client	: Sar	nple ID:	Lab Control	Sample
Matrix: Solid									-	Prep Type: T	
Analysis Batch: 24228										Prep Batch	
			Spike			LLCS				%Rec	
Analyte			Added			Qualifier	Unit	D	%Rec	Limits	
Chloride			1.50		ND		mg/Kg		97	50 - 150	

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Client: Vertex Project/Site: Todd 36D State #002

GC VOA

Prep Batch: 24119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-1	WS25-05 0-1'	Total/NA	Solid	5030C	
MB 885-24119/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24119/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24119/3-A	Lab Control Sample	Total/NA	Solid	5030C	
Prep Batch: 24167					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-2	BS25-06 4'	Total/NA	Solid	5030C	
885-23045-3	BS25-07 1'	Total/NA	Solid	5030C	
885-23045-4	BS25-08 1'	Total/NA	Solid	5030C	
885-23045-5	BS25-09 1'	Total/NA	Solid	5030C	
885-23045-6	WS25-02 0-1'	Total/NA	Solid	5030C	
MB 885-24167/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24167/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24167/3-A	Lab Control Sample	Total/NA	Solid	5030C	
Analysis Batch: 242	05				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-2	BS25-06 4'	Total/NA	Solid	8015M/D	24167
885-23045-3	BS25-07 1'	Total/NA	Solid	8015M/D	24167
885-23045-4	BS25-08 1'	Total/NA	Solid	8015M/D	24167
885-23045-5	BS25-09 1'	Total/NA	Solid	8015M/D	24167
885-23045-6	WS25-02 0-1'	Total/NA	Solid	8015M/D	24167
MB 885-24167/1-A	Method Blank	Total/NA	Solid	8015M/D	24167
LCS 885-24167/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24167
Analysis Batch: 242	06				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-23045-2	B\$25_06.4'	Total/NA	Solid	8021B	2/167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-2	BS25-06 4'	Total/NA	Solid	8021B	24167
885-23045-3	BS25-07 1'	Total/NA	Solid	8021B	24167
885-23045-4	BS25-08 1'	Total/NA	Solid	8021B	24167
885-23045-5	BS25-09 1'	Total/NA	Solid	8021B	24167
885-23045-6	WS25-02 0-1'	Total/NA	Solid	8021B	24167
MB 885-24167/1-A	Method Blank	Total/NA	Solid	8021B	24167
LCS 885-24167/3-A	Lab Control Sample	Total/NA	Solid	8021B	24167

Analysis Batch: 24235

Lab Sample ID 885-23045-1	Client Sample ID WS25-05 0-1'	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 24119
MB 885-24119/1-A	Method Blank	Total/NA	Solid	8021B	24119
LCS 885-24119/3-A	Lab Control Sample	Total/NA	Solid	8021B	24119

Analysis Batch: 24236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-1	WS25-05 0-1'	Total/NA	Solid	8015M/D	24119
MB 885-24119/1-A	Method Blank	Total/NA	Solid	8015M/D	24119
LCS 885-24119/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24119

Job ID: 885-23045-1

Client: Vertex Project/Site: Todd 36D State #002

GC Semi VOA

Prep Batch: 24238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-1	WS25-05 0-1'	Total/NA	Solid	SHAKE	
885-23045-3	BS25-07 1'	Total/NA	Solid	SHAKE	
885-23045-4	BS25-08 1'	Total/NA	Solid	SHAKE	
885-23045-6	WS25-02 0-1'	Total/NA	Solid	SHAKE	
MB 885-24238/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24238/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-23045-1 MS	WS25-05 0-1'	Total/NA	Solid	SHAKE	
885-23045-1 MSD	WS25-05 0-1'	Total/NA	Solid	SHAKE	
Analysis Batch: 242	267				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-1	WS25-05 0-1'	Total/NA	Solid	8015M/D	24238
885-23045-3	BS25-07 1'	Total/NA	Solid	8015M/D	24238

885-23045-3	BS25-07 1'	Total/NA	Solid	8015M/D	24238
885-23045-4	BS25-08 1'	Total/NA	Solid	8015M/D	24238
885-23045-6	WS25-02 0-1'	Total/NA	Solid	8015M/D	24238
MB 885-24238/1-A	Method Blank	Total/NA	Solid	8015M/D	24238
LCS 885-24238/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24238
885-23045-1 MS	WS25-05 0-1'	Total/NA	Solid	8015M/D	24238
885-23045-1 MSD	WS25-05 0-1'	Total/NA	Solid	8015M/D	24238

Analysis Batch: 24616

Lab Sample ID 885-23045-2	Client Sample ID BS25-06 4'	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 24650
885-23045-5	BS25-09 1'	Total/NA	Solid	8015M/D	24650
MB 885-24650/1-A	Method Blank	Total/NA	Solid	8015M/D	24650
LCS 885-24650/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24650

Prep Batch: 24650

Lab Sample ID 885-23045-2	Client Sample ID BS25-06 4'	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
885-23045-5	BS25-09 1'	Total/NA	Solid	SHAKE	
MB 885-24650/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24650/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 24163

Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
WS25-05 0-1'	Total/NA	Solid	300.0	24166
Method Blank	Total/NA	Solid	300.0	24166
Lab Control Sample	Total/NA	Solid	300.0	24166
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
WS25-05 0-1'	Total/NA	Solid	300_Prep	
Method Blank	Total/NA	Solid	300_Prep	
Lab Control Sample	Total/NA	Solid	300_Prep	
Client Sample ID BS25-06 4'	Prep Type Total/NA	Matrix Solid	Method 300_Prep	Prep Batch
	WS25-05 0-1' Method Blank Lab Control Sample Client Sample ID WS25-05 0-1' Method Blank Lab Control Sample Client Sample ID	WS25-05 0-1' Total/NA Method Blank Total/NA Lab Control Sample Total/NA Client Sample ID Prep Type WS25-05 0-1' Total/NA Method Blank Total/NA Lab Control Sample Total/NA Method Blank Total/NA Lab Control Sample Total/NA Client Sample ID Prep Type Client Sample ID Prep Type	WS25-05 0-1' Total/NA Solid Method Blank Total/NA Solid Lab Control Sample Total/NA Solid Client Sample ID Prep Type Matrix WS25-05 0-1' Total/NA Solid WS25-05 0-1' Total/NA Solid Method Blank Total/NA Solid Lab Control Sample Total/NA Solid Method Blank Total/NA Solid Lab Control Sample Total/NA Solid Client Sample ID Prep Type Matrix	WS25-05 0-1' Total/NA Solid 300.0 Method Blank Total/NA Solid 300.0 Lab Control Sample Total/NA Solid 300.0 Client Sample ID Prep Type Matrix Method WS25-05 0-1' Total/NA Solid 300_0 WS25-05 0-1' Total/NA Solid 300_Prep Method Blank Total/NA Solid 300_Prep Lab Control Sample Total/NA Solid 300_Prep Method Blank Total/NA Solid 300_Prep Lab Control Sample Total/NA Solid 300_Prep Client Sample ID Prep Type Matrix Method

Job ID: 885-23045-1

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Client: Vertex Project/Site: Todd 36D State #002

HPLC/IC (Continued)

