

Incident Number: nAPP2317136603

Amended Release Assessment and Closure

Hackberry 18 Federal 2 Battery

Unit C, Section 18, Township 19 South, Range 31 East

Facility ID: fAPP2202048047

County: Eddy

Vertex File Number: 23E-03903

Prepared for:

Devon Energy Production Company, LP

Prepared by:

Vertex Resource Services Inc.

Date:

September 2025

Devon Energy Production Company, LP

Hackberry 18 Federal 2 Battery

Amended Release Assessment and Closure September 2025

Release Assessment and Closure
Hackberry 18 Federal 2 Battery
Unit C, Section 18, Township 19 South, Range 31 East
Facility ID: fAPP2202048047

County: Eddy

Prepared for:

Devon Energy Production Company, LP 6488 Seven Rivers Highway

Artesia, New Mexico 88210

New Mexico Oil Conservation Division

508 West Texas Avenue Artesia, New Mexico 88210

Prepared by:

Vertex Resource Services Inc.

3101 Boyd Drive

Carlsbad, New Mexico 88220

September 26, 2025

Date

Stephanie McCarty, B.Sc.

ENVIRONMENTAL SPECIALIST, REPORTING

Stephanie McCarty

Kent Stallings, P.G.

PROJECT MANAGER, REPORT REVIEW

Kent Stallings

September 26, 2025

Date

Devon Energy Production Company, LP Hackberry 18 Federal 2 Battery

Amended Release Assessment and Closure September 2025

Table of Contents

1.0 Introduction	1
2.0 Incident Description	1
3.0 Site Characteristics	1
4.0 Closure Criteria Determination	2
5.0 Remedial Actions Taken	4
5.1 Characterization and Remediation	4
5.2 Closure Denial and Additional Sampling	
6.0 Reclamation Compliance	6
6.1 Backfill Samples	
6.2 Production Pad Decommission	6
7.0 Revegetation Plan and Monitoring Program	6
7.1 Final Assessment	6
8.0 Remediation and Reclamation Closure Request	6
9.0 References	8
40.01:	

Devon Energy Production Company, LP

Hackberry 18 Federal 2 Battery

Amended Release Assessment and Closure September 2025

In-text Tables

- Table 1. Closure Criteria Determination
- Table 2. Closure Criteria for Soils to Remediation & Reclamation Standards

List of Figures

- Figure 1. Characterization Sampling Schematic
- Figure 2. Confirmation Sampling Location Schematic
- Figure 3. Confirmation Sampling Location Schematic

List of Tables

- Table 3. Characterization Sample Field Screen and Laboratory Results Depth to Groundwater 51 100 feet bgs
- Table 4. Confirmation Sample Field Screen and Laboratory Results Depth to Groundwater 51 100 feet bgs

List of Appendices

Appendix A. NMOCD C-141 Report

Appendix B. Closure Criteria Research Documentation

Appendix C. Daily Field Reports

Appendix D. Notifications

Appendix E. Laboratory Data Reports and Chain of Custody Forms

Devon Energy Production Company, LP Hackberry 18 Federal 2 Battery Amended Release Assessment and Closure September 2025

1.0 Introduction

Devon Energy Production Company, LP (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a produced water release that occurred on June 19, 2023, on-site at Hackberry 18 Federal 2 Battery, Facility ID: fAPP2202048047 (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 June 23, 2023. Incident ID number nAPP2317136603 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 complete 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 June 19, 2023, when a 3-inch poly line developed a pin hole and ruptured, releasing produced water onto the northwest edge of the pad. The incident was reported on June 23, 2023, and involved the release of 8.8 barrels (bbl) of produced water onto the facility pad. During the initial clean-up, 1 bbl of produced water was recovered. Additional details relevant to the release are presented in the C-141 Report (Appendix A).

3.0 Site Characteristics

The site is located approximately 11 miles south-southeast of Loco Hills, New Mexico, at 32.66565861 °N, -103.9104969 °W (Google Inc., 2025). The legal location for the site is Unit C, Section 18, Township 19 South and Range 31 East in Eddy County, New Mexico. The release area is located on federal property. An aerial photograph and characterization sampling site schematic is 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. The following sections specifically describe the release area at the site or in proximity to the constructed pad (Figure 1).

The *Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the surface geology at the site primarily comprises Qep – Eolian and piedmont deposits (Holocene to middle Pleistocene). The soil at the site is characterized as Berino loamy fine sand (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Additional soil characteristics include well drained soil with low runoff and moderate available moisture levels in the soil profile. The karst geology potential for the site is medium (United States Department of the Interior, Bureau of Land Management, 2018). The release occurred prior to the December 1, 2023, updated regulations and should be considered stable area.

Devon Energy Production Company, LP Hackberry 18 Federal 2 Battery Amended Release Assessment and Closure September 2025

The surrounding landscape is associated with plains and fan piedmonts, at elevations of 2,000 to 5,700 feet above sea level. The climate is semiarid with average annual precipitation ranging between 6 and 14 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses with sparse shrubs. Tobosa (*Pleuraphis mutica*), black grama (*Bouteloua eriopoda*), and blue grama (*Bouteloua gracilis*) were the historically dominant species in this area. Overgrazing and extended drought can reduce the black and blue grama grass cover, transitioning into a bare state with little to no ground cover (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

4.0 Closure Criteria Determination

The nearest depth to groundwater reference within 0.5 mile of the site is a dry hole, CP-01907 POD 1, that was drilled on July 13, 2022, to 55 feet (New Mexico Office of the State Engineer, 2025). It is located 2,635 feet east of the site; therefore, the closure criteria for the incident assumes depth to groundwater between 51 and 100 feet below ground surface (bgs). The nearest active well to the site is a prospecting well 5,249 feet to the south-southwest (New Mexico Office of the State Engineer, 2025).

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 7,645 feet southwest 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. Information pertaining to the closure criteria determination is summarized in Table 1 and references are included in Appendix B.

Amended Release Assessment and Closure September 2025

Hackberry 18 Federal 2 Battery

II Coor	e: Hackberry 18 Federal 2 Battery dinates: 32.66565861, -103.9104969	X: 602161.56	Y: 3614747.11		
	ific Conditions	Value	Unit		
	Depth to Groundwater (nearest reference)	>55	feet		
4		2,635	feet		
1	Distance between release and nearest DTGW reference	0.50	miles		
	Date of nearest DTGW reference measurement	July	y 13, 2022		
2	Within 300 feet of any continuously flowing watercourse	7,645	feet		
	or any other significant watercourse	7,045	1000		
3	Within 200 feet of any lakebed, sinkhole or playa lake	4,772	feet		
	(measured from the ordinary high-water mark)	<u> </u>			
4	Within 300 feet from an occupied residence, school,	18,007	feet		
	hospital, institution or church i) Within 500 feet of a spring or a private, domestic fresh				
	water well used by less than five households for	7,953	feet		
5	domestic or stock watering purposes, or	7,555	leet		
			_		
	ii) Within 1000 feet of any fresh water well or spring	5,249	feet		
	Within incorporated municipal boundaries or within a				
6	defined municipal fresh water field covered under a				
	municipal ordinance adopted pursuant to Section 3-27-3	No	(Y/N)		
	NMSA 1978 as amended, unless the municipality				
	specifically approves				
7	Within 300 feet of a wetland	4,936	feet		
	Within the area overlying a subsurface mine	No	(Y/N)		
8	Distance between release and nearest registered mine	18,608	feet		
	Distance Services Conserved and New Services Conserved American	10,000			
			Critical		
	Within an unstable area (Karst Map)	Medium	High		
9			Medium		
			Low		
	Distance between release and nearest unstable area	1,801	feet		
	Within a 100-year Floodplain	>500	year		
10	Distance between release and nearest FEMA Zone A (100-				
	year Floodplain)	11,338 ft	feet		
11	Soil Type	Loamy fine sa	and, sandy clay loam		
12	Ecological Classification		Loamy		
13	Geology	Eolian and piedmont deposits			
			<50'		
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	51-100'		
	1 ' '	ĺ	>100'		

The closure criteria for the release area 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 for pad and "pasture".

Table 2. Closure Criteria for Soils to Remed	diation & Reclamation	Standards
Minimum depth below any point within the horizontal boundary of the release to groundwater	Constituent	Limit
less than 10,000 mg/l TDS		
0-4 feet bgs (19.15.29.13)	Chloride	600 mg/kg
0 4 (cct bg3 (15.13.25.13)	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
	ВТЕХ	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

5.1 Characterization and Remediation

Characterization of the release and surrounding area was completed by Vertex between August 18, 2023, and August 5, 2025. The characterization scope extended west beyond the immediate edges of the release staining to complete horizontal delineation. The impacted area was determined to cover approximately 6,616 square feet based on final characterization results as shown on Figure 1. Characterization field screening and laboratory results are summarized in Table 3. Daily field reports (DFRs) documenting characterization are included in Appendix C.

Remediation efforts began on December 14, 2023, and were finalized on August 8, 2025. Vertex personnel supervised the excavation of impacted soils. Field screening was conducted and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and electroconductivity meter (chlorides). Field screening results were used to identify areas requiring further remediation. Based on characterization and field screening results, contaminated material was removed through excavation to 0.5, 1.0, 2 and 4.1 feet bgs over the release area. The DFRs documenting various phases of remediation are included in Appendix C.

Corrections were made to sample nomenclature from CS24-/CWS24- to a more conformed standard of BS24-/WS24- in laboratory data report 885-9078-1, and sample BS24-13 was corrected to BS24-13 0.5' (Appendix C, Pg. 93; Appendix E, Report 885-9078-1).

Amended Release Assessment and Closure September 2025

Notifications that confirmatory samples were being collected were provided to the NMOCD as required 48 hours before each sampling event (Appendix D). Confirmatory composite samples were collected from the walls and samples of the base of the excavation in increments of no greater than 200 square feet. The total areas of the excavation bases and walls were approximately 3,383 and 973 square feet, respectively. A total of 17 excavation base samples and 12 excavation wall samples, and three backfill samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Eurofins or Hall Environmental Analysis 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 4, respectively. Laboratory data reports are included in Appendix E.

Laboratory results for chloride (1,090 ppm) for excavation wall sample WES24-11 exceeded NMOCD strictest criterion, as presented in Table 4. Notification that an additional confirmation sample was being collected from the excavation wall was provided to the NMOCD on March 10, 2025, and confirmation sample WES24-11 was re-collected on March 14, 2025. The DFRs describing additional sampling are presented in Appendix C. Laboratory results are presented in Table 4.

5.2 Closure Denial and Additional Sampling

Devon submitted the initial closure report to the NMOCD on April 28, 2025. The initial request was denied on May 9, 2025, with following notations:

"The Remediation Closure Report is Denied. Collect 5-point confirmation samples every 200 ft2 throughout the entire release area and not just at delineation sample point locations that show contaminants over closure criteria standards. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined, especially around equipment. All off pad areas must meet reclamation standards in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed."

Investigation of remaining impacted soils include reassessment and remediation by excavation, as shown in Figure 3, to closure criteria detailed in Table 2.

Notifications that confirmatory samples were being collected were provided to the NMOCD on August 5, 2025. Confirmation samples BES25-18 through BES25-38 and WES25-13 through WES25-22 were collected on August 7 and 8, 2025, in increments no greater than 200 square feet. The additional samples were collected from the pad surface within the area of impact outside the previously excavated remediation areas. Sample point locations and corresponding laboratory results are presented on Figure 3 and Table 4. The DFRs describing additional confirmation

Devon Energy Production Company, LP Hackberry 18 Federal 2 Battery Amended Release Assessment and Closure September 2025

sampling are presented in Appendix C. All final confirmation samples collected and analyzed were below Table 2 closure criteria for the site.

6.0 Reclamation Compliance

6.1 Backfill Samples

The location was backfilled upon the completion of remediation. Three samples of the backfill were collected on August 20, 2025, and analyzed for contaminants regulated in NMAC 19.15.29.12 Table 1 by Envirotech, Inc. Laboratory analysis of the original backfill material determined that it met the applicable reclamation standards. Laboratory results are presented in Table 4.

6.2 Production Pad Decommission

The production well is plugged and pad will be decommissioned with all oil and gas production related equipment removed from the location and the former caliche production pad ripped. The rip area will cover the incident area and will be contoured to match the surrounding topography. The reclamation plan for the production pad will be submitted in an independent report from this remediation assessment and closure.

7.0 Revegetation Plan and Monitoring Program

The seeding of the incident, per the landowners' guidelines, will occur as a part of the reclamation at the time of decommissioning of the production pad. Post seeding, bi-annual inspections will be conducted during the growing season to monitor site progression and assess the need for any additional best management practices (BMPs). Inspections will include photographs of the site and BMPs implemented.

7.1 Final Assessment

During the bi-annual inspections, if site conditions are at or nearing background conditions, a final revegetation report will be completed. The report will provide a summary of restoration work performed, a summary and interpretation of monitoring data collected, and interpretation of historical monitoring data, if applicable.

8.0 Remediation and Reclamation Closure Request

Vertex recommends no additional remediation or reclamation action to address the release at Hackberry 18 Federal 2 Battery. Additional confirmation sampling of the greater release area was conducted per NMOCD request. Laboratory analyses of the final confirmatory samples showed constituent of concern concentration levels below NMOCD closure criteria for areas where depth to groundwater is between 51 and 100 feet bgs as shown in Table 2. There are no anticipated risks to human, ecological or hydrological receptors associated with the release site. The excavation was backfilled with non-waste-containing, uncontaminated, earthen material, sourced locally, and placed to meet the site's existing grade to prevent ponding of water and erosion.

Vertex requests that the incident (nAPP2317136603) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Devon certifies that all information in this report and the attachments is correct, and that they have complied with all applicable closure requirements and conditions specified in Division rules and

Devon Energy Production Company, LP Hackberry 18 Federal 2 Battery Amended Release Assessment and Closure September 2025

directives to meet NMOCD requirements to obtain closure on the June 19, 2023, release at Hackberry 18 Federal 2 Battery.

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

9.0 References

- Google Inc. (2025). Google Earth Pro (Version 7.3.3) [Software]. Retrieved from https://earth.google.com
- New Mexico Bureau of Geology and Mineral Resources. (2025). *Interactive Geologic Map*. Retrieved from https://maps.nmt.edu/
- New Mexico Energy, Minerals and Natural Resources Department. (2025). *OCD Permitting Spill Search*. Retrieved from https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/Data/Spills/Spills.aspx
- New Mexico Office of the State Engineer. (2025). *New Mexico Water Rights Reporting System*. Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html
- New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.
- United States Department of Agriculture, Natural Resources Conservation Service. (2025). *Web Soil Survey*. Retrieved from https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
- United States Department of Homeland Security, Federal Emergency Management Agency. (2025). *FEMA Flood Map Service: Search by Address*. Retrieved from https://msc.fema.gov/portal/search?AddressQuery=malaga% 20new%20mexico#searchresultsanchor
- United States Department of the Interior, Bureau of Land Management. (2018). *New Mexico Cave/Karst*. Retrieved from https://www.nm.blm.gov/shapeFiles/cfo/carlsbad_spatial_data.html
- United States Fish and Wildlife Service. (2025). *National Wetland Inventory Surface Waters and Wetlands*. Retrieved from https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/
- United States Geological Survey. (2025). *National Water Information System: Web Interface*. Retrieved from https://waterdata.usgs.gov/nwis

Devon Energy Production Company, LP Hackberry 18 Federal 2 Battery Amended Release Assessment and Closure September 2025

10.0 Limitations

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

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

FIGURES

Client Name: Devon Energy Production Company, LP

Site Name: Hackberry 18 Federal 2 Battery NMOCD Tracking #: nAPP2317136603

Project #: 23E-03903

Lab Reports: 2308F22, 2308F19, 2308F20, 885-30424, 885-13299 and 885-21910

Tabl		rization Sample Field S	creen and	Laborato				/ater 51 - :	100 feet b	gs
	Sample Desc	cription			Petrole	um Hydro				
			Vol	atile			Extractable	2		Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene (mg/kg)	BTEX (Total)	Gasoline Range স্ব Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range	(GRO + DRO)	Total Petroleum	Chloride
	0	August 10, 2022								
BH23-01	2	August 18, 2023 August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND 320
	0	,	ND ND	ND ND	ND	21	ND	21	21	
BH23-02	2	August 18, 2023 August 18, 2023	ND ND	ND ND	ND ND	ND	ND ND	ND	ND	880 550
	0	August 18, 2023	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	2400
BH23-03	2	August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	430
	0	August 18, 2023	ND	ND ND	ND	ND	ND	ND	ND	1000
BH23-04	2	August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	280
BH23-05	0	August 18, 2023	ND	ND	ND	ND	ND	ND	ND	3500
	2	August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	1400
BH23-06	0	August 18, 2023	ND	ND	ND	ND	ND	ND	ND	
	2	August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	260 250
	0	August 18, 2023								
BH23-07	2	August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	0	August 18, 2023	ND	ND ND	ND	ND	ND	ND	ND	ND
BH23-08	2	August 18, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	0									
BH23-09	2	August 19, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	110 300
	0	August 19, 2023								
BH23-10		August 19, 2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	120 180
	2	August 19, 2023								
BH23-11	2	August 19, 2023	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	2300
		August 19, 2023	ND ND	ND ND	ND ND	2700	3500	2700	6200	1000 8200
	2	August 19, 2023 August 19, 2023	ND ND	ND ND	ND ND	ND	ND	ND	ND	300
BH23-12	3.5	August 19, 2023	ND ND	ND ND	ND	210	220	210	430	830
	4	August 19, 2023	ND	ND	ND	13	ND	ND	ND	540
	0	August 19, 2023	ND	ND	ND	4900	3700	4900	8600	9200
BH23-13	1	August 19, 2023	ND	ND	ND	ND	ND	ND	ND	320
	4	August 19, 2023	ND	ND	ND	12	ND	12	12	330
	0	August 19, 2023	ND	ND	ND	230	180	230	410	2100
BH23-14	2	August 19, 2023	ND	ND	ND	80	62	80	142	2200
DU122 45	0	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	84
BH23-15	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	860



Client Name: Devon Energy Production Company, LP

Site Name: Hackberry 18 Federal 2 Battery NMOCD Tracking #: nAPP2317136603

Project #: 23E-03903

Lab Reports: 2308F22, 2308F19, 2308F20, 885-30424, 885-13299 and 885-21910

	Compile D	autotia a	Screen and Laboratory Results - Depth to Groundwater 51 - 100 feet b Petroleum Hydrocarbons							
	Sample Desc	cription	1/.1	atile	Petrole					lnaue
			Vois	atile			Extractable		ТРН)	Inorgani
Sample ID	Depth (ft)	Sample Date	Benzene Benzene (mg/kg)	(gg/gg)	ട്ട് Gasoline Range ജ Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Sp. Organics (MRO)	(mg/kg)	ට Total Petroleum සි Hydrocarbons (TPH)	B Chloride (8)/Concentration
	0	August 20, 2023	ND	ND	ND	100	140	100	240	1300
	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	1900
	4.1	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	2100
	5	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	1700
	6	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	2400
BH23-16	7	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	2200
	8	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	1200
	9	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	1100
	10	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	730
	11	August 5, 2025	ND	ND	ND	ND	ND	ND	ND	230
	12	August 5, 2025	ND	ND	ND	9.6	ND	9.6	9.6	110
BH23-17	0	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	ND
B1123 17	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-18	0	August 20, 2023	ND	ND	ND	340	250	340	590	5000
	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	550
	3	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	180
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	1100
	0	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	200
DU22 40	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	860
BH23-19	3	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	120
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	4400
DU22 20	0	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	5000
BH23-20	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	1600
DU22 24	0	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	540
BH23-21	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	620
DU122 22	0	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	97
BH23-22	2	August 20, 2023	ND	ND	ND	ND	ND	ND	ND	220
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-27	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	100
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	800
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-28	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	140
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	92
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-29	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	150
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	110
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-30	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	110
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	130
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-31	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	130
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	66



Client Name: Devon Energy Production Company, LP

Site Name: Hackberry 18 Federal 2 Battery NMOCD Tracking #: nAPP2317136603

Project #: 23E-03903

Lab Reports: 2308F22, 2308F19, 2308F20, 885-30424, 885-13299 and 885-21910

Tabl	e 3. Characte	rization Sample Field S	creen and	Laborato	ry Results	- Depth to	Groundy	ater 51 - :	100 feet b	gs
	Sample Desc	cription			Petrole	um Hydro	arbons			
			Vol	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-32	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	96
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	110
	0	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-33	2	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	4.1	October 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	0	March 20, 2025	ND	ND	ND	ND	ND	ND	ND	100
BH25-34	2	March 20, 2025	ND	ND	ND	ND	ND	ND	ND	61
	4	March 20, 2025	ND	ND	ND	ND	ND	ND	ND	83

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

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



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

Client Name: Devon Energy Production Company, LP Site Name: Hackberry 18 Federal 2 Battery NMOCD Tracking #: nAPP2317136603

Project #: 23E-03903

Lab Reports: 885-9078, E410229, 885-21619, 885-30424, 885-30633 and E508228

			able 4. Coı	nfirmation	Sample F	ield Screer	and Labo	ratory Res					
	Sample Desc	cription	Fi	eld Screeni	ng			Petrol	eum Hydrod				
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics extra (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration gas
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			(-	(((((((((((((((((((((PP)			roundwater			(6)	[(6)6)	(6)
					Base	Samples							
BS24-01	2	July 23, 2024	-	-	-	ND	ND	ND	19	ND	19	19	170
BS24-02 BS24-03	2	July 23, 2024 July 23, 2024	-	-	-	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	140 82
BS24-03	2	July 23, 2024 July 23, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	67
BS24-05	2	July 23, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND
BS24-06	2	July 23, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	160
BS24-07	1	July 23, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND
BS24-08	1	July 23, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	130
BS24-09	0.5	July 23, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	190
BS24-10	0.5	July 23, 2024	-	-	-	ND	ND	ND ND	ND 10	ND	ND 10	ND 10	84
BS24-11 BS24-12	0.5 0.5	July 23, 2024 July 23, 2024	-	-	-	ND ND	ND ND	ND ND	18 ND	ND ND	18 ND	18 ND	250 ND
BS24-12 BS24-13	0.5	July 23, 2024 July 23, 2024	-	-	-	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
BES24-14	4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	298
BES24-15	4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	213
BES24-16	4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	670
BES24-17	4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	133
BES25-18	4.1	August 7, 2025	-	49	2,455	ND	ND	ND	ND	ND	ND	ND	1,300
BES25-19	2	August 7, 2025	-	24	350	ND	ND	ND	ND	ND	ND	ND	94
BES25-20 BES25-21	2	August 7, 2025	-	56 27	400 200	ND	ND	ND	ND	ND ND	ND ND	ND	170 ND
BES25-21 BES25-22	2	August 7, 2025 August 7, 2025	-	33	550	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	160
BES25-23	2	August 7, 2025	-	34	550	ND	ND	ND	ND	ND	ND ND	ND	140
BES25-24	4.1	August 7, 2025	-	23	1,003	ND	ND	ND	ND	ND	ND	ND	520
BES25-25	4.1	August 7, 2025	-	54	3,012	ND	ND	ND	ND	ND	ND	ND	1,700
BES25-26	4.1	August 7, 2025	-	34	1,425	ND	ND	ND	ND	ND	ND	ND	720
BES25-27	4.1	August 7, 2025	-	48	685	ND	ND	ND	ND	ND	ND	ND	440
BES25-28	4.1	August 7, 2025	-	56	1,606	ND	ND	ND	ND	ND	ND	ND	930
BES25-29	4.1	August 7, 2025	-	53	3,253	ND	ND	ND	ND	ND	ND	ND	980
BES25-30 BES25-31	4.1 4.1	August 8, 2025 August 8, 2025	-	56 64	3,306 3,244	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	1,500 2,000
BES25-32	4.1	August 8, 2025	-	36	2,423	ND	ND	ND	ND	ND	ND	ND	1,200
BES25-33	4.1	August 8, 2025	-	40	4,155	ND	ND	ND	ND	ND	ND	ND	2,200
BES25-34	4.1	August 8, 2025	-	51	4,136	ND	ND	ND	ND	ND	ND	ND	2,600
BES25-35	4.1	August 8, 2025	-	44	3,559	ND	ND	ND	ND	ND	ND	ND	2,000
BES25-36	4.1	August 8, 2025	-	56	2,571	ND	ND	ND	ND	ND	ND	ND	1,400
BES25-37	4.1	August 8, 2025	-	43	1,871	ND	ND	ND	ND	ND	ND	ND	1,100
BES25-38 BES25-39	4.1	August 8, 2025	-	42	2,234	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND	1,100 2,200
BES25-39 BES25-40	4.1 4.1	August 8, 2025 August 8, 2025	-	41 37	3,572 5,379	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	3,700
BES25-40 BES25-41	4.1	August 8, 2025	-	54	2,931	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	1,500
BES25-42	4.1	August 8, 2025	-	43	2,947	ND	ND	ND	ND	ND	ND	ND	1,400
BES25-43	4.1	August 8, 2025	-	30	2,499	ND	ND	ND	ND	ND	ND	ND	1,300
BES25-44	4.1	August 8, 2025	-	51	1,545	ND	ND	ND	ND	ND	ND	ND	900
BES25-45	4.1	August 8, 2025	-	52	2,326	ND	ND	ND	ND	ND	ND	ND	1,100
14/62 4 2 :		L.L. 22. 222.	1	ı	Wall	Samples			1.0		1 40	1 10	100
WS24-01	0-2	July 23, 2024	-	-	-	ND	ND ND	ND ND	19 ND	ND ND	19 ND	19 ND	130 91
WS24-02 WS24-03	0-2 0-0.5	July 23, 2024 July 23, 2024	-	-	-	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	91 ND
WS24-03	0-0.5	July 23, 2024 July 23, 2024	-	-	-	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND
WES24-05	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	151
WES24-06	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	245
WES24-07	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	102
WES24-08	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	128
WES24-09	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	112
WES24-10	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	293



Client Name: Devon Energy Production Company, LP Site Name: Hackberry 18 Federal 2 Battery

NMOCD Tracking #: nAPP2317136603

Project #: 23E-03903

Lab Reports: 885-9078, E410229, 885-21619, 885-30424, 885-30633 and E508228

		Ta	able 4. Cor	nfirmation	Sample F	ield Screer	and Labo	ratory Res	ults				
	Sample Des	cription	Fi	eld Screeni	ng			Petrole	eum Hydrod	arbons			
			g			Vol	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Depth to Groundwater 51-100 feet bgs										
WES24-11	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	1,090
	1 4.1	March 14, 2025	-	9	300	ND	ND	ND	ND	ND	ND	ND	110
WES24-12	1-4.1	October 17, 2024	-	-	-	ND	ND	ND	ND	ND	ND	ND	167
WES25-13	0-4.1	August 7, 2025	-	44	550	ND	ND	ND	ND	ND	ND	ND	300
WES25-14	0-4.1	August 7, 2025	-	36	525	ND	ND	ND	ND	ND	ND	ND	220
WES25-15	0-2	August 7, 2025	-	40	300	ND	ND	ND	ND	ND	ND	ND	76
WES25-16	0-2	August 7, 2025	-	76	400	ND	ND	ND	ND	ND	ND	ND	73
WES25-17	0-4.1	August 7, 2025	-	38	500	ND	ND	ND	ND	ND	ND	ND	130
WES25-18	0-4.1	August 7, 2025	-	42	475	ND	ND	ND	ND	ND	ND	ND	160
WES25-19	0-4.1	August 7, 2025	-	38	550	ND	ND	ND	ND	ND	ND	ND	180
WES25-20	0-4.1	August 7, 2025	-	35	525	ND	ND	ND	ND	ND	ND	ND	170
WES25-21	0-4.1	August 7, 2025	-	30	525	ND	ND	ND	ND	ND	ND	ND	160
WES25-22	0-4.1	August 7, 2025	-	34	500	ND	ND	ND	ND	ND	ND	ND	120
					В	ackfill							
SS25-01	0	August 20, 2025	-	0	0	ND	ND	ND	ND	ND	ND	ND	89
SS25-02	0	August 20, 2025	-	1	0	ND	ND	ND	ND	ND	ND	ND	106
SS25-03	0	August 20, 2025	-	0	1	ND	ND	ND	ND	ND	ND	ND	114

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

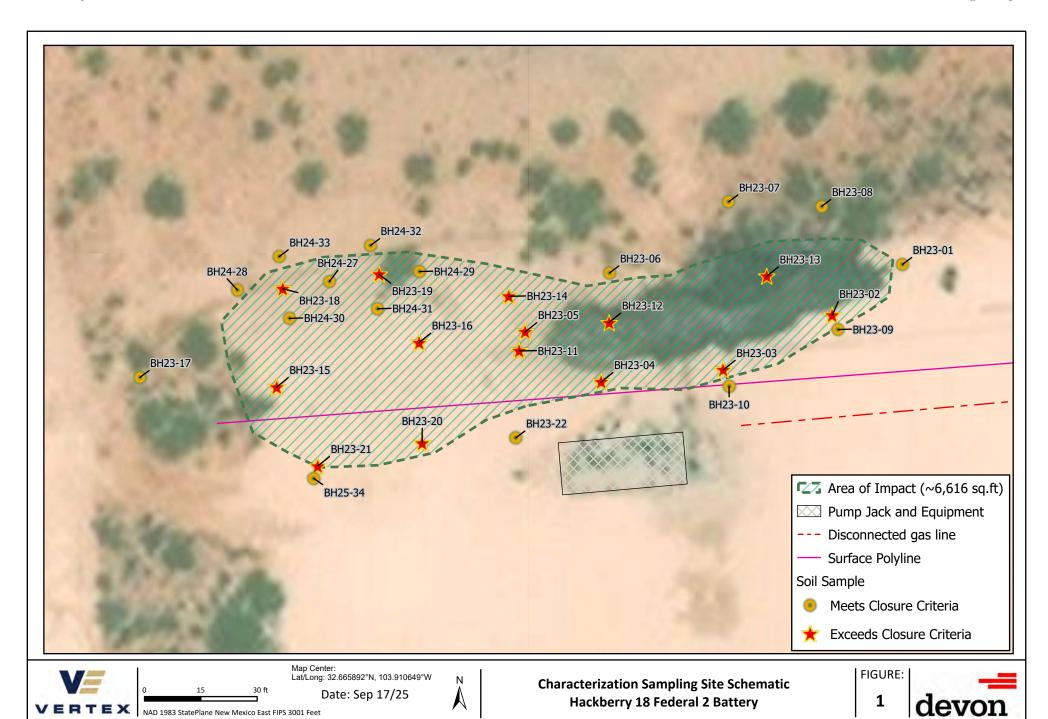
Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Closure Criteria
Bold and blue shaded indicates re-collected sample results inside NMOCD Reclamation Closure Criteria



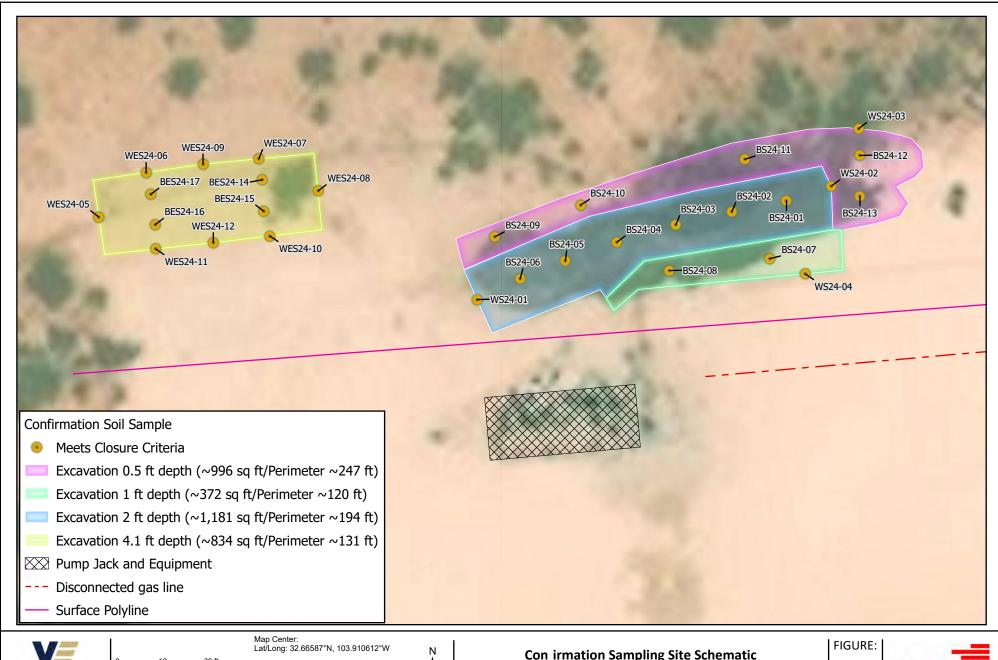
[&]quot;-" indicates not analyzed/assessed

TABLES



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

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





20 ft NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Date: Sep 20/25

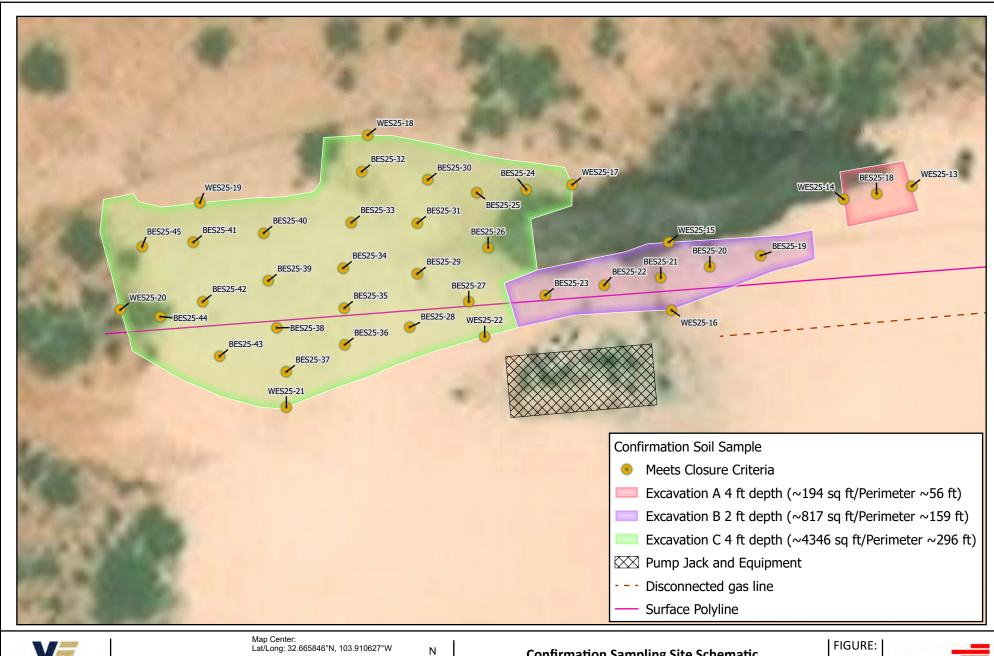
Con irmation Sampling Site Schematic Hackberry 18 Federal 2 Battery

2



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for

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





NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Date: Sep 18/25

Confirmation Sampling Site Schematic Hackberry 18 Federal 2 Battery

3



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for

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

APPENDIX A - NMOCD C-141 Report

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party			OGRID	OGRID					
Contact Nam	ie			Contact Te	elephone					
Contact emai	1			Incident #	Incident # (assigned by OCD)					
Contact mail	ing address			1						
			Location	of Release So	ource					
Latitude Longitude										
			(NAD 83 in dec	cimal degrees to 5 decin	nal places)					
Site Name				Site Type						
Date Release	Discovered			API# (if app	olicable)					
Unit Letter	Section	Township	Range	Coun	nts.					
Omi Letter	Section	Township	Kange	Cour	ity					
Surface Owner	r: State	☐ Federal ☐ Tr	ibal Private (A	Vame:)				
			Nature and	l Volume of I	Release					
Crude Oil		(s) Released (Select all Volume Release		calculations or specific	Volume Recov	volumes provided below) vered (bbls)				
Produced		Volume Release	` '		Volume Recov	` '				
Troduced			ion of total dissol	ved solids (TDS)	Yes No	` '				
		in the produced v	water >10,000 mg							
Condensa	te	Volume Release	d (bbls)		Volume Recov	vered (bbls)				
Natural G	as	Volume Release	d (Mcf)		Volume Recov	vered (Mcf)				
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weig	ht Recovered (provide units)				
Cause of Rele	ease									

Received by OCD: 9/29/2025 1:12:38 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

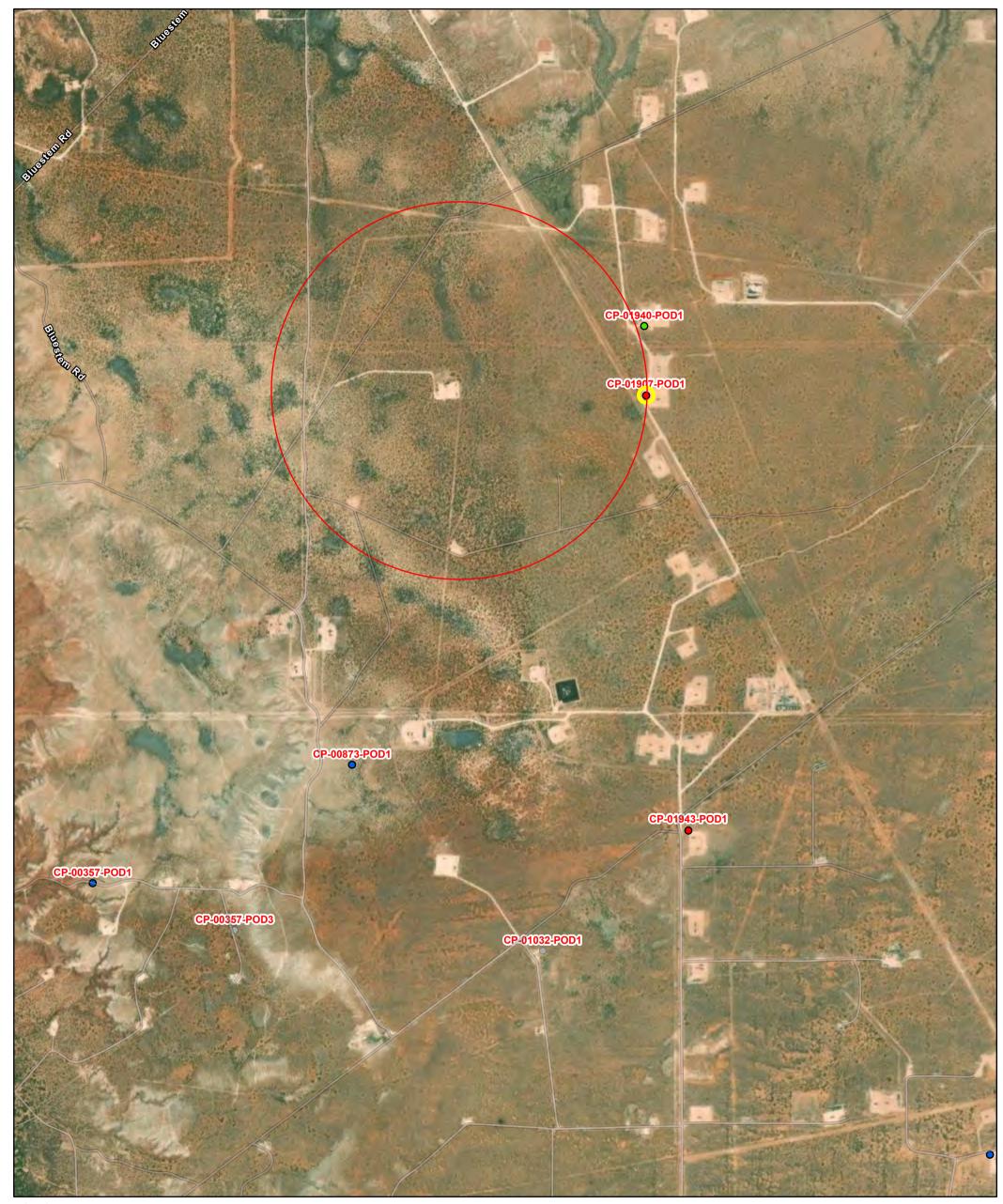
Page	26	ni	٤5	n	R
I use	M U	v_{J}		•	v

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	sible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
Tr TES, was ininicatate in	side given to the GCB. By whom. To wi	oni. When and by what means (phone, eman, etc).
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area has	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or c	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environm failed to adequately investigations.	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a thre	pest of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger ICD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Dale W		Title: Env. Professional
Signature: Dale U	oodall	Date:
email:dale.woodall@d	vn.com	Telephone: 575-748-1838
OCD Only		
Received by: Shelly	Wells	Date: <u>6/23/2023</u>

APPENDIX B – Closure Criteria Research Documentation

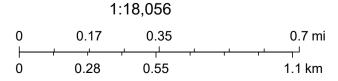
OSE POD 0.5 miles



3/18/2025, 1:33:56 PM GIS WATERS PODs

- Active
- Pending
- Plugged

OSE District Boundary



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

Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water	(R=POD has been replaced, O=orphaned, C=the file is				ers are									4.6.0	4.6.0	4.5.0
right file.) POD Number	closed)	Sub basin	County		est to lar	gest)	Sec	Tws	Range	(NAD83 UTN	Y in meters)	Мар	Distance	(In feet) Well Depth	(In feet) Depth Water	(In feet) Water Column
<u>CP 01907 POD1</u>		СР	ED	SE	NE	NE	18	195	31E	603017.2	3614737.1	•	855			
<u>CP 00873 POD1</u>		СР	LE		NW	NW	19	195	31E	601772.0	3613147.0 *	•	1646	340	180	160
<u>CP 01943 POD1</u>		СР	ED	NW	SW	NW	20	195	31E	603217.4	3612883.9	•	2141	55		
<u>CP 01985 POD1</u>		СР	ED	NE	SE	NE	17	195	31E	604666.5	3614438.3	•	2523	55		
<u>CP 00357 POD1</u>		СР	ED	SE	SE	NW	24	195	30E	600667.0	3612631.0 *	•	2590	630		
<u>CP 00357 POD2</u>		СР	ED	SE	SW	NW	24	195	30E	600265.0	3612627.0 *	•	2844	630		
<u>CP 00722 POD2</u>		СР	ED	NE	NW	NW	25	195	30E	600276.0	3611620.0 *	•	3651	350	65	285
CP 00647 POD1	0	СР	ED	SE	NE	NE	15	195	30E	598235.0	3614621.0 *	•	3929	200	92	108
CP 01941 POD1		СР	ED	SW	NE	NE	29	195	31E	604524.2	3611512.8	•	4005	55	54	1
CP 00829 POD1		СР	LE		NE	SE	16	195	31E	606165.0	3614009.0 *	•	4070	120		
CP 00822 POD1		СР	LE		SE	SE	15	195	30E	598148.0	3613516.0 *	•	4198	90		
CP 02011 POD1		СР	ED	SW	SW	SW	10	195	31E	606373.4	3615144.8	•	4230	105		
														Average I	Depth to Wa	ater: 97 fe
														Minimum	Depth: 54	feet
														Maximun	n Depth: 18) feet
																—
Record Count: 12	2															
JTM Filters (in n asting: 602162 Northing: 36147 Radius: 005000																

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

3/18/25 12:47 PM MST Water Column/Average Depth to Water

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | <u>Disclaimer</u> | <u>Contact Us</u> | <u>Help</u> | <u>Home</u> |

* UTM location was derived from PLSS - see Help



NA

New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X Y

19S 31E 603017

614737

Driller License: 1249

Driller Company:

ATKINS ENGINEERING ASSOC. INC.