Prep Batch: 24226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-3	BS25-07 1'	Total/NA	Solid	300_Prep	
885-23045-4	BS25-08 1'	Total/NA	Solid	300_Prep	
885-23045-5	BS25-09 1'	Total/NA	Solid	300_Prep	
885-23045-6	WS25-02 0-1'	Total/NA	Solid	300_Prep	
MB 885-24226/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24226/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LLCS 885-24226/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
Analysis Batch: 242	28				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23045-2	BS25-06 4'	Total/NA	Solid	300.0	24226
885-23045-3	BS25-07 1'	Total/NA	Solid	300.0	24226
885-23045-4	BS25-08 1'	Total/NA	Solid	300.0	24226
885-23045-5	BS25-09 1'	Total/NA	Solid	300.0	24226
885-23045-6	WS25-02 0-1'	Total/NA	Solid	300.0	24226
MB 885-24226/1-A	Method Blank	Total/NA	Solid	300.0	24226
LCS 885-24226/3-A	Lab Control Sample	Total/NA	Solid	300.0	24226
LLCS 885-24226/2-A	Lab Control Sample	Total/NA	Solid	300.0	24226

Job ID: 885-23045-1

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Project/Site: Todd 36D State #002

Date Collected: 04/08/25 09:00

Date Received: 04/11/25 08:30

Client Sample ID: WS25-05 0-1'

Batch

Type

Prep

Prep

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Batch

Method

5030C

5030C

8021B

SHAKE

8015M/D

300 Prep

300.0

8015M/D

Client: Vertex

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Batch

24119 JP

24236

24119 JP

24267 MI

24166 JT

24235 JP

24238 MI

24163 DL

Number Analyst

JP

Lab

EET ALB

Dilution

Run

Factor

1

1

2

20

Job ID: 885-23045-1

Lab Sample ID: 885-23045-1

Prepared

or Analyzed

04/11/25 12:06

04/15/25 02:29

04/11/25 12:06

04/15/25 02:29

04/14/25 14:40

04/15/25 12:16

04/13/25 13:44

04/13/25 21:17

Matrix: Solid

5 8

Lab Sample ID: 885-23045-2

Lab Sample ID: 885-23045-3

Lab Sample ID: 885-23045-4

Matrix: Solid

Matrix: Solid

Client Sample ID: BS25-06 4' Date Collected: 04/08/25 09:10

Date Received: 04/11/25 08:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 19:21
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 19:21
Total/NA	Prep	SHAKE			24650	MI	EET ALB	04/21/25 11:59
Total/NA	Analysis	8015M/D		1	24616	MI	EET ALB	04/21/25 14:45
Total/NA	Prep	300_Prep			24226	DL	EET ALB	04/14/25 13:56
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/15/25 00:01

Client Sample ID: BS25-07 1' Date Collected: 04/08/25 09:20 Date Received: 04/11/25 08:30

Batch Batch Dilution Batch Prepared Method Prep Type Factor Number or Analyzed Туре Run Analyst Lab 04/13/25 13:53 Total/NA Prep 5030C 24167 AT EET ALB Total/NA 8015M/D 04/14/25 19:42 Analysis 24205 AT EET ALB 1 Total/NA Prep 5030C 24167 EET ALB 04/13/25 13:53 AT Total/NA 8021B EET ALB 04/14/25 19:42 Analysis 24206 AT 1 Total/NA SHAKE EET ALB 04/14/25 14:40 Prep 24238 MI Total/NA 8015M/D EET ALB 04/15/25 13:04 Analysis 1 24267 MI Total/NA 300 Prep 24226 DL EET ALB 04/14/25 13:56 Prep Total/NA Analysis 300.0 20 24228 DL EET ALB 04/15/25 00:12

Client Sample ID: BS25-08 1' Date Collected: 04/08/25 09:30 Date Received: 04/11/25 08:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 20:04

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Released to Imaging: 6/26/2025 1:28:41 PM

Matrix: Solid

Project/Site: Todd 36D State #002

Client: Vertex

Job ID: 885-23045-1

Lab Sample ID: 885-23045-4

Lab Sample ID: 885-23045-5

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 20:04
Total/NA	Prep	SHAKE			24238	MI	EET ALB	04/14/25 14:40
Total/NA	Analysis	8015M/D		1	24267	MI	EET ALB	04/15/25 13:16
Total/NA	Prep	300_Prep			24226	DL	EET ALB	04/14/25 13:56
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/15/25 00:22

Client Sample ID: BS25-09 1' Date Collected: 04/08/25 09:40 Date Received: 04/11/25 08:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 20:26
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 20:26
Total/NA	Prep	SHAKE			24650	MI	EET ALB	04/21/25 11:59
Total/NA	Analysis	8015M/D		1	24616	MI	EET ALB	04/21/25 14:57
Total/NA	Prep	300_Prep			24226	DL	EET ALB	04/14/25 13:56
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/15/25 00:32

Client Sample ID: WS25-02 0-1' Date Collected: 04/08/25 10:10 Date Received: 04/11/25 08:30

Lab Sample ID: 885-23045-6

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 20:47
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 20:47
Total/NA	Prep	SHAKE			24238	MI	EET ALB	04/14/25 14:40
Total/NA	Analysis	8015M/D		2	24267	MI	EET ALB	04/15/25 13:40
Total/NA	Prep	300_Prep			24226	DL	EET ALB	04/14/25 13:56
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/15/25 00:43

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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8

Accreditation/Certification Summary

Client: Vertex Project/Site: Todd 36D State #002

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Progr	am	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-27-26
0,	s are included in this repo does not offer certificatior		not certified by the governing author	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organic	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

Job ID: 885-23045-1

Client:			(bill to devon)	× S	Around tandard ct Nam	d 🗙 Rush	5Day				P	N	AL	YS.	SIS	5 L	AE	BOF	FN.	TAI	
Mailing	Addres	s: or	file	Too	Id 3	6 D stat	\$ # 68 2	# GA A						nental.com							
		<u></u>	Juc	11116-14	236-05197					4901 Hawkins NE - Albuquerque, NM 871(885-23045 Tel. 505-345-3975 Fax 505-345-4107						J45 COC					
Phone									_			_	A	-	sis	Req	uest	ł.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
email o	r Fax#:			Projec	ct Mana	ager: Sally	lattar b. e Kent Stallys	1)	(ô					SO4			ent)				
QA/QC	Package Idard		Level 4 (Full Validation)	KS	talling	s Quentex (.Ca	TMB's (8021)	O / MF	PCB's		8270SIMS		PO4,			(Present/Absent)				
Accredi	tation:	D Az Co	ompliance	Samp				MB	DR	082	(1)	3270		NO ₂ ,			eser				11
	AC) (Type)	□ Othe	r	_	coolers	: 1	□ No mge	MTBE / 1	TPH-8015D(GRO / DRO / MRO)	8081 Pesticides/8082	od 504.1)	5	etals	NO3, N	0	(Semi-VOA)	orm (Pre				
	1.1	11.1	14 (manufacture of the	Coole	er Temp	O(Including CF): 1.2	+0.2 = 1.4 (°C)	N	015D	esti	(Method	oy 8:	8 M	Ъ.	VOA	Sem	Coliform				
Date	Time	Matrix	Sample Name	Conta Type	iner and #	Preservative Type	HEAL No.	BTEX	TPH-80	8081 P	EDB (N	PAHs by 8310	RCRA 8 Metals	CINF, Br, NO3,	8260 (VOA)	8270 (Total C				
418	9.00	Soil	WS25-05 0-11	H	oz	ice		X	×					2							
1	9:10	10 U	BS25-06 4'	100	1	1		T													
	9:20		BS25-07 1'					T							T						
	9:30		BS 25-08 Z'						1						ήń						
	9:40		BS25-09 11			- I - I						Í.									
	915A		n												21				1.5		
×	10:10	J	WS25-02 0-1'	V		V		r						V							1
																		+			+
		1								1					20.7						T
	(1994) 1994															Э					
		1															10				
Date 4/1 Date;	Time. 12 Time.	Relinquist Kat Relinquist	vina Tayh	Receiv CM Receiv	un	Via UUUNAO Via counce	Date Time Y 0 15 915 Date Time	Ren A7		s: /:::	Bil	R	ole tta	devi	in jim	ex.	ales Ca,	@dv KSt	n.Con sllings	n s@wel	Hoca
4/10/26	TIM		IIIIIIII	K	r d to other		24/11/25 8:30	X		afri	na.	Tay	ro	Real	ik ve	nter	K.Ca			_	

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tecessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Login Number: 23045 List Number: 1 Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey neter.</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 ampered 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	
s the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
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	

Received by OCD: 4/28/2025 2:01:17 PM



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220 Generated 4/21/2025 3:23:07 PM

JOB DESCRIPTION

Todd 36 D State #002

JOB NUMBER

885-23300-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information

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

Authorized for release by

(505)345-3975

Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com

Generated 4/21/2025 3:23:07 PM

1 2 3 4 5 6 7 8 9 10 11

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Client Sample Results	6
QC Sample Results	7
QC Association Summary	9
Lab Chronicle	10
Certification Summary	11
Chain of Custody	12
Receipt Checklists	13

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

MDL

ML

MPN

MQL NC

ND

NEG

POS

PQL PRES

QC

RL RPD

TEF

TEQ

TNTC

RER

	Demittions/Glossary	
Client: Vertex	Job ID: 885-23300-1	
Project/Site: To	odd 36 D State #002	
Qualifiers		3
GC Semi VOA		
Qualifier	Qualifier Description	4
S1+	Surrogate recovery exceeds control limits, high biased.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
 ‡	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	9
CNF	Contains No Free Liquid	0
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	9
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	

Eurofins Albuquerque

Case Narrative

Job ID: 885-23300-1

Client: Vertex Project: Todd 36 D State #002

Job ID: 885-23300-1

Eurofins Albuquerque

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Job Narrative 885-23300-1

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 sample was received on 4/16/2025 7:55 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-24560 recovered above the upper control limit for Di-n-octyl phthalate (Surr) and Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:WS25-03 0-1' (885-23300-1).

Method 8015D_DRO: Surrogate recovery for the following samples were outside the upper control limit: WS25-03 0-1' (885-23300-1) and (MB 885-24476/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Project/Site: Todd 36 D State #002

Client Sample ID: WS25-03 0-1'

Client Sample Results

Job ID: 885-23300-1

Lab Sample ID: 885-23300-1 Matrix: Solid

Date Collected: 04/04/25 09:50 Date Received: 04/16/25 07:55

Client: Vertex

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.7	mg/Kg		04/16/25 13:31	04/18/25 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		35 - 166			04/16/25 13:31	04/18/25 12:53	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		04/16/25 13:31	04/18/25 12:53	1
Ethylbenzene	ND		0.037	mg/Kg		04/16/25 13:31	04/18/25 12:53	1
Toluene	ND		0.037	mg/Kg		04/16/25 13:31	04/18/25 12:53	1
Xylenes, Total	ND		0.074	mg/Kg		04/16/25 13:31	04/18/25 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		48 - 145			04/16/25 13:31	04/18/25 12:53	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		9.9	mg/Kg		04/17/25 13:51	04/18/25 13:58	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/17/25 13:51	04/18/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	142	S1+	62 - 134			04/17/25 13:51	04/18/25 13:58	1
Di-n-octyl phthalate (Surr)	142							
		ohy						
Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	o <mark>hy</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Released to Imaging: 6/26/2025 1:28:41 PM

N

QC Sample Results

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Job ID: 885-23300-1

Client: Vertex Project/Site: Todd 36 D State #002

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

Lab Sample ID: MB 885-24400/1-	- A								Client Sa	mple ID: Metho	d Blank
Matrix: Solid										Prep Type: 1	otal/NA
Analysis Batch: 24549										Prep Batch	: 24400
	МВ	МВ									
Analyte	Result	Qualifier	RL		Unit		D	Р	repared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/K	g	_	04/1	6/25 13:31	04/18/25 12:29	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		35 - 166					04/1	6/25 13:31	04/18/25 12:29	1
Matrix: Solid										Prep Type: 1 Prep Batch	
Analysis Datch: 24049										i top Batol	n: 24400
Analysis Dalch. 24545			Spike	LCS	LCS					%Rec	1: 2440 (
			Spike Added		LCS Qualifier	Unit		D	%Rec		1: 24400
Analyte			•			Unit mg/Kg		_ <u>D</u>	%Rec	%Rec	: 24400
Analyte Gasoline Range Organics [C6 -			Added	Result				_ <u>D</u>		%Rec Limits	: 24400
Analyte Gasoline Range Organics [C6 -	LCS LCS		Added	Result				_ <u>D</u>		%Rec Limits	: 24400 -
Analysis Batch: 24549 Analyte Gasoline Range Organics [C6 - C10] Surrogate	LCS LCS %Recovery Qua		Added	Result				_ <u>D</u>		%Rec Limits	: 2440(

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-24400/1-A									Client Sa	ample ID: Metho	d Blank
Matrix: Solid										Prep Type: 1	Total/NA
Analysis Batch: 24550										Prep Batch	n: 24400
	MB	MB									
Analyte	Result	Qualifier	RL		Unit		D	Ρ	repared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Ko	J		04/16	6/25 13:31	04/18/25 12:29	1
Ethylbenzene	ND		0.050		mg/Kg	9		04/16	6/25 13:31	04/18/25 12:29	1
Toluene	ND		0.050		mg/Kg	9		04/16	6/25 13:31	04/18/25 12:29	1
Xylenes, Total	ND		0.10		mg/Kg]		04/16	6/25 13:31	04/18/25 12:29	1
	МВ	МВ									
Surrogate	%Recovery	Qualifier	Limits					Pi	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		48 - 145					04/1	6/25 13:31	04/18/25 12:29	1
- Lab Sample ID: LCS 885-24400/3-A							С	lient	Sample	ID: Lab Control	Sample
Matrix: Solid										Prep Type: 1	Total/NA
Analysis Batch: 24550										Prep Batch	n: 24400
-			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			1.00	1.11		mg/Kg		111	70 - 130	
Ethylbenzene			1.00	1.08		mg/Kg		108	70 _ 130	
m,p-Xylene			2.00	2.31		mg/Kg		116	70 - 130	
o-Xylene			1.00	1.10		mg/Kg		110	70 - 130	
Toluene			1.00	1.09		mg/Kg		109	70 _ 130	
Xylenes, Total			3.00	3.42		mg/Kg		114	70 _ 130	
	1.00									
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							

4-Bromofluorobenzene (Surr)

48 - 145

118

QC Sample Results

RL

10

50

Limits

Spike

62 - 134

Unit

mg/Kg

mg/Kg

Unit

mg/Kg

LCS LCS

D

Prepared

04/17/25 12:32

04/17/25 12:32

Prepared

115

Client: Vertex Project/Site: Todd 36 D State #002

Lab Sample ID: MB 885-24476/1-A

Matrix: Solid

Analyte

Surrogate

Analysis Batch: 24560

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C28-C40]

Lab Sample ID: LCS 885-24476/2-A

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

MB MB Result Qualifier

MB MB

170 S1+

%Recovery Qualifier

ND

ND

Job ID: 885-23300-1

Prep Type: Total/NA

Prep Batch: 24476

6

Dil Fac

Dil Fac

1

1

-	04/17/25 12:32	04/18/25 13:33	1
Cli	ient Sample II	D: Lab Control	
		Prep Type: 7	Fotal/NA
		Prep Batcl	n: 24476
		%Rec	

Client Sample ID: Method Blank

Analyzed

04/18/25 13:33

04/18/25 13:33

Analyzed

		Prep Type: Total/N
		Prep Batch: 244
		%Rec
D	%Rec	Limits

60 - 135

Matrix: Solid
Analysis Batch: 24560

Di-n-octyl phthalate (Surr)