Driller Name: JAC

JACKIE ATKINS

Drill Finish Date: 07/13/2022

Plug Date:

Drill Start Date: Log File Date: 07/13/2022 08/11/2022

CP 01907 POD1

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

Casing Perforations:

Top Bottom

55

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

0

3/17/24 7:55 AM

POINT OF DIVERSION SUMMARY

Water Right Summary WR File Number: CP 01907 Subbasin: СР **Cross Reference:** get image **Primary Purpose:** MON MONITORING WELL <u>list</u> **Primary Status:** PMT Permit **Total Acres:** Subfile: Header: **Total Diversion:** 0.000 Cause/Case: Owner: **DEVON ENERGY** Owner Class: Owner DALE WOODALL **Contact: Documents on File** (acre-feet per annum) Transaction Status Status Images Trn # File/Act Transaction Desc. From/To Acres Diversion Consumptive LOG CP 01907 POD1 0.000 0.000 _get images 726167 **EXPL** 2022-05-23 PMT **Current Points of Diversion POD Number** Well Tag Source Q64 Q16 Q4 Sec Rng Х Υ **Other Location Desc** Tws CP 01907 POD1 SE NE NE 31E 603017.2 3614737.1 TW-1 * UTM location was derived from PLSS - see Help

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

3/18/25 1:08 PM MST Water Rights Summary

© 2024 New Mexico Office of the State Engineer, All Rights Reserved. | <u>Disclaimer</u> | <u>Contact Us</u> | <u>Help</u> | <u>Home</u> |



NC	OSE POD NO. (W POD 1 (TW-1)		WELL TAG ID NO N/A).		OSE FILE NO(S).					
GENERAL AND WELL LOCATION	WELL OWNER N Devon Energy				PHONE (OPTIONAL) 575-748-1838									
	WELL OWNER M 6488 7 Rivers		ADDRESS		CITY Artesia		STATE NM	88210	ZIP					
	WELL LOCATION (FROM GPS)		TITUDE	GREES 32 103	MINUTES 39 54	55.76 4.95	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84						
1. GENI		RELATIN	NG WELL LOCATION TO 19S R31S NMPM	STREET ADDI	RESS AND COMMO	N LANDMAI	KS – PL	SS (SECTION, TO	WNSHJIP, RANGE) WI	HERE AVA	AILABLE			
	LICENSE NO. 1249		NAME OF LICENSED		Jackie D. Atkins	s			NAME OF WELL DE		OMPANY Associates,	inc.		
	DRILLING STAR 7/13/202		DRILLING ENDED 7/13/2022		MPLETED WELL (F	FI)	BORE HO	LE DEPTH (FT) ±55	20 - 1948년 1월 12일 - 1일					
z	COMPLETED W	ELL IS:	ARTESIAN		STATIC WATER LEVEL IN COMPLETED WELL N/A 7/13/2022, 7/1/2022									
ATIO	DRILLING FLUID: AIR MUD ADDITIVES – SPECIFY:													
FORM	DRILLING METI	-	ROTARY HAMM		Y: 1	Hollow Stem	Auger INSTA	LLED	PITLESS ADA	TIEKIS				
SING IN	DEPTH (feet bgl) FROM TO DIAM (inches)			(include each casing string, and			ASING NECTION FYPE oling diameter)	CASING INSIDE DIAM. (inches)	TH	SING WALL SL HICKNESS SIZ (inches) (inc				
& CA	0	55	±6.5		Boring-HSA				-		-			
2. DRILLING & CASING INFORMATION														
	DEPTH (fee	et bgl)	BORE HOLE	LI	ST ANNULAR S	SEAL MAT	ERIAL .	AND	AMOUNT	1	метно			
ERIAL	FROM	то	DIAM. (inches)	GRAVEL PACK SIZE-RANGE BY INTERV			ERVAL	RVAL (cubic feet) PLACEMENT				
ANNULAR MATERIAL									06E0AV	3112	VZZ POSL			
3. AI														
	R OSE INTERNA			+1-	POD N	0		WR-2	0 WELL RECORD			28/2022)		
-	CATION	17	31.18.42	27	POD N	O. /		WELL TAG I	100	167		1 OF 2		

THICKNESS INCLUDE WATER-BEARING CAVITES OR FRACTURE 20NES BEARING (WATER-BEARING CAVITES OR FRACTURE 20NES (Feet WATER-BEARING CAVITES OR FRACTURE 20NES Feet WATER-BEARING CAVITES OR FRACTURE 20NES (Feet WATER-BEARING CAVITES OR FRACTURE 20NES Feet WATER-BEARING CAVITES OF FRACTURE 20NES Feet WATER-BEARING CAVITES OR FRACTURE 20NES Feet WATER-BEARING CAVITES OF FRACTURE 20NES Feet WATER-BEARING CAVITES OF FRACTURE 20NES Feet WATER		DEPTH (fe	eet bgl)	lu estal!	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED	
29 44 15 Sand, Medium/ Fine grained, poorly graded, with callche Light brown / white Y		FROM	то		INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES	BEARING?	BEARING	
Sand, Medium/ Fine grained, poorly graded, Light brown Y		0	29	29	Sand, Medium/ Fine grained, poorly graded, Light brown	Y √N		
Y N Y N		29	44	15	Sand, Medium/ Fine grained, poorly graded, with caliche Light brown / w	hite Y ✓N		
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HES OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETED OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DESCRIBED HOLE AND THE ADDAYS AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLE		44	55	11	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓N		
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt Pump Cameron Pruitt Cameron Pruitt Construction of Well and the State of Construction of Data (State of Construction Of Construction Of Well and Construction Of Well RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Data Construction Of Construction Of Well and Construction Of Well RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Data Construction Of Construction Of Well Drilling: Construction Of Well RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Construction Of Construction Of Well Drilling: Cameron Pruitt Construction Of Well Drilling: Construction Of Well RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Construction Of Construction Of Well Drilling: Cameron Pruitt Ca						Y N		
Note						Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7	WELL					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7						Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7	OF					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO CP - 9 DT - 1 POD NO. TRN NO. 7 2 6 1 6 7	90					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO CP - 9 DT - 1 POD NO. TRN NO. 7 2 6 1 6 7	ICI					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7	507					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7	EO					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7	ROG					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. C.P 1 POD NO. TRN NO. 7 2 6 1 6 7	E					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO CLY - 1 SOL - 1 POD NO. TRN NO. 7 2 6 1 6 7	4					Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. P 9 D 10 D. 0. TRN NO. 7 2 6 1 6 7						Y N		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: DY N						Y N		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:						Y N		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: DY N						Y N		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: DIMAN						Y N		
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 01/28/2022) FILE NO. C. P. — 9 D. P. D. D. TRN NO. 7 2 6 1 6 7						Y N		
WELL TEST START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 01/28/2022) FILE NO. TRN NO. 7 2 6 1 6 7					0.00			
MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 8/4/2022 FILE NO. P - 9 D - 9 D NO. TRN NO. 7 2/6 1/6 7	7	WELL TEST	TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC	LUDING DISCHARGE	METHOD,	
Shane Eldridge, Cameron Pruitt THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins	; RIG SUPERVISIO	MISCELLAN		FORMATION: To	emporary well material removed and soil boring backfilled using dri clow ground surface(bgs), then hydrated bentonite chips ten feet bgs	ll cuttings from total de to surface.	epth to ten feet	
CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins	5. TEST				RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	STRUCTION OTHER TH	IAN LICENSEE:	
FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 01/28/2022) FILE NO. CP - 1907- POD 1 POD NO. 1 TRN NO. 7 Z 6 1 6 7	6. SIGNATURE	THE UNDER CORRECT R AND THE PI	RSIGNED CECORD CERMIT HO	HEREBY CERTII OF THE ABOVE I OLDER WITHIN 3	DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 50 DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins	8/4/2022		
FILE NO. CP-1907-PODI TW-1 POD NO. 1 TRN NO. 726167	_	J. W. S. A	210/1/11			Annal Table 2417-	E MONES	
			-	2. 2. 4	- Inchica I			
	-		-170			12616		



Hackberry 18 Federal 2 Battery Watercourse 7,645 ft



June 30, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

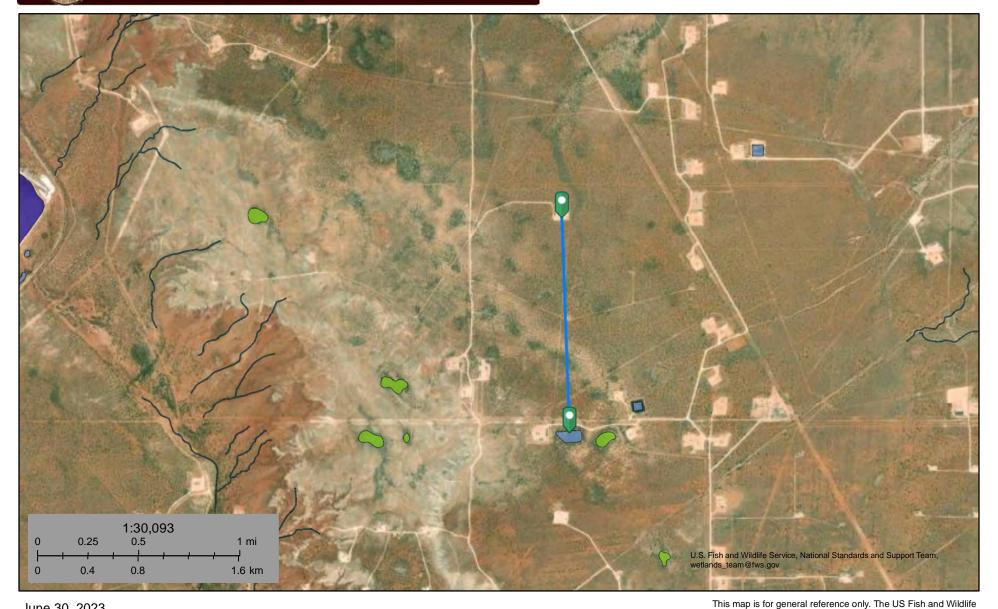
Riverine

Other



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.

03 - Hackberry 18 Fed 2 Battery - Page 35 of 508 Lakebed: 4,772 feet (0.89 miles)



June 30, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

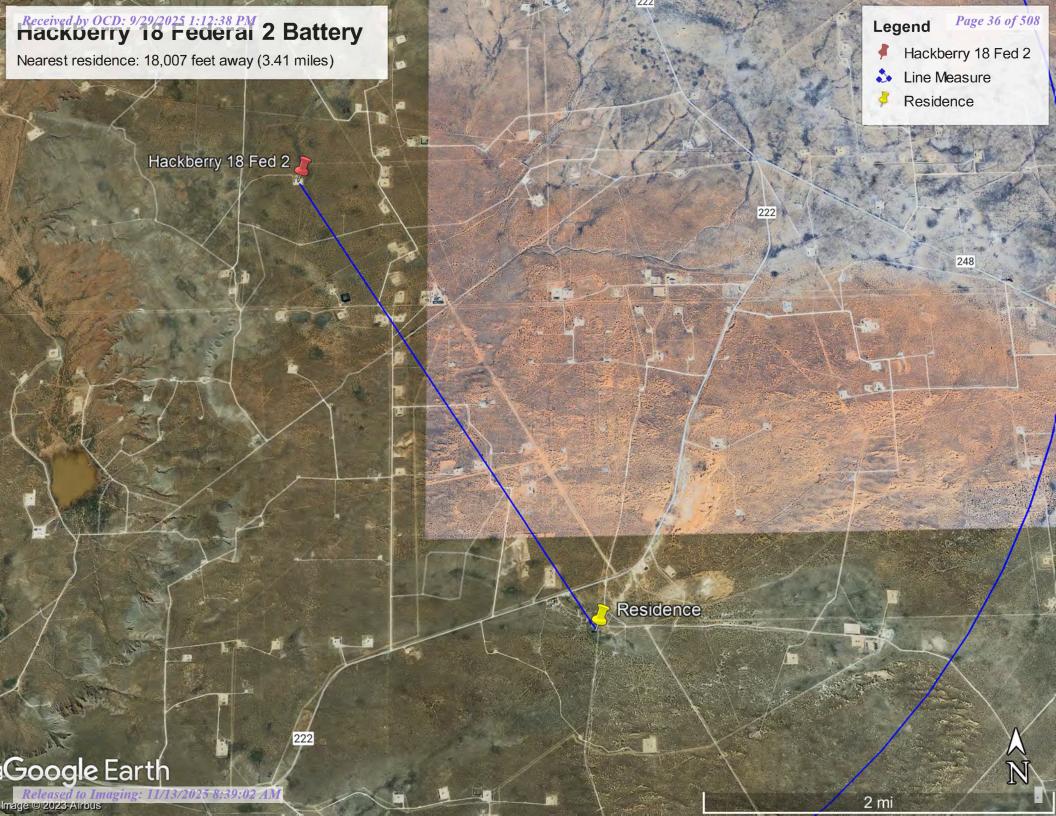
Freshwater Pond

Lake

Other

Riverine

Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Active & Inactive Points of Diversion

(with Ownership Information)

			(acre ft per annum)					and no	D has been replaced longer serves this file, file is closed)			ers are 1 ers are si			SW 4=SE st)	l	(NAD83 UTM	l 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	Υ	Мар	Distance
CP 01907	СР	MON	0.000	DEVON ENERGY	ED	CP 01907 POD1	NA				SE	NE	NE	18	19S	31E	603017.2	3614737.1	•	855.3
CP 01940	СР	EXP	0.000	DEVON ENERGY	ED	CP 01940 POD1	NA				SE	SE	SE	07	195	31E	603004.2	3615030.5	•	888.6
<u>CP 00873</u>	СР	PRO	0.000	SANTA FE ENERGY	LE	CP 00873 POD1				Shallow		NW	NW	19	195	31E	601772.0	3613147.0 *	•	1,646.8
CP 01943	СР	EXP	0.000	DEVON ENERGY	ED	<u>CP 01943 POD1</u>	NA				NW	SW	NW	20	195	31E	603217.4	3612883.9	•	2,141.3
<u>CP 01032</u>	СР	STK	3.000	G & L CATTLE, LLC	ED	CP 01032 POD1					NE	NW	SE	19	195	31E	602600.1	3612362.6	•	2,424.3
CP 00357	СР	SRO	48.000	GULF OIL CORPORATION	ED	CP 00357 POD3					NW	NE	SE	24	195	30E	601276.0	3612437.0 *	•	2,474.1
<u>CP 01985</u>	СР	MON	0.000	DEVON ENERGY RESOURCES	ED	<u>CP 01985 POD1</u>	NA				NE	SE	NE	17	195	31E	604666.5	3614438.3	•	2,523.5
<u>CP 00357</u>	СР	SRO	48.000	GULF OIL CORPORATION	ED	<u>CP 00357 POD1</u>				Shallow	SE	SE	NW	24	195	30E	600667.0	3612631.0 *	•	2,590.8
					ED	<u>CP 00357 POD2</u>				Shallow	SE	SW	NW	24	195	30E	600265.0	3612627.0 *	•	2,844.8
<u>CP 00722</u>	СР	СОМ	90.000	G & L CATTLE, LLC	ED	<u>CP 00722 POD2</u>				Shallow	NE	NW	NW	25	195	30E	600276.0	3611620.0 *	•	3,651.7
CP 01941	СР	EXP	0.000	DEVON ENERGY	ED	CP 01941 POD1	NA			Shallow	SW	NE	NE	29	195	31E	604524.2	3611512.8	•	4,005.0
<u>CP 00829</u>	СР	PLS	3.000	SNYDER RANCHES	LE	CP 00829 POD1				Shallow		NE	SE	16	195	31E	606165.0	3614009.0 *	•	4,070.5
<u>CP 02053</u>	СР	SAN	1.000	FRONTIER FIELD SERVICES, LLC	ED	<u>CP 02053 POD1</u>	216DA				SE	NE	NE	16	195	31E	606328.8	3614710.7	•	4,167.0
<u>CP 00822</u>	СР	PLS	3.000	SNYDER RANCHES	LE	CP 00822 POD1				Shallow		SE	SE	15	195	30E	598148.0	3613516.0 *	•	4,198.5
CP 02011	СР	EXP	0.000	DEVON ENERGY CO.	ED	CP 02011 POD1	NA				SW	SW	SW	10	195	31E	606373.4	3615144.8	•	4,230.1

Record Count: 15

Filters Applied:

UTM Filters (in meters): Easting: 602162 Northing: 3614747 Radius: 005000

Sorted By: Distance

* UTM location was derived from PLSS - see Help

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

3/18/25 12:52 PM MST Active & Inactive Points of Diversion

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | <u>Disclaimer</u> | <u>Contact Us</u> | <u>Help</u> | <u>Home</u> |

Point of Diversion Summary

			1=NW 2=NE are smallest to					NAD83 UTM	in meters	
Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	x	Υ	Мар
	CP 00873 POD1		NW	NW	19	19S	31E	601772.0	3613147.0 *	•

* UTM location was derived from PLSS - see Help

Driller License:	421	Driller Company:	GLENN'S WATER WELL SERVICE		
Driller Name:	GLENN, CLAF	rk a."Corky"			
Drill Start Date:	1998-01-02	Drill Finish Date:	1998-01-05	Plug Date:	
Log File Date:	1998-01-15	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	50

Water Bearing Stratifications:

Тор	Bottom	Description
240	320	Shallow Alluvium/Basin Fill

Casing Perforations:

Тор	Bottom
226	340

Meter Information

Meter Number:	805	Meter Make:	MASTER
Meter Serial Number:	1748543	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
1999-01-01	1999	37400.000	Α	fm		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
1999-01-15	1999	43541.000	Α	fm		1.885	
2000-04-27	2000	14849.000	R	jw	Meter Rollover	298.083	
2000-07-31	2000	24399.000	Α	jw		2.931	

YTD Meter Amounts:

Year	Amount
1999	1.885
2000	301.014

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

3/18/25 1:21 PM MST Point of Diversion Summary

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | <u>Disclaimer</u> | <u>Contact Us</u> | <u>Help</u> | <u>Home</u> |

Water Right Summary



WR File Number:	CP 00873	Subbasin:	СР	Cross Reference:
Primary Purpose:	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE			
Primary Status:	PMT Permit			
Total Acres:	0.000	Subfile:		Header:
Total Diversion:	0.000	Cause/Case:		
Owner:	SANTA FE ENERGY	Owner Class:	A ge nt	
Contact:	CORKY GLENN			
Owner:	NORTON DRILLING	Owner Class:	A ge nt	
Contact:	CORKY GLENN			
Owner:	YATES PETROLEUM	Owner Class:	A ge nt	
Owner:	SANTA FE SNYDER	Owner Class:	A ge nt	
Contact:	CORKY GLENN			

Documents on File

(acre-feet per a

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Cor
get images	<u>550904</u>	72121	2000-08-14	PMT	APR	CP 00873	Т		3.000	
get images	<u>550830</u>	72121	2000-04-27	PMT	APR	CP 00873	Т		3.000	
get images	<u>550817</u>	72121	1999-01-15	PMT	APR	CP 00873	Т		3.000	
get images	550808	72121	1997-11-10	PMT	MTR	CP 00873	Т		3.000	
4										

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	x	Υ	Мар	Other Location Desc
<u>CP 00873 POD1</u>		Shallow		NW	NW	19	195	31E	601772.0	3613147.0 *	•	

* UTM location was derived from PLSS - see Help

Received by OCD: 9/29/2025 1:12:38 PM
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/18/25 1:23 PM MST **Water Rights Summary**

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | <u>Disclaimer</u> | <u>Contact Us</u> | <u>Help</u> | <u>Home</u> |

Water Right Summary



WR File Number:	CP 01032	Subbasin:	СР	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:	G & L CATTLE, LLC	Owner Class:	Owner	
Contact:	GRANT SMITH			
Owner:	BLM	Owner Class:	Owner	
Contact:	STEVE DALY			

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
get images	602030	COWNF	2015-01-12	CHG	PRC	CP 01032	Т		3.000	
get images	<u>477302</u>	72121	2009-12-23	PMT	APR	CP 01032	Т		3.000	

Current Points of Diversion

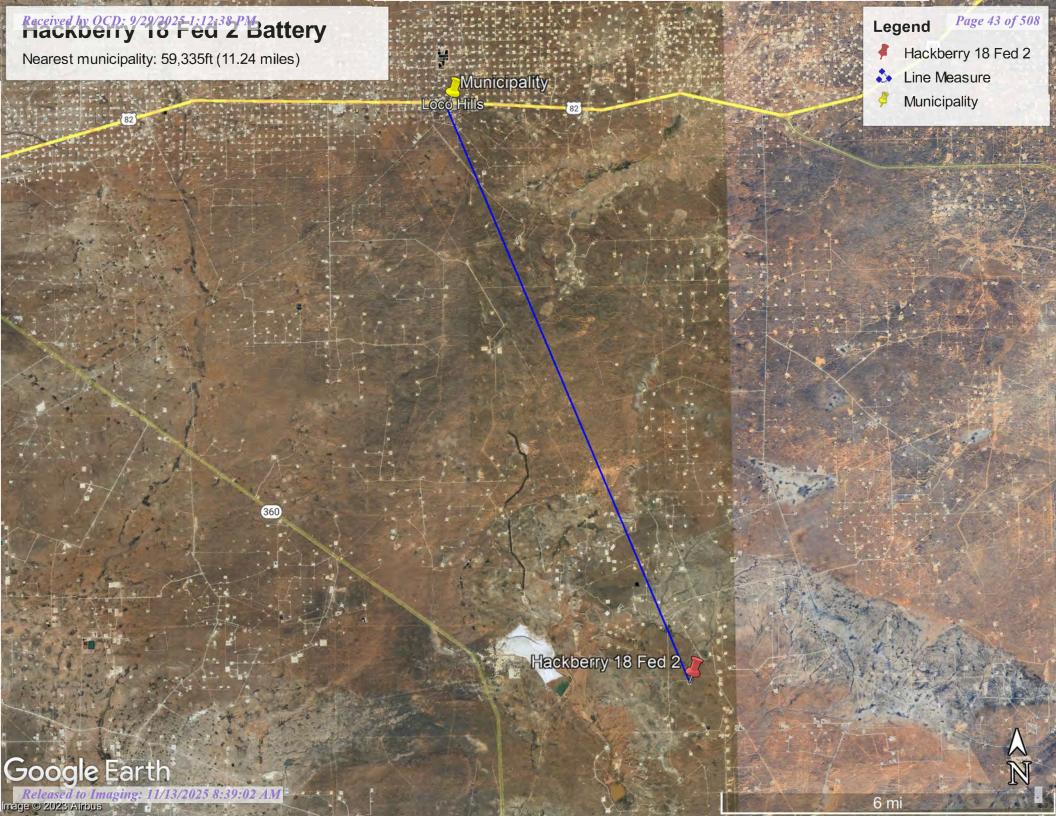
POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	х	Y	Мар	Other Location Desc
<u>CP 01032 POD1</u>			NE	NW	SE	19	195	31E	602600.1	3612362.6	•	
* UTM location was	derived from	PLSS - see H	elp									

OTWI location was derived from FE33 - see Help

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

3/18/25 1:25 PM MST Water Rights Summary

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | <u>Disclaimer</u> | <u>Contact Us</u> | <u>Help</u> | <u>Home</u> |





Hackberry 18 Federal 2 Battery Wetland 4,936 ft



June 30, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

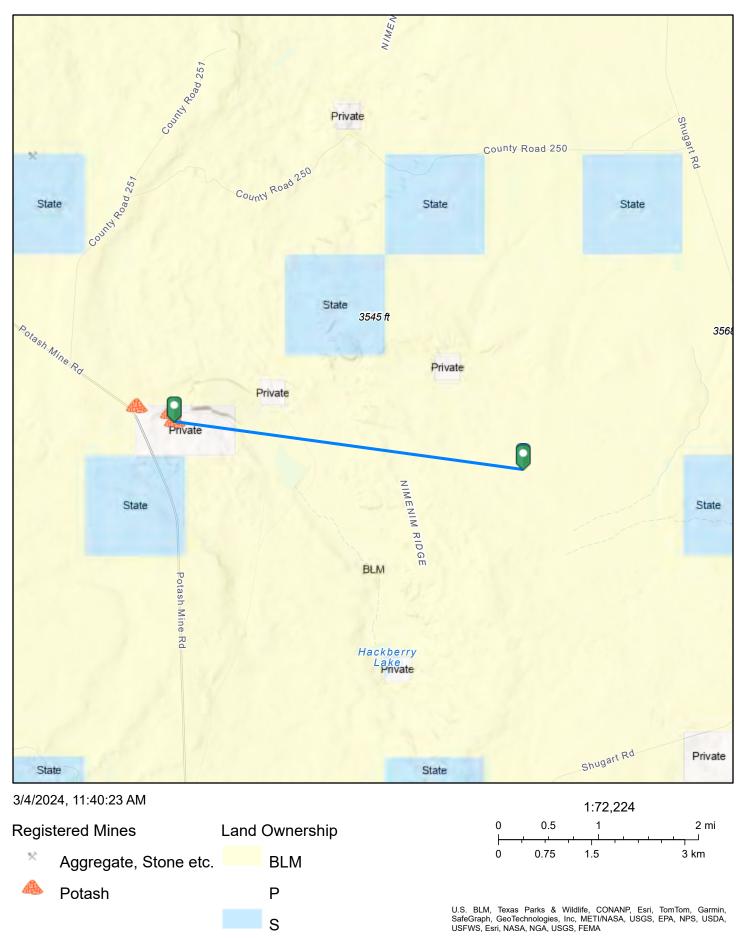
Lake

Other

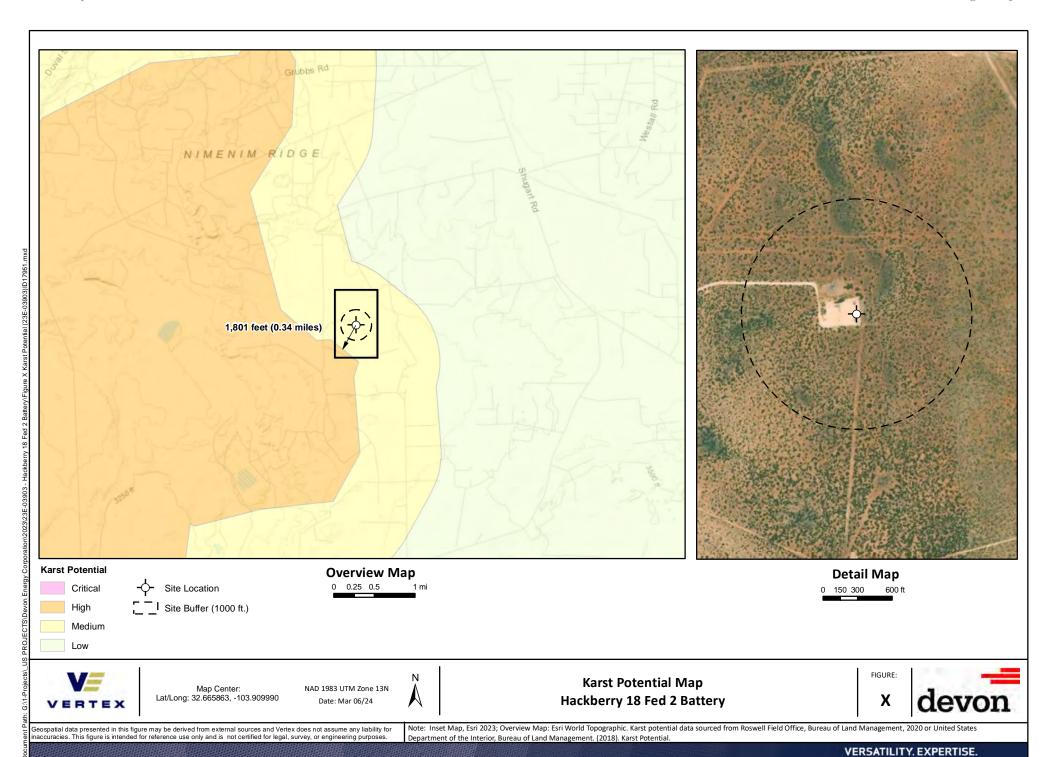
Riverine

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.

Hackberry 18 Fed 2 Battery - Mine: 18,608ft



Received by OCD: 9/29/2025 1:12:38 PM

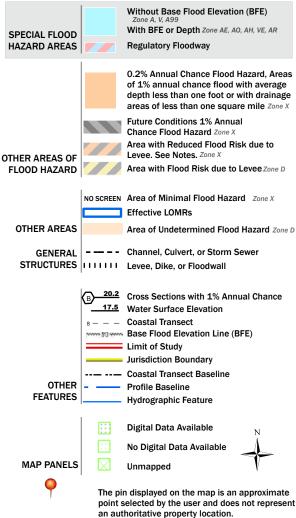


Hackberry 18



Legend

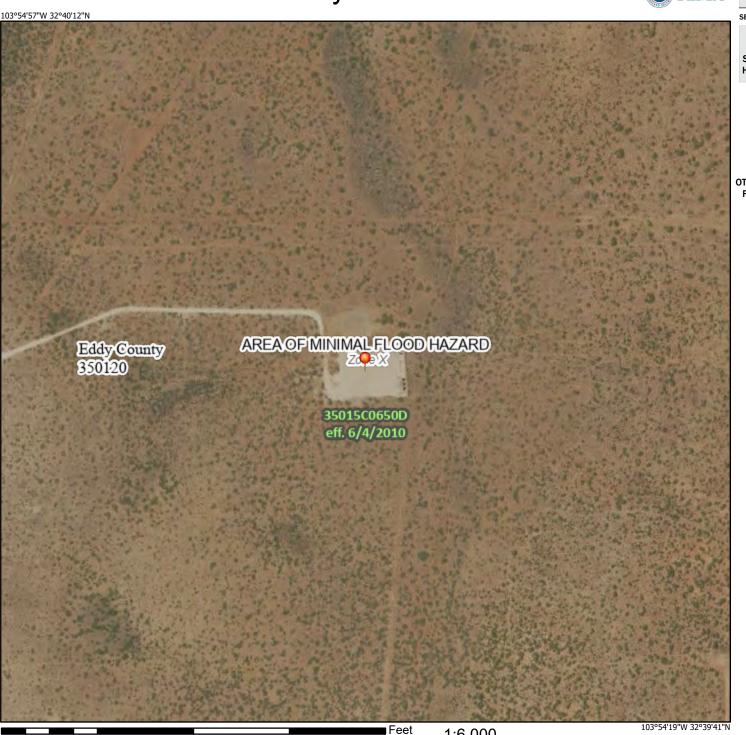
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

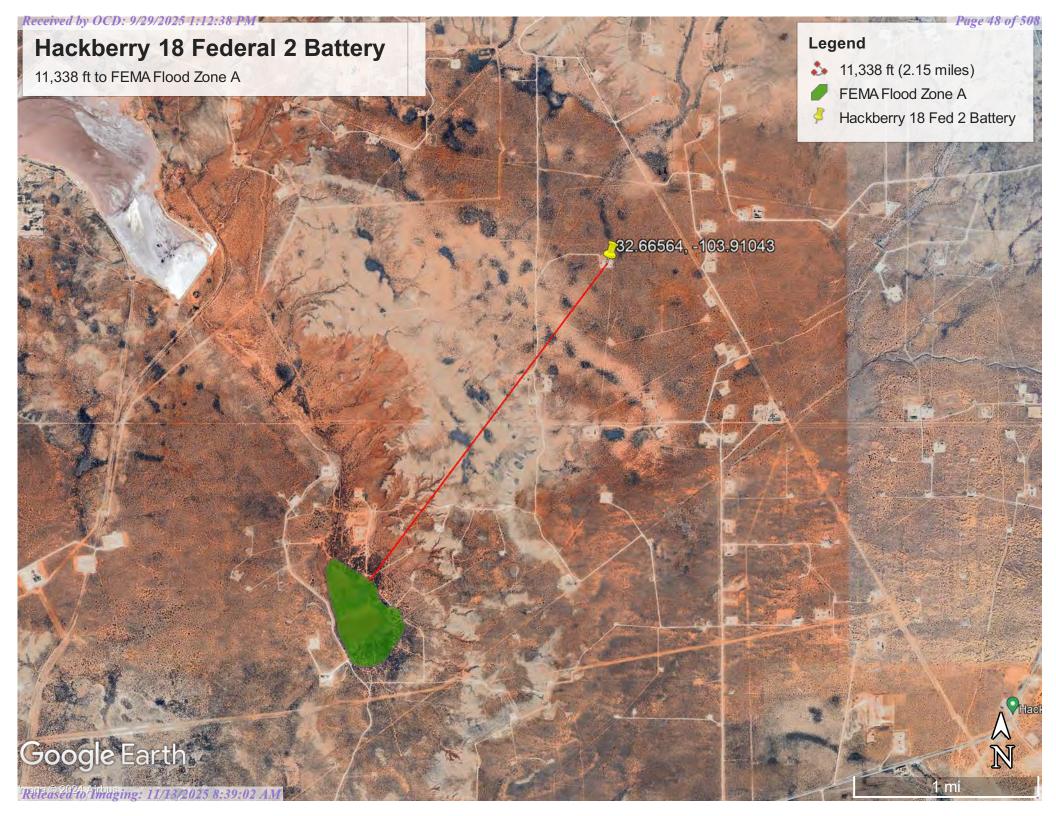


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/30/2023 at 11:20 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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







VRCS

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

Custom Soil Resource Report for Eddy Area, New Mexico





MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

-

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

യ

Blowout

 \boxtimes

Borrow Pit

Ж

Clay Spot

~

Closed Depression

G.S.

Gravelly Spot

0

Landfill Lava Flow

Gravel Pit

٨

Marsh or swamp

尕

Mine or Quarry

0

Miscellaneous Water

0

Perennial Water

 \vee

Rock Outcrop

7

Saline Spot Sandy Spot

0.0

Severely Eroded Spot

_

Sinkhole

20.

Slide or Slip

Ø

Sodic Spot

8

Spoil Area Stony Spot



Very Stony Spot

Ø

Wet Spot Other

Δ

Special Line Features

Water Features

_

Streams and Canals

Transportation

ransp

Rails

~

Interstate Highways

US Routes

 \sim

Major Roads

~

Local Roads

Background

The same

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

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

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

Map Unit Legend (11 - Hackberry 18 Fed 2 Battery)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ВА	Berino loamy fine sand, 0 to 3 percent slopes	29.9	100.0%
Totals for Area of Interest		29.9	100.0%

Map Unit Descriptions (11 - Hackberry 18 Fed 2 Battery)

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

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

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

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The

delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

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

Map Unit Setting

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

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent Minor components: 1 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand H2 - 12 to 58 inches: sandy clay loam H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

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

Interpretive groups

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

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 1 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No



Ecological site R070BC007NM Loamy

Accessed: 04/03/2023

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 uplands landforms, mainly on hill slopes, ridges, plains, terraces and some fan remnants. Slopes range from 1 to 5 percent and average about 3 percent. Average annual precipitation is about 8 to 14 inches. Elevations range from 2,842 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Plain (2) Terrace (3) Fan piedmont
Flooding frequency	None
Ponding frequency	None
Elevation	2,842-5,000 ft
Slope	0–5%
Aspect	E, S, W

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.

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

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

Table 3. Representative climatic features

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

Influencing water features

This site is not influenced by wetland or streams.

Soil features

The soils of this site are deep to moderately deep. The moderately deep soils have either a petrocalcic, petrogypsic or gypsum horizon between 30 and 40 inches.

Surface textures are loam, silt loam, very fine sandy loam, or clay loam. Substratum textures are loam, silty clay loam, clay loam, or silt loams. Subsoil textures are silt loam, clay loam silty clay loam, gravelly loam, gravelly clay loam or very gravelly loam. Permeability is moderate to slow and the available water holding capacity is high to moderate. The Atoka, Reeves, Russler, Milner soils may have highr amounts of CaC03, ranging as high as 40 percent in the subsoil. Rock fragments range fro 5 to 50 percent in the subsoil. Reeves, Rusler, Milner, Holloman soils will have 40 to 80 percent gypsum in the underlying material.

Maximum and minimum values listed below represent the characteristic soils for this site.

Characteristic Soils:

Atoka (petrocalcic)

Bigetty

Reagan

Reakor

Reeves (gypsum)

Russler (gypsum)

Largo

Russler (gypsum)

Largo

Berino

Tinney

Midessa

Ratliff

Holloman (gypsum)

Milner (gypsum)

Table 4. Representative soil features

Surface texture	(1) Loam(2) Very fine sandy loam(3) Silt loam
Family particle size	(1) Loamy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to slow
Soil depth	30–72 in

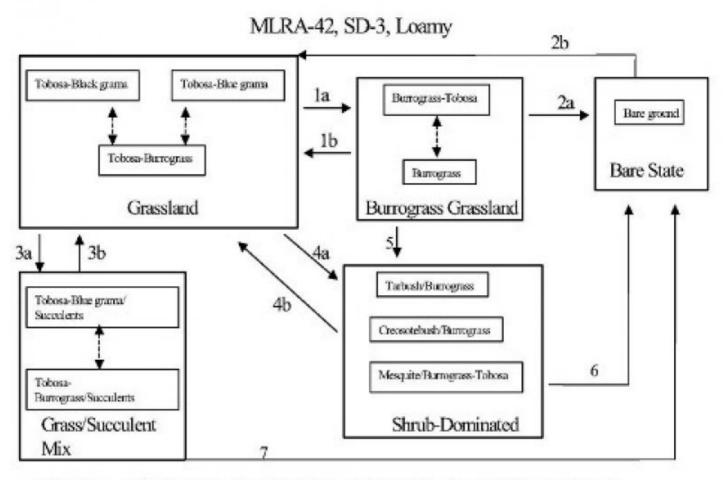
Surface fragment cover <=3"	0–5%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–12 in
Calcium carbonate equivalent (0-40in)	0–10%
Electrical conductivity (0-40in)	0–8 mmhos/cm
Sodium adsorption ratio (0-40in)	0–6
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	0–5%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

Overview: The Loamy site is associated with the Gyp Upland ecological site with which it intergrades. There is a pronounced increase in alkali sacaton along this interface. The loamy site is also associated with the Gravelly and Shallow ecological sites from which it receives run-on water. The Draw site often dissects Loamy sites and is distinguished from the Loamy site by increased production or greater densities of woody species. The historic plant community has a grassland aspect, dominated by grasses with shrubs and half-shrubs sparse and evenly distributed. Tobosa, black grama and blue grama are the dominant species. Retrogression within this state is characterized by a decrease in black and blue grama and an increase in burrograss. Continuous overgrazing and drought can initiate a transition to a Burrograss- Grassland state. Continued reduction in grass cover and resulting infiltration problems may eventually effect a change to a Bare State, with very little or no remaining grass cover. Alternatively, creosotebush, tarbush or mesquite may expand or invade. Transitions back to a Grassland State from a Bare or Shrub-Dominated state are costly and may not be economically feasible. Decreased fire frequency may play a part in the transition to the Grass/Succulent Mix state with increased amounts of cholla and prickly pear.

State and transition model

Plant Communities and Transitional Pathways (diagram)



- Ia. Soil drying, overgrazing, drought, soil surface sealing. Ib. Restore natural overland flow, increase infiltration, prescribed grazing.
- Severe reduction in cover, soil surface sealing, decreased infiltration, erosion. 2b. Restore hydrology, break up physical crust, range seeding, prescribed grazing.
- 3a. Lack of fire, overgrazing, hail storms or other physical disturbance, drought, 3b. Prescribed fire, brush control, prescribed grazing.
- 4a. Seed dispersal of shrubs, persistent loss of grass cover, competition by shrubs, lack of fire. 4b. Brush control, range seeding -dependent on amount of grass (seed bank) remaining.
- 5. Loss of grass cover, seed dispersal of shrubs, competition by shrubs.
- 6. & 7. Brush control with continued loss of grass cover, soil sealing, erosion.

State 1 Historic Climax Plant Community

Community 1.1 Historic Climax Plant Community

State Containing Historic Climax Plant Community Grassland: The historic plant community has a grassland aspect, dominated by grasses with shrubs and half-shrubs sparse and evenly distributed. Black grama, blue grama, and tobosa are the dominant grass species. There are a variety of perennial forbs and their production varies widely by season and year. Globemallow, verbena, groundsels, croton and filaree are forbs commonly found on this site. Fourwing saltbush and winterfat are two of the more palatable shrubs. The Loamy ecological site encompasses a

wide variety of soils, with surface textures ranging from sandy loams to clay loams. Soil depths range from shallow to very deep and can include sub surface features such as calcic, petrocalcic, and gypsic horizons. These variations cause differences in plant community composition and dynamics. Black grama is found at highest densities on coarser textured sandy loams, with blue grama preferring finer textured loam and silt loam, and tobosa favoring lower landscape positions and loam to clay loam surface textures. Burrograss may often be the dominant grass species on silty soils, perhaps in part due to the seedlings ability to auger into and establish on physically crusted soils. Gypsum influenced soils typically have greater amounts of tobosa, burrograss, and ephedra. There is greater representation of sideoats and vine mesquite within the tobosa-blue grama community. Retrogression under continuous heavy grazing results in a decrease of black grama, blue grama, sideoats grama, plains bristlegrass, bush muhly, cane bluestem, vine mesquite, winterfat, and fourwing saltbush. Species such as burrograss, threeawns, sand dropseed, sand muhly, and broom snakeweed increase under continuous heavy grazing or prolonged periods of drought. Under continued retrogression burrograss can completely dominate the site. Creosotebush, tarbush, and mesquite, can also dominate. Cholla and prickly pear can increase on areas that are disturbed or overgrazed. Diagnosis: Tobosa, black grama, and blue grama are the dominant species. Grass cover is uniformly distributed with few large bare areas. Shrubs are sparse and evenly distributed. Slopes range from level to gently sloping and usually display limited evidence of active rills and gully formation if plant cover remains intact. Litter movement associated with overland flow is limited to smaller size class litter and short distances. Other shrubs include: yucca, mesquite, tarbush, cholla and creosote bush. Other forbs include: desert holly, scorpionweed, bladderpod, flax, nama, fleabane, Indianwheat, Indian blanket flower, groundcherry, deerstongue, and rayless goldenrod.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	
Grass/Grasslike	585	833	1080
Forb	39	55	72
Shrub/Vine	26	37	48
Total	650	925	1200

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	15-30%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	25-30%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	40-50%

Figure 5. Plant community growth curve (percent production by month). NM2807, R042XC007NM Loamy HCPC. R042XC007NM Loamy HCPC Warm Season Plant Community..

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	5	10	10	25	30	15	5	0	0

Burrograss-Grassland

Community 2.1 Burrograss-Grassland

Burrograss-Grassland: Changes in hydrology resulting in decreased available soil moisture, reduces grass cover and increases bare ground. Burrograss is the dominant grass. Tobosa cover is variable and can range from sizeable areas to small patches occupying only depressions or the lowest and wettest positions within the site. Threeawns, ear muhly, sand muhly, and fluffgrass occur at increased densities compared to the grassland state. Shrub densities may increase especially mesquite, creosotebush or tarbush. Retrogression within this state is characterized by a further decrease in grass cover and increased bare ground. Further deterioration of this site can result in the transition to a bare state or becoming shrub dominated. Diagnosis: Burrograss is the dominant species. Grass cover is no longer uniformly distributed, instead tending to be patchy with large areas of bare ground present. Physical crusts are present in bare areas reducing infiltration and suppressing seedling establishment by any grass species other than burrograss. Transition to Burrograss-Grassland (1a): Transitions from grassland to a burrograssgrassland state may occur due to changes in hydrology. Gullies, roads or obstructions that alter natural water flow patterns may cause this transition. Changes in surface hydrology may also occur due to overgrazing or drought. The reduction in grass cover promotes increased soil physical crusts and reduces infiltration. 5 Key indicators of approach to transition: ? Diversion of overland flow resulting in decreased soil moisture. ? Increase in amount of burrograss cover ? Reduction in grass cover and increase in size and frequency of bare patches. ? Formation of physical crusts—indicating reduced infiltration. ? Evidence of litter movement—indicating loss or redistribution of organic matter. Transition back to Grassland (1b) The natural hydrology of the site must be returned. Culverts, turnouts, or rerouting roads may help re-establish natural overland flow, if roads or trails have altered the hydrology. Erosion control structures or shaping and filling gullies may help regain natural flow patterns and establish vegetation if the flow has been channeled. Breaking up physical crusts by soil disturbance may promote infiltration and seedling emergence. Allow natural revegetation to take place. Prescribed grazing will help ensure proper forage utilization and reduce grass loss due to grazing.

State 3 Bare State

Community 3.1 Bare State

Bare State: Extremely low ground cover, soil degradation and erosion characterize this state. Very little vegetation remains. Burrograss is the dominant grass and cover is extremely patchy. Physical soil crusts are extensive. Erosion and resource depletion increase as site degrades. Diagnosis: Very little cover remains. Erosion is evident by soil sealing, water flow patterns, pedestals or terracettes. Rills and gullies may be present and active. Transition to Bare State (2a): Extended drought, continuous heavy grazing, or other disturbance that severely depletes grass cover can effect this transition. As grass cover decreases, sheet flow and erosion increase, and physical soil crusts form, thereby further reducing infiltration. Key indicators of approach to transition: ? Continued reduction in grass cover. ? Increased soil surface sealing. ? Increased erosion. ? Reduced aggregate stability in bare areas.

Transition back to Grassland (2b) Restore the hydrology, see (1a). With the extent of grass loss range seeding may be necessary. Utilizing livestock or mechanical means to break up the physical crusts may increase infiltration and aid seedling establishment. Prescribed grazing will help ensure adequate deferment period following seeding, and proper forage utilization once the grass stand is well established. The degree to which this site is capable of recovery depends on the restoration of hydrology, extent of degradation to soil resources, and adequate rainfall necessary to establish grasses.

State 4 Grass/Succulent Mix

Community 4.1 Grass/Succulent Mix

Grass / Succulent Mix: Increased representations of succulents characterize this site. Increased densities of cholla or pricklypear is recognized as a management concern, but their impact on grass production is unclear. Light to

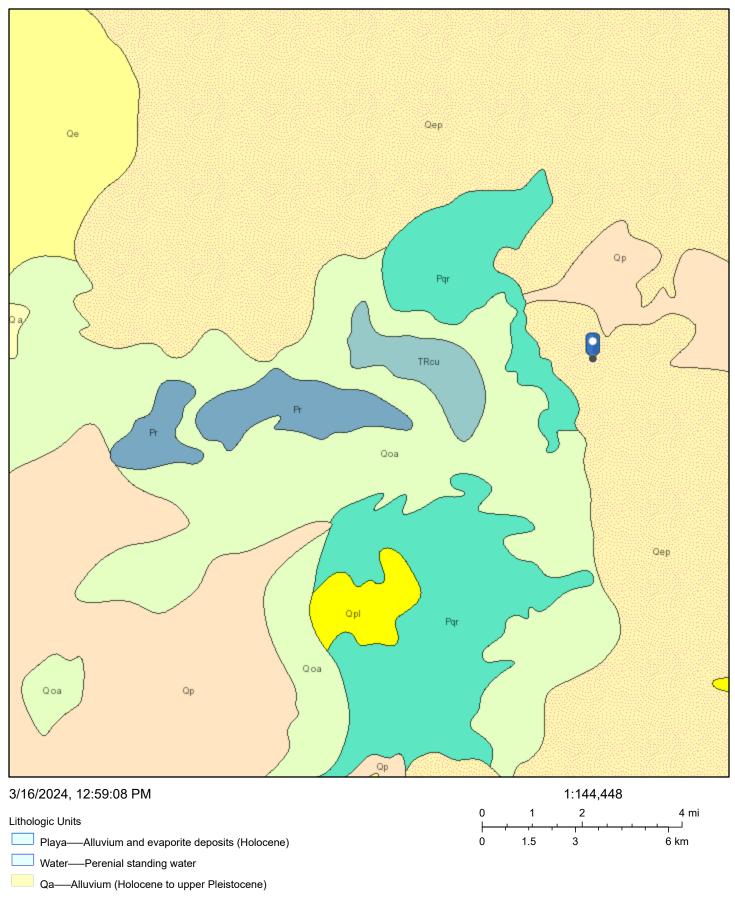
medium cholla or prickly pear infestation doesn't seem to greatly reduce grass production, however it limits access to palatable grasses and interferes with livestock movement and handling. Tobosa and blue grama are the dominant species on this site. Retrogression within this site is characterized by a decrease in blue grama and an increase in succulents, tobosa and burrograss. Diagnosis: Cholla or prickly pear is found at increased densities. Grass cover is variable ranging from uniformly distributed to patchy with frequent areas of bare ground present. Tobosa or blue grama is the dominant grass species. Transition to Grass/Succulent Mix (3a): If fire was historically a part of desert grassland ecosystem and played a role in suppressing seedlings of shrubs and succulents, then fire suppression may favor the increase of succulents.1 Heavy grazing by livestock or other physical disturbances may help disseminate seed and increase the establishment of succulents. Areas historically overgrazed by sheep are sometimes associated with higher densities of Succulents. Intense hailstorms can spread pricklypear by breaking off joints causing new plants to take root.3 During severe drought perennial grass cover can decline significantly, leaving resources available for use by more drought tolerant succulents. Cholla and pricklypear are both adapted to and favored by drought due to the ability of their shallow, wide spreading root systems to absorb and store water.4 Key indicators of approach to transition: ? Decrease or change in distribution of grass cover. ? Increase in amount of succulent seedlings. ? Increased cover of succulents. Transition back to Grassland (3b) Fire is an effective means of controlling cholla and prickly pear if adequate grass cover remains to carry fire.2 Cholla greater than two feet tall or pricklypear with a large amount of pads (>15-20) are harder to kill. Chemical control is effective in controlling prickly pear and cholla; apply when growth starts in May. Hand grubbing is also effective if cholla or pricklypear is severed 2-4 inches below ground and care is taken not to let broken joints or pads take root. Stacking and burning piles and grubbing during winter or drought help keeps broken joints and pads from rooting. Prescribed grazing will help ensure proper forage utilization and sustain grass cover.

State 5 Shrub Dominated

Community 5.1 Shrub Dominated

Shrub Dominated: Increased shrub cover characterizes this state. Mesquite, creosotebush, and/or tarbush are the dominant shrub species. Burrograss or tobosa is the dominant grass species. Grass cover is decreased, typically patchy with large bare areas present; however, sometimes grass cover can remain relatively high for extended periods when associated with light to moderate infestations of mesquite. Variations in soil characteristics play a part in determining which shrub species increase. Mesquite is well adapted to a wide range of soil types, but increases more often on deep soils low in carbonates, that have a sandy surface overlying finer textured soils. Tarbush prefers finer textured, calcareous soils, usually in lower positions that receive some extra water. Creosotebush is less tolerant of fine textured soils, preferring sandy, calcareous soils that have some gravel. Creosotebush also does well on soils that are shallow over caliche. Retrogression within this state is characterized by a decrease in tobosa, and an increase in burrograss. As the site continues to degrade shrub cover continues to increase and grass cover is severely reduced. Diagnosis: Mesquite, Creosotebush, and/or tarbush are the dominant shrubs. Blue grama and black grama cover is low or absent. Burrograss or tobosa are the dominant grasses. Typically grass cover is patchy with large interconnected bare areas present. Physical soil crusts are present, especially on silt loam surface soils. Transition to Shrub Dominated (4a): Wildlife and livestock consume and disperse mesquite seeds. Flood events may wash creosote or tarbush seeds off adjacent gravelly sites onto the loamy site and supply adequate moisture for germination. Persistent loss of grass cover due to overgrazing or drought can cause large bare patches, providing competition free areas for shrub seedling establishment. As shrub cover increases, competition for soil resources, especially water, becomes a major factor in further reducing grass cover. Reduction of fire, due to either fire suppression policy or loss of adequate fine fuels may increase the probability of shrub encroachment. Increased soil surface physical crusts and associated decreased infiltration, may prevent the establishment of grass seedlings. Transition to Shrub Dominated (5): The dispersal of creosotebush, tarbush or mesquite seed, combined with loss of grass cover and resource competition by shrubs may cause this transition. Key indicators of approach to transition: ? Decreased grass and litter cover. ? Increased bare patch size. ? Increased physical soil crusts. ? Increased amount of mesquite, creosotebush, or tarbush seedlings. ? Increased shrub cover. Transition back to Grassland (4b) Brush control will be necessary to remove shrubs and eliminate competition for resources necessary for grass establishment or reproduction. Seeding may be necessary on those sites where desired grass species are absent or very limited. Pitting and seeding may increase the chances of successful grass establishment. Prescribed grazing will help ensure adequate time is elapsed before grazing seeded area is allowed and proper forage utilization following seeding establishment. Transition to Bare State (6): If grass cover on the shrub-dominated state is

Hackberry 18 Fed 2 Battery Geology



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 Reports



Client: **Devon Energy** Inspection Date: 8/18/2023 Corporation Hackberry 18 Fed 2 Report Run Date: 8/18/2023 10:39 PM Site Location Name: **Battery** Client Contact Name: Jim Raley API#: 575-748-0176 Client Contact Phone #: Unique Project ID Project Owner: Project Reference # Project Manager: **Summary of Times** Arrived at Site 8/18/2023 7:45 AM 8/18/2023 3:00 PM **Departed Site**

Field Notes

- 8:38 Completed safety paperwork and initial line locate upon arrival to site
- **8:39** On site to begin delineation efforts of July 2023 release
- **15:46** Obtained BH23-01 to 08 all horizontal points around stained area. All samples obtained at 0 and 2' depths.
- 16:27 BH23-02, 03, and 05 were either high at surface for chloride or TPH, so step outs in this area needed.

Next Steps & Recommendations

1 Continue delineation



Site Photos



Far east side of staining looking west



Viewing Direction: East

East toe



BH24-02 on eastern end of south side of staining





BH23-03 south side of staining in middle



BH23-04 on south side of staining towards western toe



BH23-05 on far west toe of staining



BH23-06 on north side near west toe





BH23-07 on north side of staining in middle



BH23-08 on north side of staining towards east toe

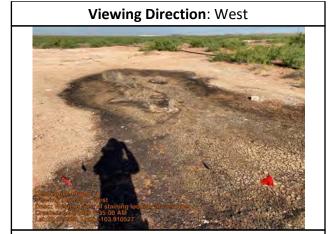


Far east side looking northwest



Mid area of staining looking west





Western area of staining looking at west toe



West area of staining looking at eastern half



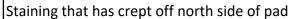
West toe looking east



Middle of west area of staining looking east









Staining off pad



Daily Site Visit Signature

Inspector: Austin Harris

Signature:



Client:	Devon Energy Corporation	Inspection Date:		
Site Location Name:	Hackberry 18 Fed 2 Battery	Report Run Date:	10/5/2024 10:42 AM	
Client Contact Name:	Dale Woodall	API #:		
Client Contact Phone #:	405-318-4697			
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
Summary of Times				
Arrived at Site				
Departed Site	10/4/2024 6:27 PM			

Field Notes

- 7:55 Completed JSA on arrival. On site to complete delineation of BH23-18 and BH23-19 on northwest corner of pad.
- **11:36** Marked area of interest around BH23-18 and BH24-19. Marked and mapped additional borehole locations around edges of area of interest. Swept work area with magnetic locator prior to ground disturbance.
- **19:48** Advanced boreholes at BH23-18 and BH23-19 and collected samples at 3 and 4.1 feet bgs. Field screening results exceeded NMOCD strictest criteria for chloride at 4.1 feet bgs at both sample points.
- **19:50** Advanced borehole BH24-27 between BH23-18 and BH23-19 and collected samples at 0, 2, and 4.1 feet bgs. Field screening results for samples at BH24-27 were below NMOCD strictest criteria for chloride and TPH.
- **19:52** Advanced boreholes BH24-27 through BH24-33 around edges of area of interest. Samples were collected at 0, 2, and 4.1 feet bgs. Field screening results were below NMOCD strictest criteria for chloride and TPH.

Next Steps & Recommendations

1



Site Photos

Viewing Direction: North



South of pump jack facing north.



Northwest corner of pad facing east. Advanced BH24-28 west of BH23-18.

Viewing Direction: Southeast



Northwest corner of pad facing southeast. Advanced BH24-33 north of BH23-18.

Viewing Direction: Northeast



Northwest corner of pad facing northeast. Advanced BH24-30 south of BH23-18.





North edge of pad facing south. Advanced BH24-27 between BH23-18 and BH23-19.



North edge of pad facing west. Advanced BH24 -29 east of BH23-19.



North edge of pad facing west. Advanced BH24 -32 north of BH23-19.



North side of pad facing northwest. Advanced BH24-31 south of BH23-19.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:



Client:	Devon Energy Corporation	Inspection Date:	3/20/2025		
Site Location Name:	Hackberry 18 Fed 2 Battery	Report Run Date:	3/21/2025 1:10 AM		
Client Contact Name:	Dale Woodall	API #:			
Client Contact Phone #:	405-318-4697	_			
Unique Project ID		Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	3/20/2025 10:15 AM				
Departed Site	3/20/2025 12:52 PM				

Field Notes

- **10:21** Completed JSA at previous location. On site to complete horizontal delineation.
- 10:32 Mapped planned borehole location and swept with magnetic locator prior to ground disturbance.
- 12:32 Advanced borehole BH25-34 south of BH25-21 and collected samples at 0, 2, and 4 feet bgs.
- **12:34** Field screening results for all samples were below NMOCD strictest criteria for chloride and TPH. Horizontal delineation tentatively completed pending laboratory results.

Next Steps & Recommendations

1 Submit samples to laboratory for analyses.



Site Photos





South of pump jack facing north.

Viewing Direction: South



West side of pad facing south. Advanced BH25-34 south of BH23-21.

Viewing Direction: East



West side of pad facing east. Advanced BH25-34 south of BH23-21.

Viewing Direction: North



West side of pad facing north. Advanced BH25-34 south of BH23-21.





West side of pad facing west. Advanced BH25-34 south of BH23-21.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:



Client: **Devon Energy** Inspection Date: 12/18/2023 Corporation Hackberry 18 Fed 2 Report Run Date: 12/19/2023 12:18 AM Site Location Name: **Battery** Dale Woodall Client Contact Name: API#: 405-318-4697 Client Contact Phone #: Unique Project ID Project Owner: Project Reference # Project Manager:

Summary of Times			
Arrived at Site	12/18/2023 8:03 AM		
Departed Site	12/18/2023 3:18 PM		

Field Notes

- **13:06** Completed safety paperwork and safety meeting with dig crew upon arrival.
- 13:08 Task: west excavation efforts to get BES and WES under 600 cl ppm.
- 13:18 Step out 2' North, West, and East walls. The South wall is under 600 ppm Cl.
- **14:36** All samples were field-screened for Cl using EC (all samples).
- 14:44 North, East, and West walls are under 600 ppm Cl. Base at 4' has Cl under 10,000 ppm for the 55-100 DTGW.

Next Steps & Recommendations

1



Site Photos



Site Placard.



Viewing Direction: Northwest

Oute & Time Mon Dec 1811 1801 MST 2023
Position #032 & 5577 | #103 91070
Altitude 100/m
CHAIN WES 94.
Samuel Beating 202 NARW 7197min Maries
Company

West excavation at 4. SE corner



West excavation at 4. NW corner





West excavation at 4. NE corner



Daily Site Visit Signature

Inspector: Deusavan Costa Filho

Signature:



Client:	Devon Energy Corporation	Inspection Date:	2/6/2024
Site Location Name:	Hackberry 18 Fed 2 Battery	Report Run Date:	2/6/2024 10:28 PM
Client Contact Name:	Dale Woodall	API #:	
Client Contact Phone #:	405-318-4697		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of ⁻	Times
Arrived at Site	2/6/2024 8:00 AM		
Departed Site	2/6/2024 2:15 PM		

Field Notes

- 9:10 Arrived on site and completed safety assessment for job and documents. Met with Devon contractors, discussing work plan for the day and safety and signing safety documents. Began hydrovac-ing excavation site.
- 11:50 No lines were located in hydro vac-ing to 4 feet below ground surface(bgs) Site was excavated an additional 1 foot for a total of 2 feet bgs.
 - Collected base and wall samples a shown in photos below. (BES24-01 through BES24-05 at 2ft and WES24-01 and WES24-02 at 0-2ft)
- 13:34 Field screened all samples for TPH with Dexsil Petroflag and chlorides with EC meter. Samples screened below closure criteria.
- 13:36 Collected 2 samples at 0.5 feet around 2 feet excavation (1 to the south and 1 to the northwest) for field screening and performed screening with results below closure criteria.
- **13:45** Fencing was erected around excavation for safety and crew loaded equipment for transport off site.

Next Steps & Recommendations

1 Collect confirmation samples

Run on 2/6/2024 10:28 PM UTC Powered by www.krinkleldar.com Page 1 of 5





Site Photos





Site information placard

Viewing Direction: West



Collected samples BES24-01 through BES24-05 at 2ft and WES24-01 and WES24-02 at 0-2ft

Viewing Direction: West



0.5 ft sample area south of 2 foot excavation

Viewing Direction: West



0.5 ft sample area northwest of 2 foot excavation







Excavation



Daily Site Visit Signature

Inspector: Stephanie McCartyM

Signature:



Client: Devon Energy Inspection Date: 7/23/2024
Corporation

Site Location Name: Hackberry 18 Fed 2 Report Run Date: 7/29/2024 4:10 PM

Battery

Client Contact Name: Dale Woodall API #:

Client Contact Phone #: 405-318-4697

Unique Project ID Project Owner:

Project Reference # Project Manager:

Summary of Times

Arrived at Site 7/23/2024 8:45 AM

Departed Site 7/23/2024 2:00 PM

Field Notes

13:26 Confirmation sample event

13:48 Auger boreholes from .5-2'

13:48 Field screen samples

Next Steps & Recommendations

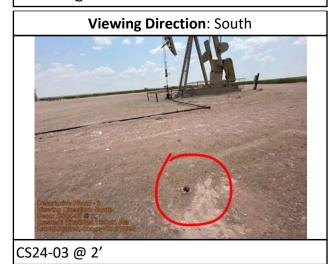
1 Make up COC and jar samples to send off to lab for analysis



Site Photos

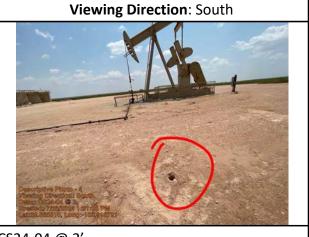


CS24-01 @ 2'



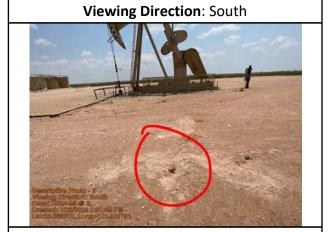
Viewing Direction: South

CS24-02 @ 2'



CS24-04 @ 2'





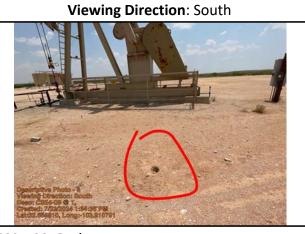




CS24-06 @ 2'



CS24-07 @ 1'



CS24-08 @ 1'





CS24-09 @ .5'



CS24-10 @ .5'



CS24-11 @ .5'



CS24-12 @ .5'





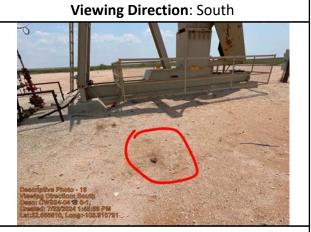
CWS24-03 @0-.5'



CS24-13 @ .5'



CWS24-02 @ 0-2'



CWS24-04 @ 0-1'











Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

VERTEX

Client: Devon Energy Inspection Date: 10/17/2024

Corporation

Site Location Name: Hackberry 18 Fed 2 Report Run Date: 10/17/2024 11:06 PM

Battery

Client Contact Name: Dale Woodall API #:

Client Contact Phone #: 405-318-4697

Unique Project ID Project Owner:

Project Reference # Project Manager:

Summary of Times

Arrived at Site 10/17/2024 8:00 AM

Departed Site 10/17/2024 3:00 PM

Field Notes

10:05 Completed safety paperwork and line locate upon arrival to site

14:24 Conducted confirmation sampling

17:00 Obtained:

BES24-14, 15, 16, and 17

All at 4.1' depth

WES24-05 to 12 all at 1-4.1' depth

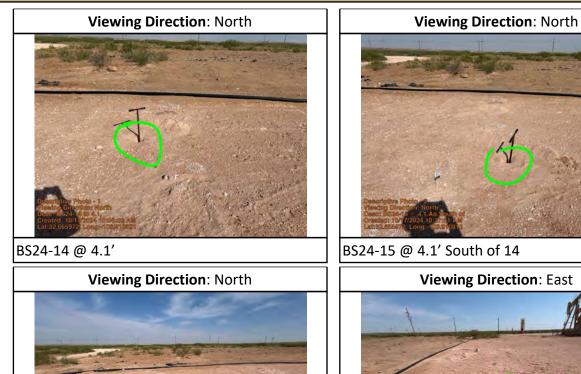
17:00 Samples plotted on confirmation collector for todays date

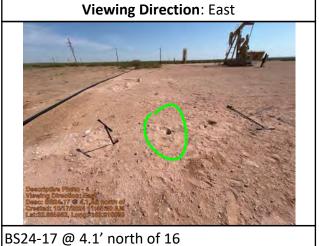
Next Steps & Recommendations

1 Send samples to lab



Site Photos





BS24-16 @ 4.1'

Run on 10/17/2024 11:06 PM UTC





WS24-05 @ 4.1' on west side of excavation



WS24-06 @ 4.1' northwest corner



WS24-07 @ 4.1' northeast side of excavation



WS24-08 @ 4.1' east side of excavation





WS24-09 between 06 and 07 on north side



WS24-10 in southeast corner of excavation



WS24-11 in southwest corner of excavation



WS24-12 in middle wall of excavation





Sample area in northwest corner of pad



Daily Site Visit Signature

Inspector: Austin Harris

Signature:



Client:	Devon Energy Corporation	Inspection Date:	2/14/2025		
Site Location Name:	Hackberry 18 Fed 2 Battery	Report Run Date:	3/14/2025 7:00 PM		
Client Contact Name:	Dale Woodall	API #:			
Client Contact Phone #:	405-318-4697	_			
Unique Project ID		– Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	3/14/2025 6:48 AM				
Departed Site	3/14/2025 9:15 AM				
Field Notes					

Field Notes

- **7:05** Completed JSA on arrival. On site to re-collect confirmation sample WES25-11 from historical excavation.
- 7:10 Swept sampling area with magnetic locator prior to ground disturbance.
- 11:29 Re-collected confirmation sample WES24-11 from historical excavation between 1 and 4.1 feet bgs in northwest corner of pad. Confirmation sample collected from the excavation wall was 5-point composite representing areas no greater than 200 square feet. A hand auger was utilized to advance 5 boreholes immediately outside historical excavation wall. Discrete samples were collected from each borehole and combined as the composite sample.
- 8:59 Field screening results for WES24-11 were below NMOCD strictest criteria for chloride and TPH.

Next Steps & Recommendations

1 Submit sample to laboratory for analyses.



Site Photos





South of pump jack facing north.

Viewing Direction: East



West edge of pad facing east. Advanced 5 boreholes along south edge of historical excavation to collect composite WES24-11.



Viewing Direction: South



Northwest corner of pad facing south. Advanced 5 boreholes along south edge of historical excavation to collect composite WES24-11.

Viewing Direction: West



Northwest corner of pad facing west. Advanced 5 boreholes along south edge of historical excavation to collect composite WES24-11.





Northwest corner of pad facing north.
Advanced 5 boreholes along south edge of historical excavation to collect composite WES24-11.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

	1	V		T T	
V	F	D	_	F	×

Client: Devon Energy Incident ID #:

Corporation

Site Location Name: Hackberry 18 Fed 2

Battery

Inspection Date: 8/7/2025

Summary of Times

Arrived at Site 8/7/2025 11:33 AM

Departed Site 8/7/2025 5:12 PM

Field Notes

- **12:12** Started JSA at previous location and completed on arrival. On site to collect confirmation samples from excavation surfaces.
- **12:14** Swept excavation surfaces with magnetic locator prior to sample collection.
- **16:41** Collected confirmation samples surfaces of excavations. Confirmation samples collected from the excavation base and walls were 5-point composites representing areas no greater than 200 square feet.
- **16:49** Collected confirmation sample BES25-18 from base of east excavation to 4.1 feet bgs. Collected confirmation samples WES25-13 and WES25-14 from walls of east excavation to 4.1 feet bgs.
- **16:51** Collected confirmation samples BES25-19 through BES25-23 from base of excavation to 2 feet bgs. Collected confirmation samples WES25-15 and WES25-16 from walls of excavation to feet bgs.
- **16:51** Collected confirmation samples WES25-17 through WES25-22 from walls of west excavation to 4.1 feet bgs.

API#:

- 16:51 Collected confirmation samples BES25-24 through WES25-29 from base of west excavation to 4.1 feet bgs.
- **16:52** Field screening results for all excavation wall samples (WES25-13 through WES25-22) below strictest criteria for chloride and TPH. Field screening results for base samples BES25-19 through BES25-23 collected at 2 feet bgs were below NMOCD strictest criteria for chloride and TPH.
- **16:54** Field screening results for all excavation base samples collected at 4.1 feet bgs (BES25-18 and BES25-24 through BES25-29) were within closure threshold for chloride at DTGW between 51 and 100 feet bgs.
- **16:55** Confirmation sampling of excavation base at 4.1 feet bgs incomplete.



Next Steps & Recommendations

- 1 Submit collected samples to laboratory for analyses.
- 2 Continue collecting confirmation samples at 4.1 feet bgs.



Site Photos





South of pump jack facing north.

Viewing Direction: West



North side of pad facing west. Collected confirmation samples from east excavation to 4.1 feet bgs.







North side of pad facing east. Collected confirmation samples from east excavation to 4.1 feet bgs.

Descriptions Photo:

Descriptions Photo:

Having Direction: West

North side of pad facing west. Collected confirmation samples from excavation to 2 feet bgs.





North side of pad facing northwest. Collected confirmation samples from excavation to 2 feet bgs.

Viewing Direction: Southwest



North side of pad facing southwest. Collected confirmation samples from excavation to 2 feet bgs.







North side of pad facing east. Collected confirmation samples from excavation to 2 feet bgs.

Viewing Direction: East



Inside excavation facing east. Collected confirmation samples from excavation to 2 feet bgs.

Viewing Direction: North



North side of pad facing north. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: Northwest



North side of pad facing northwest. Collected confirmation samples from west excavation to 4.1 feet bgs.







North side of pad facing west. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: Northeast



West side of pad facing northeast. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: East



West edge of pad facing east. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: Northeast



West edge of pad facing northeast. Collected confirmation samples from west excavation to 4.1 feet bgs.







Northwest corner of pad facing southeast. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: Southwest



North edge of pad facing southwest. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: South



Northwest corner of pad facing south. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: South



North edge of pad facing south. Collected confirmation samples from west excavation to 4.1 feet bgs.







North edge of pad facing southeast. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: East



North edge of pad facing east. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: Southwest



North edge of pad facing southwest. Collected confirmation samples from west excavation to 4.1 feet bgs.

Viewing Direction: West



North edge of pad facing west. Collected confirmation samples from west excavation to 4.1 feet bgs.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:



Client: Devon Energy Incident ID #:

Corporation

Site Location Name: Hackberry 18 Fed 2 API #:

Battery

Inspection Date: 8/8/2025

 Summary of Times

 Arrived at Site
 8/8/2025 6:37 AM

 Departed Site
 8/8/2025 11:47 AM

Field Notes

- **6:45** Completed JSA on arrival. On site to collect remaining confirmation samples from base of excavation.
- **7:26** Swept excavation surfaces with magnetic locator prior to sample collection.
- **10:45** Collected confirmation samples from surface of excavation base at 4.1 feet bgs. Confirmation samples collected from the excavation base were 5-point composites representing areas no greater than 200 square feet.
- 10:55 Collected confirmation samples BES25-30 through BES25-45 from base of west excavation to 4.1 feet bgs.
- **11:35** Field screening results for confirmation samples BES25-30 through BES25-45 were below NMOCD closure threshold for chloride when DTGW is between 51 and 100 feet bgs.
- 11:44 Confirmation sampling complete pending laboratory results.

Next Steps & Recommendations

1 Submit remaining confirmation samples to laboratory for analyses.



Site Photos

Viewing Direction: North



South of pump jack facing north.

Viewing Direction: West



North side of pad facing west over east excavation to 4.1 feet bgs.

Viewing Direction: West



North side of pad facing east over east excavation to 4.1 feet bgs.

Viewing Direction: West



North side of pad facing west over excavation to 2 feet bgs.







North side of pad facing southwest over excavation to 2 feet bgs.

Viewing Direction: Southwest



North side of pad facing southwest over excavation to 2 feet bgs.

Viewing Direction: Northwest



North side of pad facing northwest over excavation to 2 feet bgs.

Viewing Direction: Northwest



North side of pad facing northwest over excavation to 2 feet bgs.



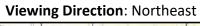




North side of pad facing west over excavation to 2 feet bgs.



North side of pad facing northeast over excavation to 2 feet bgs.





North side of pad facing northeast over excavation to 2 feet bgs.

Viewing Direction: East



Inside excavation facing east over excavation to 2 feet bgs.







North side of pad facing east over excavation to 2 feet bgs.



North side of pad facing southeast over excavation to 2 feet bgs.

Viewing Direction: Southeast



North side of pad facing southeast over excavation to 2 feet bgs.

Viewing Direction: West



North side of pad facing west over west excavation to 4.1 feet bgs.







North side of pad facing northwest over west excavation to 4.1 feet bgs.



North side of pad facing southwest over west excavation to 4.1 feet bgs.

Viewing Direction: North



North side of pad facing north over west excavation to 4.1 feet bgs.

Viewing Direction: Northwest



North side of pad facing northwest over west excavation to 4.1 feet bgs.

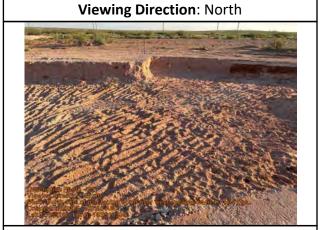




North side of pad facing west over west excavation to 4.1 feet bgs.



North side of pad facing northeast over west excavation to 4.1 feet bgs.



North side of pad facing north over west excavation to 4.1 feet bgs.

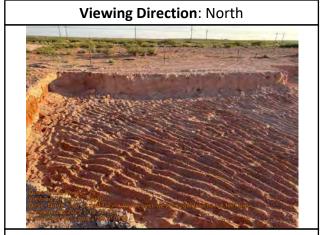


North side of pad facing northwest over west excavation to 4.1 feet bgs.





North side of pad facing northeast over west excavation to 4.1 feet bgs.



North side of pad facing north over west excavation to 4.1 feet bgs.



West edge of pad facing east over west excavation to 4.1 feet bgs.



West edge of pad facing northeast east over west excavation to 4.1 feet bgs.





Northwest corner of pad facing southeast over west excavation to 4.1 feet bgs.



Northwest corner of pad facing south over west excavation to 4.1 feet bgs.



North edge of pad facing southwest over west excavation to 4.1 feet bgs.



North edge of pad facing south over west excavation to 4.1 feet bgs.







North edge of pad facing southeast over west excavation to 4.1 feet bgs.



North edge of pad facing east over west excavation to 4.1 feet bgs.

Viewing Direction: Southwest



North edge of pad facing southwest over west excavation to 4.1 feet bgs.

Viewing Direction: South



North edge of pad facing south over west excavation to 4.1 feet bgs.







North edge of pad facing south over west excavation to 4.1 feet bgs.



North side of pad facing west over west excavation to 4.1 feet bgs. Collected confirmation samples from excavation base.





West edge of pad facing east over west excavation to 4.1 feet bgs. Collected confirmation samples from excavation base.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:



Client: Devon Energy

Corporation

Site Location Name: Hackberry 18 Fed 2

Battery

Inspection Date: 8/20/2025

Incident ID #: nAPP2317136603

Summary of Times

API#:

Arrived at Site 8/20/2025 7:40 AM

Departed Site 8/20/2025 8:35 AM

Field Notes

8:57 Arrived on site and coordinated with Lea Land personnel Geronimo and Crazy Horse. Mobilized to backfill area.

- 8:58 Collected three 5 point composite samples (SS25-01 through-03 at surface).
- **8:59** Field screened for chlorides and hydrocarbons.
- **8:59** Prepared samples for lab per standards.

Next Steps & Recommendations

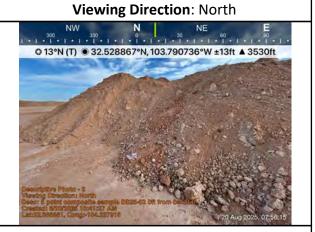
1 Submit samples for lab analysis



Site Photos



5 point composite sample SS25-01 Oft from backfill



5 point composite sample SS25-02 Oft from backfill



5 point composite sample SS25-03 Oft from backfill



Daily Site Visit Signature

Inspector: Stephanie McCartyM

Signature:



Client: Devon Energy

Corporation

Site Location Name: Hackberry 18 Fed 2

Battery

Inspection Date: 9/17/2025

API#:

Incident ID #:

Summary of Times

Arrived at Site 9/17/2025 1:05 PM

Departed Site 9/17/2025 1:38 PM

Field Notes

- 13:05 Completed after paperwork upon arrival
- 13:08 Reviewed the site before coming to location to ensure the correct actions are taken
- **13:23** Backfill photographs of the location are included in this DFR. While the site is decommissioned, the release was backfilled to match the current pad, which has not been reclaimed

Next Steps & Recommendations

1



Site Photos





Southwest corner of the excavation showed caliche was contoured to match the existing pad

Viewing Direction: East



West side of the release area looking east backfilled

Viewing Direction: South



Northeast corner of the release area looking south at the backfilled area

Viewing Direction: South



North-central of the excavation looking south at the backfilled release





Northeast corner of the release area looking at the backfilled release area



East of the release looking west





Southwest corner of the release looking at the backfilled area



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:

APPENDIX D – Notifications

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 365219

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	365219
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317136603
Incident Name	NAPP2317136603 HACKBERRY 18 FED 2 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202048047] HACKBERRY 18 FED 2 BATTERY

Location of Release Source	
Site Name	HACKBERRY 18 FED 2 BATTERY
Date Release Discovered	06/19/2023
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	2,535	
What is the estimated number of samples that will be gathered	17	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/23/2024	
Time sampling will commence	10:00 AM	
Please provide any information necessary for observers to contact samplers	Riley Plogger 575-361-9639	
Please provide any information necessary for navigation to sampling site	C-18-19S-31E, (32.66565861,-103.9104969) From Carlsbad, NM East US-180 15.1 mi Left NM-360 5.7mi Right on Shugart rd 1.8mi Turn left 1.6mi Turn left 0.4 mi Turn left 0.1 mi Turn right 0.1 mi Turn right 0.7 mi Turn right 0.3 mi Turn left 0.8 mi Turn right 0.5 mi Turn right 0.3 mi	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 365219

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	365219
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created	Condition	Condition
Ву		Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/18/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 392406

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	392406
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317136603
Incident Name	NAPP2317136603 HACKBERRY 18 FED 2 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202048047] HACKBERRY 18 FED 2 BATTERY

Location of Release Source	
Site Name	HACKBERRY 18 FED 2 BATTERY
Date Release Discovered	06/19/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,000
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Vertex Personnel: Austin Harris 432-250-5003
Please provide any information necessary for navigation to sampling site	From intersection of US-62/180 E and Potash mines Rd/NM 360 N, proceed north for 5.75. Turn right onto Shugart road/222 driving east for 5 miles. Turn left onto lease road heading north for 1 mile. Turn left and head west for 0.33 miles then turn right heading north for 0.5 miles. Turn left heading west for 0.4 miles and then turn right heading north for 1.5 miles. Work area is Northwest corner of battery.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 392406

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 392406
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	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.	10/14/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

State of New Mexico

QUESTIONS

Action 440783

QUESTIONS

Santa Fe, NM 87505

ı	Operator:	OGRID:
ı	DEVON ENERGY PRODUCTION COMPANY, LP	6137
ı	333 West Sheridan Ave.	Action Number:
ı	Oklahoma City, OK 73102	440783
ı		Action Type:
ı		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317136603
Incident Name	NAPP2317136603 HACKBERRY 18 FED 2 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202048047] HACKBERRY 18 FED 2 BATTERY

Location of Release Source	
Site Name	HACKBERRY 18 FED 2 BATTERY
Date Release Discovered	06/19/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Kent Stallings 346-814-1413
Please provide any information necessary for navigation to sampling site	From the intersection of US-62/180 E and Potash Miners Rd/NM-360 N, continue north on NM-360 for 5.75 miles. Turn right onto Shugart/222 driving east for 5 miles. Turn left onto lease road heading north for 1 mile. Turn left and head west for 0.33 miles then turn right heading north for 0.5 miles. Turn left heading west for 0.4 miles and then turn right heading north for 1.5 miles. Turn right heading east for 0.45 miles to site.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 440783

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	440783
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Create By		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.	3/10/2025

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 460656

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	460656
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317136603
Incident Name	NAPP2317136603 HACKBERRY 18 FED 2 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202048047] HACKBERRY 18 FED 2 BATTERY

Location of Release Source	
Site Name	HACKBERRY 18 FED 2 BATTERY
Date Release Discovered	06/19/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,200
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Lakin Pullman 701-495-1722
Please provide any information necessary for navigation to sampling site	From the intersection of US-62/180 E and Potash Miners Rd/NM-360 N, continue north on NM-360 for 5.75 miles. Turn right onto Shugart/222 driving east for 5 miles. Turn left onto lease road heading north for 1 mile. Turn left and head west for 0.33 miles then turn right heading north for 0.5 miles. Turn left heading west for 0.4 miles and then turn right heading north for 1.5 miles. Turn right heading east for 0.45 miles to site.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 460656

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	460656
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	d 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.	5/9/2025

APPENDIX E – Laboratory Data Reports and Chain of Custody Forms



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

September 11, 2023

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

FAX:

RE: Hackberry 18 Fed 2 Battery OrderNo.: 2308F22

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 16 sample(s) on 8/29/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-01 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 9:00:00 AM

 Lab ID:
 2308F22-001
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 8.7 mg/Kg 1 9/1/2023 1:55:47 AM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 9/1/2023 1:55:47 AM Surr: DNOP 96.8 69-147 %Rec 1 9/1/2023 1:55:47 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/30/2023 8:40:02 PM 4.9 mg/Kg 1 Surr: BFB 94.3 15-244 %Rec 1 8/30/2023 8:40:02 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/30/2023 8:40:02 PM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 8/30/2023 8:40:02 PM Ethylbenzene ND 0.049 mg/Kg 1 8/30/2023 8:40:02 PM Xylenes, Total ND 0.098 mg/Kg 1 8/30/2023 8:40:02 PM Surr: 4-Bromofluorobenzene 105 39.1-146 %Rec 1 8/30/2023 8:40:02 PM **EPA METHOD 300.0: ANIONS** Analyst: SNS mg/Kg Chloride 8/31/2023 9:19:43 PM ND 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-01 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 9:10:00 AM

 Lab ID:
 2308F22-002
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	d Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/1/2023 2:06:44 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/1/2023 2:06:44 AM
Surr: DNOP	98.8	69-147	%Rec	1	9/1/2023 2:06:44 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/30/2023 9:50:43 PM
Surr: BFB	96.7	15-244	%Rec	1	8/30/2023 9:50:43 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/30/2023 9:50:43 PM
Toluene	ND	0.047	mg/Kg	1	8/30/2023 9:50:43 PM
Ethylbenzene	ND	0.047	mg/Kg	1	8/30/2023 9:50:43 PM
Xylenes, Total	ND	0.094	mg/Kg	1	8/30/2023 9:50:43 PM
Surr: 4-Bromofluorobenzene	108	39.1-146	%Rec	1	8/30/2023 9:50:43 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	320	60	mg/Kg	20	8/31/2023 9:32:08 PM

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

Qualifiers:

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

Page 2 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-02 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 9:20:00 AM

 Lab ID:
 2308F22-003
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: PRD
Diesel Range Organics (DRO)	21	9.1	mg/Kg	1	9/1/2023 2:17:47 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	9/1/2023 2:17:47 AM
Surr: DNOP	97.1	69-147	%Rec	1	9/1/2023 2:17:47 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/30/2023 11:01:07 PM
Surr: BFB	93.0	15-244	%Rec	1	8/30/2023 11:01:07 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	8/30/2023 11:01:07 PM
Toluene	ND	0.046	mg/Kg	1	8/30/2023 11:01:07 PM
Ethylbenzene	ND	0.046	mg/Kg	1	8/30/2023 11:01:07 PM
Xylenes, Total	ND	0.092	mg/Kg	1	8/30/2023 11:01:07 PM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	8/30/2023 11:01:07 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	880	60	mg/Kg	20	8/31/2023 9:44:33 PM

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

Qualifiers:

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

Page 3 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-02 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 9:30:00 AM

 Lab ID:
 2308F22-004
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 9/1/2023 2:39:33 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 9/1/2023 2:39:33 AM Surr: DNOP 99.7 69-147 %Rec 1 9/1/2023 2:39:33 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/30/2023 11:24:32 PM 4.9 mg/Kg 1 Surr: BFB 93.4 15-244 %Rec 1 8/30/2023 11:24:32 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/30/2023 11:24:32 PM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 8/30/2023 11:24:32 PM Ethylbenzene ND 0.049 mg/Kg 1 8/30/2023 11:24:32 PM Xylenes, Total ND 0.097 mg/Kg 1 8/30/2023 11:24:32 PM Surr: 4-Bromofluorobenzene 105 39.1-146 %Rec 1 8/30/2023 11:24:32 PM **EPA METHOD 300.0: ANIONS** Analyst: SNS mg/Kg Chloride 8/31/2023 9:56:58 PM 550 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-03 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 9:40:00 AM