Analyte			Added	Result	Qualifier
Diesel Range Organics			50.0	57.5	
[C10-C28]					
	LCS	LCS			
Surrogate	%Recovery	Qualifier	Limits		
Di-n-octyl phthalate (Surr)	121		62 - 134		

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-24530/3								С	lient	Sample	ID: Lab Contro	l Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 24530												
-			Spike		MRL	MRL					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	
Chloride			0.500		0.522		mg/L			104	50 - 150	
Lab Sample ID: MB 885-24532/1-A										Client Sa	ample ID: Metho	od Blank
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 24530											Prep Batc	h: 24532
	MB	MB										
Analyte	Result	Qualifier		RL		Unit		D	Р	repared	Analyzed	Dil Fac
Chloride	ND			1.5		mg/Kg	3	_	04/1	8/25 08:41	04/18/25 10:21	1
Lab Sample ID: LCS 885-24532/3-A								с	lient	Sample	ID: Lab Contro	l Sample
Matrix: Solid								_			Prep Type:	
Analysis Batch: 24530											Prep Batc	
			Spike		LCS	LCS					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	
Chloride			15.0		15.2		mg/Kg			101	90 - 110	
Lab Sample ID: LLCS 885-24532/2-A								С	lient	Sample	ID: Lab Contro	l Sample
Matrix: Solid											Prep Type:	
Analysis Batch: 24530											Prep Batc	h: 24532
			Spike		LLCS	LLCS					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	
2												

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID

Lab Control Sample

Lab Control Sample

Client Sample ID

Lab Control Sample

WS25-03 0-1

Method Blank

WS25-03 0-1

Method Blank

GC VOA

Prep Batch: 24400

MB 885-24400/1-A

LCS 885-24400/2-A

LCS 885-24400/3-A

Lab Sample ID

MB 885-24400/1-A

LCS 885-24400/2-A

885-23300-1

Analysis Batch: 24549

Lab Sample ID

885-23300-1

Job ID: 885-23300-1

Method

5035

5035

5035

5035

Method

8015M/D

8015M/D

8015M/D

Matrix

Solid

Solid

Solid

Solid

Matrix

Solid

Solid

Solid

Prep Batch

Prep Batch

24400

24400

24400

Analysis Batch: 24550

Lab Sample ID 885-23300-1	Client Sample ID WS25-03 0-1'	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 24400
MB 885-24400/1-A	Method Blank	Total/NA	Solid	8021B	24400
LCS 885-24400/3-A	Lab Control Sample	Total/NA	Solid	8021B	24400

GC Semi VOA

Prep Batch: 24476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23300-1	WS25-03 0-1'	Total/NA	Solid	SHAKE	
MB 885-24476/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24476/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
nalysis Batch: 24560					
		Pren Tyne	Matrix	Method	Pren Batch
Lab Sample ID	Client Sample ID WS25-03 0-1'	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 24476
Lab Sample ID 885-23300-1 MB 885-24476/1-A	Client Sample ID				

Analysis Batch: 24530

Lab Sample ID 885-23300-1	Client Sample ID WS25-03 0-1'	Prep Type Total/NA	Matrix Solid	Method 300.0	Prep Batch 24532
MB 885-24532/1-A	Method Blank	Total/NA	Solid	300.0	24532
LCS 885-24532/3-A	Lab Control Sample	Total/NA	Solid	300.0	24532
LLCS 885-24532/2-A	Lab Control Sample	Total/NA	Solid	300.0	24532
MRL 885-24530/3	Lab Control Sample	Total/NA	Solid	300.0	

Prep Batch: 24532

Lab Sample ID 885-23300-1	Client Sample ID WS25-03 0-1'	Prep Type Total/NA	Matrix Solid	Method 300_Prep	Prep Batch
MB 885-24532/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24532/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LLCS 885-24532/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Matrix: Solid

Job ID: 885-23300-1

Lab Sample ID: 885-23300-1

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: WS25-03 0-1' Date Collected: 04/04/25 09:50 Date Received: 04/16/25 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			24400	JE	EET ALB	04/16/25 13:31
Total/NA	Analysis	8015M/D		1	24549	JP	EET ALB	04/18/25 12:53
Fotal/NA	Prep	5035			24400	JE	EET ALB	04/16/25 13:31
otal/NA	Analysis	8021B		1	24550	JP	EET ALB	04/18/25 12:53
otal/NA	Prep	SHAKE			24476	MI	EET ALB	04/17/25 13:51
otal/NA	Analysis	8015M/D		1	24560	JE	EET ALB	04/18/25 13:58
Total/NA	Prep	300_Prep			24532	DL	EETALB	04/18/25 08:41
otal/NA	Analysis	300.0		20	24530	RC	EET ALB	04/18/25 12:14

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Des

Accreditation/Certification Summary

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Job ID: 885-23300-1

	1
	4
	5
	6

Client: Vertex Project/Site: Todd 36 D State #002

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date	
New Mexico	State		NM9425, NM0901	02-27-26	- i
The following analytes	are included in this report, b	ut the laboratory is not certif	ied by the governing authority. This list	t may include analytes	
• •	pes not offer certification.	,	, , , , , ,		
Analysis Method	Prep Method	Matrix	Analyte		
300.0	300_Prep	Solid	Chloride		
8015M/D	5035	Solid	Gasoline Range Organics	[C6 - C10]	
8015M/D	SHAKE	Solid	Diesel Range Organics [C	10-C28]	
8015M/D	SHAKE	Solid	Motor Oil Range Organics	[C28-C40]	
8021B	5035	Solid	Benzene		
8021B	5035	Solid	Ethylbenzene		
8021B	5035	Solid	Toluene		
8021B	5035	Solid	Xylenes, Total		
Dregon	NELA	P	NM100001	02-26-26	

Eurofins Albuquerque

Vertex								
AGILGA	X 48-h	X 48-hour Rush		ANA	LYS	ANALYSIS LABORA	ORA	20
II to Devon, work order 1006092001)	Project Name:			www	hallenvi	www.hallenvironmental.com	ε	by O
Address: To	Todd 36 D State #002		4901 H	4901 Hawkins NE -		Albuquerque, NM 87109	A 87109	885-23300 COC
Pro	Project #		Tel. 50	Tel. 505-345-3975		Fax 505-345-4107	4107	
pc 231	23E-05197				Anal	Analysis Request		
Pro	Project Manager:		-	-	٥٩	(tn	_	
	Kent Stallings		NR/	SMI	S '*C	əsdA		
Level 4 (Full Validation) kst	kstallings@vertexresource.com	.com	0	IS0)d	γµu		
Az Compliance	ę		aa I		^z ON	-		
Other 4	On Ice: I Yes	I No miju	ояє	10 0	-			
6 2 2 2	# 01 Cooler Temp(including CFI; [] 4	2014-204	D)DS	158	-	/-im	_	
Matrix Sample Name		HEA	1 1 (X 3 78 1 (X 3 18 1 (X 3 18) 1 (X 3 18)	9M) 8D3 Vd sHA9	RCRA 8	8260 (VC 8270 (Se Total Col		
Soil WS25-03 0-1' 1	1, 4oz jar		×)×	-		
						-		
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A Chin	CAMANANAAAA	VISIC 1000	Remarks: ATTN Jim Raley Direct bill to Devon work order 1006092001 Jim Raley cc. nermain@vertexresource.com SCarthar@vertexresource.com	TN Jim Ral Devon wor	k order	1006092001 J	lim Raley	, mo
Time: Refinquished by: Up Received by. Received by.	eived by. Via:counce	Date Time 7:Sr M/11/2S	and LPullman@vertexresource.com for Final Report	ertexresou	rce.com	, SMcCarty@ com for Final	vertexreso	Page 2