 Lab ID:
 2308F22-005
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 9/1/2023 2:50:27 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 9/1/2023 2:50:27 AM Surr: DNOP 97.0 69-147 %Rec 1 9/1/2023 2:50:27 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/30/2023 11:47:55 PM 4.8 mg/Kg 1 Surr: BFB 92.2 15-244 %Rec 1 8/30/2023 11:47:55 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/30/2023 11:47:55 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 8/30/2023 11:47:55 PM Ethylbenzene ND 0.048 mg/Kg 1 8/30/2023 11:47:55 PM Xylenes, Total ND 0.095 mg/Kg 1 8/30/2023 11:47:55 PM Surr: 4-Bromofluorobenzene 104 39.1-146 %Rec 1 8/30/2023 11:47:55 PM **EPA METHOD 300.0: ANIONS** Analyst: SNS mg/Kg Chloride 9/1/2023 7:48:38 AM 2400 150 50

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

Qualifiers:

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

Page 5 of 21

2308F22-006

Lab ID:

Analytical Report Lab Order 2308F22

Received Date: 8/29/2023 7:55:00 AM

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-03 2.0'

Matrix: SOIL

Project: Hackberry 18 Fed 2 Battery Collection Date: 8/18/2023 9:50:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 9.7 mg/Kg 1 9/1/2023 3:01:19 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 9/1/2023 3:01:19 AM Surr: DNOP 93.4 69-147 %Rec 1 9/1/2023 3:01:19 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/31/2023 12:11:23 AM 4.8 mg/Kg 1 Surr: BFB 92.0 15-244 %Rec 1 8/31/2023 12:11:23 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/31/2023 12:11:23 AM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 8/31/2023 12:11:23 AM Ethylbenzene ND 0.048 mg/Kg 1 8/31/2023 12:11:23 AM Xylenes, Total ND 0.097 mg/Kg 1 8/31/2023 12:11:23 AM Surr: 4-Bromofluorobenzene 104 39.1-146 %Rec 1 8/31/2023 12:11:23 AM **EPA METHOD 300.0: ANIONS** Analyst: SNS mg/Kg Chloride 8/31/2023 10:21:46 PM 430 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-04 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 10:00:00 AM

 Lab ID:
 2308F22-007
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	9/1/2023 3:12:11 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	9/1/2023 3:12:11 AM
Surr: DNOP	93.9	69-147	%Rec	1	9/1/2023 3:12:11 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/31/2023 12:34:46 AM
Surr: BFB	92.1	15-244	%Rec	1	8/31/2023 12:34:46 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 12:34:46 AM
Toluene	ND	0.048	mg/Kg	1	8/31/2023 12:34:46 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/31/2023 12:34:46 AM
Xylenes, Total	ND	0.097	mg/Kg	1	8/31/2023 12:34:46 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	8/31/2023 12:34:46 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	1000	60	mg/Kg	20	8/31/2023 10:34:10 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-04 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 10:10:00 AM

 Lab ID:
 2308F22-008
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 10 mg/Kg 1 9/1/2023 3:23:06 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 9/1/2023 3:23:06 AM Surr: DNOP 93.2 69-147 %Rec 1 9/1/2023 3:23:06 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/31/2023 12:58:08 AM 5.0 mg/Kg 1 Surr: BFB 90.5 15-244 %Rec 1 8/31/2023 12:58:08 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/31/2023 12:58:08 AM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 8/31/2023 12:58:08 AM Ethylbenzene ND 0.050 mg/Kg 1 8/31/2023 12:58:08 AM Xylenes, Total ND mg/Kg 1 8/31/2023 12:58:08 AM 0.099 Surr: 4-Bromofluorobenzene 102 39.1-146 %Rec 1 8/31/2023 12:58:08 AM **EPA METHOD 300.0: ANIONS** Analyst: SNS mg/Kg Chloride 8/31/2023 11:11:24 PM 280 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-05 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 10:20:00 AM

 Lab ID:
 2308F22-009
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/1/2023 3:33:55 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/1/2023 3:33:55 AM
Surr: DNOP	96.4	69-147	%Rec	1	9/1/2023 3:33:55 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/31/2023 1:21:34 AM
Surr: BFB	91.9	15-244	%Rec	1	8/31/2023 1:21:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	8/31/2023 1:21:34 AM
Toluene	ND	0.047	mg/Kg	1	8/31/2023 1:21:34 AM
Ethylbenzene	ND	0.047	mg/Kg	1	8/31/2023 1:21:34 AM
Xylenes, Total	ND	0.093	mg/Kg	1	8/31/2023 1:21:34 AM
Surr: 4-Bromofluorobenzene	103	39.1-146	%Rec	1	8/31/2023 1:21:34 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	3400	150	mg/Kg	50	9/1/2023 8:01:03 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 9 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-05 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 10:30:00 AM

 Lab ID:
 2308F22-010
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 9/1/2023 3:44:47 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 9/1/2023 3:44:47 AM Surr: DNOP 95.2 69-147 %Rec 1 9/1/2023 3:44:47 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/31/2023 1:44:56 AM 4.9 mg/Kg 1 Surr: BFB 95.2 15-244 %Rec 1 8/31/2023 1:44:56 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/31/2023 1:44:56 AM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 8/31/2023 1:44:56 AM Ethylbenzene ND 0.049 mg/Kg 1 8/31/2023 1:44:56 AM Xylenes, Total ND 0.097 mg/Kg 1 8/31/2023 1:44:56 AM Surr: 4-Bromofluorobenzene 107 39.1-146 %Rec 1 8/31/2023 1:44:56 AM **EPA METHOD 300.0: ANIONS** Analyst: SNS mg/Kg Chloride 8/31/2023 11:36:13 PM 1400 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-06 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 10:40:00 AM

 Lab ID:
 2308F22-011
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	9/1/2023 3:55:36 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	9/1/2023 3:55:36 AM
Surr: DNOP	98.4	69-147	%Rec	1	9/1/2023 3:55:36 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/31/2023 2:31:46 AM
Surr: BFB	93.5	15-244	%Rec	1	8/31/2023 2:31:46 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 2:31:46 AM
Toluene	ND	0.049	mg/Kg	1	8/31/2023 2:31:46 AM
Ethylbenzene	ND	0.049	mg/Kg	1	8/31/2023 2:31:46 AM
Xylenes, Total	ND	0.097	mg/Kg	1	8/31/2023 2:31:46 AM
Surr: 4-Bromofluorobenzene	105	39.1-146	%Rec	1	8/31/2023 2:31:46 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	260	60	mg/Kg	20	8/31/2023 11:48:38 PM

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

Qualifiers:

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

Page 11 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-06 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 10:50:00 AM

 Lab ID:
 2308F22-012
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 9.0 mg/Kg 1 9/1/2023 4:06:21 AM Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 9/1/2023 4:06:21 AM Surr: DNOP 99.7 69-147 %Rec 1 9/1/2023 4:06:21 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/31/2023 2:55:14 AM 4.9 mg/Kg 1 Surr: BFB 91.9 15-244 %Rec 1 8/31/2023 2:55:14 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/31/2023 2:55:14 AM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 8/31/2023 2:55:14 AM Ethylbenzene ND 0.049 mg/Kg 1 8/31/2023 2:55:14 AM Xylenes, Total ND mg/Kg 1 8/31/2023 2:55:14 AM 0.099 Surr: 4-Bromofluorobenzene 103 39.1-146 %Rec 1 8/31/2023 2:55:14 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC mg/Kg Chloride 8/31/2023 6:42:41 PM 250 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
- 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

opting Limit Page 12 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-07 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 11:00:00 AM

 Lab ID:
 2308F22-013
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 8.8 mg/Kg 1 9/1/2023 4:17:06 AM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 9/1/2023 4:17:06 AM Surr: DNOP 93.8 69-147 %Rec 1 9/1/2023 4:17:06 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/31/2023 3:18:46 AM 4.7 mg/Kg 1 Surr: BFB 93.1 15-244 %Rec 1 8/31/2023 3:18:46 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/31/2023 3:18:46 AM 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 8/31/2023 3:18:46 AM Ethylbenzene ND 0.047 mg/Kg 1 8/31/2023 3:18:46 AM Xylenes, Total ND 0.094 mg/Kg 1 8/31/2023 3:18:46 AM Surr: 4-Bromofluorobenzene 104 39.1-146 %Rec 1 8/31/2023 3:18:46 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC mg/Kg Chloride 8/31/2023 6:55:06 PM ND 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-07 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 11:10:00 AM

 Lab ID:
 2308F22-014
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/1/2023 4:27:49 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/1/2023 4:27:49 AM
Surr: DNOP	92.7	69-147	%Rec	1	9/1/2023 4:27:49 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/31/2023 3:42:15 AM
Surr: BFB	90.5	15-244	%Rec	1	8/31/2023 3:42:15 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 3:42:15 AM
Toluene	ND	0.048	mg/Kg	1	8/31/2023 3:42:15 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/31/2023 3:42:15 AM
Xylenes, Total	ND	0.097	mg/Kg	1	8/31/2023 3:42:15 AM
Surr: 4-Bromofluorobenzene	101	39.1-146	%Rec	1	8/31/2023 3:42:15 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	8/31/2023 8:21:58 PM

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

Qualifiers:

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

porting Limit Page 14 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-08 0.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 11:20:00 AM

 Lab ID:
 2308F22-015
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/1/2023 4:38:32 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/1/2023 4:38:32 AM
Surr: DNOP	109	69-147	%Rec	1	9/1/2023 4:38:32 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/31/2023 4:05:39 AM
Surr: BFB	92.2	15-244	%Rec	1	8/31/2023 4:05:39 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 4:05:39 AM
Toluene	ND	0.050	mg/Kg	1	8/31/2023 4:05:39 AM
Ethylbenzene	ND	0.050	mg/Kg	1	8/31/2023 4:05:39 AM
Xylenes, Total	ND	0.10	mg/Kg	1	8/31/2023 4:05:39 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	8/31/2023 4:05:39 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	8/31/2023 8:34:23 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 15 of 21

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BH23-08 2.0'

 Project:
 Hackberry 18 Fed 2 Battery
 Collection Date: 8/18/2023 11:30:00 AM

 Lab ID:
 2308F22-016
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses Analyst: PRD **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 9/1/2023 4:49:25 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 9/1/2023 4:49:25 AM Surr: DNOP 96.9 69-147 %Rec 1 9/1/2023 4:49:25 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 8/31/2023 4:29:04 AM 4.9 mg/Kg 1 Surr: BFB 93.7 15-244 %Rec 1 8/31/2023 4:29:04 AM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 8/31/2023 4:29:04 AM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 8/31/2023 4:29:04 AM Ethylbenzene ND 0.049 mg/Kg 1 8/31/2023 4:29:04 AM Xylenes, Total ND 0.098 mg/Kg 1 8/31/2023 4:29:04 AM Surr: 4-Bromofluorobenzene 106 39.1-146 %Rec 1 8/31/2023 4:29:04 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC mg/Kg Chloride 8/31/2023 8:46:48 PM ND 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL 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 16 of 21

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F22**

11-Sep-23

Client: Devon Energy

Project: Hackberry 18 Fed 2 Battery

Sample ID: MB-77246 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77246 RunNo: 99401

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3627582 Units: mq/Kg

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

Chloride ND 1.5

Sample ID: LCS-77246 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77246 RunNo: 99401

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3627583 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.7 90 110

Sample ID: MB-77241 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77241 RunNo: 99389

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3628254 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77241 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77241 RunNo: 99389

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3628255 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.1 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- 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 17 of 21

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2308F22

11-Sep-23

Client: Devon Energy

Project: Hackberry 18 Fed 2 Battery

Sample ID: LCS-77177	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 77177	RunNo: 99380	
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627016	Units: %Rec
Analyte	Result PQL SPK	alue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.7 5	000 114 69	147
Sample ID: MB-77177	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 77177	RunNo: 99380	
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627018	Units: %Rec
Analyte	Result PQL SPK	alue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	12 1	0.00 116 69	147
Sample ID: 2308F22-016AMS	SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: BH23-08 2.0'	Batch ID: 77175	RunNo: 99380	
Prep Date: 8/29/2023	Analysis Date: 9/1/2023	SeqNo: 3627538	Units: mg/Kg
Analyte	Result PQL SPK	alue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	42 9.1 4	5.37 0 93.5 54.2	135
Surr: DNOP	4.1 4	537 89.9 69	147

Sample ID: 2308F22-016AMS	Samp	Type: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: BH23-08 2.0'	Bato	ch ID: 77	175	F	RunNo: 9	9380				
Prep Date: 8/29/2023	Analysis	Date: 9/	1/2023	5	SeqNo: 30	627540	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	8.9	44.56	0	91.5	54.2	135	3.87	29.2	
Surr: DNOP	4.0		4.456		89.4	69	147	0	0	

Sample ID: LCS-77175	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	Batch ID: 77175 RunNo: 99380										
Prep Date: 8/29/2023	Analysis D	ate: 8/ ;	31/2023	SeqNo: 3627542			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	61.9	130					
Surr: DNOP	4.7		5.000		93.3	69	147					

Sample ID: LCS-77176	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 77176	RunNo: 99380		
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627544	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual	
Surr: DNOP	5.5 5.000	109 69	147	

Qualifiers:

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

Page 18 of 21

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

5.3

11

WO#: **2308F22** *11-Sep-23*

Client: Devon Energy

Surr: DNOP

Surr: DNOP

Project: Hackberry 18 Fed 2 Battery

Sample ID: LCS-77208 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 77208 RunNo: 99380

Prep Date: 8/30/2023 Analysis Date: 8/31/2023 SeqNo: 3627545 Units: %Rec

5.000

10.00

SPK Ref Val %RPD **RPDLimit** Analyte Result SPK value %REC LowLimit HighLimit Qual Surr: DNOP 5.9 5.000 119 69 147

Sample ID: LCS-77213 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS Client ID: LCSS Batch ID: 77213 RunNo: 99380 Prep Date: 8/30/2023 Analysis Date: 8/31/2023 SeqNo: 3627547 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

105

114

69

69

147

147

Sample ID: MB-77175 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 77175 RunNo: 99380 Prep Date: Analysis Date: 8/31/2023 SeqNo: 3627550 8/29/2023 Units: mq/Kq Result POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte LowLimit HighLimit Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

Sample ID: MB-77176 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 77176 RunNo: 99380 Prep Date: 8/29/2023 Analysis Date: 8/31/2023 SeqNo: 3627552 Units: %Rec Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 13 10.00 126 147

Sample ID: MB-77208 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PRS Batch ID: 77208 RunNo: 99380 Analysis Date: 8/31/2023 Prep Date: 8/30/2023 SeqNo: 3627556 Units: %Rec **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Surr: DNOP 13 10.00 131 69 147

Sample ID: MB-77213 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: Batch ID: 77213 RunNo: 99380 Prep Date: 8/30/2023 Analysis Date: 8/31/2023 SeqNo: 3627557 Units: %Rec %RPD **PQL** SPK value SPK Ref Val %REC **RPDLimit** Analyte Result LowLimit HighLimit Qual

Surr: DNOP 11 10.00 108 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 Quantitative Limit
- 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 19 of 21

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F22**

11-Sep-23

Client: Devon Energy

Project: Hackberry 18 Fed 2 Battery

Sample ID: Ics-77140 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 77140 RunNo: 99342

Prep Date: 8/28/2023 Analysis Date: 8/30/2023 SeqNo: 3624717 Units: %Rec

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

Surr: BFB 1900 1000 192 15 244

Sample ID: mb-77140 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 77140 RunNo: 99342

Prep Date: 8/28/2023 Analysis Date: 8/30/2023 SeqNo: 3624718 Units: %Rec

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

Surr: BFB 950 1000 94.7 15 244

Sample ID: Ics-77168 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS Batch ID: 77168 RunNo: 99342

Prep Date: **8/29/2023** Analysis Date: **8/30/2023** SeqNo: **3625866** Units: **mg/Kg**

Result POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte I owl imit Qual Gasoline Range Organics (GRO) 22 5.0 25.00 n 88.6 70 130 Surr: BFB 1900 1000 195 15 244

Sample ID: mb-77168 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: Batch ID: 77168 RunNo: 99342 PRS Prep Date: 8/29/2023 Analysis Date: 8/30/2023 SeqNo: 3625867 Units: ma/Ka Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 960
 1000
 96.0
 15
 244

Sample ID: 2308f22-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH23-01 0.0' Batch ID: 77168 RunNo: 99342 Analysis Date: 8/30/2023 Prep Date: 8/29/2023 SeqNo: 3625880 Units: mg/Kg **PQL** SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result SPK value LowLimit Qual

 Gasoline Range Organics (GRO)
 24
 4.9
 24.56
 0
 96.0
 70
 130

 Surr: BFB
 2000
 982.3
 203
 15
 244

Sample ID: 2308f22-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH23-01 0.0'** Batch ID: **77168** RunNo: **99342**

Prep Date: 8/29/2023 Analysis Date: 8/30/2023 SeqNo: 3625881 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 22 4.9 24.39 0 91.9 70 130 5.03 20 Surr BFB 1900 975.6 198 15 244 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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 20 of 21

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F22**

11-Sep-23

Client: Devon Energy

Project: Hackberry 18 Fed 2 Battery

Sample ID: LCS-77168	SampType: LCS TestCode: EPA Method 80				8021B: Volati	les				
Client ID: LCSS	Batch	ch ID: 77168 RunNo: 99342								
Prep Date: 8/29/2023	Analysis D	Date: 8/3	30/2023	SeqNo: 3625922			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	70	130			
Toluene	1.0	0.050	1.000	0	103	70	130			
Ethylbenzene	1.1	0.050	1.000	0	105	70	130			
Xylenes, Total	3.2	0.10	3.000	0	107	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146			

Sample ID: mb-77168	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch	n ID: 77 1	168	F	RunNo: 99	9342					
Prep Date: 8/29/2023	Analysis D)ate: 8/ 3	30/2023	9	SeqNo: 36	625923	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146				

Sample ID: 2308f22-002ams	SampT	ype: MS	;	TestCode: EPA Method 8021B: Volatiles						
Client ID: BH23-01 2.0'	Batch	n ID: 771	68	F	RunNo: 99	342				
Prep Date: 8/29/2023	Analysis D	ate: 8/3	30/2023	SeqNo: 3625940			Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.023	0.9398	0	106	70	130			
Toluene	1.0	0.047	0.9398	0	108	70	130			
Ethylbenzene	1.0	0.047	0.9398	0	109	70	130			
Xylenes, Total	3.1	0.094	2.820	0	110	70	130			
Surr: 4-Bromofluorobenzene	0.99		0.9398		105	39.1	146			

Sample ID: 2308f22-002amsd	SampT	ype: MS	SD.	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH23-01 2.0'	Batch	n ID: 771	168	F	RunNo: 99	9342						
Prep Date: 8/29/2023	Analysis D	oate: 8/3	30/2023	9	SeqNo: 36	625941	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.97	0.024	0.9407	0	104	70	130	2.56	20			
Toluene	0.98	0.047	0.9407	0	104	70	130	2.91	20			
Ethylbenzene	1.0	0.047	0.9407	0	107	70	130	1.91	20			
Xylenes, Total	3.0	0.094	2.822	0	107	70	130	2.92	20			
Surr: 4-Bromofluorobenzene	0.99		0.9407		105	39.1	146	0	0			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 21 of 21

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 11/13/2025 8:39:02 AM

Client Name: Devon Energ	gy Work Order	Number: 23	08F22		RcptNo	p: 1
Received By: Tracy Casa	rrubias 8/29/2023 7:5	55:00 AM				
Completed By: Tracy Casa	rrubias 8/29/2023 9:0	08:29 AM				
Reviewed By: # 8-7	9-23					
Chain of Custody						
1. Is Chain of Custody comple	ete?	Ye	s 🗌	No 🗹	Not Present	
2. How was the sample delive	red?	<u>Co</u>	urier			
<u>Log In</u>				_		
3. Was an attempt made to co	ool the samples?	Ye	s 🔽	No 🗌	NA 🗌	
4. Were all samples received	at a temperature of >0° C to 6.0	°C Ye	s 🗸	No 🗌	NA 🗌	
5. Sample(s) in proper contain	ner(s)?	Ye	s 🗸	No 🗌		
5. Sufficient sample volume fo	r indicated test(s)?	Ye	s V	No 🗌		
7. Are samples (except VOA a	and ONG) properly preserved?	Ye	s 🗸	No 🗌		
8. Was preservative added to	bottles?	Ye	s 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with	headspace <1/4" for AQ VOA?	Ye	s 🗌	No 🗌	NA 🗹	
0. Were any sample containe	rs received broken?	Ye	s	No 🔽	# of preserved	
					bottles checked	
 Does paperwork match boti (Note discrepancies on cha 		Ye	s V	No 🗌	for pH: (<2 o	or >12 unless noted)
2. Are matrices correctly ident		Ye	s 🗸	No 🗌	Adjusted?	
3. Is it clear what analyses we	·	Ye		No 🗌		, ,
Were all holding times able (If no, notify customer for all	to be met?	Ye		No 🗌	Checked by:	28/29/2
pecial Handling (if app	licable)					
15. Was client notified of all di	screpancies with this order?	Ye	es 🗌	No 🗌	NA 🗹	
Person Notified:		Date:				
By Whom:		Via: e	Mail 🗌	Phone Fax	In Person	
Regarding:						
Client Instructions:	Mailing address.phone number a	ınd Email/Fax	are miss	ing on COC-TM	C 8/29/23	
16. Additional remarks:						
17. Cooler Information						
Cooler No Temp °C	Condition Seal Intact Sea	I No Seal	Date	Signed By		

С	hain-	of-Cu	stody Reco	rd	Turn-	Around			A.													NT/		
Client:	Ì	Devo	n			tandard		Rush	Boutlery			5000	A	N/	YL'	YS	IS	L	AB	O	SA	то	R	•
	Di	rect			Proje	ct Name	2000	Fach	sberry 18				١	www	.hall	envi	ronn	nenta	al.co	m				
Mailing	Address:					War.		Fed	2 Battery		490)1 H	awkii	ns N	E -	Alb	uque	rque	e, NN	И 871	109			
					Proje	of H		903		Tel. 505-345-3975 Fax 505-345-4107 Analysis Request														
Phone #	<i>‡</i> :					200											SIS	Requ			4	100		
email o					Proje	ect Mana	ger:	1 1/		(8021)	MRO)	S		S		SO ₄			sent					
QA/QC I	Package:		*			roject Manager: Kent-Stullings			75J	8	ı ~ı	PCB's		8270SIMS		PO ₄ ,			ξ.					1
□ Stan	dard		☐ Level 4 (Full Vali	idation)			61			/B's	DRO			270		NO ₂ , F			sen					
		☐ Az Co	•		Sam On lo	pler:	NZ Ye	6	□ No . Loci.	ľ	l ~ I	Pesticides/8082	504.1)	or 8		ž		3	(Present/Absent)					
□ NEL		□ Other			# of	Coolers:	1		□ No yoqi	MTBE	TPH 8015D (GRO	ide	od 5	310	RCRA 8 Metals	ပ္ရွိ		8270 (Semi-VOA)	E	10				
	(Type)_				Cool	er Temp	(including	CF): 5.	7-0.1=5.6 (°C)	Ī	150	estic	EDB (Method	PAHs by 8310	8	Ŗ,	8260 (VOA)	Ser	Coliform					
					Cont	tainer	Dress	ervative	HEAL No.	BTEX	Ä		8	묏	₹.	т,	09	02	Total (11
Date	Time	Matrix	Sample Name			and #	Туре	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2306F27		(B)	8081		4	<u>~</u> /	<u>5</u>)	82	82	의	- 12		-	+	\dashv
18-23		50,1	BH23-01	0.0	4	02	10	E	001	H	Y.			_	\dashv	1				\vdash	\dashv	+	_	+
	0910		BH23-01	20		1			007	11	igapha					+			100	V	-		+	
	0920		BH23-02	0.0			<u> </u>		003	11	\vdash		\vdash		1 -	+					-		\dashv	\dashv
	0930		RH23-02	2.0					004	11	\vdash	-	-	eli y	1 1	+		11			-	-	-+	
	0940		BH23-03	0.0			1000		005	+	++	-	198411			+					-	-	十	$\dashv\dashv$
	0950		BH23-63	2.0					006	+	\bot				G G	+	100	_	-			340	+	$\dashv\dashv$
	1000		B1423-04	0.0			ļ		007	\dashv	+	-	_	_		+	_	27.0	├	-		0.50	-	\dashv
	1010		BIT23-04	20					008	\perp	+	-	-	100	-	+	-	-	-	\vdash		_	\dashv	- $+$ $ $
	1020	11 - 1112	BH23-05	0.0					009	11	+	-	-	7 10	1- 1-		100		0				\dashv	\dashv
	1030		B1723-05	2.0					010		1			_	_	H	-	- U	-	100	_		\dashv	-
	1040		BH23-06	0.0	<u> </u>				011	1	4	-	-		7.0	V	-		-	1 11	-			
7	1050		BH23-06	20		V		<u> </u>	017		35503	<u></u>			,		11		100					
Date:	Time:	Relinquisl	ned by:		Rece	eived by:	Via		Date Time	KE	marl	\s.	1	:	KS	pa	1/11	عى	@1	Per	lex	: cc	l	
					W BOO	eived by:	Via	Caun	Date Time	-		_		6	ah.		75(Ðγ	ren	lex.	Co	ì		
Date:	Time:	Relinquis			Kec	eiveu by.	V10	·	7:11	Remarks: C: Kstallings@vertex.cq ahorns@vertex.cq														
172/13	1900	Cuci	Mun					-	8/29/23	d-1		Anu	aub cc	ntracti	ed dat	a will	ne clea	arly no	tated o	on the	analytic	cal repo	ort.	

C	hain	-of-Cu	stody Record	Turn-Around			HALL ENVIRONMENTAL					AL									
Client:	E	Sevon		☐ Standard	Rush	Hery 03												RA			
	U	irect	R,//	Project Nam	e: 12					Ī	ww	/.hal	lenv	ironi	men	tal.cc	om				
Mailing	Address			Hacko	2 B.	rtter		490	01 H	awkiı	ns N	IE -	Alb	uqu	erqu	e, Ni	M 87	109			
				Project #:	2 F- 1739	0.5		Τe	el. 50	5-34	5-39	975	F	ax	505-	-345-	-4107	dayda v			
Phone	#:	T P			20.02 [A		/sis	Req	uest					
email o	r Fax#:			Project Mana	ager:	// _	Ξ	[<u>@</u>					SO4			eut)	cass.	Sala at			
QA/QC	Package:				icent St	-111755	TMB's (8021)	/ DRO / MRO)	PCB's		8270SIMS	10.7	PO4,			Abs	4 11 7	ad give			
□ Star	ndard	6	☐ Level 4 (Full Validation)		4		B's	8			20S		2, Ъ			ent/					
Accred			ompliance		194		Į₽		,808,	1.4	or 82	i qui ti	NO ₂ ,		7	res					
□ NEL		☐ Other		On Ice: # of Coolers	Yes Yes	□ No yogi	<u>"</u>	SRC	des	d 50	9	tals	ဝိ		§	E)					
) (Type) _. T	T				7-0.1=5.6 (°C)	I	5D(stici	핥	83	Me	Z	8	Ë	lifor			iler i		
			Sample Name	Container Type and #	Preservative	HEAL No.	STEX	TPH-8015D(GRO /	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	CHF, Br, NO3,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)					
Date 18-23	Time	Matrix	Sample Name	Ho2	Type	2308 F 22	M	4		╗		-	1	-		·		100	h.J.		\top
10-03	-	20./	BH23-07	100	1	013	+	+							100		10 De 1	0.000			\top
-	1110			11,	11,	014	Η,	11	_	\dashv	9E 4	1000	1	111	ilmer i	null ing	110	ed ke fi	170	\top	1
1	1120	1	BH23-08	\/	- \/	015	₩	1			**		*		9-5	100					+
A	1/30	V	B1723-08	•	Y	016	-		$\vdash\vdash$			DATE:	1	10.00	1197	-	1111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	_	+
					THE BUSINESS	100000	-	-			0.5500			-		1100,61		-	-	-	-
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	-	_	\vdash	191	ter tre	1875	44 11	211 04	uni		100 100	146	-	+-
		ļ					-				_			0.750			1921		-		+-
			1 1		market in 1984		-	 	<u> </u>				40.00			7 -191		_	2001	_	+
							_	-				in They		ud u	ii ffed		d 90		-	_	+
				HEIRS			ļ	<u> </u>	_				_				11 12	10° (4)		-	-
	100	dilik:			T V (p (p of			_		110	el tras e				100				1		-
						Acres variations	_									-01					
Date:	Time:	Relinquist		Received by:	Via:	Date Time 8 45	Re	mark	s:	1		K.	5 h	e !!	ins	5 € Ver	rec	rlex X Ca	5 C	1	
Date:	Time:	Relinquisl	•	Received by:	Via: Coun	17.5E . — (C			12100	1		
10013	1900	acu	Mus			3/29/27							H.E				544H		16		

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

Released to Imaging: 11/13/2025 8:39:02 AM



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

September 11, 2023

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

RE: Hackberry 18 OrderNo.: 2308F19

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 15 sample(s) on 8/29/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-09 0'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 9:00:00 AM

 Lab ID:
 2308F19-001
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	8/31/2023 9:57:59 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	8/31/2023 9:57:59 PM
Surr: DNOP	94.9	69-147	%Rec	1	8/31/2023 9:57:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/31/2023 4:52:30 AM
Surr: BFB	92.9	15-244	%Rec	1	8/31/2023 4:52:30 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 4:52:30 AM
Toluene	ND	0.048	mg/Kg	1	8/31/2023 4:52:30 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/31/2023 4:52:30 AM
Xylenes, Total	ND	0.095	mg/Kg	1	8/31/2023 4:52:30 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	8/31/2023 4:52:30 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	110	60	mg/Kg	20	8/31/2023 5:03:26 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-09 2'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 9:15:00 AM

 Lab ID:
 2308F19-002
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	8/31/2023 10:09:13 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/31/2023 10:09:13 PM
Surr: DNOP	92.5	69-147	%Rec	1	8/31/2023 10:09:13 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/31/2023 5:15:55 AM
Surr: BFB	94.1	15-244	%Rec	1	8/31/2023 5:15:55 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 5:15:55 AM
Toluene	ND	0.048	mg/Kg	1	8/31/2023 5:15:55 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/31/2023 5:15:55 AM
Xylenes, Total	ND	0.096	mg/Kg	1	8/31/2023 5:15:55 AM
Surr: 4-Bromofluorobenzene	105	39.1-146	%Rec	1	8/31/2023 5:15:55 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	300	60	mg/Kg	20	8/31/2023 5:15:51 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-10 0'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 9:30:00 AM

 Lab ID:
 2308F19-003
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/31/2023 10:20:23 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/31/2023 10:20:23 PM
Surr: DNOP	107	69-147	%Rec	1	8/31/2023 10:20:23 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/31/2023 5:39:14 AM
Surr: BFB	95.8	15-244	%Rec	1	8/31/2023 5:39:14 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 5:39:14 AM
Toluene	ND	0.049	mg/Kg	1	8/31/2023 5:39:14 AM
Ethylbenzene	ND	0.049	mg/Kg	1	8/31/2023 5:39:14 AM
Xylenes, Total	ND	0.098	mg/Kg	1	8/31/2023 5:39:14 AM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	8/31/2023 5:39:14 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	120	60	mg/Kg	20	8/31/2023 5:28:15 PM

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

Qualifiers:

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

Page 3 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-10 2'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 9:45:00 AM

 Lab ID:
 2308F19-004
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/31/2023 10:31:40 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/31/2023 10:31:40 PM
Surr: DNOP	94.1	69-147	%Rec	1	8/31/2023 10:31:40 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/31/2023 6:02:43 AM
Surr: BFB	94.7	15-244	%Rec	1	8/31/2023 6:02:43 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 6:02:43 AM
Toluene	ND	0.049	mg/Kg	1	8/31/2023 6:02:43 AM
Ethylbenzene	ND	0.049	mg/Kg	1	8/31/2023 6:02:43 AM
Xylenes, Total	ND	0.097	mg/Kg	1	8/31/2023 6:02:43 AM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	8/31/2023 6:02:43 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	180	60	mg/Kg	20	8/31/2023 5:40:40 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-11 0'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 10:00:00 AM

 Lab ID:
 2308F19-005
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/31/2023 10:42:51 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 10:42:51 PM
Surr: DNOP	99.5	69-147	%Rec	1	8/31/2023 10:42:51 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/31/2023 5:27:32 PM
Surr: BFB	98.9	15-244	%Rec	1	8/31/2023 5:27:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 5:27:32 PM
Toluene	ND	0.048	mg/Kg	1	8/31/2023 5:27:32 PM
Ethylbenzene	ND	0.048	mg/Kg	1	8/31/2023 5:27:32 PM
Xylenes, Total	ND	0.097	mg/Kg	1	8/31/2023 5:27:32 PM
Surr: 4-Bromofluorobenzene	108	39.1-146	%Rec	1	8/31/2023 5:27:32 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	2300	150	mg/Kg	50	9/1/2023 7:36:56 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

Not In Range Page 5 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-11 2'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 10:15:00 AM

 Lab ID:
 2308F19-006
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 10:54:01 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 10:54:01 PM
Surr: DNOP	101	69-147	%Rec	1	8/31/2023 10:54:01 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/31/2023 5:51:29 PM
Surr: BFB	100	15-244	%Rec	1	8/31/2023 5:51:29 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 5:51:29 PM
Toluene	ND	0.049	mg/Kg	1	8/31/2023 5:51:29 PM
Ethylbenzene	ND	0.049	mg/Kg	1	8/31/2023 5:51:29 PM
Xylenes, Total	ND	0.098	mg/Kg	1	8/31/2023 5:51:29 PM
Surr: 4-Bromofluorobenzene	110	39.1-146	%Rec	1	8/31/2023 5:51:29 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	1000	60	mg/Kg	20	8/31/2023 6:05:29 PM

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

Qualifiers:

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

Page 6 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-12 0'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 10:30:00 AM

 Lab ID:
 2308F19-007
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O					Analyst: PRD	
Diesel Range Organics (DRO)	2700	100		mg/Kg	10	8/31/2023 11:05:10 PM
Motor Oil Range Organics (MRO)	3500	500		mg/Kg	10	8/31/2023 11:05:10 PM
Surr: DNOP	0	69-147	S	%Rec	10	8/31/2023 11:05:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/31/2023 6:15:21 PM
Surr: BFB	95.6	15-244		%Rec	1	8/31/2023 6:15:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/31/2023 6:15:21 PM
Toluene	ND	0.048		mg/Kg	1	8/31/2023 6:15:21 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/31/2023 6:15:21 PM
Xylenes, Total	ND	0.097		mg/Kg	1	8/31/2023 6:15:21 PM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	8/31/2023 6:15:21 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	8200	300		mg/Kg	100	9/1/2023 7:49:21 AM

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

Qualifiers:

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

Page 7 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-12 2'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 10:45:00 AM

 Lab ID:
 2308F19-008
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/31/2023 11:46:23 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 11:46:23 PM
Surr: DNOP	124	69-147	%Rec	1	8/31/2023 11:46:23 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/31/2023 6:39:08 PM
Surr: BFB	97.6	15-244	%Rec	1	8/31/2023 6:39:08 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 6:39:08 PM
Toluene	ND	0.050	mg/Kg	1	8/31/2023 6:39:08 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/31/2023 6:39:08 PM
Xylenes, Total	ND	0.10	mg/Kg	1	8/31/2023 6:39:08 PM
Surr: 4-Bromofluorobenzene	108	39.1-146	%Rec	1	8/31/2023 6:39:08 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	300	60	mg/Kg	20	8/31/2023 6:50:48 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-12 3.5'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 11:00:00 AM

 Lab ID:
 2308F19-009
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	210	9.3	mg/Kg	1	9/1/2023 1:57:19 PM
Motor Oil Range Organics (MRO)	220	46	mg/Kg	1	9/1/2023 1:57:19 PM
Surr: DNOP	117	69-147	%Rec	1	9/1/2023 1:57:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/31/2023 7:02:50 PM
Surr: BFB	97.4	15-244	%Rec	1	8/31/2023 7:02:50 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 7:02:50 PM
Toluene	ND	0.050	mg/Kg	1	8/31/2023 7:02:50 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/31/2023 7:02:50 PM
Xylenes, Total	ND	0.099	mg/Kg	1	8/31/2023 7:02:50 PM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	8/31/2023 7:02:50 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	830	60	mg/Kg	20	8/31/2023 7:28:02 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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 9 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-12 4'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 11:15:00 AM

 Lab ID:
 2308F19-010
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	13	9.2	mg/Kg	1	9/1/2023 12:19:34 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	9/1/2023 12:19:34 AM
Surr: DNOP	126	69-147	%Rec	1	9/1/2023 12:19:34 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/31/2023 7:26:32 PM
Surr: BFB	96.4	15-244	%Rec	1	8/31/2023 7:26:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	8/31/2023 7:26:32 PM
Toluene	ND	0.049	mg/Kg	1	8/31/2023 7:26:32 PM
Ethylbenzene	ND	0.049	mg/Kg	1	8/31/2023 7:26:32 PM
Xylenes, Total	ND	0.097	mg/Kg	1	8/31/2023 7:26:32 PM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	8/31/2023 7:26:32 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	540	60	mg/Kg	20	8/31/2023 7:40:26 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 10 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-13 0'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 11:30:00 AM

 Lab ID:
 2308F19-011
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS					Analyst: PRD
Diesel Range Organics (DRO)	4900	100		mg/Kg	10	9/1/2023 12:30:37 AM
Motor Oil Range Organics (MRO)	3700	500		mg/Kg	10	9/1/2023 12:30:37 AM
Surr: DNOP	0	69-147	S	%Rec	10	9/1/2023 12:30:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2023 7:50:12 PM
Surr: BFB	129	15-244		%Rec	1	8/31/2023 7:50:12 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/31/2023 7:50:12 PM
Toluene	ND	0.049		mg/Kg	1	8/31/2023 7:50:12 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2023 7:50:12 PM
Xylenes, Total	ND	0.097		mg/Kg	1	8/31/2023 7:50:12 PM
Surr: 4-Bromofluorobenzene	110	39.1-146		%Rec	1	8/31/2023 7:50:12 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	9200	600		mg/Kg	200	9/1/2023 8:01:45 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-13 1'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 11:45:00 AM

 Lab ID:
 2308F19-012
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/1/2023 1:11:37 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/1/2023 1:11:37 AM
Surr: DNOP	109	69-147	%Rec	1	9/1/2023 1:11:37 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/31/2023 8:37:32 PM
Surr: BFB	95.4	15-244	%Rec	1	8/31/2023 8:37:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	8/31/2023 8:37:32 PM
Toluene	ND	0.047	mg/Kg	1	8/31/2023 8:37:32 PM
Ethylbenzene	ND	0.047	mg/Kg	1	8/31/2023 8:37:32 PM
Xylenes, Total	ND	0.093	mg/Kg	1	8/31/2023 8:37:32 PM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	8/31/2023 8:37:32 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	320	60	mg/Kg	20	8/31/2023 8:05:15 PM

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

Qualifiers:

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

Page 12 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-13 4'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 1:00:00 PM

 Lab ID:
 2308F19-013
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	12	9.3	mg/Kg	1	9/1/2023 1:22:42 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/1/2023 1:22:42 AM
Surr: DNOP	112	69-147	%Rec	1	9/1/2023 1:22:42 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/31/2023 9:01:05 PM
Surr: BFB	95.1	15-244	%Rec	1	8/31/2023 9:01:05 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 9:01:05 PM
Toluene	ND	0.050	mg/Kg	1	8/31/2023 9:01:05 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/31/2023 9:01:05 PM
Xylenes, Total	ND	0.099	mg/Kg	1	8/31/2023 9:01:05 PM
Surr: 4-Bromofluorobenzene	105	39.1-146	%Rec	1	8/31/2023 9:01:05 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	330	60	mg/Kg	20	8/31/2023 8:42:30 PM

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

Qualifiers:

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

Page 13 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-14 0'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 1:15:00 PM

 Lab ID:
 2308F19-014
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/1/2023 1:33:45 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/1/2023 1:33:45 AM
Surr: DNOP	127	69-147	%Rec	1	9/1/2023 1:33:45 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/31/2023 9:24:41 PM
Surr: BFB	96.6	15-244	%Rec	1	8/31/2023 9:24:41 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 9:24:41 PM
Toluene	ND	0.050	mg/Kg	1	8/31/2023 9:24:41 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/31/2023 9:24:41 PM
Xylenes, Total	ND	0.10	mg/Kg	1	8/31/2023 9:24:41 PM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	8/31/2023 9:24:41 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	2100	60	mg/Kg	20	8/31/2023 8:54:54 PM

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

Qualifiers:

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

ple pH Not In Range
orting Limit Page 14 of 23

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-14 2'

 Project:
 Hackberry 18
 Collection Date: 8/19/2023 1:30:00 PM

 Lab ID:
 2308F19-015
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 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	9/1/2023 1:44:47 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/1/2023 1:44:47 AM
Surr: DNOP	94.0	69-147	%Rec	1	9/1/2023 1:44:47 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/31/2023 10:11:38 PM
Surr: BFB	92.5	15-244	%Rec	1	8/31/2023 10:11:38 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	8/31/2023 10:11:38 PM
Toluene	ND	0.050	mg/Kg	1	8/31/2023 10:11:38 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/31/2023 10:11:38 PM
Xylenes, Total	ND	0.099	mg/Kg	1	8/31/2023 10:11:38 PM
Surr: 4-Bromofluorobenzene	102	39.1-146	%Rec	1	8/31/2023 10:11:38 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	2200	150	mg/Kg	50	9/1/2023 8:14:10 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

Limit Page 15 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F19**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: MB-77235 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77235 RunNo: 99401

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3627541 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77235 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77235 RunNo: 99401

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3627543 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.8 90 110

Sample ID: MB-77241 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77241 RunNo: 99389

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3628254 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77241 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77241 RunNo: 99389

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3628255 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.1 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
- 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 16 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F19**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: LCS-77177	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 77177	RunNo: 99380					
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627016	Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: DNOP	5.7 5.000	114 69	147				

Sample ID: LCS-7/185	Sampi	ype: LC	S	res	tCode: El	'A Method	8015M/D: Die	sei Range	Organics	
Client ID: LCSS	Batch	ID: 77 1	185	F	RunNo: 99	9380				
Prep Date: 8/30/2023	Analysis D	ate: 8/ 3	31/2023	9	SeqNo: 36	627017	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	61.9	130			
Surr: DNOP	6.6		5.000		131	69	147			

Sample ID: ME	B-77177	SampTy	/pe: MB l	LK	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics	
Client ID: PB	BS	Batch	ID: 771	77	F	RunNo: 99	9380				
Prep Date: 8	3/29/2023	Analysis Da	ate: 8/3	1/2023	9	SeqNo: 36	627018	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		12	•	10.00		116	69	147		•	

Sample ID: MB-77185	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batcl	n ID: 77 1	185	F	RunNo: 9	9380				
Prep Date: 8/30/2023	Analysis [Date: 8/ 3	31/2023	5	SeqNo: 30	627019	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	13		10.00		126	60	1/17			

Sample ID: LCS-77175	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	n ID: 77 1	175	F	RunNo: 99	9380				
Prep Date: 8/29/2023	Analysis D	oate: 8/3	31/2023	9	SeqNo: 30	627542	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	61.9	130			
Surr: DNOP	4.7		5.000		93.3	69	147			

Sample ID: LCS-77176	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 77176	RunNo: 99380
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627544 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.5 5.000	109 69 147

Surr: DNOP 5.5 5.000 109 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

Page 17 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F19**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: LCS-77208	SampType: L0	cs	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 77	208	F	RunNo: 9	9380						
Prep Date: 8/30/2023	Analysis Date: 8,	/31/2023	5	SeqNo: 30	627545	Units: %Red	;				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	5.9	5.000		119	69	147					
Sample ID: LCS-77213	SampType: L0	cs	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics			

Clier	it ID: LCSS	Batch	Batch ID: 77213			RunNo: 99380						
Prep	Date: 8/30/2023	Analysis D	ate: 8/	31/2023	5	SeqNo: 30	627547	Units: %Rec				
Anal	yte .	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sur	·· DNOP	53		5,000		105	69	147				

sample ID: MB-77175 SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS Batch ID: 77175			F	RunNo: 99380						
Prep Date: 8/29/2023	Analysis Date: 8/31/2023			SeqNo: 3627550			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	69	147			

Sample ID: MB-77176	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: PBS	Batch ID: 77176	RunNo: 99380				
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627552	Units: %Rec			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Surr: DNOP	13 10.00	126 69	147			

Sample ID: MB-77208	SampType: MBLK	TestCode: EPA Method	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 77208	RunNo: 99380							
Prep Date: 8/30/2023	Analysis Date: 8/31/2023	SeqNo: 3627556	Units: %Rec						
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Surr: DNOP	13 10.0	0 131 69	147	_					

Sample ID: MB-77213	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range	Organics
Client ID: PBS	Batch ID: 77213	RunNo: 99380	
Prep Date: 8/30/2023	Analysis Date: 8/31/20	SeqNo: 3627557 Units: %Rec	
Analyte	Result PQL SPI	alue SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual

Surr: DNOP 11 10.00 108 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

Page 18 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F19**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: Ics-77140	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 77140	RunNo: 99342						
Prep Date: 8/28/2023	Analysis Date: 8/30/2023	SeqNo: 3624717 Units: %Rec						
Analyte	Result POI SPK value SPK Re	of Val. %REC. LowLimit HighLimit %RPD RPDLimit Qual						

Surr: BFB 1900 1000 192 15 244

Sample ID: mb-77140 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 77140 RunNo: 99342 Prep Date: 8/28/2023 Analysis Date: 8/30/2023 SeqNo: 3624718 Units: %Rec %REC %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit Qual Surr: BFB 950 1000 94.7 15 244

Sample ID: Ics-77168 TestCode: EPA Method 8015D: Gasoline Range SampType: LCS Client ID: LCSS Batch ID: 77168 RunNo: 99342 Prep Date: Analysis Date: 8/30/2023 SeqNo: 3625866 Units: mg/Kg 8/29/2023 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Gasoline Range Organics (GRO) 22 88.6 25.00 70 130 Surr: BFB 1900 1000 195 15 244

TestCode: EPA Method 8015D: Gasoline Range Sample ID: mb-77168 SampType: MBLK Client ID: PBS Batch ID: 77168 RunNo: 99342 Prep Date: 8/29/2023 Analysis Date: 8/30/2023 SeqNo: 3625867 Units: mg/Kg %RPD Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 960 1000 96.0 15 244

Sample ID: Ics-77179	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 77179			F	RunNo: 99366					
Prep Date: 8/29/2023 Analysis Date: 8/31/2023			5	SeqNo: 3627634 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.6	70	130			
Surr: BFB	2000		1000		203	15	244			

Sample ID: Ics-77198	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 77198	RunNo: 99366
Prep Date: 8/30/2023	Analysis Date: 9/1/2023	SeqNo: 3627635 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr BER	1900 1000	193 15 244

Surr: BFB 1900 1000 193 15 244

Qualifiers:

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

Page 19 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: 2308F19 11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: 2308f19-005amsd

Sample ID: mb-77198 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: 77198 RunNo: 99366

SampType: MSD

Prep Date: 8/30/2023 Analysis Date: 9/1/2023 SeqNo: 3627636 Units: %Rec

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

Surr: BFB 940 1000 93.9 15 244

Sample ID: 2308f19-005ams TestCode: EPA Method 8015D: Gasoline Range SampType: MS Client ID: BH23-11 0' Batch ID: 77179 RunNo: 99366 Prep Date: 8/29/2023 Analysis Date: 8/31/2023 SeqNo: 3627638 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 48 95.2

Gasoline Range Organics (GRO) 23 24.04 70 130 Surr: BFB 1900 961.5 200 15 244

Batch ID: 77179 Client ID: BH23-11 0' RunNo: 99366 Prep Date: 8/29/2023 Analysis Date: 8/31/2023 SeqNo: 3627639 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

TestCode: EPA Method 8015D: Gasoline Range

23 Gasoline Range Organics (GRO) 4.8 24.13 n 93.8 70 130 1.10 20 Surr: BFB 1900 965.3 200 15 244 0

Sample ID: mb-77179 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: **PBS** Batch ID: 77179 RunNo: 99366 Analysis Date: 8/31/2023 Prep Date: 8/29/2023 SeqNo: 3627706 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 980 1000 98.3 15 244

Sample ID: Ics-77172 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 77172 RunNo: 99411 Prep Date: 8/29/2023 Analysis Date: 9/2/2023 SeqNo: 3628857 Units: %Rec SPK value SPK Ref Val %RPD **RPDLimit** Qual Analyte Result PQL %REC LowLimit HighLimit Surr: BFB 1900 1000 191 15 244

Sample ID: **mb-77172** SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 77172 RunNo: 99411 Prep Date: Analysis Date: 9/2/2023 SeqNo: 3628859 Units: %Rec 8/29/2023 Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

940 1000 Surr: BFB 93.5 15 244

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

Page 20 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F19** *11-Sep-23*

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: LCS-77168	Samn	Type: LC	S	Tes	tCode: FF	PΔ Method	8021B: Volati	les		
							OUL ID. VOIALI			
Client ID: LCSS	Batc	1 ID: 771	168	r	RunNo: 99342					
Prep Date: 8/29/2023	Analysis [Date: 8/ 3	30/2023	5	SeqNo: 36	625922	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	102	70	130			
Toluene	1.0	0.050	1.000	0	103	70	130			
Ethylbenzene	1.1	0.050	1.000	0	105	70	130			
Xylenes, Total	3.2	0.10	3.000	0	107	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146			
Sample ID: mb-77168	Tes	tCode: EF	PA Method	8021B: Volati	les					
Client ID: PBS	ID: PBS Batch ID: 77168			F	RunNo: 99	9342				
Prep Date: 8/29/2023	Analysis [Date: 8/ 3	30/2023	5	SeqNo: 3625923 Units: mg/Kg			g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146			
Sample ID: LCS-77179	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les	·	·
Client ID: LCSS	Batc	h ID: 77 1	179	F	RunNo: 99366					
Prep Date: 8/29/2023	Analysis [Date: 8/ 3	31/2023	SeqNo: 3627739 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-77198	Samp	Type: LCS		Tes	tCode: EPA	Method 802	21B: Volatiles	
Surr: 4-Bromofluorobenzene	1.1		1.000		110	39.1	146	
Xylenes, Total	3.3	0.10	3.000	0	112	70	130	
Ethylbenzene	1.1	0.050	1.000	0	111	70	130	
Toluene	1.1	0.050	1.000	0	108	70	130	
Benzene	1.1	0.025	1.000	0	108	70	130	
,							0	

Sample ID: LCS-77198	SampType: Lo	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 77	RunNo: 99366							
Prep Date: 8/30/2023	Analysis Date: 9	/1/2023	5	SeqNo: 36	27740	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1	1.000		106	39.1	146			

Sample ID: mb-77198	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles	
Client ID: PBS	Batch ID: 77198	RunNo: 99366	
Prep Date: 8/30/2023	Analysis Date: 9/1/2023	SeqNo: 3627741 Units: %Rec	
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

Page 21 of 23

Hall Environmental Analysis Laboratory, Inc.

1.1

WO#: 2308F19

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Surr: 4-Bromofluorobenzene

Sample ID: mb-77198 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: **PBS** Batch ID: 77198 RunNo: 99366

Prep Date: 8/30/2023 Analysis Date: 9/1/2023 SeqNo: 3627741 Units: %Rec

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

106

39 1

146

Sample ID: mb-77179 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

1.000

Client ID: PBS Batch ID: 77179 RunNo: 99366

Prep Date: 8/29/2023 Analysis Date: 8/31/2023 SeqNo: 3627742 Units: mg/Kg

RPDLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual Benzene ND 0.025

ND 0.050 Toluene Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.1 1.000 107 39 1 146

Sample ID: 2308f19-006ams TestCode: EPA Method 8021B: Volatiles SampType: MS

Client ID: BH23-11 2' Batch ID: 77179 RunNo: 99366

Prep Date: 8/29/2023 Analysis Date: 8/31/2023 SeqNo: 3627828 Units: mg/Kg

LowLimit **RPDLimit** Result PQL SPK value SPK Ref Val %REC HighLimit %RPD Qual Analyte 0.025 0.9833 0 108 70 130 Renzene 1 1 Toluene 1.1 0.049 0.9833 0 109 70 130 0 70 Ethylbenzene 1 1 0.049 0.9833 110 130 Xylenes, Total 3.3 0.098 2.950 0 112 70 130 Surr: 4-Bromofluorobenzene 0.9833 105 146 1.0 39 1

Sample ID: 2308f19-006amsd TestCode: EPA Method 8021B: Volatiles SampType: MSD Client ID: BH23-11 2' Batch ID: 77179 RunNo: 99366

Prep Date: 8/29/2023 Analysis Date: 8/31/2023 SeqNo: 3627829 Units: mg/Kg

RPDLimit POL SPK value SPK Ref Val %REC HighLimit %RPD Analyte Result LowLimit Qual Benzene 1.1 0.025 0.9843 0 112 70 130 3.45 20 0 20 Toluene 1.1 0.049 0.9843 112 70 130 3.04 Ethylbenzene 0.049 0.9843 0 114 70 130 3.30 20 1.1 0 20 Xylenes, Total 3.4 0.098 2.953 116 70 130 3.72 Surr: 4-Bromofluorobenzene 1.0 0.9843 104 146 0 0 39.1

Sample ID: LCS-77172 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: **LCSS** Batch ID: 77172 RunNo: 99411

Prep Date: Analysis Date: 9/2/2023 Units: %Rec 8/29/2023 SeqNo: 3628971

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

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

POL Practical Quanitative Limit

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

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

Page 22 of 23

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F19**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18

Sample ID: LCS-77172 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 77172 RunNo: 99411

Prep Date: 8/29/2023 Analysis Date: 9/2/2023 SeqNo: 3628971 Units: %Rec

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

Surr: 4-Bromofluorobenzene 1.1 1.000 108 39.1 146

Sample ID: mb-77172 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 77172 RunNo: 99411

Prep Date: 8/29/2023 Analysis Date: 9/2/2023 SegNo: 3628973 Units: %Rec

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

Surr: 4-Bromofluorobenzene 1.0 1.000 105 39.1 146

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of 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 23 of 23

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Released to Imaging: 11/13/2025 8:39:02 AM

LABORA		Website: www	.hallenvironmental.	com		
	ertex Resources ervices, Inc.	Work Order Numb	per: 2308F19		RcptNo: 1	
Received By: T	racy Casarrubias	8/29/2023 7:55:00 /	AM			
Completed By: T	racy Casarrubias	8/29/2023 8:29:12	AM			
Reviewed By:	1 8-29-23					
Chain of Custod	dy					
1. Is Chain of Custo	ody complete?		Yes 🗌	No 🔽	Not Present	
2. How was the san	mple delivered?		Courier			
Log In						
3. Was an attempt i	made to cool the sample	es?	Yes 🔽	No 📙	NA 📙	
4. Were all samples	received at a temperat	ure of >0° C to 6.0°C	Yes 🔽	No 🗌	NA \square	
5. Sample(s) in prop	per container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample	volume for indicated te	st(s)?	Yes 🗹	No 🗌		
7. Are samples (exc	ept VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌		
8. Was preservative	added to bottles?		Yes 🗌	No 🗸	NA \square	
9. Received at least	: 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any sample	e containers received br	oken?	Yes	No 🔽	<i>".</i> • • • • • • • • • • • • • • • • • • •	
					# of preserved bottles checked	
11. Does paperwork			Yes 🗹	No 🗌	for pH:	12 unless noted)
	ies on chain of custody) ectly identified on Chair		Yes 🗸	No 🗌	Adjusted?	12 unless rioted)
	nalyses were requested?		Yes 🗹	No 🗆		11
	times able to be met?		Yes 🗹	No 🗌	enecked by:	v8/29/2
	omer for authorization.)		163 🖭			
Special Handling	g (if applicable)					
15. Was client notifie	ed of all discrepancies w	vith this order?	Yes 🗌	No 🗌	NA 🗹	
Person No	tified:	Date				
By Whom:	1	Via:	eMail F	Phone Fax	In Person	
Regarding						
Client Instr	ructions: Mailing addre	ss.phone number and Em	nail/Fax are missin	q on COC- TMC	8/29/23	
16. Additional rema	rks:					
	not relinquish chain of c	ustody				
17. Cooler Informa	ation					

Cooler No

Temp °C

5.6

Condition

Good

Seal Intact

Yes

Seal No

Yogi

Seal Date

Signed By

C	hain-	of-Cu	ustody Reco	rd	Turn-	Around	Time:		3 Day	M			Н	AL	L	Eľ	VV	IR	201	NM	EN	TA	L
Client:	Verte.	x CD	evan)		W/S	tandard		Rush	3 DAY													OR	
						ct Name		1 19					,	www	.hall	lenvi	ironr	nent	al.co	m			
Mailing	Address	: 00	file		17	ackber	ry	18			490	01 H	awki	ns N	E -	Alb	uque	erque	e, NN	M 871	09		
	· · · · · · · · · · · · · · · · · · ·	1	·//C		Proje	ct #:	12 1000				Τe	el. 50	5-34	5-39	75	F	ax	505-	345-	4107	leri .		1,1
Phone #	4.				1 2	3E-	039	03	END DO NOT THE REAL PROPERTY.						A	naly	sis I	Req	uest				
email o						ct Mana		90(100)		E	(Ĉ					SO4			ent)		and an		
QA/QC I	Package:				IV.	ent S	ال. ك	lauc		(8021)	/ MRO)	PCB's		S₩		PO ₄ ,			Abs	14		-	
□ Stan	dard		☐ Level 4 (Full Val	idation)	<u></u>	2117 3	Tan	ענייי		၂ ဟ	/ DRO			Z02					ent/				
Accredi	tation:	☐ Az C	ompliance				ach	Engl	her	TMB		808	4.1	r 82	- 61	NO ₂ ,		7	Coliform (Present/Absent)				
□ NEL		□ Othe	r		On lo	ce: Coolers:	_	s J	□ No yog1	<u>Ä</u>	GRG	des/	d 50	100	tals	NO3,		0	E)				
□ EDD	(1ype)_ [T					CF): 5.5	7-0.1=5.6 (°C)	MTBE,	5D(stici	stho	83	Me	Z	(V)	(Semi-VOA)	lifor				
			×				C CONTRACTOR	1 1 1 1		(E)	801	Pe	Ž	s by	X 8	F, Br,	Š	S) (S	2				
D.1.	T:	h d mánis c	Sample Name			ainer and#	Prese	ervative	HEAL No. 2308 F 19	8TEX	7PH)8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(D)	8260 (VOA)	8270	Total				
Date (Call 12		Matrix	13H23-01	0-	1	•	i /	0		17	i					T			1 (11)	T LIVE I			
8-19-23		801			+	Jar	1 (001	+	H					+							
	9:15		BH23-09	2	-	-	2.1%	. 1111 75	002	+	\vdash	_				+					U'ne st-	-	\vdash
	930	11	B H23-10	0,	_			1 50 50	003	1+					460	+	- 11		11142		- I		
	9 45		BH23-17	2					004	\vdash	1		150))	+	lara.	1			_	_	$\vdash \vdash$
	10 00		BH23-11	0,					005	\sqcup	Ш		-	12	7 (P	- 1	17144		Virginia.				
	10 15	Clabella Co	13/127-11	2				7 7 11	000						Wa 118		1001.003	l'A-s	la m		A III	1	-
	10 30		BH23- 12	0					007							4				Service of			
	10 45	Li min	RH23- 12	2		ñ		51	00%					116		1					100		1111
	11 00		BH23-12	3.5			3.0	Caluari III-v	009		Ш			20H,500 21.00	i p			17 17			67 15		<u> </u>
	11 15		BH23- 12	4		1 1			010							Ш		A KORGET P	LUNYA		EMP WI	1	
1-11-	1130	/	BH23- 13	Ó			1 1115	MANERAL SE	011				1114	114		Ц,					100		
	11 45	V	3423-13	2		V		V	012		V				W DES	V	6, 64	160 P	gyshar gyshar	- 4 /4	The Pass		
Date:	Time:	Relinquis	hed by:		Rece	ived by:	Via:	registra	Date Time	Re	mark	is: Y	sirc	ct	B	11:	to		Dei	ron			
			<u> </u>		CU	luc	u	N	8/28/23 845				-	1	(5)	41	ling	5 @	2 1/6	erfe	K C	9	
Date:	Time:	Relinquis	shed-by:		Rece	ived by:	Via	Eaun	Date Time					a	ho	~~	26	Ve	est	von exte	29		
ohoh3	1900	acr	Cynny		2				9/29/27 7:55	P1 17	11, 102				-1	100	0.0	111				report.	1 1

Chain-of-Custody Record	Turn-Around Time:	_
Client: Vertex (Devon)	Standard Rush 3047 Project Name: HALL ENVIRONMENTA ANALYSIS LABORATOR	
Mailing Address:	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109	
	Project #: Tel. 505-345-3975 Fax 505-345-4107	
Phone #:	23E-03903 Analysis Request	CT HA
email or Fax#:	Project Manager: (12 ON 8 CO ON 15 O	
QA/QC Package: □ Standard □ Level 4 (Full Validation)	Sampler: Zach Findert On Ice: Dies No 1001 No	
Accreditation: □ Az Compliance □ NELAC □ Other	Sampler: Zach F Mage 4 On Ice: A Ass D No A Od 1 No Ass D No Ass	
□ EDD (Type)	# of Coolers: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Date Time Matrix Sample Name	Project Manager: Collice: Co	
8-19-23 13:00 5011 BH23-13 4-	Viar ice 013	
1 13:15 BH23-14 0	014	
V 13:30 V B H23-14 2	V V OIS JUV I	
		_
		+
		-
		_
Date: Time: Relinquished by:	Received by: Via: Date Time Remarks: Direct Bill to Devon	
Date: Time: Relinquished by:	Received by: Via: com Date Time a harris @ vertex, cq	



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

September 11, 2023

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

RE: Hackberry 18 Fed 2 OrderNo.: 2308F20

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 16 sample(s) on 8/29/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-15 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 9:00:00 AM

 Lab ID:
 2308F20-001
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 1:32:00 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 1:32:00 PM
Surr: DNOP	123	69-147	%Rec	1	8/31/2023 1:32:00 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/1/2023 11:42:17 AM
Surr: BFB	92.2	15-244	%Rec	1	9/1/2023 11:42:17 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	9/1/2023 11:42:17 AM
Toluene	ND	0.050	mg/Kg	1	9/1/2023 11:42:17 AM
Ethylbenzene	ND	0.050	mg/Kg	1	9/1/2023 11:42:17 AM
Xylenes, Total	ND	0.099	mg/Kg	1	9/1/2023 11:42:17 AM
Surr: 4-Bromofluorobenzene	105	39.1-146	%Rec	1	9/1/2023 11:42:17 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	84	60	mg/Kg	20	8/31/2023 10:50:53 PM

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

Qualifiers:

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

rting Limit Page 1 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-15 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 9:15:00 AM

 Lab ID:
 2308F20-002
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	8/31/2023 1:55:55 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/31/2023 1:55:55 PM
Surr: DNOP	126	69-147	%Rec	1	8/31/2023 1:55:55 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/1/2023 12:05:44 PM
Surr: BFB	92.1	15-244	%Rec	1	9/1/2023 12:05:44 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 12:05:44 PM
Toluene	ND	0.049	mg/Kg	1	9/1/2023 12:05:44 PM
Ethylbenzene	ND	0.049	mg/Kg	1	9/1/2023 12:05:44 PM
Xylenes, Total	ND	0.097	mg/Kg	1	9/1/2023 12:05:44 PM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	9/1/2023 12:05:44 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	860	60	mg/Kg	20	8/31/2023 11:03:18 PM

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

Qualifiers:

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

Page 2 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-16 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 9:30:00 AM

 Lab ID:
 2308F20-003
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	100	9.9	mg/Kg	1	8/31/2023 2:19:49 PM
Motor Oil Range Organics (MRO)	140	50	mg/Kg	1	8/31/2023 2:19:49 PM
Surr: DNOP	84.1	69-147	%Rec	1	8/31/2023 2:19:49 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 1:19:12 AM
Surr: BFB	89.6	15-244	%Rec	1	9/1/2023 1:19:12 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 1:19:12 AM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 1:19:12 AM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 1:19:12 AM
Xylenes, Total	ND	0.096	mg/Kg	1	9/1/2023 1:19:12 AM
Surr: 4-Bromofluorobenzene	100	39.1-146	%Rec	1	9/1/2023 1:19:12 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	1300	60	mg/Kg	20	8/31/2023 11:15:42 PM

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

Qualifiers:

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

Page 3 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-16 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 9:45:00 AM

 Lab ID:
 2308F20-004
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/31/2023 2:43:46 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/31/2023 2:43:46 PM
Surr: DNOP	101	69-147	%Rec	1	8/31/2023 2:43:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 1:42:34 AM
Surr: BFB	91.5	15-244	%Rec	1	9/1/2023 1:42:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 1:42:34 AM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 1:42:34 AM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 1:42:34 AM
Xylenes, Total	ND	0.096	mg/Kg	1	9/1/2023 1:42:34 AM
Surr: 4-Bromofluorobenzene	103	39.1-146	%Rec	1	9/1/2023 1:42:34 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	1900	60	mg/Kg	20	8/31/2023 11:28:06 PM

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

Qualifiers:

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

Page 4 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 10:00:00 AM

 Lab ID:
 2308F20-005
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/31/2023 3:07:39 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/31/2023 3:07:39 PM
Surr: DNOP	148	69-147	S	%Rec	1	8/31/2023 3:07:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/1/2023 2:06:01 AM
Surr: BFB	93.3	15-244		%Rec	1	9/1/2023 2:06:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	9/1/2023 2:06:01 AM
Toluene	ND	0.047		mg/Kg	1	9/1/2023 2:06:01 AM
Ethylbenzene	ND	0.047		mg/Kg	1	9/1/2023 2:06:01 AM
Xylenes, Total	ND	0.093		mg/Kg	1	9/1/2023 2:06:01 AM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/1/2023 2:06:01 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	8/31/2023 11:40:30 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 10:15:00 AM

 Lab ID:
 2308F20-006
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/31/2023 3:31:38 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/31/2023 3:31:38 PM
Surr: DNOP	121	69-147	%Rec	1	8/31/2023 3:31:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/1/2023 2:29:22 AM
Surr: BFB	91.3	15-244	%Rec	1	9/1/2023 2:29:22 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	9/1/2023 2:29:22 AM
Toluene	ND	0.050	mg/Kg	1	9/1/2023 2:29:22 AM
Ethylbenzene	ND	0.050	mg/Kg	1	9/1/2023 2:29:22 AM
Xylenes, Total	ND	0.099	mg/Kg	1	9/1/2023 2:29:22 AM
Surr: 4-Bromofluorobenzene	103	39.1-146	%Rec	1	9/1/2023 2:29:22 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	8/31/2023 11:52:55 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-18 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 10:30:00 AM

 Lab ID:
 2308F20-007
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/31/2023 3:55:31 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/31/2023 3:55:31 PM
Surr: DNOP	117	69-147	%Rec	1	8/31/2023 3:55:31 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/1/2023 2:52:49 AM
Surr: BFB	93.6	15-244	%Rec	1	9/1/2023 2:52:49 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	9/1/2023 2:52:49 AM
Toluene	ND	0.049	mg/Kg	1	9/1/2023 2:52:49 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/1/2023 2:52:49 AM
Xylenes, Total	ND	0.098	mg/Kg	1	9/1/2023 2:52:49 AM
Surr: 4-Bromofluorobenzene	105	39.1-146	%Rec	1	9/1/2023 2:52:49 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	5000	150	mg/Kg	50	9/1/2023 7:24:32 AM

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

Qualifiers:

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

Page 7 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-18 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 10:45:00 AM

 Lab ID:
 2308F20-008
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/31/2023 4:19:22 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/31/2023 4:19:22 PM
Surr: DNOP	136	69-147	%Rec	1	8/31/2023 4:19:22 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/1/2023 3:16:31 AM
Surr: BFB	92.8	15-244	%Rec	1	9/1/2023 3:16:31 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 3:16:31 AM
Toluene	ND	0.047	mg/Kg	1	9/1/2023 3:16:31 AM
Ethylbenzene	ND	0.047	mg/Kg	1	9/1/2023 3:16:31 AM
Xylenes, Total	ND	0.095	mg/Kg	1	9/1/2023 3:16:31 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	9/1/2023 3:16:31 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	550	60	mg/Kg	20	9/1/2023 12:42:33 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

ple pH Not In Range Page 8 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-19 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 11:00:00 AM

 Lab ID:
 2308F20-009
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 4:43:15 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/31/2023 4:43:15 PM
Surr: DNOP	136	69-147	%Rec	1	8/31/2023 4:43:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/1/2023 3:40:00 AM
Surr: BFB	91.0	15-244	%Rec	1	9/1/2023 3:40:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 3:40:00 AM
Toluene	ND	0.049	mg/Kg	1	9/1/2023 3:40:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/1/2023 3:40:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	9/1/2023 3:40:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146	%Rec	1	9/1/2023 3:40:00 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	200	60	mg/Kg	20	9/1/2023 12:34:08 PM

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

Qualifiers:

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

ple pH Not In Range Page 9 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-19 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 11:15:00 AM

 Lab ID:
 2308F20-010
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/31/2023 5:07:20 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/31/2023 5:07:20 PM
Surr: DNOP	121	69-147	%Rec	1	8/31/2023 5:07:20 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/1/2023 4:03:23 AM
Surr: BFB	94.4	15-244	%Rec	1	9/1/2023 4:03:23 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 4:03:23 AM
Toluene	ND	0.049	mg/Kg	1	9/1/2023 4:03:23 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/1/2023 4:03:23 AM
Xylenes, Total	ND	0.097	mg/Kg	1	9/1/2023 4:03:23 AM
Surr: 4-Bromofluorobenzene	106	39.1-146	%Rec	1	9/1/2023 4:03:23 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	860	60	mg/Kg	20	9/1/2023 1:11:22 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 10 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-20 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 11:30:00 AM

 Lab ID:
 2308F20-011
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA				Analyst: DGH	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 5:31:39 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/31/2023 5:31:39 PM
Surr: DNOP	127	69-147	%Rec	1	8/31/2023 5:31:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 4:26:46 AM
Surr: BFB	95.0	15-244	%Rec	1	9/1/2023 4:26:46 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 4:26:46 AM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 4:26:46 AM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 4:26:46 AM
Xylenes, Total	ND	0.096	mg/Kg	1	9/1/2023 4:26:46 AM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	9/1/2023 4:26:46 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	5000	150	mg/Kg	50	9/5/2023 9:55:04 AM

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

Qualifiers:

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

Page 11 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-20 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 11:45:00 AM

 Lab ID:
 2308F20-012
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG				Analyst: DGH	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 5:56:18 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 5:56:18 PM
Surr: DNOP	70.3	69-147	%Rec	1	8/31/2023 5:56:18 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/1/2023 5:13:34 AM
Surr: BFB	92.6	15-244	%Rec	1	9/1/2023 5:13:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 5:13:34 AM
Toluene	ND	0.047	mg/Kg	1	9/1/2023 5:13:34 AM
Ethylbenzene	ND	0.047	mg/Kg	1	9/1/2023 5:13:34 AM
Xylenes, Total	ND	0.094	mg/Kg	1	9/1/2023 5:13:34 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	9/1/2023 5:13:34 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	1600	60	mg/Kg	20	9/1/2023 2:01:01 PM

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

Qualifiers:

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

Page 12 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-21 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 12:00:00 PM

 Lab ID:
 2308F20-013
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/31/2023 6:46:17 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 6:46:17 PM
Surr: DNOP	83.3	69-147	%Rec	1	8/31/2023 6:46:17 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 5:37:03 AM
Surr: BFB	91.8	15-244	%Rec	1	9/1/2023 5:37:03 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 5:37:03 AM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 5:37:03 AM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 5:37:03 AM
Xylenes, Total	ND	0.097	mg/Kg	1	9/1/2023 5:37:03 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	9/1/2023 5:37:03 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	540	60	mg/Kg	20	9/1/2023 2:13:25 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-21 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 12:15:00 PM

 Lab ID:
 2308F20-014
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 7:11:12 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/31/2023 7:11:12 PM
Surr: DNOP	138	69-147	%Rec	1	8/31/2023 7:11:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 6:00:36 AM
Surr: BFB	92.6	15-244	%Rec	1	9/1/2023 6:00:36 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 6:00:36 AM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 6:00:36 AM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 6:00:36 AM
Xylenes, Total	ND	0.095	mg/Kg	1	9/1/2023 6:00:36 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	1	9/1/2023 6:00:36 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	620	60	mg/Kg	20	9/1/2023 2:25:50 PM

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

Qualifiers:

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

Page 14 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-22 0'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 12:30:00 PM

 Lab ID:
 2308F20-015
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/31/2023 7:35:58 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/31/2023 7:35:58 PM
Surr: DNOP	74.8	69-147	%Rec	1	8/31/2023 7:35:58 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 6:24:03 AM
Surr: BFB	95.4	15-244	%Rec	1	9/1/2023 6:24:03 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 6:24:03 AM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 6:24:03 AM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 6:24:03 AM
Xylenes, Total	ND	0.095	mg/Kg	1	9/1/2023 6:24:03 AM
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	9/1/2023 6:24:03 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	97	60	mg/Kg	20	9/1/2023 3:03:05 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 15 of 22

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-22 2'

 Project:
 Hackberry 18 Fed 2
 Collection Date: 8/20/2023 12:45:00 PM

 Lab ID:
 2308F20-016
 Matrix: SOIL
 Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/31/2023 8:00:44 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/31/2023 8:00:44 PM
Surr: DNOP	98.0	69-147	%Rec	1	8/31/2023 8:00:44 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/1/2023 6:47:28 AM
Surr: BFB	97.5	15-244	%Rec	1	9/1/2023 6:47:28 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	9/1/2023 6:47:28 AM
Toluene	ND	0.047	mg/Kg	1	9/1/2023 6:47:28 AM
Ethylbenzene	ND	0.047	mg/Kg	1	9/1/2023 6:47:28 AM
Xylenes, Total	ND	0.094	mg/Kg	1	9/1/2023 6:47:28 AM
Surr: 4-Bromofluorobenzene	105	39.1-146	%Rec	1	9/1/2023 6:47:28 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	220	60	mg/Kg	20	9/1/2023 3:15:30 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 16 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F20** *11-Sep-23*

Client: Vertex Resources Services, Inc.

Project: Hackberry 18 Fed 2

Sample ID: MB-77246 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77246 RunNo: 99401

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3627582 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77246 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77246 RunNo: 99401

Prep Date: 8/31/2023 Analysis Date: 8/31/2023 SeqNo: 3627583 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.7 90 110

Sample ID: MB-77256 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77256 RunNo: 99424

Prep Date: 9/1/2023 Analysis Date: 9/1/2023 SeqNo: 3629903 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77256 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77256 RunNo: 99424

Prep Date: 9/1/2023 Analysis Date: 9/1/2023 SeqNo: 3629904 Units: mg/Kg

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

Chloride 16 1.5 15.00 0 105 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
- 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 17 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F20**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18 Fed 2

Sample ID: LCS-77	177 Samp	SampType: LCS TestCode: EPA Method 8					8015M/D: Dies	el Range	Organics	
Client ID: LCSS	Bato	ch ID: 771	77	RunNo: 99380						
Prep Date: 8/29/20	23 Analysis	Date: 8/3	1/2023	SeqNo: 3627016			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.7		5.000		114	69	147			
Sample ID: MB-771	77 Samp	Туре: МВІ	LK	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics	
Client ID: PBS	Bato	ch ID: 771	77	F	tunNo: 99	9380				
Prep Date: 8/29/20	23 Analysis	Date: 8/3	1/2023	8	SeqNo: 36	627018	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		116	69	147			
Sample ID: LCS-77	176 Samp	SampType: LCS TestCode: EPA Method					8015M/D: Dies	el Range	Organics	
Client ID: LCSS	Bato	ch ID: 771 7	76	RunNo: 99380						
Prep Date: 8/29/20	D23 Analysis	Date: 8/3	1/2023	8	SeqNo: 36	627544	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		109	69	147			
Sample ID: LCS-772	208 Samp	Type: LCS		Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics	
Client ID: LCSS	Bato	h ID: 7720	08	F	tunNo: 99	9380				
Prep Date: 8/30/20	23 Analysis	Date: 8/3	1/2023	5	SeqNo: 36	627545	Units: mg/Kg	J		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (D	•	10	50.00	0	110	61.9	130			
Surr: DNOP	5.9		5.000		119	69	147			
Sample ID: LCS-772	213 Samp	Type: LCS	;	TestCode: EPA Method 8015M/D: Diesel Range Organics						

Gap.G	200 11210	C ap.,	P 0. L 0	•	. Second Li A metriod of form, D. Dieser Karige organios								
Client ID:	LCSS	Batch	ID: 772	213 RunNo: 99380									
Prep Date:	8/30/2023	Analysis Da	ite: 8/ 3	31/2023	SeqNo: 3627547			Units: %Rec					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP		5.3		5.000		105	69	147					

Sample ID: MB-77176 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: Batch ID: 77176 PBS RunNo: 99380 Analysis Date: 8/31/2023 Prep Date: 8/29/2023 SeqNo: 3627552 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Surr: DNOP 13 10.00 126 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

Page 18 of 22

Hall Environmental Analysis Laboratory, Inc.

2308F20

WO#:

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18 Fed 2

Sample ID: MB-77208 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 77208 RunNo: 99380 Prep Date: 8/30/2023 Analysis Date: 8/31/2023 SeqNo: 3627556 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Result LowLimit Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 13 10.00 131 69 147

Sample ID: MB-77213 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 77213 RunNo: 99380 Prep Date: 8/30/2023 Analysis Date: 8/31/2023 SeqNo: 3627557 Units: %Rec Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Surr: DNOP 11 10.00 108 69 147

Qualifiers:

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

Page 19 of 22

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F20**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18 Fed 2

Sample ID: Ics-77198	SampType: LCS	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 77198	RunNo: 99366						
Prep Date: 8/30/2023	Analysis Date: 9/1/2023	SeqNo: 3627635 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Gasoline Range Organics (GRO) Surr: BFB	22 5.0 25.00 1900 1000	0 88.2 70 130 193 15 244						
Sample ID: mb-77198	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 77198	RunNo: 99366						
Prep Date: 8/30/2023	Analysis Date: 9/1/2023	SeqNo: 3627636 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 940 1000	93.9 15 244						
Sample ID: Ics-77172	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 77172	RunNo: 99411						
Prep Date: 8/29/2023	Analysis Date: 9/2/2023	SeqNo: 3628857 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: BFB	1900 1000	191 15 244						
Sample ID: mb-77172	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 77172	RunNo: 99411						
Prep Date: 8/29/2023	Analysis Date: 9/2/2023	SeqNo: 3628859 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: BFB	940 1000	93.5 15 244						
Sample ID: 2308f20-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH23-15 0'	Batch ID: 77198	Batch ID: 77198 RunNo: 99411						

Sample ID: 2	308120-001ams	Samp rype. MS resicode. EPA Method						8015D: Gaso	ine Range		
Client ID: B	3H23-15 0'	Batch ID: 77198 RunNo: 99411									
Prep Date:	8/30/2023	Analysis D	Date: 9/	1/2023	S	SeqNo: 36	628886	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range (Organics (GRO)	23	5.0	24.85	0	92.8	70	130			
Surr: BFB		2000		994.0		203	15	244			

Sample ID: 2308f20-001amsd	SampT	SampType: MSD TestCode: EPA Method 8					8015D: Gaso	line Range				
Client ID: BH23-15 0'	Batch	Batch ID: 77198 RunNo: 99411										
Prep Date: 8/30/2023	Analysis D)ate: 9/	1/2023	SeqNo: 3628887			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	22	5.0	24.83	0	89.5	70	130	3.74	20			
Surr: BFB	2000		993.0		201	15	244	0	0			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 20 of 22

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F20** *11-Sep-23*

Client: Vertex Resources Services, Inc.

Project: Hackberry 18 Fed 2

Sample ID: LCS-77198 SampType: LCS				TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batcl	n ID: 771	98	F	RunNo: 99							
Prep Date: 8/30/2023	Analysis [Date: 9/ 1	1/2023	9	SeqNo: 36	627740	Units: mg/Kg					
Analyte	Result PQL SPK value S			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.1	0.025	1.000	0	106	70	130					
Toluene	1.0	0.050	1.000	0	105	70	130					
Ethylbenzene	1.1	0.050	1.000	0	106	70	130					
Xylenes, Total	3.2	0.10	3.000	0	106	70	130					
Surr: 4-Bromofluorobenzene	1.1		1.000		106	39.1	146					

Sample ID: mb-77198	SampT	уре: МЕ	BLK	Tes	tCode: EF								
Client ID: PBS	Batch ID: 77198 RunNo: 99366					9366							
Prep Date: 8/30/2023	Analysis D	ate: 9/	9/1/2023 SeqNo: 3627741					Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	1.1		1.000		106	39.1	146						

Sample ID: 2308f20-002ams SampType: MS				TestCode: EPA Method 8021B: Volatiles									
Client ID: BH23-15 2'	Batcl	Batch ID: 77198 RunNo: 99411											
Prep Date: 8/30/2023	Analysis D	Date: 9/	1/2023	SeqNo: 3628941				Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	1.0	0.024	0.9756	0	105	70	130						
Toluene	1.0	0.049	0.9756	0	106	70	130						
Ethylbenzene	1.0	0.049	0.9756	0	107	70	130						
Xylenes, Total	3.2	0.098	2.927	0	109	70	130						
Surr: 4-Bromofluorobenzene	1.0		0.9756		107	39.1	146						

Sample ID: 2308f20-002amsd	SampT	SampType: MSD TestCode: EPA Method 8021B: Volatiles										
Client ID: BH23-15 2'	Batch ID: 77198 RunNo: 99411											
Prep Date: 8/30/2023	Analysis D)ate: 9/ 1	re: 9/1/2023 SeqNo: 3628942					Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.024	0.9737	0	105	70	130	0.586	20			
Toluene	1.0	0.049	0.9737	0	107	70	130	0.690	20			
Ethylbenzene	1.1	0.049	0.9737	0	109	70	130	1.15	20			
Xylenes, Total	3.2	0.097	2.921	0	110	70	130	1.32	20			
Surr: 4-Bromofluorobenzene	1.1		0.9737		109	39.1	146	0	0			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 21 of 22

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F20**

11-Sep-23

Client: Vertex Resources Services, Inc.