Login Sample Receipt Checklist

Client: Vertex

Login Number: 23300 List Number: 1

Creator: Casarrubias, Tracy

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	

List Source: Eurofins Albuquerque

Received by OCD: 4/28/2025 2:01:17 PM



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220 Generated 4/21/2025 11:06:18 AM

JOB DESCRIPTION

Todd 36 D State #002

JOB NUMBER

885-23304-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information

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

Authorized for release by

(505)345-3975

Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com

Generated 4/21/2025 11:06:18 AM

Released to Imaging: 6/26/2025 1:28:41 PM

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Definitions/Glossary

Client: Vertex Project/Site: Todd 36 D State #002

Percent Recovery

Contains Free Liquid

Colony Forming Unit

Dilution Factor

Contains No Free Liquid

Detection Limit (DoD/DOE)

Glossary Abbreviation

₽ %R

CFL

CFU

CNF

DER

DL

Dil Fac

Job ID: 8

	1
885-23304-1	2
	3
	4
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	9
	40

Eurofins Albuquerque

DL	Botodion Emit (Bob/BOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Duplicate Error Ratio (normalized absolute difference)

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

Too Numerous To Count TNTC

Case Narrative

Job ID: 885-23304-1

Client: Vertex Project: Todd 36 D State #002

Job ID: 885-23304-1

Eurofins Albuquerque

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Eurofins /

Job Narrative 885-23304-1

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 4/16/2025 7:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-24457 and analytical batch 885-24440 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.

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.
Job ID: 885-23304-1

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: BS25-10 1'

Date Collected: 04/11/25 11:05 Date Received: 04/16/25 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		04/16/25 15:49	04/17/25 23:23	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			04/16/25 15:49	04/17/25 23:23	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/16/25 15:49	04/17/25 23:23	1
Ethylbenzene	ND		0.048	mg/Kg		04/16/25 15:49	04/17/25 23:23	1
Toluene	ND		0.048	mg/Kg		04/16/25 15:49	04/17/25 23:23	1
Xylenes, Total	ND		0.095	mg/Kg		04/16/25 15:49	04/17/25 23:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			04/16/25 15:49	04/17/25 23:23	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]	60		10	mg/Kg		04/17/25 10:25	04/18/25 07:54	1
Motor Oil Range Organics [C28-C40]	63		50	mg/Kg		04/17/25 10:25	04/18/25 07:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
			62 - 134			04/17/25 10:25	04/18/25 07:54	1
Di-n-octyl phthalate (Surr)	,,,,							
		ohy						
Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	ohy Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 885-23304-1 Matrix: Solid 5 6 7 8 9 10

Matrix: Solid

Job ID: 885-23304-1

Lab Sample ID: 885-23304-2

Project/Site: Todd 36 D State #002

Client: Vertex

Client Sample ID: BS25-11 1'

Date Collected: 04/11/25 11:10 Date Received: 04/16/25 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.6	mg/Kg		04/16/25 15:49	04/18/25 00:28	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			04/16/25 15:49	04/18/25 00:28	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	1					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/16/25 15:49	04/18/25 00:28	1
Ethylbenzene	ND		0.046	mg/Kg		04/16/25 15:49	04/18/25 00:28	1
Toluene	ND		0.046	mg/Kg		04/16/25 15:49	04/18/25 00:28	1
Xylenes, Total	ND		0.091	mg/Kg		04/16/25 15:49	04/18/25 00:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			04/16/25 15:49	04/18/25 00:28	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	240		9.9	mg/Kg		04/17/25 10:25	04/18/25 08:06	1
Motor Oil Range Organics [C28-C40]	190		49	mg/Kg		04/17/25 10:25	04/18/25 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	127		62 - 134			04/17/25 10:25	04/18/25 08:06	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyta	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	nooun							

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Job ID: 885-23304-1

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: WS25-01 0-1'

Date Collected: 04/11/25 11:20 Date Received: 04/16/25 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		04/16/25 15:49	04/18/25 00:50	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			04/16/25 15:49	04/18/25 00:50	1
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)	1					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/16/25 15:49	04/18/25 00:50	1
Ethylbenzene	ND		0.048	mg/Kg		04/16/25 15:49	04/18/25 00:50	1
Toluene	ND		0.048	mg/Kg		04/16/25 15:49	04/18/25 00:50	1
Xylenes, Total	ND		0.097	mg/Kg		04/16/25 15:49	04/18/25 00:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			04/16/25 15:49	04/18/25 00:50	1
Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/17/25 10:25	04/18/25 08:17	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/17/25 10:25	04/18/25 08:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			04/17/25 10:25	04/18/25 08:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		04/17/25 09:22	04/17/25 22:47	20

Lab Sample ID: 885-23304-3 Matrix: Solid

Matrix: Solid

Job ID: 885-23304-1

Lab Sample ID: 885-23304-4

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: WS25-04 0-1'

Date Collected: 04/11/25 11:35 Date Received: 04/16/25 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		04/16/25 15:49	04/18/25 01:12	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			04/16/25 15:49	04/18/25 01:12	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/16/25 15:49	04/18/25 01:12	1
Ethylbenzene	ND		0.047	mg/Kg		04/16/25 15:49	04/18/25 01:12	1
Toluene	ND		0.047	mg/Kg		04/16/25 15:49	04/18/25 01:12	1
Xylenes, Total	ND		0.094	mg/Kg		04/16/25 15:49	04/18/25 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			04/16/25 15:49	04/18/25 01:12	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		9.9	mg/Kg		04/17/25 10:25	04/18/25 08:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/17/25 10:25	04/18/25 08:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			04/17/25 10:25	04/18/25 08:29	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

Job ID: 885-23304-1

Lab Sample ID: 885-23304-5

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: WS25-06 0-4'

Date Collected: 04/11/25 13:00 Date Received: 04/16/25 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		04/16/25 15:49	04/18/25 01:33	1
GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			04/16/25 15:49	04/18/25 01:33	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/16/25 15:49	04/18/25 01:33	1
Ethylbenzene	ND		0.048	mg/Kg		04/16/25 15:49	04/18/25 01:33	1
Toluene	ND		0.048	mg/Kg		04/16/25 15:49	04/18/25 01:33	1
Xylenes, Total	ND		0.097	mg/Kg		04/16/25 15:49	04/18/25 01:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			04/16/25 15:49	04/18/25 01:33	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		9.8	mg/Kg		04/17/25 10:25	04/18/25 08:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/17/25 10:25	04/18/25 08:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)			62 - 134			04/17/25 10:25	04/18/25 08:41	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Released to Imaging: 6/26/2025 1:28:41 PM

Matrix: Solid

Job ID: 885-23304-1

Lab Sample ID: 885-23304-6

Client: Vertex Project/Site: Todd 36 D State #002

Client Sample ID: WS25-07 0-4'

Date Collected: 04/11/25 13:05 Date Received: 04/16/25 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		04/16/25 15:49	04/18/25 01:55	1
GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			04/16/25 15:49	04/18/25 01:55	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/16/25 15:49	04/18/25 01:55	1
Ethylbenzene	ND		0.048	mg/Kg		04/16/25 15:49	04/18/25 01:55	1
Toluene	ND		0.048	mg/Kg		04/16/25 15:49	04/18/25 01:55	1
Xylenes, Total	ND		0.097	mg/Kg		04/16/25 15:49	04/18/25 01:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			04/16/25 15:49	04/18/25 01:55	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/17/25 10:25	04/18/25 08:52	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/17/25 10:25	04/18/25 08:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			04/17/25 10:25	04/18/25 08:52	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		04/17/25 09:22	04/17/25 23:29	20