Project: Hackberry 18 Fed 2

Sample ID: LCS-77172 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: **LCSS** Batch ID: **77172** RunNo: **99411**

Prep Date: 8/29/2023 Analysis Date: 9/2/2023 SeqNo: 3628971 Units: %Rec

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

Surr: 4-Bromofluorobenzene 1.1 1.000 108 39.1 146

Sample ID: mb-77172 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 77172 RunNo: 99411

Prep Date: 8/29/2023 Analysis Date: 9/2/2023 SeqNo: 3628973 Units: %Rec

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

Surr: 4-Bromofluorobenzene 1.0 1.000 105 39.1 146

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 22 of 22

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

Released to Imaging: 11/13/2025 8:39:02 AM

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

Received By: Tracy Casarrubias 8/29/2023 7:55:00 AM Completed By: Tracy Casarrubias 8/29/2023 8:40:51 AM Reviewed By		ertex Resources Services, Inc.	Work Order Numbe	er: 2308F20		RcptNo	c 1
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Noid discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all hotding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks	Received By:	Tracy Casarrubias	8/29/2023 7:55:00 All	M	•		
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0* C to 6.0*C Yes V No No NA 4. Were all samples received at a temperature of >0* C to 6.0*C Yes V No No NA 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? Yes V No Adjusted? 14. Were all holding times able to be met? Yes V No No Adjusted? Yes V No	Completed By:	Tracy Casarrubias	8/29/2023 8:40:51 Al	VI			
1. Is Chain of Custody complete? 2. How was the sample delivered? 2. How was the sample delivered? 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: Mailing address phone number and Email/Fax are missing on COC-TMC 8/29/23	Reviewed By:	ft 8-29-23					
2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? Yes No No NA 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No No NA 5. Sample(s) in proper container(s)? Yes No No 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 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 NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were any sample containers received broken? Yes No NO NA 4. Were all holding times able to be met? Yes No NO NA NA Yes No NO NA NA NO NA NA NO NA NA NO NA NA	Chain of Custo	ody					
Log In 3. Was an attempt made to cool the samples? Yes V No NA NA	1. Is Chain of Cus	tody complete?		Yes 🗌	No 🗹	Not Present	
3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) 5. Special Handlling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailing address phone number and Email/Fax are missing on COC-TMC 8/29/23 16. Additional remarks:	2. How was the sa	ample delivered?		Courier			
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No No NA Sample(s) in proper container(s)? Yes No No NO NA Sample(s) in proper container(s)? Yes No				_			
5. Sample(s) in proper container(s)? 4. Sufficient sample volume for indicated test(s)? 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Nole discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailling address.phone number and Email/Fax are missing on COC-TMC 8/29/23 16. Additional remarks:	Was an attempt	t made to cool the sample	es?	Yes 🗸	No 📙	NA 📙	
6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Person Notified: Date: By Whom: Regarding: Client Instructions: Mailing address.phone number and Email/Fax are missing on COC-TMC 8/29/23 16. Additional remarks:	4. Were all sample	es received at a temperat	ure of >0° C to 6.0°C	Yes 🗸	No 🗌	na 🗆	
7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	5. Sample(s) in pro	oper container(s)?		Yes 🗸	No 🗌		
8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: Mailing address.phone number and Email/Fax are missing on COC-TMC 8/29/23 16. Additional remarks:	6. Sufficient sample	e volume for indicated te	st(s)?	Yes 🗹	No 🗌		
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes	7. Are samples (ex	cept VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌		
10. Were any sample containers received broken? Yes No W # of preserved bottles checked for pH: (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailing address.phone number and Email/Fax are missing on COC-TMC 8/29/23 16. Additional remarks:	8. Was preservativ	e added to bottles?		Yes 🗌	No 🗹	na 🗌	
# of preserved bottles checked for pH: (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? Yes V No Adjusted? 13. Is it clear what analyses were requested? Yes No Adjusted? 14. Were all holding times able to be met? Yes No Analyses were for authorization.) **Special Handling (if applicable)** 15. Was client notified of all discrepancies with this order? Yes No	9. Received at leas	st 1 vial with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Sepecial Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: Mailing address.phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	10. Were any samp	ple containers received br	oken?	Yes 🗌	No 🗹		
13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:				Yes 🗹	No 🗌	for pH: (<2 c	or >12 unless noted)
14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailing address phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	12. Are matrices co	rrectly identified on Chair	of Custody?	Yes 🗹	No 🗌	Adjusted?	
(If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Mailing address phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	13. Is it clear what a	analyses were requested?	•	Yes 🗹	No 🗆		· Alack
Person Notified: By Whom: Regarding: Client Instructions: Mailing address phone number and Email/Fax are missing on COC- TMC 8/29/23	_			Yes 🗸	No 🗌	Checked by:	1~8/29/2
Person Notified: By Whom: Regarding: Client Instructions: Mailing address.phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	Special Handlin	ng (if applicable)					
By Whom: Regarding: Client Instructions: Mailing address phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	15. Was client notif	fied of all discrepancies w	vith this order?	Yes \square	No 🗌	na 🗹	
Regarding: Client Instructions: Mailing address.phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	Person N	lotified:	Date:				
Client Instructions: Mailing address.phone number and Email/Fax are missing on COC- TMC 8/29/23 16. Additional remarks:	By Whom	1:	Via:	eMail	Phone Fax	In Person	
16. Additional remarks:	Regarding	g:					
	Client Ins	structions: Mailing addre	ss.phone number and Ema	il/Fax are miss	ing on COC-TM	C 8/29/23	
17 Cooler Information	16. Additional rem	arks:					
tt. Manna prominanali	17. Cooler Inform	nation					

Cooler No	Temp ⁰C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0	Good	Yes	Yogi		

Chain-of-Custody Record				-Around		4.0	HALL ENVIRONMENTAL ANALYSIS LABORATORY								<i>y</i>						
Client: \	Verte	x CDe	eron	□ □	Standard ect Name	Rush	<u> 5 Day</u>												AIG	JK	
		4			1-1 / 1			www.hallenvironmental.com													
Mailing A	Address:	0 h	file		Project Name: Hackberry 18 Fed 2				4901 Hawkins NE - Albuquerque, NM 87109												
<u> </u>	14			اداما	Froject #.			Tel. 505-345-3975 Fax 505-345-4107 Analysis Request								TENT					
Phone #	10.14.14			12	23E-03903						200		100	100	12 1			7			
email or			V	Proj	ject Mana	ager:		21)	8	S		S		S Q		93	seni	11199			
QA/QC P	ackage:			k	Kent Stallings			TMB's (8021)	TPH:8915D(GRO / DRO / MRO)	PCB's		8270SIMS	1	PO ₄ ,			Coliform (Present/Absent)				
☐ Stand			☐ Level 4 (Full Validatio	,				MB.	R	982	=	827(NO ₂ ,			ese				
Accredit		□ Az Co□ Other	mpliance	On	Sampler: Zach Fund bet On Ice: No Yes No You				8	8081 Pesticides/8082	EDB (Method 504.1)	5		NO3,	4.50	8270 (Semi-VOA)	n (Pr		10-1		
□ EDD					Coolers		-0.1=0 (°C)	BTEX MTBE /	9)0	ticid	thod	831	RCRA 8 Metals	ž	3	Ë	iforr		1	1 1	
				Cod	oler Temp	O(including CF): ()	-0.1=0 (0)	_ ≥	15/	Pes	(Mei	à	8	F, Br,	8260 (VOA)	S)	3				
				Coi	ntainer	Preservative	HEAL No.	ΙŽ	뚮	187	BB	₽ F	S.	0	260	270	Total				
Date	Time	Matrix	Sample Name	Тур	e and #	Туре	2308FZO	(m)	45	8	Ш	<u>-</u>	<u>₩</u>	쒸	-		-	-	-	+	_
8-20-23	9:00	Soil	BH23-15 0.		jar	ice	001	1	17	_	\vdash	_	_	+	+	-	\dashv	+	+		+
	9:15		BH23-6 2		1		200	++	-		177.1			+							+
	9:31	1 1111	BH23-16 0			10011	003	+	+	_	-		(647) 10. 30	+				CHIEF IN	E 1000	\vdash	51
	9:45		BH23-16 2				004	+	+	-	\vdash		relie.	+			14		005 111 111	++	+
	10.00		BH23-17 (Ĵ-		2 200 0 1 0	005		1	-		-		H		-		_	+-	+-+	_
	10:15	1		2'			006	1	1	_		-	ni ya	+	-11				-	+-+	-
	10:30			0'			007	11	1	<u> </u>			_	+		, a. e. e.				+-+	_
	10:45		RH23-18 2	2.			008	1	1	_		_		1	160 6		111111	1 1 1	i la fare	+	-
	11:00		BH23-19 A	0.		340 F LLE 74 9	009	$\perp \downarrow$	1	_	\perp	N HITE		1			HOP IF			+	\dashv
1	11:15			2	W		010		1	╄-				+						+-+	-
	11:30	1		0	1111		DII			_	100			1	20		14.6			100	_
1	11.45			2	\bigvee	V	012	9				+ +-	-01	~	n n	- Tu - L		1000	1100		
Date:	Time:	Relinquis		Re	ceived by:	Via:	Date Time 5/28/23 845		emari (((a	harr	is	G V	erte	ex.	ca					
	-	Dalin mili	shod by:	Re	ceived by:	Via:com	Date Time	\dashv		<	sto	elli	ngs	a	vel	tex	c. ca	l			
Date:	Time:	Relinquis	siled by.	8/19/17 7: SI			•			Di	10	ct	B	sil	1	7	0	Deva	<u> </u>		
126/13	1900	al	MM Marian montal man	who subcont	racted to other	er accredited laborate	ories. This serves as notice of	this po	ssibility	y. Any	sub-co	ntracte	d data	will b	e clea	rly not	tated o	n the an	alytical re	aport.	1.1

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL						
Client: Vertex (Devon)	Standard Rush 5 Day	ANALYSIS LABORATORY						
	Project Name:	www.hallenvironmental.com						
Mailing Address: on file	Hackberry 18 Fed 2 Project #:	4901 Hawkins NE - Albuquerque, NM 87109						
1-1-1-1-1		Tel. 505-345-3975 Fax 505-345-4107						
Phone #:	23E-03903	Analysis Request						
email or Fax#:	Project Manager:	SO ₄ (SO ₃ (SO ₄ (SO						
QA/QC Package: □ Standard □ Level 4 (Full Validation)	Kent Stollings	s (80; O / MI PCB's SSIMS SSIMS						
Accreditation: Az Compliance	Sampler: Zach Englibert	ETEX MTBE / TMB: (PARO15D(GRO / DRO 8081 Pesticides/8082 I EDB (Method 504.1) PAHs by 8310 or 8270 RCRA 8 Metals CL)F, Br, NO ₃ , NO ₂ , 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Presen						
□ NELAC □ Other	On Ice: Yes No you							
□ EDD (Type)	Cooler Temp(including CF): 0 1 -0 1 = 🖄 (°C)	BTEX) MTBE / T (PAR015D(GRO / 8081 Pesticides/80 EDB (Method 504. PAHs by 8310 or 8 RCRA 8 Metals Cf.)F, Br, NO ₃ , N 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Pre						
	Container Preservative HEAL No.	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type 730 9 F20	EDB (M PAHS by RCRA 8 CO) F, B 8270 (S Total Co						
8-2033 12:00 Soil B H23-21 0	liar ice 013							
1 12:15 RA23-21 2'	1 014	and the second s						
12:30 B 1+23 - 22 0	015							
V 12:45 V 8 H23 - 22 2'	1 016							
V (2.1)								
	A STATE OF THE STA							
	1 (2 A) (1 A) (1 A) (1 A) (1 A) (1 A)							
		20 20 20 20 20 20 20 20 20 20 20 20 20 2						
	THE RESERVE OF THE PROPERTY OF							
		7 (1900) 1 (
Date: Time: Relinquished by:	Received by: Via: Date Time	Remarks:						
	Culturing 8/28/23 845	49 20 20 20 20 20 20 20 20 20 20 20 20 20						
Date: Time: Relinquished by:	Received by: Via: County Date Time							
1720123 1900 CIAMMANA	8/29/13							
Released to Imaging: 11/13/2023 8:39:02 AM	bcontracted to other accredited laboratories. This serves as notice of the	ins possibility. Any sub-contracted data will be clearly notated on the analytical report.						

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/13/2025 3:58:34 PM

JOB DESCRIPTION

Hackberry 18 Federal #002 Battery

JOB NUMBER

885-30424-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 8/13/2025 3:58:34 PM

Authorized for release by Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com (505)345-3975 Client: Vertex
Project/Site: Hackberry 18 Federal #002 Battery

Laboratory Job ID: 885-30424-1

Table of Contents

Cover Page	1
Table of Contents	
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	
QC Sample Results	15
QC Association Summary	18
Lab Chronicle	21
Certification Summary	24
Chain of Custody	25
Receipt Checklists	26

Definitions/Glossary

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Method Quantitation Limit

Practical Quantitation Limit

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

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

Glossary

MPN

MQL

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD TEF

TEQ

TNTC

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)

Case Narrative

Client: Vertex Job ID: 885-30424-1

Project: Hackberry 18 Federal #002 Battery

Job ID: 885-30424-1 **Eurofins Albuquerque**

> Job Narrative 885-30424-1

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

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

Receipt

The samples were received on 8/7/2025 8:32 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°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: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 4.1'

Date Collected: 08/05/25 09:05 Date Received: 08/07/25 08:32 Lab Sample ID: 885-30424-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/07/25 14:15	08/13/25 00:02	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	·	15 - 150			08/07/25 14:15	08/13/25 00:02	1
Method: SW846 8021B - Volati Analyte		ounds (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result		RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND		RL 0.025	mg/Kg	<u>D</u>	08/07/25 14:15	08/13/25 00:02	Dil Fac
Analyte Benzene	Result		RL		<u>D</u>			Dil Fac
Analyte Benzene Ethylbenzene	Result ND		RL 0.025	mg/Kg	<u>D</u>	08/07/25 14:15	08/13/25 00:02	Dil Fac 1 1 1
	Result ND ND		0.025 0.050	mg/Kg	<u>D</u>	08/07/25 14:15 08/07/25 14:15	08/13/25 00:02 08/13/25 00:02	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND	Qualifier	RL 0.025 0.050 0.050	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/07/25 14:15 08/07/25 14:15 08/07/25 14:15	08/13/25 00:02 08/13/25 00:02 08/13/25 00:02	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/25 11:43	08/08/25 19:59	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/25 11:43	08/08/25 19:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			08/08/25 11:43	08/08/25 19:59	1

Michiod. El A 000.0 - Allions, lon o	inomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100	60	mg/Kg	_	08/09/25 07:26	08/09/25 08:58	20

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 5'
Lab Sample ID: 885-30424-2

Date Collected: 08/05/25 09:10
Date Received: 08/07/25 08:32
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/07/25 14:15	08/13/25 01:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			08/07/25 14:15	08/13/25 01:07	1
	ND		0.025	mg/Kg		08/07/25 14:15	08/13/25 01:07	1
Analyte	ND	Qualifier	RL 0.025	Unit ma/Ka	D	08/07/25 14:15	Analyzed 08/13/25 01:07	Dil Fac
Benzene			0.050	malka		00/07/25 14:15	00/12/25 01:07	1
Ethylbenzene	ND		0.050	mg/Kg		08/07/25 14:15	08/13/25 01:07	1
			0.050 0.050 0.099	mg/Kg mg/Kg mg/Kg		08/07/25 14:15 08/07/25 14:15 08/07/25 14:15	08/13/25 01:07 08/13/25 01:07 08/13/25 01:07	1 1 1
Ethylbenzene Toluene	ND ND	Qualifier	0.050	mg/Kg		08/07/25 14:15	08/13/25 01:07	1 1 1 Dil Fac

Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/08/25 11:43	08/08/25 20:12	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/25 11:43	08/08/25 20:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	112		62 - 134			08/08/25 11:43	08/08/25 20:12	1

Method: EPA 300.0 - Anions, Ion Chromatography								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1700	60	mg/Kg		08/09/25 07:26	08/09/25 09:29	20

3

1

5

10

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 6'

Date Collected: 08/05/25 09:15 Date Received: 08/07/25 08:32 Lab Sample ID: 885-30424-3

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/07/25 14:15	08/13/25 02:13	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/07/25 14:15	08/13/25 02:13	1
Method: SW846 8021B - Volati Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/07/25 14:15	08/13/25 02:13	1
Ethylbenzene	ND		0.050	mg/Kg		08/07/25 14:15	08/13/25 02:13	1
,	ND		0.050	mg/Kg		08/07/25 14:15	08/13/25 02:13	1
Toluene	ND							
•	ND ND		0.10	mg/Kg		08/07/25 14:15	08/13/25 02:13	1
Toluene		Qualifier	0.10 <i>Limit</i> s	mg/Kg		08/07/25 14:15 Prepared	08/13/25 02:13 Analyzed	1 Dil Fac

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

	•	, , ,	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/25 11:43	08/08/25 20:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/25 11:43	08/08/25 20:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/08/25 11:43	08/08/25 20:24	1

Method: FPA	300 0 -	Anione	lon	Chromatography

Released to Imaging: 11/13/2025 8:39:02 AM

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2400	60	mg/Kg		08/09/25 07:26	08/09/25 09:39	20

Eurofins Albuquerque

-

3

4

6

q

10

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 7'

Date Received: 08/07/25 08:32

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30424-4 Date Collected: 08/05/25 09:20

97

Matrix: Solid

08/07/25 14:15

08/13/25 02:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/07/25 14:15	08/13/25 02:35	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/07/25 14:15	08/13/25 02:35	1
Method: SW846 8021B - Volat	tile Organic Comp	ounds (GC)						
	•	, ,		IIia	_	Dogwood	Austral	Dil 5
Analyte	Result	ounds (GC) Qualifier	RL	Unit	<u>D</u>	Prepared 00/07/05 14:45	Analyzed	Dil Fac
Analyte Benzene	Result ND	, ,	RL 0.025	mg/Kg	<u>D</u>	08/07/25 14:15	08/13/25 02:35	Dil Fac
Analyte	Result	, ,	RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND	, ,	RL 0.025	mg/Kg	<u>D</u>	08/07/25 14:15	08/13/25 02:35	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND	, ,	RL 0.025 0.049	mg/Kg	<u>D</u>	08/07/25 14:15 08/07/25 14:15	08/13/25 02:35 08/13/25 02:35	Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/08/25 11:43	08/08/25 20:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/25 11:43	08/08/25 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			08/08/25 11:43	08/08/25 20:37	1

15 - 150

١	Welliou. EFA 300.0 - Allions, lon C	inomatograp	illy						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2200		60	mg/K	g	08/09/25 07:26	08/09/25 09:49	20

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 8'

Lab Sample ID: 885-30424-5

Date Collected: 08/05/25 09:25 Matrix: Solid Date Received: 08/07/25 08:32

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/07/25 14:15	08/13/25 02:56	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 _ 150			08/07/25 14:15	08/13/25 02:56	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		08/07/25 14:15	08/13/25 02:56	1
Ethylbenzene	ND		0.049	mg/Kg		08/07/25 14:15	08/13/25 02:56	1
Toluene	ND		0.049	mg/Kg		08/07/25 14:15	08/13/25 02:56	1
Xylenes, Total	ND		0.099	mg/Kg		08/07/25 14:15	08/13/25 02:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/07/25 14:15	08/13/25 02:56	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]	ND		9.7	mg/Kg		08/08/25 11:43	08/08/25 20:49	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/25 11:43	08/08/25 20:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			08/08/25 11:43	08/08/25 20:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		08/09/25 07:26	08/09/25 10:00	20

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Method: EPA 300.0 - Anions, Ion Chromatography

Result Qualifier

1100

Analyte

Chloride

Client Sample ID: BH23-16 9'

Lab Sample ID: 885-30424-6

Prepared

08/09/25 07:26

Analyzed

08/09/25 10:10

Dil Fac

20

Matrix: Solid

Date Collected: 08/05/25 09:30 Date Received: 08/07/25 08:32

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/07/25 14:15	08/13/25 03:18	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/07/25 14:15	08/13/25 03:18	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/07/25 14:15	08/13/25 03:18	1
Ethylbenzene	ND		0.050	mg/Kg		08/07/25 14:15	08/13/25 03:18	1
Toluene	ND		0.050	mg/Kg		08/07/25 14:15	08/13/25 03:18	1
Xylenes, Total	ND		0.10	mg/Kg		08/07/25 14:15	08/13/25 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/07/25 14:15	08/13/25 03:18	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/25 11:43	08/08/25 21:01	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/25 11:43	08/08/25 21:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			08/08/25 11.43	08/08/25 21:01	

RL

60

Unit

mg/Kg

Eurofins Albuquerque

3

6

8

10

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 10'

Date Collected: 08/05/25 09:35 Date Received: 08/07/25 08:32

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30424-7

Analyzed

08/13/25 03:40

Prepared

08/07/25 14:15

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/07/25 14:15	08/13/25 03:40	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati	97	ounds (GC)	15 _ 150			08/07/25 14:15	08/13/25 03:40	1
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati Analyte	ile Organic Comp	ounds (GC)		Unit	D	08/07/25 14:15 Prepared	08/13/25 03:40 Analyzed	1 Dil Fac
Method: SW846 8021B - Volati	ile Organic Comp	• •		Unit mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8021B - Volati Analyte	ile Organic Comp	• •	RL		<u>D</u>	Prepared	Analyzed	1 Dil Fac 1
Method: SW846 8021B - Volati Analyte Benzene	ile Organic Comp Result ND	• •	RL 0.025	mg/Kg	<u>D</u>	Prepared 08/07/25 14:15	Analyzed 08/13/25 03:40	1 Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/25 11:43	08/08/25 21:14	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/25 11:43	08/08/25 21:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/08/25 11:43	08/08/25 21:14	

Limits

15 - 150

%Recovery Qualifier

98

Wethou. LFA 300.0 - Amons, for C	inomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730	60	mg/Kg		08/09/25 07:26	08/09/25 10:41	20

Eurofins Albuquerque

2

4

6

0

9

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 11'

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30424-8 Date Collected: 08/05/25 09:40 Date Received: 08/07/25 08:32

%Recovery Qualifier

95

Matrix: Solid

Prepared

08/07/25 14:15

Analyzed

08/13/25 04:02

Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/07/25 14:15	08/13/25 04:02	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati	97	ounds (GC)	15 - 150			08/07/25 14:15	08/13/25 04:02	1
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati Analyte	ile Organic Comp	ounds (GC) Qualifier		Unit	D	08/07/25 14:15 Prepared	08/13/25 04:02 Analyzed	1 Dil Fac
Method: SW846 8021B - Volati	ile Organic Comp			Unit mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8021B - Volati Analyte	ile Organic Comp		RL		<u>D</u>	Prepared	Analyzed	1 Dil Fac
Method: SW846 8021B - Volati Analyte Benzene	ile Organic Compo Result ND		RL 0.024	mg/Kg	<u>D</u>	Prepared 08/07/25 14:15	Analyzed 08/13/25 04:02	1 Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/08/25 11:43	08/08/25 21:26	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/25 11:43	08/08/25 21:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			08/08/25 11:43	08/08/25 21:26	1

Limits

15 - 150

	motifica. El A 000.0 Amono, ion o	momatograp	,						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	230		60	mg/Kg		08/09/25 07:26	08/09/25 10:52	20

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 12'

Date Collected: 08/05/25 09:50 Date Received: 08/07/25 08:32 Lab Sample ID: 885-30424-9

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/07/25 14:15	08/13/25 04:24	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/07/25 14:15	08/13/25 04:24	1
– Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	ND		0.025	ma/Ka		08/07/25 14:15	08/13/25 04:24	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/07/25 14:15	08/13/25 04:24	1
Ethylbenzene	ND		0.049	mg/Kg		08/07/25 14:15	08/13/25 04:24	1
Toluene	ND		0.049	mg/Kg		08/07/25 14:15	08/13/25 04:24	1
Xylenes, Total	ND		0.099	mg/Kg		08/07/25 14:15	08/13/25 04:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/07/25 14:15	08/13/25 04:24	1

Method: SW846 8015M/D - Diese	l Range Organi	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.6		9.4	mg/Kg		08/08/25 11:43	08/08/25 21:39	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/08/25 11:43	08/08/25 21:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	67		62 - 134			08/08/25 11:43	08/08/25 21:39	1

method. EPA 300.0 - Allions, for Chromatography										
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
	Chloride	110	60	mg/Kg		08/09/25 07:26	08/09/25 11:02	20		

Job ID: 885-30424-1 Client: Vertex

Project/Site: Hackberry 18 Federal #002 Battery

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

Client Sample ID: Method Blank Lab Sample ID: MB 885-31829/1-A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 32170 Prep Batch: 31829 мв мв

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 mg/Kg 08/07/25 14:15 08/12/25 23:40

(GRO)-C6-C10

MB MB %Recovery Limits Qualifier Prepared Dil Fac Surrogate Analyzed 15 - 150 08/07/25 14:15 08/12/25 23:40 4-Bromofluorobenzene (Surr) 94

Lab Sample ID: LCS 885-31829/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 32170

Prep Batch: 31829 LCS LCS Spike

Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 20.1 mg/Kg 80 70 - 130

(GRO)-C6-C10

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

Lab Sample ID: 885-30424-1 MS Client Sample ID: BH23-16 4.1'

Matrix: Solid

Analysis Batch: 32170

LCS LCS

Prep Batch: 31829 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits ND 24.9 19.1 77 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 191 15 - 150

Lab Sample ID: 885-30424-1 MSD Client Sample ID: BH23-16 4.1'

Matrix: Solid

Analysis Batch: 32170

Prep Batch: 31829 Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics ND 24.9 19.3 mg/Kg 70 - 130

(GRO)-C6-C10

MSD MSD

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 202 15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-31829/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 32171 Prep Batch: 31829

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.025 08/07/25 14:15 08/12/25 23:40 Benzene ND mg/Kg Ethylbenzene ND 0.050 mg/Kg 08/07/25 14:15 08/12/25 23:40 Toluene ND 0.050 08/07/25 14:15 08/12/25 23:40 mg/Kg

Eurofins Albuquerque

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Released to Imaging: 11/13/2025 8:39:02 AM

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-31829/1-A **Matrix: Solid**

Lab Sample ID: LCS 885-31829/3-A

Analysis Batch: 32171

Analyte

Matrix: Solid

o-Xylene

Toluene

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

mg/Kg

mg/Kg

D

Unit

Prep Batch: 31829

Prepared Analyzed Dil Fac

Xylenes, Total ND 0.10 08/07/25 14:15 08/12/25 23:40 mg/Kg MR MR

RL

MB MB

Qualifier

Result

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 95 15 - 150 08/07/25 14:15 08/12/25 23:40

Client Sample ID: Lab Control Sample

98

98

Prep Type: Total/NA

70 - 130

70 - 130

Prep Batch: 31829

Analysis Batch: 32171 LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Benzene 1.00 0.990 mg/Kg 99 70 - 130 Ethylbenzene 1.00 0.975 mg/Kg 97 70 - 130 m-Xylene & p-Xylene 2.00 1.93 mg/Kg 97 70 - 130

1.00

1.00

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 97 15 - 150

Lab Sample ID: 885-30424-2 MS Client Sample ID: BH23-16 5'

Matrix: Solid

Analysis Batch: 32171

Prep Type: Total/NA Prep Batch: 31829

0.983

0.977

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.997	0.983		mg/Kg		99	70 - 130	
Ethylbenzene	ND		0.997	0.980		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	ND		1.99	1.95		mg/Kg		98	70 - 130	
o-Xylene	ND		0.997	0.973		mg/Kg		98	70 - 130	
Toluene	ND		0.997	0.963		mg/Kg		97	70 - 130	

MS MS

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

Lab Sample ID: 885-30424-2 MSD Client Sample ID: BH23-16 5'

Matrix: Solid

Analysis Batch: 32171

Prep Batch: 31829 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene ND 0.995 0.973 mg/Kg 98 70 - 13020 Ethylbenzene ND 0.995 0.945 mg/Kg 95 70 - 130 20 ND 1.99 1.90 95 70 - 130 m-Xylene & p-Xylene mg/Kg 20 3 ND 0.995 0.942 95 70 - 130 20 o-Xylene mg/Kg 0.995 0.950 mg/Kg 96 Toluene ND 70 - 130 20

MSD MSD

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

Eurofins Albuquerque

Prep Type: Total/NA

Surrogate

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-31889/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 31875 Prep Batch: 31889 MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 08/08/25 11:42 08/08/25 17:04 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 08/08/25 11:42 08/08/25 17:04

MB MB Qualifier Limits Prepared Dil Fac %Recovery Analyzed

Di-n-octyl phthalate (Surr) 94 62 - 134 08/08/25 11:42 08/08/25 17:04

Lab Sample ID: LCS 885-31889/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 31875 Prep Batch: 31889 Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit D %Rec Limits Diesel Range Organics 50.0 53.8 108 51 - 148 mg/Kg [C10-C28]

LCS LCS

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-31933/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 31934** Prep Batch: 31933

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 1.5 mg/Kg 08/09/25 07:26 08/09/25 08:33

Lab Sample ID: LCS 885-31933/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 31934 Prep Batch: 31933

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits

Chloride 15.0 15.1 101 90 - 110 mg/Kg

QC Association Summary

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA

Prep Batch: 31829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	5030C	_
885-30424-2	BH23-16 5'	Total/NA	Solid	5030C	
885-30424-3	BH23-16 6'	Total/NA	Solid	5030C	
885-30424-4	BH23-16 7'	Total/NA	Solid	5030C	
885-30424-5	BH23-16 8'	Total/NA	Solid	5030C	
885-30424-6	BH23-16 9'	Total/NA	Solid	5030C	
885-30424-7	BH23-16 10'	Total/NA	Solid	5030C	
885-30424-8	BH23-16 11'	Total/NA	Solid	5030C	
885-30424-9	BH23-16 12'	Total/NA	Solid	5030C	
MB 885-31829/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-31829/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-31829/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-30424-1 MS	BH23-16 4.1'	Total/NA	Solid	5030C	
885-30424-1 MSD	BH23-16 4.1'	Total/NA	Solid	5030C	
885-30424-2 MS	BH23-16 5'	Total/NA	Solid	5030C	
885-30424-2 MSD	BH23-16 5'	Total/NA	Solid	5030C	

Analysis Batch: 32170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	8015M/D	31829
885-30424-2	BH23-16 5'	Total/NA	Solid	8015M/D	31829
885-30424-3	BH23-16 6'	Total/NA	Solid	8015M/D	31829
885-30424-4	BH23-16 7'	Total/NA	Solid	8015M/D	31829
885-30424-5	BH23-16 8'	Total/NA	Solid	8015M/D	31829
885-30424-6	BH23-16 9'	Total/NA	Solid	8015M/D	31829
885-30424-7	BH23-16 10'	Total/NA	Solid	8015M/D	31829
885-30424-8	BH23-16 11'	Total/NA	Solid	8015M/D	31829
885-30424-9	BH23-16 12'	Total/NA	Solid	8015M/D	31829
MB 885-31829/1-A	Method Blank	Total/NA	Solid	8015M/D	31829
LCS 885-31829/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	31829
885-30424-1 MS	BH23-16 4.1'	Total/NA	Solid	8015M/D	31829
885-30424-1 MSD	BH23-16 4.1'	Total/NA	Solid	8015M/D	31829

Analysis Batch: 32171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	8021B	31829
885-30424-2	BH23-16 5'	Total/NA	Solid	8021B	31829
885-30424-3	BH23-16 6'	Total/NA	Solid	8021B	31829
885-30424-4	BH23-16 7'	Total/NA	Solid	8021B	31829
885-30424-5	BH23-16 8'	Total/NA	Solid	8021B	31829
885-30424-6	BH23-16 9'	Total/NA	Solid	8021B	31829
885-30424-7	BH23-16 10'	Total/NA	Solid	8021B	31829
885-30424-8	BH23-16 11'	Total/NA	Solid	8021B	31829
885-30424-9	BH23-16 12'	Total/NA	Solid	8021B	31829
MB 885-31829/1-A	Method Blank	Total/NA	Solid	8021B	31829
LCS 885-31829/3-A	Lab Control Sample	Total/NA	Solid	8021B	31829
885-30424-2 MS	BH23-16 5'	Total/NA	Solid	8021B	31829
885-30424-2 MSD	BH23-16 5'	Total/NA	Solid	8021B	31829

QC Association Summary

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

GC Semi VOA

Analysis Batch: 31875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	8015M/D	31889
885-30424-2	BH23-16 5'	Total/NA	Solid	8015M/D	31889
885-30424-3	BH23-16 6'	Total/NA	Solid	8015M/D	31889
885-30424-4	BH23-16 7'	Total/NA	Solid	8015M/D	31889
885-30424-5	BH23-16 8'	Total/NA	Solid	8015M/D	31889
885-30424-6	BH23-16 9'	Total/NA	Solid	8015M/D	31889
885-30424-7	BH23-16 10'	Total/NA	Solid	8015M/D	31889
885-30424-8	BH23-16 11'	Total/NA	Solid	8015M/D	31889
885-30424-9	BH23-16 12'	Total/NA	Solid	8015M/D	31889
MB 885-31889/1-A	Method Blank	Total/NA	Solid	8015M/D	31889
LCS 885-31889/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	31889

Prep Batch: 31889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	SHAKE	
885-30424-2	BH23-16 5'	Total/NA	Solid	SHAKE	
885-30424-3	BH23-16 6'	Total/NA	Solid	SHAKE	
885-30424-4	BH23-16 7'	Total/NA	Solid	SHAKE	
885-30424-5	BH23-16 8'	Total/NA	Solid	SHAKE	
885-30424-6	BH23-16 9'	Total/NA	Solid	SHAKE	
885-30424-7	BH23-16 10'	Total/NA	Solid	SHAKE	
885-30424-8	BH23-16 11'	Total/NA	Solid	SHAKE	
885-30424-9	BH23-16 12'	Total/NA	Solid	SHAKE	
MB 885-31889/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-31889/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 31933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	300_Prep	
885-30424-2	BH23-16 5'	Total/NA	Solid	300_Prep	
885-30424-3	BH23-16 6'	Total/NA	Solid	300_Prep	
885-30424-4	BH23-16 7'	Total/NA	Solid	300_Prep	
885-30424-5	BH23-16 8'	Total/NA	Solid	300_Prep	
885-30424-6	BH23-16 9'	Total/NA	Solid	300_Prep	
885-30424-7	BH23-16 10'	Total/NA	Solid	300_Prep	
885-30424-8	BH23-16 11'	Total/NA	Solid	300_Prep	
885-30424-9	BH23-16 12'	Total/NA	Solid	300_Prep	
MB 885-31933/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-31933/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 31934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-1	BH23-16 4.1'	Total/NA	Solid	300.0	31933
885-30424-2	BH23-16 5'	Total/NA	Solid	300.0	31933
885-30424-3	BH23-16 6'	Total/NA	Solid	300.0	31933
885-30424-4	BH23-16 7'	Total/NA	Solid	300.0	31933
885-30424-5	BH23-16 8'	Total/NA	Solid	300.0	31933
885-30424-6	BH23-16 9'	Total/NA	Solid	300.0	31933
885-30424-7	BH23-16 10'	Total/NA	Solid	300.0	31933

Page 19 of 26

Eurofins Albuquerque

8/13/2025

QC Association Summary

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

HPLC/IC (Continued)

Analysis Batch: 31934 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30424-8	BH23-16 11'	Total/NA	Solid	300.0	31933
885-30424-9	BH23-16 12'	Total/NA	Solid	300.0	31933
MB 885-31933/1-A	Method Blank	Total/NA	Solid	300.0	31933
LCS 885-31933/2-A	Lab Control Sample	Total/NA	Solid	300.0	31933

Date Collected: 08/05/25 09:05 Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 00:02
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 00:02
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 19:59
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 08:58

Client Sample ID: BH23-16 5'

Date Collected: 08/05/25 09:10

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-2

Matrix: Solid

Batch Dilution Batch Batch Prepared **Prep Type** Type Method Run Factor Number Analyst Lab or Analyzed Total/NA 5030C EET ALB 08/07/25 14:15 Prep 31829 KLS Total/NA 8015M/D 08/13/25 01:07 Analysis 1 32170 AT **EET ALB** Total/NA 5030C **EET ALB** 08/07/25 14:15 Prep 31829 KLS 32171 AT Total/NA Analysis 8021B 1 **EET ALB** 08/13/25 01:07 Total/NA SHAKE 31889 BZR **EET ALB** 08/08/25 11:43 Prep 08/08/25 20:12 Total/NA Analysis 8015M/D 1 31875 EM **EET ALB** EET ALB Total/NA Prep 300_Prep 31933 RC 08/09/25 07:26 Total/NA Analysis 300.0 20 31934 RC **EET ALB** 08/09/25 09:29

Client Sample ID: BH23-16 6'

Date Collected: 08/05/25 09:15

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-3

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 02:13
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 02:13
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 20:24
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 09:39

Client Sample ID: BH23-16 7'

Date Collected: 08/05/25 09:20

Date Received: 08/07/25 08:32

_ab Sam	ple ID: 885-30424-4
---------	---------------------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 02:35

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH23-16 7'

Client: Vertex

Date Collected: 08/05/25 09:20 Date Received: 08/07/25 08:32 Lab Sample ID: 885-30424-4

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 02:35
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 20:37
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 09:49

Client Sample ID: BH23-16 8'

Date Collected: 08/05/25 09:25

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-5

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 02:56
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 02:56
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 20:49
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 10:00

Client Sample ID: BH23-16 9'

Date Collected: 08/05/25 09:30

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-6

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 03:18
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 03:18
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 21:01
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 10:10

Client Sample ID: BH23-16 10'

Date Collected: 08/05/25 09:35

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-7

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 03:40
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 03:40

Client Sample ID: BH23-16 10'

Date Collected: 08/05/25 09:35 Date Received: 08/07/25 08:32

Client: Vertex

Lab Sample ID: 885-30424-7

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 21:14
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 10:41

Client Sample ID: BH23-16 11'

Date Collected: 08/05/25 09:40

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-8

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 04:02
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 04:02
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 21:26
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 10:52

Client Sample ID: BH23-16 12'

Date Collected: 08/05/25 09:50

Date Received: 08/07/25 08:32

Lab Sample ID: 885-30424-9

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8015M/D		1	32170	AT	EET ALB	08/13/25 04:24
Total/NA	Prep	5030C			31829	KLS	EET ALB	08/07/25 14:15
Total/NA	Analysis	8021B		1	32171	AT	EET ALB	08/13/25 04:24
Total/NA	Prep	SHAKE			31889	BZR	EET ALB	08/08/25 11:43
Total/NA	Analysis	8015M/D		1	31875	EM	EET ALB	08/08/25 21:39
Total/NA	Prep	300_Prep			31933	RC	EET ALB	08/09/25 07:26
Total/NA	Analysis	300.0		20	31934	RC	EET ALB	08/09/25 11:02

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex Job ID: 885-30424-1

Project/Site: Hackberry 18 Federal #002 Battery

Laboratory: Eurofins Albuquerque

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

uthority	Progra	am	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-27-26
• .	are included in this report, bu	it the laboratory is not certif	ied by the governing authority. This li	st may include analyte
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 [6	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	NELAI	D	NM100001	02-26-26

Eurofins Albuquerque

3

Λ

5

7

9

10

Client:

Chain-of-Custody Record

Vertex

X Rush 5Dau X Standard **ANALYSIS LABORAT** Project Name (direct bill to Devon, work order 21185142) www.hallenvironmental.com Mailing Address: Hackberry 18 Federal #002 Battery 4901 Hawkins NE - Albuquerque, NM 87109 Project #: Tel. 505-345-3975 Fax 505-345-4107 **Analysis Request** Phone #: 23E-03903 email or Fax#: Project Manager: SO4 Coliform (Present/Absent) TPH:8015D(GRO / DRO / MRO) BTEX / MTBE / TMB's (8021) PCB's 8270SIMS Kent Stallings QA/QC Package: □ Standard ☐ Level 4 (Full Validation) kstallings@vertexresource.com NO_2 8081 Pesticides/8082 Accreditation: ☐ Az Compliance Sampler: L. Pullman 8270 (Semi-VOA) □ NELAC PAHs by 8310 or ☐ Other On Ice: No Yes □ No Chuch Br, NO₃, RCRA 8 Metals ☐ EDD (Type) # of Coolers: EDB (Method 8260 (VOA) Cooler Temp(including CF): 5.2+0,2 = 5.43 CI, F, Total (Container Preservative HEAL No. Time | Matrix | Sample Name Type and # Type Date X X 9:05 Soil BH23-16 4.1' X 08.05.25 1, 4oz jar X X 9:10 Soil BH23-16 5' 1, 4oz jar X 08.05.25 9:15 Soil BH23-16 6' 1, 4oz jar X X 08.05.25 08.05.25 9:20 Soil BH23-16 7' 1, 4oz jar X X X X X X 08.05.25 9:25 Soil BH23-16 8' 1, 4oz jar X X X 08.05.25 9:30 Soil BH23-16 9' 1, 4oz jar X X 9:35 Soil 1, 4oz jar X 08.05.25 BH23-16 10' X X X 9:40 Soil BH23-16 11' 1, 4oz jar 08.05.25 9:50 X X Soil 08.05.25 BH23-16 12' 1, 4oz jar Date: Time: Received by: Date Time Relinquished by Remarks: ATTN Jim Raley 8-6-25 8/6/25 Direct bill to Devon work order 21185142 Jim Raley 0700 0700 cc. permian@vertexresource.com, SCarttar@vertexresource.com, Date: Time: kstallings@vertexresource.com, and LPullman@vertexresource.com 13/6/25 for Final Report If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report

HALL ENVIRONMENTAL

Turn-Around Time:

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-30424-1

Login Number: 30424 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220

JOB DESCRIPTION

Generated 10/18/2024 2:23:01 PM

Hackberry 18 Federal 2 Battery

JOB NUMBER

885-13299-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 10/18/2024 2:23:01 PM

10/18/2024

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

3

4

5

0

10

Client: Vertex Project/Site: Hackberry 18 Federal 2 Battery Laboratory Job ID: 885-13299-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	31
QC Association Summary	37
Lab Chronicle	42
Certification Summary	50
Chain of Custody	51
Receint Checklists	54

4

6

8

9

Definitions/Glossary

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.		
\(\phi \)	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)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DL, RA, RE, IN

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) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Vertex Job ID: 885-13299-1

Project: Hackberry 18 Federal 2 Battery

Job ID: 885-13299-1 Eurofins Albuquerque

Job Narrative 885-13299-1

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 10/8/2024 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 4.2°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

,

16

4

5

a

10

Motor Oil Range Organics [C28-C40]

Released to Imaging: 11/13/2025 8:39:02 AM

Surrogate

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Lab Sample ID: 885-13299-1 Client Sample ID: BH23-18 3'

Date Collected: 10/04/24 09:15 **Matrix: Solid** Date Received: 10/08/24 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		10/08/24 15:33	10/09/24 18:01	
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		35 - 166			10/08/24 15:33	10/09/24 18:01	
- Method: SW846 8021B - Vola	tile Organic	Compound	de (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 15:33	10/09/24 18:01	
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 15:33	10/09/24 18:01	•
Toluene	ND		0.050	mg/Kg		10/08/24 15:33	10/09/24 18:01	•
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 15:33	10/09/24 18:01	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 15:33	10/09/24 18:01	
Method: SW846 8015M/D - D	iesel Range (Organics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		10/09/24 10:49	10/09/24 16:01	

l	Di-n-octyl phthalate (Surr)	84	62 - 134		10/09/24 10:49	10/09/24 16:01	1
	Method: EPA 300.0 - Anions, lo	n Chromatography					
	Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
	Chloride	180	60	mg/Kg	10/09/24 12:02	10/09/24 16:21	20

Limits

48

mg/Kg

ND

%Recovery Qualifier

Dil Fac

10/09/24 10:49 10/09/24 16:01

Analyzed

Prepared

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH23-18 4.1'

Date Collected: 10/04/24 09:20 Date Received: 10/08/24 07:55

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-13299-2

Prepared

Analyzed

10/08/24 15:33 10/09/24 19:07

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 15:33	10/09/24 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Vo	111 Diatile Organic	Compound	35 - 166			10/08/24 15:33	10/09/24 19:07	1
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Vo Analyte	olatile Organic	Compound Qualifier		Unit	D	10/08/24 15:33 Prepared	10/09/24 19:07 Analyzed	1 Dil Fac
Method: SW846 8021B - Vo	olatile Organic		ds (GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8021B - Vo Analyte	platile Organic Result		ds (GC)		<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8021B - Vo Analyte Benzene	platile Organic Result ND		ds (GC) RL 0.025	mg/Kg	<u>D</u>	Prepared 10/08/24 15:33	Analyzed 10/09/24 19:07	Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/09/24 10:49	10/09/24 16:12	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/09/24 10:49	10/09/24 16:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			10/09/24 10:49	10/09/24 16:12	

Limits

48 - 145

%Recovery Qualifier

109

Method. Li A 300.0 - Amons, it	on omomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100	60	mg/Kg	_	10/09/24 12:02	10/09/24 16:34	20

Eurofins Albuquerque

3

4

6

0

9

11

Dil Fac

Project/Site: Hackberry 18 Federal 2 Battery

Released to Imaging: 11/13/2025 8:39:02 AM

Client Sample ID: BH24-19 3' Lab Sample ID: 885-13299-3

Date Collected: 10/04/24 09:25 **Matrix: Solid** Date Received: 10/08/24 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/08/24 15:33	10/09/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			10/08/24 15:33	10/09/24 20:12	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 15:33	10/09/24 20:12	1
Ethylbenzene	ND		0.047	mg/Kg		10/08/24 15:33	10/09/24 20:12	1
Toluene	ND		0.047	mg/Kg		10/08/24 15:33	10/09/24 20:12	1
Xylenes, Total	ND		0.095	mg/Kg		10/08/24 15:33	10/09/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/08/24 15:33	10/09/24 20:12	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		9.3	mg/Kg		10/09/24 10:49	10/09/24 16:33	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 10:49	10/09/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			10/09/24 10:49	10/09/24 16:33	1
Method: EPA 300.0 - Anions, I	on Chromat	tography						
Amalusta	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	IXE.	Oilit		ricparca	Analyzou	Dii i uc

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-19 4.1'

Date Collected: 10/04/24 09:30

Date Received: 10/08/24 07:55

Xylenes, Total

4-Bromofluorobenzene (Surr)

Released to Imaging: 11/13/2025 8:39:02 AM

Surrogate

Matrix: Solid

10/08/24 15:33 10/09/24 20:33

10/08/24 15:33 10/09/24 20:33

Analyzed

Prepared

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 15:33	10/09/24 20:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 15:33	10/09/24 20:33	1
Method: SW846 8021B - Vo	olatile Organic	Compound	ds (GC)					
Method: SW846 8021B - Vo Analyte	•	Compound Qualifier	ds (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	•	•	• •	Unit mg/Kg	<u>D</u>	Prepared 10/08/24 15:33	Analyzed 10/09/24 20:33	Dil Fac
Analyte	Result	•	RL		<u>D</u>			Dil Fac

0.10

Limits

48 - 145

mg/Kg

ND

%Recovery Qualifier

105

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/09/24 10:49	10/09/24 17:00	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/09/24 10:49	10/09/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			10/09/24 10:49	10/09/24 17:00	

Wethou. EPA 300.0 - Amons, to	n Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4400	150	mg/Kg	_	10/09/24 12:02	10/11/24 02:26	50

Lab Sample ID: 885-13299-4

Dil Fac

Client Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-27 0'

Date Collected: 10/04/24 09:40 Date Received: 10/08/24 07:55 Lab Sample ID: 885-13299-5

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		10/08/24 15:33	10/09/24 20:55	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/08/24 15:33	10/09/24 20:55	1
Method: SW846 8021B - Vo Analyte	•	Compound Qualifier	ds (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	•		• •	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Benzene	Result ND		RL 0.025	mg/Kg	<u>D</u>	10/08/24 15:33	10/09/24 20:55	Dil Fac
Analyte	Result		RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND		RL 0.025	mg/Kg	<u>D</u>	10/08/24 15:33	10/09/24 20:55	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND		RL 0.025 0.050	mg/Kg	<u>D</u>	10/08/24 15:33 10/08/24 15:33	10/09/24 20:55 10/09/24 20:55	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND	Qualifier	0.025 0.050 0.050	mg/Kg mg/Kg mg/Kg	<u>D</u>	10/08/24 15:33 10/08/24 15:33 10/08/24 15:33	10/09/24 20:55 10/09/24 20:55 10/09/24 20:55	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/09/24 10:49	10/09/24 17:10	
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 10:49	10/09/24 17:10	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	81		62 - 134			10/09/24 10:49	10/09/24 17:10	

metriou. El A 000.0 - Amono, le	in Omomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		10/09/24 12:02	10/09/24 17:11	20

3

4

<u>ی</u>

9

Project/Site: Hackberry 18 Federal 2 Battery

Method: EPA 300.0 - Anions, Ion Chromatography

Result Qualifier

100

Analyte

Chloride

Client Sample ID: BH24-27 2' Lab Sample ID: 885-13299-6

Date Collected: 10/04/24 09:45 Matrix: Solid

Date Received: 10/08/24 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 15:33	10/09/24 21:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			10/08/24 15:33	10/09/24 21:17	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		10/08/24 15:33	10/09/24 21:17	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 21:17	1
Toluene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 21:17	1
Xylenes, Total	ND		0.097	mg/Kg		10/08/24 15:33	10/09/24 21:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 15:33	10/09/24 21:17	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]	ND		8.5	mg/Kg		10/09/24 10:49	10/09/24 17:21	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		10/09/24 10:49	10/09/24 17:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			10/09/24 10:49	10/09/24 17:21	

60

Unit

mg/Kg

Prepared

Analyzed

10/09/24 12:02 10/09/24 17:23

Dil Fac

Eurofins Albuquerque

2

3

6

8

9

Client Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-27 4.1

Lab Sample ID: 885-13299-7

Date Collected: 10/04/24 09:50 Date Received: 10/08/24 07:55 **Matrix: Solid**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 15:33	10/09/24 21:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			10/08/24 15:33	10/09/24 21:39	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 15:33	10/09/24 21:39	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 21:39	1
Toluene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 21:39	1
Xylenes, Total	ND		0.098	mg/Kg		10/08/24 15:33	10/09/24 21:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/08/24 15:33	10/09/24 21:39	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		10/09/24 10:49	10/09/24 17:32	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/09/24 10:49	10/09/24 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/09/24 10:49	10/09/24 17:32	1
Method: EPA 300.0 - Anions,	on Chromat	tography						
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Chloride	800		60	mg/Kg		10/09/24 12:02	10/09/24 17:35	20

10/18/2024

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-28 0' Lab Sample ID: 885-13299-8

Date Collected: 10/04/24 10:00 Matrix: Solid

Date Received: 10/08/24 07:55

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 15:33	10/09/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 15:33	10/09/24 22:00	1
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 15:33	10/09/24 22:00	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 22:00	1
Toluene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 22:00	1
Xylenes, Total	ND		0.098	mg/Kg		10/08/24 15:33	10/09/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 15:33	10/09/24 22:00	1
- Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/09/24 10:49	10/09/24 17:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/09/24 10:49	10/09/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			10/09/24 10:49	10/09/24 17:43	1
	on Charaman	to aven by						
Method: EPA 300.0 - Anions,	on Unroma	lography						

60

mg/Kg

ND

10/09/24 12:02 10/09/24 18:12

9

3

4

6

Q

9

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-28 2' Lab Sample ID: 885-13299-9

Result Qualifier

140

Date Collected: 10/04/24 10:05 **Matrix: Solid** Date Received: 10/08/24 07:55

Analyte

Chloride

Released to Imaging: 11/13/2025 8:39:02 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.6	mg/Kg		10/08/24 15:33	10/09/24 22:22	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 15:33	10/09/24 22:22	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/08/24 15:33	10/09/24 22:22	1
Ethylbenzene	ND		0.046	mg/Kg		10/08/24 15:33	10/09/24 22:22	1
Toluene	ND		0.046	mg/Kg		10/08/24 15:33	10/09/24 22:22	1
Xylenes, Total	ND		0.092	mg/Kg		10/08/24 15:33	10/09/24 22:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 15:33	10/09/24 22:22	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/09/24 10:49	10/09/24 17:54	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/09/24 10:49	10/09/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			10/09/24 10:49	10/09/24 17:54	1

RL

61

Unit

mg/Kg

Prepared

Analyzed

10/09/24 12:02 10/09/24 18:25

Dil Fac

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-28 4.1'

Date Collected: 10/04/24 10:10 Date Received: 10/08/24 07:55 Lab Sample ID: 885-13299-10

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 15:33	10/09/24 22:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 15:33	10/09/24 22:44	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 15:33	10/09/24 22:44	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 22:44	1
Toluene	ND		0.049	mg/Kg		10/08/24 15:33	10/09/24 22:44	1
Xylenes, Total	ND		0.099	mg/Kg		10/08/24 15:33	10/09/24 22:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/08/24 15:33	10/09/24 22:44	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/09/24 10:49	10/09/24 18:05	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 10:49	10/09/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			10/09/24 10:49	10/09/24 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography									
	Analyte	Result Qualifi	ier RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	92	61	mg/Kg		10/09/24 12:02	10/09/24 18:37	20	

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-29 0' Lab Sample ID: 885-13299-11

Date Collected: 10/04/24 10:15

Date Received: 10/08/24 07:55

Date Received: 10/08/24 07:55								
- Method: SW846 8015M/D - Ga	soline Rang	e Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/08/24 15:33	10/09/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 15:33	10/09/24 23:27	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		10/08/24 15:33	10/09/24 23:27	1
Ethylbenzene	ND		0.047	mg/Kg		10/08/24 15:33	10/09/24 23:27	1
Toluene	ND		0.047	mg/Kg		10/08/24 15:33	10/09/24 23:27	1
Xylenes, Total	ND		0.094	mg/Kg		10/08/24 15:33	10/09/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/08/24 15:33	10/09/24 23:27	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/09/24 10:49	10/09/24 18:17	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/09/24 10:49	10/09/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			10/09/24 10:49	10/09/24 18:17	1
Method: EPA 300.0 - Anions,	on Chromat	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/09/24 12:02	10/09/24 18:49	20

3

3

4

6

<u>۾</u>

9

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-29 2'

Date Collected: 10/04/24 10:20 Date Received: 10/08/24 07:55

Ethylbenzene

Lab Sample ID: 885-13299-12

10/08/24 15:33 10/09/24 23:49

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 15:33	10/09/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/08/24 15:33	10/09/24 23:49	1
- Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 15:33	10/09/24 23:49	1

Toluene	ND		0.048	mg/Kg	10/08/24 15:33	10/09/24 23:49	1
Xylenes, Total	ND		0.097	mg/Kg	10/08/24 15:33	10/09/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145		10/08/24 15:33	10/09/24 23:49	

0.048

mg/Kg

ND

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]	ND		9.2	mg/Kg		10/09/24 10:49	10/09/24 18:28	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 10:49	10/09/24 18:28	1
Surrogate Di-n-octyl phthalate (Surr)	%Recovery 84	Qualifier	Limits 62 - 134			Prepared 10/09/24 10:49	Analyzed 10/09/24 18:28	Dil Fac

Method: EPA 300.0 - Anions, Id	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150	60	mg/Kg		10/09/24 12:02	10/09/24 19:02	20

Released to Imaging: 11/13/2025 8:39:02 AM

3

5

9

10

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-29 4.1'

Date Collected: 10/04/24 10:25

Date Received: 10/04/24 10:25

Lab Sample ID: 885-13299-13

Matrix: Solid

Method: SW846 8015M/D -	Gasoline Range	e Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/08/24 15:33	10/10/24 00:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/08/24 15:33	10/10/24 00:10	1
Method: SW846 8021B - Vo	olatile Organic C	ompound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 15:33	10/10/24 00:10	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.024	mg/Kg		10/08/24 15:33	10/10/24 00:10	1
Ethylbenzene	ND	0.047	mg/Kg		10/08/24 15:33	10/10/24 00:10	1
Toluene	ND	0.047	mg/Kg		10/08/24 15:33	10/10/24 00:10	1
Xylenes, Total	ND	0.095	mg/Kg		10/08/24 15:33	10/10/24 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared An	alyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145	10/08/24 15:33 10/10	/24 00:10	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		9.0	mg/Kg		10/09/24 10:49	10/09/24 18:39	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/09/24 10:49	10/09/24 18:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/09/24 10:49	10/09/24 18:39	1

Method: EPA 300.0 - Anions, Id	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	60	mg/Kg		10/09/24 12:02	10/09/24 19:14	20

Project/Site: Hackberry 18 Federal 2 Battery

Method: EPA 300.0 - Anions, Ion Chromatography

Result Qualifier

ND

Analyte

Chloride

Client Sample ID: BH24-30 0' Lab Sample ID: 885-13299-14

Date Collected: 10/04/24 10:30 Matrix: Solid

Date Received: 10/08/24 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 15:33	10/10/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/08/24 15:33	10/10/24 00:32	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		10/08/24 15:33	10/10/24 00:32	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/10/24 00:32	1
Toluene	ND		0.049	mg/Kg		10/08/24 15:33	10/10/24 00:32	1
Xylenes, Total	ND		0.098	mg/Kg		10/08/24 15:33	10/10/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/08/24 15:33	10/10/24 00:32	1
Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/09/24 14:31	10/09/24 20:09	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 14:31	10/09/24 20:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			10/09/24 14:31	10/09/24 20:09	

RL

60

Unit

mg/Kg

Prepared

Analyzed

10/10/24 11:20 10/10/24 12:39

Dil Fac

9

3

J

5

9

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-30 2'

Lab Sample ID: 885-13299-15 Date Collected: 10/04/24 10:35 Matrix: Solid

Date Received: 10/08/24 07:55

Method: SW846 8015M/D -	Gasoline Rang	je Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	MD		4.9	mg/Kg		10/08/24 15:33	10/10/24 00:54	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/08/24 15:33	10/10/24 00:54	1
Analyte Benzene	Result ND	Qualifier	RL 0.025	Unit mg/Kg	_ D	Prepared 10/08/24 15:33	Analyzed 10/10/24 00:54	Dil Fac
Method: SW846 8021B - Vo Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/10/24 00:54	. 1
Toluene	ND.		0.049	0 0			10/10/24 00:54	
	ND		0.049	mg/Kg		10/08/24 15:33	10/10/24 00:54	1
Xylenes, Total	ND		0.049	mg/Kg mg/Kg		10/08/24 15:33	10/10/24 00:54	1
		Qualifier						1 1 Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/09/24 14:31	10/09/24 20:20	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 14:31	10/09/24 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			10/09/24 14:31	10/09/24 20:20	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	60	mg/Kg	_	10/10/24 11:20	10/10/24 13:16	20

Eurofins Albuquerque

Client Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-30 4.1'

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID: 885-13299-16 Date Collected: 10/04/24 10:40 **Matrix: Solid**

Date Received: 10/08/24 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 15:33	10/10/24 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113	·	35 - 166			10/08/24 15:33	10/10/24 01:16	1

Method: SW846 8021B - Vo	olatile Organic Compour	ids (GC)				
Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.024	mg/Kg	10/08/24 15:33	10/10/24 01:16	1
Ethylbenzene	ND	0.048	mg/Kg	10/08/24 15:33	10/10/24 01:16	1
Toluene	ND	0.048	mg/Kg	10/08/24 15:33	10/10/24 01:16	1
Xylenes, Total	ND	0.096	mg/Kg	10/08/24 15:33	10/10/24 01:16	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	48 - 145		10/08/24 15:33	10/10/24 01:16	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		10/09/24 14:31	10/09/24 20:31	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/09/24 14:31	10/09/24 20:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			10/09/24 14:31	10/09/24 20:31	1

Method: EPA 300.0 - Anions, Io	n Chromato	ography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		10/10/24 11:20	10/10/24 13:29	20

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-31 0'

Date Collected: 10/04/24 10:50 Date Received: 10/08/24 07:55 Lab Sample ID: 885-13299-17

Matrix: Solid

Method: SW846 8015M/D - Analyte	_	e Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 15:33	10/10/24 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			10/08/24 15:33	10/10/24 01:37	1
 Method: SW846 8021B - Vo	olatile Organic (Compoun	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 15:33	10/10/24 01:37	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	MD		0.024	mg/Kg		10/08/24 15:33	10/10/24 01:37	1
Ethylbenzene	ND		0.048	mg/Kg		10/08/24 15:33	10/10/24 01:37	1
Toluene	ND		0.048	mg/Kg		10/08/24 15:33	10/10/24 01:37	1
Xylenes, Total	ND		0.096	mg/Kg		10/08/24 15:33	10/10/24 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 15:33	10/10/24 01:37	1

	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/09/24 14:31	10/09/24 20:42	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 14:31	10/09/24 20:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/09/24 14:31	10/09/24 20:42	1

Method: EPA 300.0 - Anions, lo	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg	_	10/10/24 11:20	10/10/24 13:41	20

Released to Imaging: 11/13/2025 8:39:02 AM

Analyte

Chloride

Released to Imaging: 11/13/2025 8:39:02 AM

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-31 2' Lab Sample ID: 885-13299-18

Date Collected: 10/04/24 10:55 **Matrix: Solid**

Method: SW846 8015M/D - Ga Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 15:33	10/10/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			10/08/24 15:33	10/10/24 01:59	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 15:33	10/10/24 01:59	1
Ethylbenzene	ND		0.048	mg/Kg		10/08/24 15:33	10/10/24 01:59	1
Toluene	ND		0.048	mg/Kg		10/08/24 15:33	10/10/24 01:59	1
Xylenes, Total	ND		0.096	mg/Kg		10/08/24 15:33	10/10/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 15:33	10/10/24 01:59	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		10/09/24 14:31	10/09/24 20:53	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/09/24 14:31	10/09/24 20:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/09/24 14:31	10/09/24 20:53	

60

Unit

mg/Kg

Prepared

Analyzed

10/10/24 11:20 10/10/24 13:53

Dil Fac

Result Qualifier

Client Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-31 4.1'

Date Collected: 10/04/24 11:00 Date Received: 10/08/24 07:55

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-13299-19

Prepared

10/08/24 15:33 10/10/24 02:21

Analyzed

Dil Fac

Matrix: Solid

Method: SW846 8015M/D -	Gasoline Rang	ge Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		10/08/24 15:33	10/10/24 02:21	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			10/08/24 15:33	10/10/24 02:21	1
Method: SW846 8021B - Vo	•	Compound Qualifier	ds (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	<u></u>	_ =	10/08/24 15:33	10/10/24 02:21	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 15:33	10/10/24 02:21	1
Toluene	ND		0.049	mg/Kg		10/08/24 15:33	10/10/24 02:21	1
Xvlenes. Total	ND		0.099	ma/Ka		10/08/24 15:33	10/10/24 02:21	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/09/24 14:31	10/09/24 21:04	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/09/24 14:31	10/09/24 21:04	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/09/24 14:31	10/09/24 21:04	

Limits

48 - 145

%Recovery Qualifier

Wiethou. LFA 300.0 - Allions, it	on Cinomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66	61	mg/Kg	_	10/10/24 11:20	10/10/24 14:06	20

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-32 0'

%Recovery Qualifier

102

Lab Sample ID: 885-13299-20 Date Collected: 10/04/24 11:05 Matrix: Solid

Date Received: 10/08/24 07:55

Surrogate

4-Bromofluorobenzene (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 15:33	10/10/24 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/08/24 15:33	10/10/24 02:43	1
<u>-</u>								
Method: SW846 8021B - Vo	olatile Organic (Compound	ds (GC)					
		Compound Qualifier	ds (GC)	Unit	D	Prepared	Analyzed	Dil Fac
		-		<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 10/08/24 15:33	Analyzed 10/10/24 02:43	Dil Fac
Analyte Benzene	Result	-	RL		<u>D</u>			Dil Fac
Method: SW846 8021B - Vo Analyte Benzene Ethylbenzene Toluene	Result ND	-	RL 0.024	mg/Kg	<u>D</u>	10/08/24 15:33	10/10/24 02:43	Dil Fac 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/09/24 14:31	10/09/24 21:15	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/09/24 14:31	10/09/24 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/09/24 14:31	10/09/24 21:15	1

Limits

48 - 145

Method: EPA 300.0 - Anions, Ion Chromatography								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	ND -	60	mg/Kg		10/10/24 11:20	10/10/24 14:43	20

Eurofins Albuquerque

Dil Fac

Prepared

Analyzed

10/08/24 15:33 10/10/24 02:43

Client Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-32 2'

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID: 885-13299-21

Date Collected: 10/04/24 11:10 **Matrix: Solid**

Method: SW846 8015M/D - Ga Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/09/24 09:45	10/10/24 16:28	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		35 - 166			10/09/24 09:45	10/10/24 16:28	
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/09/24 09:45	10/10/24 16:28	
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 09:45	10/10/24 16:28	
Toluene	ND		0.047	mg/Kg		10/09/24 09:45	10/10/24 16:28	
Xylenes, Total	ND		0.094	mg/Kg		10/09/24 09:45	10/10/24 16:28	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	106		48 - 145			10/09/24 09:45	10/10/24 16:28	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		10/09/24 14:31	10/09/24 21:26	
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/09/24 14:31	10/09/24 21:26	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	79		62 - 134			10/09/24 14:31	10/09/24 21:26	
Method: EPA 300.0 - Anions, I	on Chromat	tography						
WELLIOU. EFA 300.0 - ALLIOHS, I	• •							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-32 4.1'

Date Collected: 10/04/24 11:15

Released to Imaging: 11/13/2025 8:39:02 AM

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-22

Matrix: Solid

Method: SW846 8015M/D - Analyte		ge Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analvzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	<u>quamor</u>	4.8	mg/Kg	_ =	10/09/24 09:45		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/09/24 09:45	10/10/24 16:49	1
Method: SW846 8021B - Vo	olatile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result Qualif	ier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.024	mg/Kg		10/09/24 09:45	10/10/24 16:49	1
Ethylbenzene	ND	0.048	mg/Kg		10/09/24 09:45	10/10/24 16:49	1
Toluene	ND	0.048	mg/Kg		10/09/24 09:45	10/10/24 16:49	1
Xylenes, Total	ND	0.096	mg/Kg		10/09/24 09:45	10/10/24 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145	10/09/24 09:45	10/10/24 16:49	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		9.4	mg/Kg		10/09/24 14:31	10/09/24 21:37	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/09/24 14:31	10/09/24 21:37	1
Surrogate Di-n-octyl phthalate (Surr)	%Recovery	Qualifier	Limits 62 - 134			Prepared 10/09/24 14:31	Analyzed 10/09/24 21:37	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	110	60	mg/Kg		10/10/24 11:20	10/10/24 15:07	20	

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-33 0' Lab Sample ID: 885-13299-23

Date Collected: 10/04/24 11:20 **Matrix: Solid**

Date Received: 10/08/24 07:55

Chloride

Released to Imaging: 11/13/2025 8:39:02 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		10/09/24 09:45	10/10/24 17:33	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			10/09/24 09:45	10/10/24 17:33	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/09/24 09:45	10/10/24 17:33	1
Ethylbenzene	ND		0.049	mg/Kg		10/09/24 09:45	10/10/24 17:33	1
Toluene	ND		0.049	mg/Kg		10/09/24 09:45	10/10/24 17:33	1
Xylenes, Total	ND		0.098	mg/Kg		10/09/24 09:45	10/10/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/09/24 09:45	10/10/24 17:33	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/09/24 14:31	10/09/24 21:59	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/09/24 14:31	10/09/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			10/09/24 14:31	10/09/24 21:59	1
Method: EPA 300.0 - Anions, I	on Chroma	tography						

60

mg/Kg

ND

10/10/24 11:20 10/10/24 15:20

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-33 2' Lab Sample ID: 885-13299-24

Date Collected: 10/04/24 11:25

Matrix: Solid

Method: SW846 8015M/D - Ga	_		s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/09/24 09:45	10/10/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			10/09/24 09:45	10/10/24 17:54	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/09/24 09:45	10/10/24 17:54	1
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 09:45	10/10/24 17:54	1
Toluene	ND		0.047	mg/Kg		10/09/24 09:45	10/10/24 17:54	1
Xylenes, Total	ND		0.095	mg/Kg		10/09/24 09:45	10/10/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/09/24 09:45	10/10/24 17:54	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/09/24 14:31	10/09/24 22:10	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 14:31	10/09/24 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			10/09/24 14:31	10/09/24 22:10	1
Method: EPA 300.0 - Anions, I	on Chromat	tography						
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	NL.	Ollit		Fiepaieu	Allalyzeu	DIIFac

3

3

Λ

ວ

7

0

10

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-33 4.1'

Date Collected: 10/04/24 11:30

Date Received: 10/08/24 07:55

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-13299-25

Prepared

Analyzed

10/09/24 09:45 10/10/24 18:16

Matrix: Solid

Method: SW846 8015M/D -	Gasoline Rang	je Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/09/24 09:45	10/10/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			10/09/24 09:45	10/10/24 18:16	1
_ Method: SW846 8021B - Vo	olatile Organic	Compound	ds (GC)					
Analyte	_	•	· ,					
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND Result	Qualifier	RL 0.024	Unit mg/Kg	<u>D</u>	Prepared 10/09/24 09:45	Analyzed 10/10/24 18:16	Dil Fac
Benzene Ethylbenzene		Qualifier			<u>D</u>			Dil Fac
	ND	Qualifier	0.024	mg/Kg	<u>D</u>	10/09/24 09:45	10/10/24 18:16	Dil Fac 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/09/24 14:31	10/09/24 22:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/09/24 14:31	10/09/24 22:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/09/24 14:31	10/09/24 22:21	1

Limits

48 - 145

%Recovery Qualifier

101

Method. Li A 300.0 - Allions, id								
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/10/24 11:20	10/10/24 16:09	20

Eurofins Albuquerque

2

5

7

9

10

11

Dil Fac

Project/Site: Hackberry 18 Federal 2 Battery

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

Lab Sample ID: MB 885-13913/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 14039

Prep Type: Total/NA Prep Batch: 13913 MB MB

Result Qualifier RL Unit D Dil Fac Analyte Prepared Analyzed Gasoline Range Organics 10/08/24 15:33 10/09/24 17:40 ND 5.0 mg/Kg

(GRO)-C6-C10

MB MB

Qualifier Surrogate %Recovery 4-Bromofluorobenzene (Surr) 111

Limits Dil Fac Prepared Analyzed 35 - 166 10/08/24 15:33 10/09/24 17:40

Lab Sample ID: LCS 885-13913/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 14039

Prep Batch: 13913 LCS LCS Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 27.8 mg/Kg 111 70 - 130

(GRO)-C6-C10

LCS LCS

%Recovery Qualifier Limits Surrogate 35 - 166 4-Bromofluorobenzene (Surr) 224

Lab Sample ID: 885-13299-1 MS Client Sample ID: BH23-18 3' Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 14039

Prep Batch: 13913 Sample Sample Spike MS MS %Rec **Analyte** Result Qualifier Added Result Qualifier Unit %Rec Limits Gasoline Range Organics ND 25.0 29.1 mg/Kg 117 70 - 130

(GRO)-C6-C10

MS MS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 226 35 - 166

Lab Sample ID: 885-13299-1 MSD Client Sample ID: BH23-18 3'

Matrix: Solid

Analysis Batch: 14039 Prep Batch: 13913 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Limits RPD Limit Unit D %Rec Gasoline Range Organics ND 25.0 29.4 118 70 - 130 mg/Kg

(GRO)-C6-C10

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 232 35 - 166

Lab Sample ID: MB 885-13947/1-A

Matrix: Solid

Analysis Batch: 14112

Client Sample ID: Method Blank **Prep Type: Total/NA**

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 5.0 10/09/24 09:45 10/10/24 11:45 Gasoline Range Organics ND mg/Kg

(GRO)-C6-C10

Eurofins Albuquerque

Prep Batch: 13947

Prep Type: Total/NA

Dil Fac

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

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

Lab Sample ID: MB 885-13947/1-A **Matrix: Solid**

Lab Sample ID: LCS 885-13947/2-A

Analysis Batch: 14112

Analysis Batch: 14112

Gasoline Range Organics

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyzed

Prep Batch: 13947

MB MB %Recovery Qualifier Limits Prepared 10/09/24 09:45 10/10/24 11:45

Surrogate

4-Bromofluorobenzene (Surr) 108 35 - 166

111

Client Sample ID: Lab Control Sample

70 - 130

Prep Type: Total/NA Prep Batch: 13947

Spike LCS LCS %Rec Added Limits Result Qualifier Unit %Rec

27.8

mg/Kg

25.0

(GRO)-C6-C10

Analyte

Matrix: Solid

LCS LCS

MD MD

%Recovery Qualifier Limits Surrogate 35 - 166 4-Bromofluorobenzene (Surr) 227

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Analysis Batch: 14040

Lab Sample ID: MB 885-13913/1-A

Client Sample ID: Method Blank **Prep Type: Total/NA** Prep Batch: 13913

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 15:33	10/09/24 17:40	1
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 15:33	10/09/24 17:40	1
Toluene	ND		0.050	mg/Kg		10/08/24 15:33	10/09/24 17:40	1
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 15:33	10/09/24 17:40	1

MB MB

%Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 10/08/24 15:33 10/09/24 17:40 4-Bromofluorobenzene (Surr) 104 48 - 145

Lab Sample ID: LCS 885-13913/3-A

Matrix: Solid

Analysis Batch: 14040

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

Prep Batch: 13913

LCS LCS %Rec Spike Analyte Added Unit Limits Result Qualifier D %Rec Benzene 1.00 1.03 103 70 - 130 mg/Kg 1.00 Ethylbenzene 1.03 103 70 _ 130 mg/Kg m-Xylene & p-Xylene 2.00 2.03 mg/Kg 102 70 - 130 o-Xylene 1.00 1.02 mg/Kg 102 70 - 130 Toluene 1.00 1.03 mg/Kg 103 70 - 130

LCS LCS

Surrogate %Recovery Qualifier Limits 103 48 - 145

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-13299-2 MS

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 14040** Prep Batch: 13913 %Rec Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene ND 0.996 1.09 110 70 - 130 mg/Kg

Eurofins Albuquerque

Client Sample ID: BH23-18 4.1'

QC Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

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

Lab Sample ID: 885-13299-2 MS **Matrix: Solid**

Analysis Batch: 14040

Client Sample ID: BH23-18 4.1'

Prep Type: Total/NA

Prep Batch: 13913

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	ND		0.996	1.12		mg/Kg		113	70 - 130	
m-Xylene & p-Xylene	ND		1.99	2.23		mg/Kg		112	70 - 130	
o-Xylene	ND		0.996	1.11		mg/Kg		112	70 - 130	
Toluene	ND		0.996	1.12		mg/Kg		112	70 - 130	
	MS	MS								

Limits Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 105 48 - 145

Client Sample ID: BH23-18 4.1'

Prep Type: Total/NA

Prep Batch: 13913

Lab Sample ID: 885-13299-2 MSD

Matrix: Solid

Analysis Batch: 14040

inaly old Datolli i io io											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.998	1.05		mg/Kg		105	70 - 130	4	20
Ethylbenzene	ND		0.998	1.09		mg/Kg		109	70 - 130	3	20
m-Xylene & p-Xylene	ND		2.00	2.17		mg/Kg		108	70 - 130	3	20
o-Xylene	ND		0.998	1.07		mg/Kg		108	70 - 130	4	20
Toluene	ND		0.998	1.08		mg/Kg		108	70 - 130	4	20

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 105 48 - 145

Lab Sample ID: MB 885-13947/1-A

Matrix: Solid

Analysis Batch: 14113

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 13947

	IVID	IVID							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.025	mg/Kg	_	10/09/24 09:45	10/10/24 11:45	1	
Ethylbenzene	ND		0.050	mg/Kg		10/09/24 09:45	10/10/24 11:45	1	
Toluene	ND		0.050	mg/Kg		10/09/24 09:45	10/10/24 11:45	1	
Xylenes, Total	ND		0.10	mg/Kg		10/09/24 09:45	10/10/24 11:45	1	

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 10/09/24 09:45 10/10/24 11:45 107 48 - 145

Lab Sample ID: LCS 885-13947/3-A

Matrix: Solid

Analysis Batch: 14113

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 13947

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	0.980		mg/Kg		98	70 - 130	
Ethylbenzene	1.00	1.00		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	2.00	1.98		mg/Kg		99	70 - 130	
o-Xylene	1.00	0.979		mg/Kg		98	70 - 130	
Toluene	1.00	0.991		mg/Kg		99	70 - 130	

Eurofins Albuquerque

Project/Site: Hackberry 18 Federal 2 Battery

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

Lab Sample ID: LCS 885-13947/3-A **Matrix: Solid**

Analysis Batch: 14113

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

Prep Batch: 13947

LCS LCS

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 106 48 - 145

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

Lab Sample ID: MB 885-13964/1-A

Matrix: Solid

Analysis Batch: 13961

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 13964

MB MB Analyte Result Qualifier RL Unit D **Prepared** Analyzed Dil Fac Diesel Range Organics [C10-C28] 10 10/09/24 10:49 ND 10/09/24 14:14 mg/Kg Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 10/09/24 10:49 10/09/24 14:14

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 10/09/24 10:49 10/09/24 14:14 Di-n-octyl phthalate (Surr) 62 - 134 80

Lab Sample ID: LCS 885-13964/2-A

Matrix: Solid

Analysis Batch: 13961

Prep Type: Total/NA Prep Batch: 13964 Spike LCS LCS %Rec

Added Result Qualifier Limits Analyte Unit D %Rec Diesel Range Organics 50.0 43.5 mg/Kg 87 60 - 135

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 83 62 - 134

Lab Sample ID: 885-13299-13 MS

Matrix: Solid

Analysis Batch: 13961

Client Sample ID: BH24-29 4.1'

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13964

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

49.1 45.8 93 44 - 136 **Diesel Range Organics** ND mg/Kg

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 87 62 - 134

Lab Sample ID: 885-13299-13 MSD Client Sample ID: BH24-29 4.1'

Matrix: Solid

Analysis Batch: 13961

Prep Type: Total/NA

Prep Batch: 13964

MSD MSD %Rec RPD Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit **Diesel Range Organics** ND 47.1 42.9 mg/Kg 91 44 - 136 6

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits 62 - 134 Di-n-octyl phthalate (Surr) 86

Eurofins Albuquerque

Project/Site: Hackberry 18 Federal 2 Battery

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

Lab Sample ID: MB 885-13990/1-A

Lab Sample ID: LCS 885-13990/2-A

Analysis Batch: 13961

Matrix: Solid

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 13990

MB MB Result Qualifier RL Unit D Analyzed Dil Fac Analyte Prepared 10/09/24 14:31 10/09/24 19:47 Diesel Range Organics [C10-C28] ND 10 mg/Kg Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 10/09/24 14:31 10/09/24 19:47

MB MB

Surrogate %Recovery Qualifier I imite Prepared Analyzed Dil Fac Di-n-octyl phthalate (Surr) 80 62 - 134 10/09/24 14:31 10/09/24 19:47

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13990

Spike LCS LCS %Rec Added Result Qualifier Limits Unit %Rec Analyte D 50.0 60 - 135 **Diesel Range Organics** 42.6 mg/Kg 85

[C10-C28]

Matrix: Solid

Analysis Batch: 13961

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 81 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-13973/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 13984

MB MB

RL Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac 3.0 10/09/24 12:02 10/09/24 13:41 Chloride ND mg/Kg

Lab Sample ID: LCS 885-13973/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 13984

Prep Batch: 13973 Spike LCS LCS %Rec

Added Limits Analyte Result Qualifier Unit D %Rec Chloride 30.0 28.9 96 90 - 110 mg/Kg

Lab Sample ID: MRL 885-13984/61

Matrix: Solid

Released to Imaging: 11/13/2025 8:39:02 AM

Analysis Batch: 13984

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits 0.500 Chloride 0.530 mg/L 106

Lab Sample ID: MB 885-14063/1-A **Client Sample ID: Method Blank**

Matrix: Solid

Analysis Batch: 14104

Prep Batch: 14063 MB MB Result Qualifier RL Unit Prepared Analyzed

Analyte Chloride ND 3.0 mg/Kg 10/10/24 11:20 10/10/24 12:14

Eurofins Albuquerque

Prep Type: Total/NA

Prep Batch: 13973

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

50 - 150

Prep Type: Total/NA

QC Sample Results

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-14063/2-A **Matrix: Solid**

Released to Imaging: 11/13/2025 8:39:02 AM

Analysis Batch: 14104

Analyte Chloride

Spike Added 30.0

29.2

LCS LCS Result Qualifier

Unit mg/Kg D %Rec 97

Limits 90 - 110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14063

Eurofins Albuquerque

QC Association Summary

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

GC VOA

Prep Batch: 13913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	5030C	_
885-13299-2	BH23-18 4.1'	Total/NA	Solid	5030C	
885-13299-3	BH24-19 3'	Total/NA	Solid	5030C	
885-13299-4	BH24-19 4.1'	Total/NA	Solid	5030C	
885-13299-5	BH24-27 0'	Total/NA	Solid	5030C	
885-13299-6	BH24-27 2'	Total/NA	Solid	5030C	
885-13299-7	BH24-27 4.1	Total/NA	Solid	5030C	
885-13299-8	BH24-28 0'	Total/NA	Solid	5030C	
885-13299-9	BH24-28 2'	Total/NA	Solid	5030C	
885-13299-10	BH24-28 4.1'	Total/NA	Solid	5030C	
885-13299-11	BH24-29 0'	Total/NA	Solid	5030C	
885-13299-12	BH24-29 2'	Total/NA	Solid	5030C	
885-13299-13	BH24-29 4.1'	Total/NA	Solid	5030C	
885-13299-14	BH24-30 0'	Total/NA	Solid	5030C	
885-13299-15	BH24-30 2'	Total/NA	Solid	5030C	
885-13299-16	BH24-30 4.1'	Total/NA	Solid	5030C	
885-13299-17	BH24-31 0'	Total/NA	Solid	5030C	
885-13299-18	BH24-31 2'	Total/NA	Solid	5030C	
885-13299-19	BH24-31 4.1'	Total/NA	Solid	5030C	
885-13299-20	BH24-32 0'	Total/NA	Solid	5030C	
MB 885-13913/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13913/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13913/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-13299-1 MS	BH23-18 3'	Total/NA	Solid	5030C	
885-13299-1 MSD	BH23-18 3'	Total/NA	Solid	5030C	
885-13299-2 MS	BH23-18 4.1'	Total/NA	Solid	5030C	
885-13299-2 MSD	BH23-18 4.1'	Total/NA	Solid	5030C	

Prep Batch: 13947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-21	BH24-32 2'	Total/NA	Solid	5030C	
885-13299-22	BH24-32 4.1'	Total/NA	Solid	5030C	
885-13299-23	BH24-33 0'	Total/NA	Solid	5030C	
885-13299-24	BH24-33 2'	Total/NA	Solid	5030C	
885-13299-25	BH24-33 4.1'	Total/NA	Solid	5030C	
MB 885-13947/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13947/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13947/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 14039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	8015M/D	13913
885-13299-2	BH23-18 4.1'	Total/NA	Solid	8015M/D	13913
885-13299-3	BH24-19 3'	Total/NA	Solid	8015M/D	13913
885-13299-4	BH24-19 4.1'	Total/NA	Solid	8015M/D	13913
885-13299-5	BH24-27 0'	Total/NA	Solid	8015M/D	13913
885-13299-6	BH24-27 2'	Total/NA	Solid	8015M/D	13913
885-13299-7	BH24-27 4.1	Total/NA	Solid	8015M/D	13913
885-13299-8	BH24-28 0'	Total/NA	Solid	8015M/D	13913
885-13299-9	BH24-28 2'	Total/NA	Solid	8015M/D	13913
885-13299-10	BH24-28 4.1'	Total/NA	Solid	8015M/D	13913

Eurofins Albuquerque

O

7

9

10

11

. .

Project/Site: Hackberry 18 Federal 2 Battery

GC VOA (Continued)

Analysis Batch: 14039 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-11	BH24-29 0'	Total/NA	Solid	8015M/D	13913
885-13299-12	BH24-29 2'	Total/NA	Solid	8015M/D	13913
885-13299-13	BH24-29 4.1'	Total/NA	Solid	8015M/D	13913
885-13299-14	BH24-30 0'	Total/NA	Solid	8015M/D	13913
885-13299-15	BH24-30 2'	Total/NA	Solid	8015M/D	13913
885-13299-16	BH24-30 4.1'	Total/NA	Solid	8015M/D	13913
885-13299-17	BH24-31 0'	Total/NA	Solid	8015M/D	13913
885-13299-18	BH24-31 2'	Total/NA	Solid	8015M/D	13913
885-13299-19	BH24-31 4.1'	Total/NA	Solid	8015M/D	13913
885-13299-20	BH24-32 0'	Total/NA	Solid	8015M/D	13913
MB 885-13913/1-A	Method Blank	Total/NA	Solid	8015M/D	13913
LCS 885-13913/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13913
885-13299-1 MS	BH23-18 3'	Total/NA	Solid	8015M/D	13913
885-13299-1 MSD	BH23-18 3'	Total/NA	Solid	8015M/D	13913

Analysis Batch: 14040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	8021B	13913
885-13299-2	BH23-18 4.1'	Total/NA	Solid	8021B	13913
885-13299-3	BH24-19 3'	Total/NA	Solid	8021B	13913
885-13299-4	BH24-19 4.1'	Total/NA	Solid	8021B	13913
885-13299-5	BH24-27 0'	Total/NA	Solid	8021B	13913
885-13299-6	BH24-27 2'	Total/NA	Solid	8021B	13913
885-13299-7	BH24-27 4.1	Total/NA	Solid	8021B	13913
885-13299-8	BH24-28 0'	Total/NA	Solid	8021B	13913
885-13299-9	BH24-28 2'	Total/NA	Solid	8021B	13913
885-13299-10	BH24-28 4.1'	Total/NA	Solid	8021B	13913
885-13299-11	BH24-29 0'	Total/NA	Solid	8021B	13913
885-13299-12	BH24-29 2'	Total/NA	Solid	8021B	13913
885-13299-13	BH24-29 4.1'	Total/NA	Solid	8021B	13913
885-13299-14	BH24-30 0'	Total/NA	Solid	8021B	13913
885-13299-15	BH24-30 2'	Total/NA	Solid	8021B	13913
885-13299-16	BH24-30 4.1'	Total/NA	Solid	8021B	13913
885-13299-17	BH24-31 0'	Total/NA	Solid	8021B	13913
885-13299-18	BH24-31 2'	Total/NA	Solid	8021B	13913
885-13299-19	BH24-31 4.1'	Total/NA	Solid	8021B	13913
885-13299-20	BH24-32 0'	Total/NA	Solid	8021B	13913
MB 885-13913/1-A	Method Blank	Total/NA	Solid	8021B	13913
LCS 885-13913/3-A	Lab Control Sample	Total/NA	Solid	8021B	13913
885-13299-2 MS	BH23-18 4.1'	Total/NA	Solid	8021B	13913
885-13299-2 MSD	BH23-18 4.1'	Total/NA	Solid	8021B	13913

Analysis Batch: 14112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-21	BH24-32 2'	Total/NA	Solid	8015M/D	13947
885-13299-22	BH24-32 4.1'	Total/NA	Solid	8015M/D	13947
885-13299-23	BH24-33 0'	Total/NA	Solid	8015M/D	13947
885-13299-24	BH24-33 2'	Total/NA	Solid	8015M/D	13947
885-13299-25	BH24-33 4.1'	Total/NA	Solid	8015M/D	13947
MB 885-13947/1-A	Method Blank	Total/NA	Solid	8015M/D	13947
LCS 885-13947/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13947

Eurofins Albuquerque

Project/Site: Hackberry 18 Federal 2 Battery

GC VOA

Analysis Batch: 14113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-21	BH24-32 2'	Total/NA	Solid	8021B	13947
885-13299-22	BH24-32 4.1'	Total/NA	Solid	8021B	13947
885-13299-23	BH24-33 0'	Total/NA	Solid	8021B	13947
885-13299-24	BH24-33 2'	Total/NA	Solid	8021B	13947
885-13299-25	BH24-33 4.1'	Total/NA	Solid	8021B	13947
MB 885-13947/1-A	Method Blank	Total/NA	Solid	8021B	13947
LCS 885-13947/3-A	Lab Control Sample	Total/NA	Solid	8021B	13947

GC Semi VOA

Analysis Batch: 13961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	8015M/D	13964
885-13299-2	BH23-18 4.1'	Total/NA	Solid	8015M/D	13964
885-13299-3	BH24-19 3'	Total/NA	Solid	8015M/D	13964
885-13299-4	BH24-19 4.1'	Total/NA	Solid	8015M/D	13964
885-13299-5	BH24-27 0'	Total/NA	Solid	8015M/D	13964
885-13299-6	BH24-27 2'	Total/NA	Solid	8015M/D	13964
885-13299-7	BH24-27 4.1	Total/NA	Solid	8015M/D	13964
885-13299-8	BH24-28 0'	Total/NA	Solid	8015M/D	13964
885-13299-9	BH24-28 2'	Total/NA	Solid	8015M/D	13964
885-13299-10	BH24-28 4.1'	Total/NA	Solid	8015M/D	13964
885-13299-11	BH24-29 0'	Total/NA	Solid	8015M/D	13964
885-13299-12	BH24-29 2'	Total/NA	Solid	8015M/D	13964
885-13299-13	BH24-29 4.1'	Total/NA	Solid	8015M/D	13964
885-13299-14	BH24-30 0'	Total/NA	Solid	8015M/D	13990
885-13299-15	BH24-30 2'	Total/NA	Solid	8015M/D	13990
885-13299-16	BH24-30 4.1'	Total/NA	Solid	8015M/D	13990
885-13299-17	BH24-31 0'	Total/NA	Solid	8015M/D	13990
885-13299-18	BH24-31 2'	Total/NA	Solid	8015M/D	13990
885-13299-19	BH24-31 4.1'	Total/NA	Solid	8015M/D	13990
885-13299-20	BH24-32 0'	Total/NA	Solid	8015M/D	13990
885-13299-21	BH24-32 2'	Total/NA	Solid	8015M/D	13990
885-13299-22	BH24-32 4.1'	Total/NA	Solid	8015M/D	13990
885-13299-23	BH24-33 0'	Total/NA	Solid	8015M/D	13990
885-13299-24	BH24-33 2'	Total/NA	Solid	8015M/D	13990
885-13299-25	BH24-33 4.1'	Total/NA	Solid	8015M/D	13990
MB 885-13964/1-A	Method Blank	Total/NA	Solid	8015M/D	13964
MB 885-13990/1-A	Method Blank	Total/NA	Solid	8015M/D	13990
LCS 885-13964/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13964
LCS 885-13990/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13990
885-13299-13 MS	BH24-29 4.1'	Total/NA	Solid	8015M/D	13964
885-13299-13 MSD	BH24-29 4.1'	Total/NA	Solid	8015M/D	13964

Prep Batch: 13964

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	SHAKE	
885-13299-2	BH23-18 4.1'	Total/NA	Solid	SHAKE	
885-13299-3	BH24-19 3'	Total/NA	Solid	SHAKE	
885-13299-4	BH24-19 4.1'	Total/NA	Solid	SHAKE	
885-13299-5	BH24-27 0'	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

GC Semi VOA (Continued)

Prep Batch: 13964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-6	BH24-27 2'	Total/NA	Solid	SHAKE	_
885-13299-7	BH24-27 4.1	Total/NA	Solid	SHAKE	
885-13299-8	BH24-28 0'	Total/NA	Solid	SHAKE	
885-13299-9	BH24-28 2'	Total/NA	Solid	SHAKE	
885-13299-10	BH24-28 4.1'	Total/NA	Solid	SHAKE	
885-13299-11	BH24-29 0'	Total/NA	Solid	SHAKE	
885-13299-12	BH24-29 2'	Total/NA	Solid	SHAKE	
885-13299-13	BH24-29 4.1'	Total/NA	Solid	SHAKE	
MB 885-13964/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13964/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-13299-13 MS	BH24-29 4.1'	Total/NA	Solid	SHAKE	
885-13299-13 MSD	BH24-29 4.1'	Total/NA	Solid	SHAKE	

Prep Batch: 13990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-14	BH24-30 0'	Total/NA	Solid	SHAKE	_
885-13299-15	BH24-30 2'	Total/NA	Solid	SHAKE	
885-13299-16	BH24-30 4.1'	Total/NA	Solid	SHAKE	
885-13299-17	BH24-31 0'	Total/NA	Solid	SHAKE	
885-13299-18	BH24-31 2'	Total/NA	Solid	SHAKE	
885-13299-19	BH24-31 4.1'	Total/NA	Solid	SHAKE	
885-13299-20	BH24-32 0'	Total/NA	Solid	SHAKE	
885-13299-21	BH24-32 2'	Total/NA	Solid	SHAKE	
885-13299-22	BH24-32 4.1'	Total/NA	Solid	SHAKE	
885-13299-23	BH24-33 0'	Total/NA	Solid	SHAKE	
885-13299-24	BH24-33 2'	Total/NA	Solid	SHAKE	
885-13299-25	BH24-33 4.1'	Total/NA	Solid	SHAKE	
MB 885-13990/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13990/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 13973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	300_Prep	
885-13299-2	BH23-18 4.1'	Total/NA	Solid	300_Prep	
885-13299-3	BH24-19 3'	Total/NA	Solid	300_Prep	
885-13299-4	BH24-19 4.1'	Total/NA	Solid	300_Prep	
885-13299-5	BH24-27 0'	Total/NA	Solid	300_Prep	
885-13299-6	BH24-27 2'	Total/NA	Solid	300_Prep	
885-13299-7	BH24-27 4.1	Total/NA	Solid	300_Prep	
885-13299-8	BH24-28 0'	Total/NA	Solid	300_Prep	
885-13299-9	BH24-28 2'	Total/NA	Solid	300_Prep	
885-13299-10	BH24-28 4.1'	Total/NA	Solid	300_Prep	
885-13299-11	BH24-29 0'	Total/NA	Solid	300_Prep	
885-13299-12	BH24-29 2'	Total/NA	Solid	300_Prep	
885-13299-13	BH24-29 4.1'	Total/NA	Solid	300_Prep	
MB 885-13973/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-13973/2-A	Lab Control Sample	Total/NA	Solid	300 Prep	

Eurofins Albuquerque

•

2

Δ

6

Q

9

10

1'

. .