QC Sample Results

RL

5.0

Limits

Spike

Added

Limits 35 - 166

25.0

35 - 166

Unit

mg/Kg

Unit

mg/Kg

LCS LCS

29.2

Result Qualifier

D

Prepared

04/16/25 15:49

Prepared

04/16/25 15:49

%Rec

117

D

Client: Vertex Project/Site: Todd 36 D State #002

Lab Sample ID: MB 885-24415/1-A

Lab Sample ID: LCS 885-24415/2-A

Matrix: Solid

(GRO)-C6-C10

Matrix: Solid

(GRO)-C6-C10

Surrogate

Surrogate

Analyte

Analyte

Analysis Batch: 24571

Gasoline Range Organics

4-Bromofluorobenzene (Surr)

Analysis Batch: 24571

Gasoline Range Organics

4-Bromofluorobenzene (Surr)

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

MB MB Result Qualifier

MB MB

98

Qualifier

ND

%Recovery

LCS LCS

%Recovery Qualifier

222

Method: 8021B - Volatile Organic Compounds (GC)

Job ID: 885-23304-1

Prep Type: Total/NA

Prep Batch: 24415

6

Dil Fac

Dil Fac

1

1

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

Limits

70 - 130

Client Sample ID: Method Blank

Analyzed

04/17/25 18:41

Analyzed

04/17/25 18:41

Prep Type: Total/NA	
Trop Type. Total/TA	
Pren Batch: 24415	

	Frep Type. Total/MA
	Prep Batch: 24415
0/	Bee

%Rec

Lab Sample ID: MB 885-24415/	1-A							Clie	ent Sa	mple ID: Metho	
Matrix: Solid										Prep Type:	
Analysis Batch: 24572										Prep Batcl	n: 24415
	ME	8 MB									
Analyte	Resul	t Qualifier	RL		Unit		D	Prepa	red	Analyzed	Dil Fac
Benzene	NC)	0.025		mg/K	9		04/16/25	15:49	04/17/25 18:41	1
Ethylbenzene	NE)	0.050		mg/K	g		04/16/25	15:49	04/17/25 18:41	1
Toluene	ND)	0.050		mg/K	g		04/16/25	15:49	04/17/25 18:41	1
Xylenes, Total	NE)	0.10		mg/K	g		04/16/25	15:49	04/17/25 18:41	1
	МЕ	B MB									
Surrogate	%Recovery	Qualifier	Limits					Prepa	red	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	4	48 - 145				-	04/16/25	15:49	04/17/25 18:41	1
Lab Sample ID: LCS 885-24415 Matrix: Solid Analysis Batch: 24572										D: Lab Control Prep Type:	
										Prep Batcl	
			Spike	LCS	LCS					Prep Batcl %Rec	
Analyte			Spike Added		LCS Qualifier	Unit		D %F	Rec		
			•			Unit mg/Kg				%Rec	
Benzene			Added	Result				1	103	%Rec Limits	
Benzene Ethylbenzene			Added	Result		mg/Kg		1	103 101	%Rec Limits 70 - 130	
Benzene Ethylbenzene m-Xylene & p-Xylene			Added	Result 1.03 1.01		mg/Kg mg/Kg		1 1 1	103 101 102	%Rec Limits 70 - 130 70 - 130	
Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene			Added 1.00 1.00 2.00	Result 1.03 1.01 2.04		mg/Kg mg/Kg mg/Kg		1 1 1 1	103 101 102 104	%Rec Limits 70 - 130 70 - 130 70 - 130	
Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene	LCS LC.	 S	Added 1.00 1.00 2.00 1.00	Result 1.03 1.01 2.04 1.04		mg/Kg mg/Kg mg/Kg mg/Kg		1 1 1 1	103 101 102 104	%Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	
Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene	LCS LC %Recovery Qu		Added 1.00 1.00 2.00 1.00	Result 1.03 1.01 2.04 1.04		mg/Kg mg/Kg mg/Kg mg/Kg		1 1 1 1	103 101 102 104	%Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	

4-Bromofluorobenzene (Surr)

Eurofins Albuquerque

QC Sample Results

RL

10

50

Limits

Spike

Added

50.0

62 - 134

Unit

mg/Kg

mg/Kg

Unit

mg/Kg

LCS LCS Result Qualifier

45.9

D

Prepared

04/17/25 10:25

04/17/25 10:25

Prepared

04/17/25 10:25

92

Client: Vertex Project/Site: Todd 36 D State #002

Lab Sample ID: MB 885-24457/1-A

Matrix: Solid

Analyte

Surrogate

Matrix: Solid

Analysis Batch: 24440

Di-n-octyl phthalate (Surr)

Analysis Batch: 24440

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C28-C40]

Lab Sample ID: LCS 885-24457/2-A

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

MB MB Result Qualifier

MB MB

Qualifier

ND

ND

112

%Recovery

Job ID: 885-23304-1

Prep Type: Total/NA

Prep Batch: 24457

6

Dil Fac

Dil Fac

1

1

1

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24457
0/ D

Prep Type: Total/NA
Prep Batch: 24457
%Rec

Client Sample ID: Method Blank

Analyzed

04/18/25 05:24

04/18/25 05:24

Analyzed

04/18/25 05:24

		Prep Type: Total/N
		Prep Batch: 2445
		%Rec
D	%Rec	Limits

60 - 135

Analyte	
Diesel Range Organics	
[C10-C28]	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	95		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-24447/1-A									Clie	ent Sa	mple ID: Metho	
Matrix: Solid											Prep Type: 1	
Analysis Batch: 24448											Prep Batch	n: 24447
	MB	MB										
Analyte	Result	Qualifier		RL		Unit		D	Prepa	red	Analyzed	Dil Fa
Chloride	ND			3.0		mg/Ko	9	0	4/17/25	09:22	04/17/25 12:10	1
Lab Sample ID: LCS 885-24447/2-A								Clie	ent Sai	mple I	D: Lab Control	Sample
Matrix: Solid											Prep Type: 1	otal/N/
Analysis Batch: 24448											Prep Batch	n: 24447
			Spike		LCS	LCS					%Rec	
										_		
Analyte			Added	F	Result	Qualifier	Unit		D %F	Rec	Limits	

Eurofins Albuquerque

Released to Imaging: 6/26/2025 1:28:41 PM

QC Association Summary

Client: Vertex Project/Site: Todd 36 D State #002

Prep Batch: 24415

Lab Sample ID

885-23304-1

Client Sample ID	Ргер Туре	Matrix	Method
BS25-10 1'	Total/NA	Solid	5030C
BS25-11 1'	Total/NA	Solid	5030C

885-23304-2	BS25-11 1'	Total/NA	Solid	5030C	
885-23304-3	WS25-01 0-1'	Total/NA	Solid	5030C	
885-23304-4	WS25-04 0-1'	Total/NA	Solid	5030C	
885-23304-5	WS25-06 0-4'	Total/NA	Solid	5030C	
885-23304-6	WS25-07 0-4'	Total/NA	Solid	5030C	
MB 885-24415/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24415/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24415/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 24571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23304-1	BS25-10 1'	Total/NA	Solid	8015M/D	24415
885-23304-2	BS25-11 1'	Total/NA	Solid	8015M/D	24415
885-23304-3	WS25-01 0-1'	Total/NA	Solid	8015M/D	24415
885-23304-4	WS25-04 0-1'	Total/NA	Solid	8015M/D	24415
885-23304-5	WS25-06 0-4'	Total/NA	Solid	8015M/D	24415
885-23304-6	WS25-07 0-4'	Total/NA	Solid	8015M/D	24415
MB 885-24415/1-A	Method Blank	Total/NA	Solid	8015M/D	24415
LCS 885-24415/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24415

Analysis Batch: 24572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23304-1	BS25-10 1'	Total/NA	Solid	8021B	24415
885-23304-2	BS25-11 1'	Total/NA	Solid	8021B	24415
885-23304-3	WS25-01 0-1'	Total/NA	Solid	8021B	24415
885-23304-4	WS25-04 0-1'	Total/NA	Solid	8021B	24415
885-23304-5	WS25-06 0-4'	Total/NA	Solid	8021B	24415
885-23304-6	WS25-07 0-4'	Total/NA	Solid	8021B	24415
MB 885-24415/1-A	Method Blank	Total/NA	Solid	8021B	24415
LCS 885-24415/3-A	Lab Control Sample	Total/NA	Solid	8021B	24415

GC Semi VOA

Analysis Batch: 24440

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-23304-1	BS25-10 1'	Total/NA	Solid	8015M/D	24457
885-23304-2	BS25-11 1'	Total/NA	Solid	8015M/D	24457
885-23304-3	WS25-01 0-1'	Total/NA	Solid	8015M/D	24457
885-23304-4	WS25-04 0-1'	Total/NA	Solid	8015M/D	24457
885-23304-5	WS25-06 0-4'	Total/NA	Solid	8015M/D	24457
885-23304-6	WS25-07 0-4'	Total/NA	Solid	8015M/D	24457
MB 885-24457/1-A	Method Blank	Total/NA	Solid	8015M/D	24457
LCS 885-24457/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24457

Prep Batch: 24457

Lab Sample ID 885-23304-1	Client Sample ID BS25-10 1'	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
885-23304-2	BS25-11 1'	Total/NA	Solid	SHAKE	
885-23304-3	WS25-01 0-1'	Total/NA	Solid	SHAKE	
885-23304-4	WS25-04 0-1'	Total/NA	Solid	SHAKE	

Job ID: 885-23304-1

5

Eurofins Albuquerque

Prep Batch

QC Association Summary

Client: Vertex

Project/Site: Todd 36 D State #002

GC Semi VOA (Continued)

Prep Batch: 24457 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-23304-5	WS25-06 0-4'	Total/NA	Solid	SHAKE	
885-23304-6	WS25-07 0-4'	Total/NA	Solid	SHAKE	
MB 885-24457/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24457/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 24447

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-23304-1	BS25-10 1'	Total/NA	Solid	300_Prep	
885-23304-2	BS25-11 1'	Total/NA	Solid	300_Prep	
885-23304-3	WS25-01 0-1'	Total/NA	Solid	300_Prep	
885-23304-4	WS25-04 0-1'	Total/NA	Solid	300_Prep	
885-23304-5	WS25-06 0-4'	Total/NA	Solid	300_Prep	
885-23304-6	WS25-07 0-4'	Total/NA	Solid	300_Prep	
MB 885-24447/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24447/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 24448

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-23304-1	BS25-10 1'	Total/NA	Solid	300.0	24447
885-23304-2	BS25-11 1'	Total/NA	Solid	300.0	24447
885-23304-3	WS25-01 0-1'	Total/NA	Solid	300.0	24447
885-23304-4	WS25-04 0-1'	Total/NA	Solid	300.0	24447
885-23304-5	WS25-06 0-4'	Total/NA	Solid	300.0	24447
885-23304-6	WS25-07 0-4'	Total/NA	Solid	300.0	24447
MB 885-24447/1-A	Method Blank	Total/NA	Solid	300.0	24447
LCS 885-24447/2-A	Lab Control Sample	Total/NA	Solid	300.0	24447

Job ID: 885-23304-1

Eurofins Albuquerque

Job ID: 885-23304-1

Lab Sample ID: 885-23304-1

Client Sample ID: BS25-10 1' Date Collected: 04/11/25 11:05

Project/Site: Todd 36 D State #002

Client: Vertex

Date Received: 04/16/25 07:55

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8015M/D		1	24571	AT	EET ALB	04/17/25 23:23
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8021B		1	24572	AT	EET ALB	04/17/25 23:23
Total/NA	Prep	SHAKE			24457	MI	EET ALB	04/17/25 10:25
Total/NA	Analysis	8015M/D		1	24440	EM	EET ALB	04/18/25 07:54
Total/NA	Prep	300_Prep			24447	JT	EET ALB	04/17/25 09:22
Total/NA	Analysis	300.0		20	24448	DL	EET ALB	04/17/25 21:50

Lab Sample ID: 885-23304-2

Lab Sample ID: 885-23304-3

Lab Sample ID: 885-23304-4

Matrix: Solid

Matrix: Solid

5

8

Client Sample ID: BS25-11 1'

Date Collected: 04/11/25 11:10 Date Received: 04/16/25 07:55

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8015M/D		1	24571	AT	EET ALB	04/18/25 00:28
Total/NA	Prep	5030C			24415	JP	EETALB	04/16/25 15:49
Total/NA	Analysis	8021B		1	24572	AT	EET ALB	04/18/25 00:28
Total/NA	Prep	SHAKE			24457	MI	EET ALB	04/17/25 10:25
Total/NA	Analysis	8015M/D		1	24440	EM	EET ALB	04/18/25 08:06
Total/NA	Prep	300_Prep			24447	JT	EETALB	04/17/25 09:22
Total/NA	Analysis	300.0		20	24448	DL	EET ALB	04/17/25 22:04

Client Sample ID: WS25-01 0-1'

Date Collected: 04/11/25 11:20 Date Received: 04/16/25 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8015M/D		1	24571	AT	EET ALB	04/18/25 00:50
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8021B		1	24572	AT	EET ALB	04/18/25 00:50
Total/NA	Prep	SHAKE			24457	MI	EET ALB	04/17/25 10:25
Total/NA	Analysis	8015M/D		1	24440	EM	EET ALB	04/18/25 08:17
Total/NA	Prep	300_Prep			24447	JT	EETALB	04/17/25 09:22
Total/NA	Analysis	300.0		20	24448	DL	EET ALB	04/17/25 22:47

Client Sample ID: WS25-04 0-1' Date Collected: 04/11/25 11:35 Date Received: 04/16/25 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8015M/D		1	24571	AT	EET ALB	04/18/25 01:12

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Matrix: Solid

Matrix: Solid

5

8

Job ID: 885-23304-1

Lab Sample ID: 885-23304-4 Matrix: Solid

Lab Sample ID: 885-23304-5

Date Collected: 04/11/25 11:35 Date Received: 04/16/25 07:55

Project/Site: Todd 36 D State #002

Client Sample ID: WS25-04 0-1'

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8021B		1	24572	AT	EET ALB	04/18/25 01:12
Total/NA	Prep	SHAKE			24457	MI	EET ALB	04/17/25 10:25
Total/NA	Analysis	8015M/D		1	24440	EM	EET ALB	04/18/25 08:29
Total/NA	Prep	300_Prep			24447	JT	EET ALB	04/17/25 09:22
Total/NA	Analysis	300.0		20	24448	DL	EET ALB	04/17/25 23:01

Client Sample ID: WS25-06 0-4' Date Collected: 04/11/25 13:00 Date Received: 04/16/25 07:55

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed Total/NA Prep 5030C 24415 JP EET ALB 04/16/25 15:49 Total/NA 8015M/D 04/18/25 01:33 24571 AT EET ALB Analysis 1 Total/NA 5030C 04/16/25 15:49 Prep 24415 JP EET ALB Total/NA 8021B 24572 AT EET ALB 04/18/25 01:33 Analysis 1 Total/NA SHAKE EET ALB 04/17/25 10:25 Prep 24457 MI Total/NA 04/18/25 08:41 Analysis 8015M/D 1 24440 EM EET ALB Total/NA 300 Prep EET ALB 04/17/25 09:22 Prep 24447 JT Total/NA 04/17/25 23:15 Analysis 300.0 20 24448 DL EET ALB

Client Sample ID: WS25-07 0-4' Date Collected: 04/11/25 13:05 Date Received: 04/16/25 07:55

Lab Sample ID: 885-23304-6

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8015M/D		1	24571	AT	EET ALB	04/18/25 01:55
Total/NA	Prep	5030C			24415	JP	EET ALB	04/16/25 15:49
Total/NA	Analysis	8021B		1	24572	AT	EET ALB	04/18/25 01:55
Total/NA	Prep	SHAKE			24457	MI	EET ALB	04/17/25 10:25
Total/NA	Analysis	8015M/D		1	24440	EM	EET ALB	04/18/25 08:52
Total/NA	Prep	300_Prep			24447	JT	EETALB	04/17/25 09:22
Total/NA	Analysis	300.0		20	24448	DL	EET ALB	04/17/25 23:29

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Released to Imaging: 6/26/2025 1:28:41 PM

Accreditation/Certification Summary

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Job ID: 885-23304-1

Client: Vertex Project/Site: Todd 36 D State #002

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Ithority	Prog	gram	Identification Number	Expiration Date	
ew Mexico	State	3	NM9425, NM0901	02-27-26	
The following analytes	are included in this report,	out the laboratory is not certif	ied by the governing authority. This list	t may include analytes	
• •	loes not offer certification.	,	, , , , , ,		
Analysis Method	Prep Method	Matrix	Analyte		
300.0	300_Prep	Solid	Chloride		
8015M/D	5030C	Solid	Gasoline Range Organics	(GRO)-C6-C10	
8015M/D	SHAKE	Solid	Diesel Range Organics [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		- 1
8021B	5030C	Solid	Xylenes, Total		
egon	NEL	AP	NM100001	02-26-26	

Eurofins Albuquerque

0	hain	-of-CI	Chain-of-Custody Record	Turn-Around Time:	Time:		-		1			and Con	14	
Client		Vertex			X 72-h	X 72-hour Rush		T	A N N	ALY	SIS	ANALYSIS LABOR	2	が近日
	-	bill to Dev	(direct bill to Devon, work order 1006092001)	Project Name:					- MMM	v.haller	wironr	www.hallenvironmental.com		
Mailing.	Address:			0	State #002			4901 Hawkins NE -	awkins I	VE - A	phdue	Albuquerque, NM 87105		885-23304 COC
				Project #:			_	Tel. 50	Tel. 505-345-3975		Fax	Fax 505-345-4107	7	
Phone #	**			23E-05197						Ana	lysis l	Analysis Request	h	
email or Fax#:	r Fax#:			Project Manager:	iger:		(1	(0		10		(Ju		
QA/QC F	QA/QC Package:			Kent Stallings	0		805		SW	5 .0		əsq		
□ Standard	dard		Level 4 (Full Validation)	kstallings@v	kstallings@vertexresource.com	com) s,8		150	Ъ		₩Ju		
Accreditation:	tation:	D Az Co	mpliance	c	L. Pullman		amt		1.1.1.1.1	ON				
D NELAC	NELAC FDD (Tvne)	Dther		On Ice: # of Coolers:	Ves	- No mg.	/ 38	-		_				
	1246-1			Cooler Temp(including CF); 4	5	+0.2-4.6-4	9TM					2.44		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	\X3T8	108:H9T 99 1808	(M) 803 (M sHA9	C) E' B	8560 (V	o2) 0728 D letoT		
04 11 25	11:05	Soil	BS25-10 1'	1, 4oz jar			×	×		×				
04 11 25	11:10	Soil	BS25-11 1'	1, 4oz jar			×	×		×				
04.11.25	11:20	Soil	WS25-01 0-1'	1. 4oz jar			×	×		×				
04.11.25	11:35	Soil	WS25-04 0-1'	1, 4oz jar			×	×		×				
04.11.25	13:00	Soil	WS25-06 0-4'	1, 4oz jar			×	×		×			-	
04.11.25	13:05	Soil	WS25-07 0-4'	1, 4oz jar			×	×	-	×				
Date: Time:		Relinquish	Relinquished by	C NAMA A	Via:	4 Star Time	Rema	Remarks: ATTN Jim Raley Direct bill to Devon work o	N Jim F evon w	aley ork ord	er 1006	Remarks: ATTN Jim Raley Direct bill to Devon work order 1006092001 Jim Raley	Raley	
Date: 4 15/75	IS/25 19 00	α.	> (1001)	Received by	Via. Dunce	Date Time	kstall and L	ings@ve Pullman	wertexres (@verte)	ource.c	om, SM om, SM ce.con	cc. permaningvertexresource.com, scarttargvertexresource.com, kstallings@vertexresource.com, SMcCarty@vertexresource.com, and LPullman@vertexresource.com for Final Report	texreso port	urce.com,
	f necessary	samples sut	Envi	ontracted to other a	iccredited laboratorie	is. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	idissod sin	ity. Any sut	o-contracte	d data will	be clearl	y notated on the a	nalytical re	bort

Login Sample Receipt Checklist

Client: Vertex

Login Number: 23304 List Number: 1

Creator: Casarrubias, Tracy

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	

List Source: Eurofins Albuquerque

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

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QUESTIONS

Action 456341

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	456341
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1815052591
Incident Name	NAB1815052591 TODD 36 D STATE #002 @ 30-015-27365
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-27365] TODD 36 D STATE #002

Location of Release Source

Please	answer	all the	questions	in this	group.	

Site Name	TODD 36 D STATE #002
Date Release Discovered	05/10/2018
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 7 BBL Lost: 1 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

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QUESTIONS	(continued)	1
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Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	456341
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative or actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/28/2025	

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QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	456341
	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 approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (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 the appropriate district office no later than 90 days after the release discovery date.		
Yes		
sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
2400		
43000		
26000		
0		
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.		
03/24/2025		
06/24/2025		
06/24/2025		
431		
28		
1900		
90		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 456341

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Action 456341

QUESTIONS (continued)		
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 456341	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

Remediation Plan (continued)

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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
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)	Νο
(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 eff which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface 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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/27/2025

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 (continued)

Operator:	OGRID:
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	[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	Νο

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QUESTIONS (continued)

Operator:	OGRID:
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	450285
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/11/2025
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	1500

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all r	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	981
What was the total volume (cubic yards) remediated	1578
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	598
What was the total volume (in cubic yards) reclaimed	45
Summarize any additional remediation activities not included by answers (above)	Material on pad within closure criteria was not remediated.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
o report and/or file certain release notifications and perform corrective actions for relea he OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required 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 rt does not relieve the operator of responsibility for compliance with any other federal, state, or tially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
I hereby acree and sign off to the above statement	Name: James Raley Title: EHS Professional

	Name: James Raley
I hereby agree and sign off to the above statement	Title: EHS Professional
Thereby agree and sign on to the above statement	Email: jim.raley@dvn.com
	Date: 04/28/2025

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QUESTIONS (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

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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Action 456341

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	456341
	Action Type:
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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure is approved. Reclamation for all areas off pad, and in pasture, must be completed to reclamation, which includes the polygon area with sample points: WS25-05, BS25-08, BS25-07, BS25-06, WS25-07 and WS25-06. Please submit a reclamation report for that area in 30 days from receipt of this approval.	6/26/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/26/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/26/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	6/26/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/26/2025
michael.buchanan	Please utilize the alternative report form to submit the reclamation & revegetation reports for the pasture portion of the incident.	6/26/2025

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