QC Association Summary

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

HPLC/IC

Analysis Batch: 13984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-1	BH23-18 3'	Total/NA	Solid	300.0	13973
885-13299-2	BH23-18 4.1'	Total/NA	Solid	300.0	13973
885-13299-3	BH24-19 3'	Total/NA	Solid	300.0	13973
885-13299-5	BH24-27 0'	Total/NA	Solid	300.0	13973
885-13299-6	BH24-27 2'	Total/NA	Solid	300.0	13973
885-13299-7	BH24-27 4.1	Total/NA	Solid	300.0	13973
885-13299-8	BH24-28 0'	Total/NA	Solid	300.0	13973
885-13299-9	BH24-28 2'	Total/NA	Solid	300.0	13973
885-13299-10	BH24-28 4.1'	Total/NA	Solid	300.0	13973
885-13299-11	BH24-29 0'	Total/NA	Solid	300.0	13973
885-13299-12	BH24-29 2'	Total/NA	Solid	300.0	13973
885-13299-13	BH24-29 4.1'	Total/NA	Solid	300.0	13973
MB 885-13973/1-A	Method Blank	Total/NA	Solid	300.0	13973
LCS 885-13973/2-A	Lab Control Sample	Total/NA	Solid	300.0	13973
MRL 885-13984/61	Lab Control Sample	Total/NA	Solid	300.0	

Prep Batch: 14063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-14	BH24-30 0'	Total/NA	Solid	300_Prep	_
885-13299-15	BH24-30 2'	Total/NA	Solid	300_Prep	
885-13299-16	BH24-30 4.1'	Total/NA	Solid	300_Prep	
885-13299-17	BH24-31 0'	Total/NA	Solid	300_Prep	
885-13299-18	BH24-31 2'	Total/NA	Solid	300_Prep	
885-13299-19	BH24-31 4.1'	Total/NA	Solid	300_Prep	
885-13299-20	BH24-32 0'	Total/NA	Solid	300_Prep	
885-13299-21	BH24-32 2'	Total/NA	Solid	300_Prep	
885-13299-22	BH24-32 4.1'	Total/NA	Solid	300_Prep	
885-13299-23	BH24-33 0'	Total/NA	Solid	300_Prep	
885-13299-24	BH24-33 2'	Total/NA	Solid	300_Prep	
885-13299-25	BH24-33 4.1'	Total/NA	Solid	300_Prep	
MB 885-14063/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14063/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 14104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13299-4	BH24-19 4.1'	Total/NA	Solid	300.0	13973
885-13299-14	BH24-30 0'	Total/NA	Solid	300.0	14063
885-13299-15	BH24-30 2'	Total/NA	Solid	300.0	14063
885-13299-16	BH24-30 4.1'	Total/NA	Solid	300.0	14063
885-13299-17	BH24-31 0'	Total/NA	Solid	300.0	14063
885-13299-18	BH24-31 2'	Total/NA	Solid	300.0	14063
885-13299-19	BH24-31 4.1'	Total/NA	Solid	300.0	14063
885-13299-20	BH24-32 0'	Total/NA	Solid	300.0	14063
885-13299-21	BH24-32 2'	Total/NA	Solid	300.0	14063
885-13299-22	BH24-32 4.1'	Total/NA	Solid	300.0	14063
885-13299-23	BH24-33 0'	Total/NA	Solid	300.0	14063
885-13299-24	BH24-33 2'	Total/NA	Solid	300.0	14063
885-13299-25	BH24-33 4.1'	Total/NA	Solid	300.0	14063
MB 885-14063/1-A	Method Blank	Total/NA	Solid	300.0	14063
LCS 885-14063/2-A	Lab Control Sample	Total/NA	Solid	300.0	14063

Eurofins Albuquerque

•

_

5

7

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH23-18 3'

Date Collected: 10/04/24 09:15

Lab Sample ID: 885-13299-1

Matrix: Solid

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 18:01
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 18:01
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 16:01
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 16:21

Client Sample ID: BH23-18 4.1'

Date Collected: 10/04/24 09:20

Lab Sample ID: 885-13299-2

Matrix: Solid

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 19:07
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 19:07
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 16:12
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 16:34

Client Sample ID: BH24-19 3'

Date Collected: 10/04/24 09:25

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-3

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 20:12
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 20:12
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 16:33
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 16:46

Client Sample ID: BH24-19 4.1'

Date Collected: 10/04/24 09:30

Date Received: 10/08/24 07:55

Lab Samp	le ID:	885-13	3299-4
----------	--------	--------	--------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 20:33

Client Sample ID: BH24-19 4.1'

Date Collected: 10/04/24 09:30

Date Received: 10/08/24 07:55

Client: Vertex

Lab Sample ID: 885-13299-4

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 20:33
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 17:00
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		50	14104	MA	EET ALB	10/11/24 02:26

Client Sample ID: BH24-27 0'

Date Collected: 10/04/24 09:40 Date Received: 10/08/24 07:55 Lab Sample ID: 885-13299-5

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 20:55
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 20:55
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 17:10
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 17:11

Client Sample ID: BH24-27 2'

Date Collected: 10/04/24 09:45

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-6

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 21:17
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 21:17
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 17:21
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 17:23

Client Sample ID: BH24-27 4.1

Date Collected: 10/04/24 09:50

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-7

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 21:39
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 21:39

Lab Sample ID: 885-13299-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 885-13299-1

Client Sample ID: BH24-27 4.1 Date Collected: 10/04/24 09:50

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 17:32
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 17:35

Client Sample ID: BH24-28 0' Lab Sample ID: 885-13299-8 Date Collected: 10/04/24 10:00 Matrix: Solid

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 22:00
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 22:00
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 17:43
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 18:12

Client Sample ID: BH24-28 2' Lab Sample ID: 885-13299-9

Date Collected: 10/04/24 10:05

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 22:22
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 22:22
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 17:54
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 18:25

Client Sample ID: BH24-28 4.1'

Date Collected: 10/04/24 10:10

Date Received: 10/08/24 07:55

Date Receive	u. 10/00/24 0	1.00						
_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 22:44
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 22:44
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 18:05

Eurofins Albuquerque

Lab Sample ID: 885-13299-10

Lab Sample ID: 885-13299-10 Date Collected: 10/04/24 10:10

Matrix: Solid

Date Received: 10/08/24 07:55

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 18:37

Client Sample ID: BH24-29 0' Lab Sample ID: 885-13299-11

Matrix: Solid

Date Collected: 10/04/24 10:15 Date Received: 10/08/24 07:55

Batch Batch Dilution Batch Prepared Method or Analyzed **Prep Type** Type Run Number Analyst **Factor** Lab 10/08/24 15:33 Total/NA Prep 5030C 13913 AT **EET ALB** Total/NA Analysis 8015M/D 14039 AT 10/09/24 23:27 **EET ALB** 1 Total/NA Prep 5030C 13913 AT **EET ALB** 10/08/24 15:33 Total/NA 8021B 14040 AT 10/09/24 23:27 Analysis **EET ALB** 1 Total/NA Prep SHAKE 13964 KR **EET ALB** 10/09/24 10:49 Total/NA 8015M/D 13961 KR **EET ALB** 10/09/24 18:17 Analysis 1 Total/NA Prep 300 Prep 13973 EH **EET ALB** 10/09/24 12:02 Total/NA 300.0 20 13984 EH **EET ALB** 10/09/24 18:49 Analysis

Client Sample ID: BH24-29 2' Lab Sample ID: 885-13299-12

Date Collected: 10/04/24 10:20 Matrix: Solid

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/09/24 23:49
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/09/24 23:49
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 18:28
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 19:02

Client Sample ID: BH24-29 4.1' Lab Sample ID: 885-13299-13

Date Collected: 10/04/24 10:25 Matrix: Solid Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 00:10
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 00:10
Total/NA	Prep	SHAKE			13964	KR	EET ALB	10/09/24 10:49
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 18:39
Total/NA	Prep	300_Prep			13973	EH	EET ALB	10/09/24 12:02
Total/NA	Analysis	300.0		20	13984	EH	EET ALB	10/09/24 19:14

Client Sample ID: BH24-30 0'

Date Collected: 10/04/24 10:30

Lab Sample ID: 885-13299-14

Matrix: Solid

Date Received: 10/08/24 07:55

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 00:32
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 00:32
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 20:09
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 12:39

Client Sample ID: BH24-30 2' Lab Sam

Date Collected: 10/04/24 10:35

Lab Sample ID: 885-13299-15

Matrix: Solid

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 00:54
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 00:54
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 20:20
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 13:16

Client Sample ID: BH24-30 4.1'

Date Collected: 10/04/24 10:40

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-16

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 01:16
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 01:16
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 20:31
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 13:29

Client Sample ID: BH24-31 0'

Date Collected: 10/04/24 10:50

Date Received: 10/08/24 07:55

Lab Samp	le ID:	885-1	3299-17
----------	--------	-------	---------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 01:37

Client Sample ID: BH24-31 0'

Project/Site: Hackberry 18 Federal 2 Battery

Date Collected: 10/04/24 10:50

Lab Sample ID: 885-13299-17

Matrix: Solid

Date Received: 10/08/24 07:55

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 01:37
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 20:42
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 13:41

Lab Sample ID: 885-13299-18

Lab Sample ID: 885-13299-19

Matrix: Solid

Matrix: Solid

Date Collected: 10/04/24 10:55

Client Sample ID: BH24-31 2'

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 01:59
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 01:59
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 20:53
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 13:53

Client Sample ID: BH24-31 4.1'

Date Collected: 10/04/24 11:00

Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 02:21
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 02:21
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 21:04
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 14:06

Lab Sample ID: 885-13299-20 Client Sample ID: BH24-32 0'

Date Collected: 10/04/24 11:05 Date Received: 10/08/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13913	AT	EET ALB	10/08/24 15:33
Total/NA	Analysis	8015M/D		1	14039	AT	EET ALB	10/10/24 02:43
Total/NA	Prep	5030C			13913		EET ALB	10/08/24 15:33
Total/NA	Analysis	8021B		1	14040	AT	EET ALB	10/10/24 02:43

Eurofins Albuquerque

Matrix: Solid

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-32 0'

Date Collected: 10/04/24 11:05 Date Received: 10/08/24 07:55

Client: Vertex

Lab Sample ID: 885-13299-20

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 21:15
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 14:43

Client Sample ID: BH24-32 2'

Date Collected: 10/04/24 11:10

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-21

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8015M/D		1	14112	AT	EET ALB	10/10/24 16:28
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8021B		1	14113	AT	EET ALB	10/10/24 16:28
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 21:26
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 14:55

Client Sample ID: BH24-32 4.1'

Date Collected: 10/04/24 11:15

Date Received: 10/08/24 07:55

Lab Sample ID: 885-13299-22

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8015M/D		1	14112	AT	EET ALB	10/10/24 16:49
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8021B		1	14113	AT	EET ALB	10/10/24 16:49
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 21:37
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 15:07

Client Sample ID: BH24-33 0'

Date Collected: 10/04/24 11:20

Date Received: 10/08/24 07:55

Lab Sample	ID:	885-13299-23

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8015M/D		1	14112	AT	EET ALB	10/10/24 17:33
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8021B		1	14113	AT	EET ALB	10/10/24 17:33
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 21:59

Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

Client Sample ID: BH24-33 0'

Lab Sample ID: 885-13299-23 Date Collected: 10/04/24 11:20

Matrix: Solid

Date Received: 10/08/24 07:55

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 15:20

Client Sample ID: BH24-33 2' Lab Sample ID: 885-13299-24

Matrix: Solid

Date Collected: 10/04/24 11:25 Date Received: 10/08/24 07:55

Batch Batch Dilution Batch Prepared Method **Prep Type** Type Number Analyst or Analyzed Run **Factor** Lab 10/09/24 09:45 Total/NA Prep 5030C 13947 AT **EET ALB** Total/NA Analysis 8015M/D 10/10/24 17:54 14112 AT **EET ALB** 1 Total/NA Prep 5030C 13947 AT **EET ALB** 10/09/24 09:45 Total/NA 8021B Analysis 14113 AT **EET ALB** 10/10/24 17:54 1 Total/NA Prep SHAKE 13990 KR **EET ALB** 10/09/24 14:31 Total/NA 8015M/D 13961 KR **EET ALB** 10/09/24 22:10 Analysis

Client Sample ID: BH24-33 4.1' Lab Sample ID: 885-13299-25

1

20

Date Collected: 10/04/24 11:30 Matrix: Solid

14063 EH

14104 MA

EET ALB

EET ALB

10/10/24 11:20

10/10/24 15:32

Date Received: 10/08/24 07:55

Prep

Analysis

300 Prep

300.0

Total/NA

Total/NA

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8015M/D		1	14112	AT	EET ALB	10/10/24 18:16
Total/NA	Prep	5030C			13947	AT	EET ALB	10/09/24 09:45
Total/NA	Analysis	8021B		1	14113	AT	EET ALB	10/10/24 18:16
Total/NA	Prep	SHAKE			13990	KR	EET ALB	10/09/24 14:31
Total/NA	Analysis	8015M/D		1	13961	KR	EET ALB	10/09/24 22:21
Total/NA	Prep	300_Prep			14063	EH	EET ALB	10/10/24 11:20
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 16:09

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex Job ID: 885-13299-1

Project/Site: Hackberry 18 Federal 2 Battery

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	02-26-25
,	s are included in this repo does not offer certification	•	not certified by the governing authori	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organics	s (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [0	C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organic	s [C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
Oregon	NELA	D	NM100001	02-26-25

Eurofins Albuquerque

9

5

7

_

4.0

Client:	hain _:	of-Cu	stody Record	Turn-Around ☐ Standard		ı_72-hr rush										NM BOF		TA	L
	(direct b	ill to Devo	on, work order 21185142)	Project Name	e:	1					www.						Į,	<u>ا</u> ا	
	Address		511, WOLK OLGOL ET 100 1 12)	Hackberry 1	8 Federal 2 B	atterv		491	01 H							IM 871		77	
				Project #:	o i caciai z D	accory					5-39					-4107		3299 CO	C
Phone #	# :			23E-03903			B		EIF	TE	TE		-	s Red	200				
email or	Fax#:			Project Mana	iger:		=	6					000		E E				
QA/QC F	Package:			Chad Hensle	у		(8021)	/MRO)	PCB's		MS				pse				
□ Stan	dard		☐ Level 4 (Full Validation)	CHensley@v	ertexresource	.com	S	DRO/	PC		8270SIMS	2			nt/A			ш	
Accredit		□ Az Co	mpliance	Sampler:	L. Pullman		TMB'	디디	3082	=			25,		Coliform (Present/Absent)				
□ NEL/		□ Other		On Ice:		□ No	1	RO	8/sə	205) or			Q A	P.				
□ EDD	(Type)			# of Coolers:		1+0.3=4.2°C	MTBE	9)0	ticid	hod	831(Meta	(S)	<u>}</u>	form				
				Cooler Tellip		(70,7) - 7.46	_	3015	Pes	Met	by	8 6	<u> </u>	(Ser	Coli				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	втех	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	8260 (VOA)	8270 (Semi-VOA)	Total				
0.04.24	9:15	Soil	BH23-18 3'	1, 4oz jar		J	Х	х											
10.04.24	9:20	Soil	BH24-18 4.1'	1, 4oz jar		3	х	х				,							
10.04.24	9:25	Soil	BH23-19 3'	1, 4oz jar		3	х	х				,							
10.04.24	9:30	Soil	BH24-19 4.1'	1, 4oz jar		ч	Х	Х				;	(
10.04.24	9:40	Soil	BH24-27 0'	1, 4oz jar		5	Х	х)	(
10.04.24	9:45	Soil	BH24-27 2'	1, 4oz jar		6	Х	х)	(
10.04.24	9:50	Soil	BH24-27 4.1'	1, 4oz jar		7	Х	х				2	(
0.04.24	10:00	Soil	BH24-28 0'	1, 4oz jar		\$	Х	х)	(
0.04.24	10:05	Soil	BH24-28 2'	1, 4oz jar		q	Х	х)	(
10.04.24	10:10	Soil	BH24-28 4.1'	1, 4oz jar		16	х	Х				2							
10.04.24	10:15	Soil	BH24-29 0'	1, 4oz jar		Ji.	Х	Х				2							
10.04.24	10:20	Soil	BH24-29 2'	1, 4oz jar		12	Х	Х											
7-7-2024	Time: 07:00	Relinquish	dolly	Received by:	Via:	10 1/24 0700	Dire	CHen	ll to [@ver	terre	SOUT	e co	m ne	rmai	ale Woo	exres	ource.	com
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time	LPu	Ilmai	n@ve Repo	ertex	resou	rce.c	om, a	and R	Plog	ger@v	ertexre	sourc	e.co

10

Page 299 of 508

C	hain	of-Cu	stody Record	Turn-Around	Time:										TD						Kec
Client:		Vertex		│ │ □ Standard	X Rush	_72-hr rush			\exists										TO		Received by OCD:
	(direct h	aill to Devi	on, work order 21185142)	Project Nam	e:						www										by
Mailing	Address		on, work order 21100142)	l la alch ann . 4	O Fodovol O D	-44		40	24 11									100	ш	1	20
				Project #:	8 Federal 2 B	attery	-										M 87			1	D: 3
DI				1				1 €	el. 50	15-34	5-39					345- uest	4107				29
Phone :				Project Mana			-					-		515 1	vequ					7	2025
	Package:			Chad Hensle	Ü)21)	1RO	s		S		SO ₄			sent			Ш		
□ Stan	•		☐ Level 4 (Full Validation)		y vertexresource	com)8)	N/0	PCB's		SIM		PO ₄ ,			WAb			Ш		12:3
Accredi		Π Δz Co	empliance	Sampler:	L. Pullman	COIII	TMB's (8021)	DRC	82 F		8270SIMS		NO ₂ ,	İ		(Present/Absent)					I:12:38 PM
□ NEL		□ Other	•	On Ice:	X Yes	□ No		/0	9/80	40		- 1			<u>8</u>	Pre					
□ EDD				# of Coolers:		YOGI	MTBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	S S		8270 (Semi-VOA)	Ē					
				Cooler Temp	(including CF): 3.	9+0.3=4.2°C	Σ	15D	estic	leth	× 83	₩ Z	ص قر	Q/	emi	Coliform					
				Container	Preservative	HEAL No.	X	1:80	1 P.	3	4s b	X		8260 (VOA)	S) 0	<u>e</u>					
Date	Time	Matrix	Sample Name	Type and #	Туре	TIERE NO.	втех	TP	808	EDE	PA	S (826	827	Total					
10.04.24	10:25	Soil	BH24-29 4.1'	1, 4oz jar		13	х	Х					х								
10.04.24	10:30	Soil	BH24-30 0'	1, 4oz jar		14	х	Х					х								
10.04.24	10:35	Soil	BH24-30 2'	1, 4oz jar		15	Х	х					х				_				
10.04.24	10:40	Soil	BH24-30 4.1'	1, 4oz jar		16	Х	Х					х								
10.04.24	10:50	Soil	BH24-31 0'	1, 4oz jar		17	X	х					x								
10.04.24	10:55	Soil	BH24-31 2'	1, 4oz jar		14	Х	х					х								
10.04.24		Soil	BH24-31 4.1'	1, 4oz jar		19	х	Х					х								
10.04.24	11:05	Soil	BH24-32 0'	1, 4oz jar		90	Х	х					х								
10.04.24	11:10	Soil	BH24-32 2'	1, 4oz jar		21	Х	х					х								
10.04.24	11:15	Soil	BH24-32 4.1'	1, 4oz jar		22	х	х					х								
10.04.24	11:20	Soil	BH24-33 0'	1, 4oz jar		23	Х	Х					х								
10.04.24	11:25	Soil	BH24-33 2'	1, 4oz jar		24	Х	х					x								
Date:	Time:	Relinquish Baku Tul	ed by:	Received by:	Via:	Date Time		arks						0440							
.,	07:00			acum	(ma)	10/7/24 6700	CC.	CHen	slev	@vei	texre	sou	ce.c	com.	peri	main	@ve	oodal rtexr	esour	ce.cor	n,
Date:	Time:	Relinquish	ed by:	Received by:	Viā:	Date Time	LPu	Ilmaı	n@ve	ertex	resou	ırce.	com	, and	l RP	logg	jer@	verte	xresou	ırce.c	om 🔀
10/1/24	1900	acu	ung	15CM	COURIER	10/8/24 0755	for F	inal	Repo	ort											ige 3

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.

Client:		Vertex	istody Record	□ Standard		n_72-hr rush										IME OR/			1
	(direct b	ill to Dev	on, work order 21185142)	Project Nam	e:			4			www	.halle	nviroi	nmen	tal.con	n	ш		
Mailing	Address			Hackberry 1	8 Federal 2 B	latton		1	001 L							87109			
				Project #:	o rederal Z L	attery											ш	-	
Phone 7				23E-03903					el. 50	J5-34	+5-39		F-10-10		-345-4 uest	107			
	r Fax#:				2001				T					IXCO					T
			W. S. S.	Project Mana				MB's (8021) DRO / MRO	S		S	8			sent			-	
	Package:			Chad Hensle	•		9	<u></u> 8	PCB's		Ĭ.	8	2		Aps				
Stan			☐ Level 4 (Full Validation)		<u>rertexresource</u>	e.com	=	B's RO	2 P		8270SIMS	1 '	5, -		ent				
Accredi			mpliance	Sampler:	L. Pullman			≥ □	808	504.1)			2,		res				
NEL		□ Other		On Ice:	Y Yes	□ No	V/V/	7 5	/sə	20	0 or		8	Q	<u>-</u>				
] EDD	(Type)_			# of Coolers:		SCM 10/8/24.2	100-1	<u> </u>	ţici	hod	831	Met	2 a	-i-	l ou				
				300101 10111		0.3		BIEX/ MIBE/ IMB'S (8021) TPH:8015D(GRO/DRO/MRO)	8081 Pesticides/8082	EDB (Method	PAHs by 8310	RCRA 8 Metals	8260 (VOA)	(Semi-VOA)	Coliform (Present/Absent)				
			Camanda Niama	Container	Preservative	HEAL No		Ĭ 1	811) <u>B</u>	Hs.	RCRA T		8270 (Total (
Date	Time	Matrix	Sample Name	Type and #	Туре			<u> </u>	8	Ш	P	<u></u>	§ 8	82	유				\perp
0.04.24	11:30	Soil	BH24-33 4.1'	1, 4oz jar		25		x x											
				•		8													T
									+		\dashv	+	+	+				_	+
								-	+		_	_	+	+				_	+
																			\perp
																			T
												\neg							+
								_	+		_	+	+-	+		-			+
									-			-	+	+					+
								_	-			\perp		-					\perp
																			T
ate:	Time:	Relinquish	eq by:	Received by:	Via:	Date Tim	e R	emark	s:	LI					LL_				
7-2024	92.20	Jakmin Jakmin	lan/	School		10/7/24 00	IND I									Wooda		1	
ate;	Time:	Relinquish	ed by:	Received by:	Via:	Date Tim										vertex r@verte			
1/2/21	1000	4.4	_	5011	MINIT	77 121 121		r Fina			.0300		Jili, a	.iu i\l	-ogge	W VEI LE	, A1 690	ui ce.(JUI
1'104	1400	LUM	Mund	XNI	(UUKIE	W 10/8/24	0/55												









Login Sample Receipt Checklist

Client: Vertex Job Number: 885-13299-1

Login Number: 13299 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

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	

2

5

7

9

10

1'

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 2:53:44 PM

JOB DESCRIPTION

Hackberry 18 Federal #002 Battery

JOB NUMBER

885-21910-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 4/1/2025 2:53:44 PM

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

4/1/2025

_

3

4

5

<u>و</u>

9

10

Client: Vertex Project/Site: Hackberry 18 Federal #002 Battery Laboratory Job ID: 885-21910-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	9
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Chain of Custody	16
Receipt Checklists	17

Definitions/Glossary

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

Qualifiers

00		$\overline{}$	
GC	v	u	А

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

F2 MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)

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

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

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Vertex Job ID: 885-21910-1

Project: Hackberry 18 Federal #002 Battery

Eurofins Albuquerque Job ID: 885-21910-1

Job Narrative 885-21910-1

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 3/22/2025 8:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°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

Method 8021B: The matrix spike duplicate (MSD) recovery and precision for preparation batch 885-22951 and analytical batch 885-23147 were outside control limits. A mis-spike by half of the intended spike by the analyst is suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

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 885-22915 recovered above the upper control limit for 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 samples are impacted: BH25-34 0' (885-21910-1) and BH25-34 2' (885-21910-2).

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

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

Client Sample Results

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH25-34 0'

Date Collected: 03/20/25 10:40 Date Received: 03/22/25 08:06

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-21910-1

Analyzed

03/26/25 21:53

Prepared

03/24/25 11:37

Matrix: Solid

		janics (GRO	i) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/24/25 11:37	03/26/25 21:53	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			03/24/25 11:37	03/26/25 21:53	1
– Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC)						
	•	• • •						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Benzene	Result ND	Qualifier		Unit mg/Kg	<u>D</u>	Prepared 03/24/25 11:37	Analyzed 03/26/25 21:53	Dil Fac
		Qualifier	RL		<u>D</u>			Dil Fac
Benzene	ND	Qualifier	RL 0.025	mg/Kg	<u>D</u>	03/24/25 11:37	03/26/25 21:53	Dil Fac 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/24/25 13:15	03/24/25 17:29	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/24/25 13:15	03/24/25 17:29	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			03/24/25 13:15	03/24/25 17:29	

Limits

48 - 145

%Recovery Qualifier

113

method. El A 000.0 - Allions, i	on omomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100	61	mg/Kg		03/24/25 12:31	03/24/25 19:32	20

Eurofins Albuquerque

4

0

10

11

Dil Fac

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH25-34 2'

Date Collected: 03/20/25 10:45 Date Received: 03/22/25 08:06 Lab Sample ID: 885-21910-2

Matrix: Solid

Method: SW846 8015M/D - Gas								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		03/24/25 11:37	03/26/25 23:05	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			03/24/25 11:37	03/26/25 23:05	1
Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)	1					
Modifica. Citto-to coz ib	no Organio Comp	ounus (GO)	,					

Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1 F2	0.025	mg/Kg		03/24/25 11:37	03/26/25 23:05	1
Ethylbenzene	ND	F1 F2	0.050	mg/Kg		03/24/25 11:37	03/26/25 23:05	1
Toluene	ND	F1 F2	0.050	mg/Kg		03/24/25 11:37	03/26/25 23:05	1
Xylenes, Total	ND	F1 F2	0.10	mg/Kg		03/24/25 11:37	03/26/25 23:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			03/24/25 11:37	03/26/25 23:05	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/24/25 13:15	03/24/25 17:40	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/24/25 13:15	03/24/25 17:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			03/24/25 13:15	03/24/25 17:40	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61	61	mg/Kg		03/24/25 12:31	03/24/25 19:42	20

Eurofins Albuquerque

6

4

6

8

9

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BH25-34 4'

Date Collected: 03/20/25 10:50 Date Received: 03/22/25 08:06

Xylenes, Total

Lab Sample ID: 885-21910-3

03/27/25 00:17

03/24/25 11:37

Matrix: Solid

_	_	_	

Method: SW846 8015M/D - Gas	oline Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		03/24/25 11:37	03/27/25 00:17	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			03/24/25 11:37	03/27/25 00:17	1
- Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/24/25 11:37	03/27/25 00:17	1
Ethylbenzene	ND		0.049	mg/Kg		03/24/25 11:37	03/27/25 00:17	1
Toluene	ND		0.049	mg/Kg		03/24/25 11:37	03/27/25 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145	03/24/25 11:37	03/27/25 00:17	1

0.098

mg/Kg

ND

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/24/25 13:15	03/25/25 22:10	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/24/25 13:15	03/25/25 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	131		62 - 134			03/24/25 13:15	03/25/25 22:10	1

Wethou: EPA 300.0 - Amons, fon C	inomatograpny						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86	60	mg/Kg		03/24/25 12:31	03/24/25 19:52	20

Prep Batch: 22951

Prep Type: Total/NA

Client Sample ID: BH25-34 0'

Prep Type: Total/NA

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Client Sample ID: Method Blank Lab Sample ID: MB 885-22951/1-A Prep Type: Total/NA

Matrix: Solid Analysis Batch: 23146

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 mg/Kg 03/24/25 11:37 03/26/25 21:29

(GRO)-C6-C10

MB MB %Recovery Limits Qualifier Prepared Dil Fac Surrogate Analyzed 35 - 166 03/24/25 11:37 03/26/25 21:29 4-Bromofluorobenzene (Surr) 105

Lab Sample ID: LCS 885-22951/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 23146 Prep Batch: 22951 LCS LCS Spike

Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 23.0 mg/Kg 92 70 - 130

(GRO)-C6-C10

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 191 35 - 166

LCS LCS

Lab Sample ID: 885-21910-1 MS

Matrix: Solid

Analysis Batch: 23146

Prep Batch: 22951 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits ND 25.0 22.6 91 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 195 35 - 166

Lab Sample ID: 885-21910-1 MSD Client Sample ID: BH25-34 0'

Matrix: Solid

Analysis Batch: 23146

Prep Batch: 22951 Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Gasoline Range Organics ND 24.8 22.6 mg/Kg 91 70 - 130

(GRO)-C6-C10

MSD MSD

MB MB

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 195 35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID: MB 885-22951/1-A Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 23147** Prep Batch: 22951

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.025 03/24/25 11:37 03/26/25 21:29 Benzene ND mg/Kg Ethylbenzene ND 0.050 mg/Kg 03/24/25 11:37 03/26/25 21:29 Toluene ND 0.050 03/24/25 11:37 03/26/25 21:29 mg/Kg

Eurofins Albuquerque

Limit

Prep Type: Total/NA

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-22951/1-A **Matrix: Solid**

Analysis Batch: 23147

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 22951

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		03/24/25 11:37	03/26/25 21:29	1

MR MR

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 109 48 - 145 03/24/25 11:37 03/26/25 21:29

Lab Sample ID: LCS 885-22951/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 23147

Prep Type: Total/NA

Prep Batch: 22951

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	1.01		mg/Kg		101	70 - 130	
Ethylbenzene	1.00	0.964		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	2.00	2.11		mg/Kg		105	70 - 130	
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130	
Toluene	1.00	1.00		mg/Kg		100	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	95	48 - 145

Lab Sample ID: 885-21910-2 MS Client Sample ID: BH25-34 2'

Matrix: Solid

Analysis Batch: 23147

Prep Type: Total/NA Prep Batch: 22951

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND	F1 F2	0.994	1.01		mg/Kg		102	70 - 130	
Ethylbenzene	ND	F1 F2	0.994	1.02		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	ND	F1 F2	1.99	2.12		mg/Kg		107	70 - 130	
o-Xylene	ND	F1 F2	0.994	0.953		mg/Kg		96	70 - 130	
Toluene	ND	F1 F2	0.994	0.966		mg/Kg		97	70 - 130	
	МС	MC								

Surrogate %Recovery Qualifier Limits 48 - 145 4-Bromofluorobenzene (Surr) 113

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

Lab Sample ID: MB 885-22961/1-A

Matrix: Solid

Analysis Batch: 22915

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 22961

	мв мв						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	10	mg/Kg		03/24/25 13:15	03/24/25 14:47	1
Motor Oil Range Organics [C28-C40]	ND	50	mg/Kg		03/24/25 13:15	03/24/25 14:47	1

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 62 - 134 03/24/25 13:15 03/24/25 14:47 Di-n-octyl phthalate (Surr) 100

Lab Sample ID: LCS 885-22961/2-A

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22961

Spike LCS LCS Added Result Qualifier Unit %Rec Limits 50.0 54.8 mg/Kg 110 60 - 135

[C10-C28]

Analyte

Matrix: Solid

Analysis Batch: 22915

Diesel Range Organics

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

Lab Sample ID: 885-21910-3 MS Client Sample ID: BH25-34 4'

Matrix: Solid

Analysis Batch: 22986

Prep Type: Total/NA Prep Batch: 22961

Sample Sample Spike MS MS Result Qualifier %Rec Analyte babbA Result Qualifier Limits Unit D Diesel Range Organics ND 46.3 52.2 mg/Kg 113 44 - 136

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 133 62 - 134

Lab Sample ID: 885-21910-3 MSD Client Sample ID: BH25-34 4' Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 22986

Prep Batch: 22961 MSD MSD Sample Sample Spike %Rec RPD Limit Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Diesel Range Organics ND 46.9 49.4 105 44 - 136 6 32 mg/Kg

[C10-C28]

MSD MSD Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 112 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-22954/1-A Client Sample ID: Method Blank

Matrix: Solid

Released to Imaging: 11/13/2025 8:39:02 AM

Prep Type: Total/NA **Analysis Batch: 22943** Prep Batch: 22954 мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 1.5 mg/Kg 03/24/25 12:31 03/24/25 15:56

Lab Sample ID: LCS 885-22954/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 22943

LCS LCS Spike %Rec

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

Eurofins Albuquerque

Prep Type: Total/NA

Prep Batch: 22954

QC Association Summary

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA

Prep Batch: 22951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-21910-1	BH25-34 0'	Total/NA	Solid	5030C	
885-21910-2	BH25-34 2'	Total/NA	Solid	5030C	
885-21910-3	BH25-34 4'	Total/NA	Solid	5030C	
MB 885-22951/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-22951/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-22951/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-21910-1 MS	BH25-34 0'	Total/NA	Solid	5030C	
885-21910-1 MSD	BH25-34 0'	Total/NA	Solid	5030C	
885-21910-2 MS	BH25-34 2'	Total/NA	Solid	5030C	

Analysis Batch: 23146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-1	BH25-34 0'	Total/NA	Solid	8015M/D	22951
885-21910-2	BH25-34 2'	Total/NA	Solid	8015M/D	22951
885-21910-3	BH25-34 4'	Total/NA	Solid	8015M/D	22951
MB 885-22951/1-A	Method Blank	Total/NA	Solid	8015M/D	22951
LCS 885-22951/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22951
885-21910-1 MS	BH25-34 0'	Total/NA	Solid	8015M/D	22951
885-21910-1 MSD	BH25-34 0'	Total/NA	Solid	8015M/D	22951

Analysis Batch: 23147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-1	BH25-34 0'	Total/NA	Solid	8021B	22951
885-21910-2	BH25-34 2'	Total/NA	Solid	8021B	22951
885-21910-3	BH25-34 4'	Total/NA	Solid	8021B	22951
MB 885-22951/1-A	Method Blank	Total/NA	Solid	8021B	22951
LCS 885-22951/3-A	Lab Control Sample	Total/NA	Solid	8021B	22951
885-21910-2 MS	BH25-34 2'	Total/NA	Solid	8021B	22951

GC Semi VOA

Analysis Batch: 22915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-1	BH25-34 0'	Total/NA	Solid	8015M/D	22961
885-21910-2	BH25-34 2'	Total/NA	Solid	8015M/D	22961
MB 885-22961/1-A	Method Blank	Total/NA	Solid	8015M/D	22961
LCS 885-22961/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22961

Prep Batch: 22961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-1	BH25-34 0'	Total/NA	Solid	SHAKE	
885-21910-2	BH25-34 2'	Total/NA	Solid	SHAKE	
885-21910-3	BH25-34 4'	Total/NA	Solid	SHAKE	
MB 885-22961/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-22961/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-21910-3 MS	BH25-34 4'	Total/NA	Solid	SHAKE	
885-21910-3 MSD	BH25-34 4'	Total/NA	Solid	SHAKE	

Analysis Batch: 22986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-3	BH25-34 4'	Total/NA	Solid	8015M/D	22961

Eurofins Albuquerque

4/1/2025

QC Association Summary

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

GC Semi VOA (Continued)

Analysis Batch: 22986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-3 MS	BH25-34 4'	Total/NA	Solid	8015M/D	22961
885-21910-3 MSD	BH25-34 4'	Total/NA	Solid	8015M/D	22961

HPLC/IC

Analysis Batch: 22943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-1	BH25-34 0'	Total/NA	Solid	300.0	22954
885-21910-2	BH25-34 2'	Total/NA	Solid	300.0	22954
885-21910-3	BH25-34 4'	Total/NA	Solid	300.0	22954
MB 885-22954/1-A	Method Blank	Total/NA	Solid	300.0	22954
LCS 885-22954/2-A	Lab Control Sample	Total/NA	Solid	300.0	22954

Prep Batch: 22954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21910-1	BH25-34 0'	Total/NA	Solid	300_Prep	
885-21910-2	BH25-34 2'	Total/NA	Solid	300_Prep	
885-21910-3	BH25-34 4'	Total/NA	Solid	300_Prep	
MB 885-22954/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-22954/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Client Sample ID: BH25-34 0'

Client: Vertex

Date Collected: 03/20/25 10:40

Lab Sample ID: 885-21910-1

Matrix: Solid

Date Received: 03/22/25 08:06

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			22951	AT	EET ALB	03/24/25 11:37
Total/NA	Analysis	8015M/D		1	23146	JP	EET ALB	03/26/25 21:53
Total/NA	Prep	5030C			22951	AT	EET ALB	03/24/25 11:37
Total/NA	Analysis	8021B		1	23147	JP	EET ALB	03/26/25 21:53
Total/NA	Prep	SHAKE			22961	MI	EET ALB	03/24/25 13:15
Total/NA	Analysis	8015M/D		1	22915	MI	EET ALB	03/24/25 17:29
Total/NA	Prep	300_Prep			22954	DL	EET ALB	03/24/25 12:31
Total/NA	Analysis	300.0		20	22943	DL	EET ALB	03/24/25 19:32

Client Sample ID: BH25-34 2'

Date Collected: 03/20/25 10:45

Lab Sample ID: 885-21910-2

Matrix: Solid

Date Received: 03/22/25 08:06

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			22951	AT	EET ALB	03/24/25 11:37
Total/NA	Analysis	8015M/D		1	23146	JP	EET ALB	03/26/25 23:05
Total/NA	Prep	5030C			22951	AT	EET ALB	03/24/25 11:37
Total/NA	Analysis	8021B		1	23147	JP	EET ALB	03/26/25 23:05
Total/NA	Prep	SHAKE			22961	MI	EET ALB	03/24/25 13:15
Total/NA	Analysis	8015M/D		1	22915	MI	EET ALB	03/24/25 17:40
Total/NA	Prep	300_Prep			22954	DL	EET ALB	03/24/25 12:31
Total/NA	Analysis	300.0		20	22943	DL	EET ALB	03/24/25 19:42

Client Sample ID: BH25-34 4'

Date Collected: 03/20/25 10:50

Date Received: 03/22/25 08:06

Lab Sample ID: 885-21910-3

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			22951	AT	EET ALB	03/24/25 11:37
Total/NA	Analysis	8015M/D		1	23146	JP	EET ALB	03/27/25 00:17
Total/NA	Prep	5030C			22951	AT	EET ALB	03/24/25 11:37
Total/NA	Analysis	8021B		1	23147	JP	EET ALB	03/27/25 00:17
Total/NA	Prep	SHAKE			22961	MI	EET ALB	03/24/25 13:15
Total/NA	Analysis	8015M/D		1	22986	EM	EET ALB	03/25/25 22:10
Total/NA	Prep	300_Prep			22954	DL	EET ALB	03/24/25 12:31
Total/NA	Analysis	300.0		20	22943	DL	EET ALB	03/24/25 19:52

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex Job ID: 885-21910-1

Project/Site: Hackberry 18 Federal #002 Battery

Laboratory: Eurofins Albuquerque

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

Authority		am	Identification Number	Expiration Date		
w Mexico	State		NM9425, NM0901	02-27-26		
,	. ,	t the laboratory is not certif	ed by the governing authority. This lis	st may include analytes		
for which the agency do Analysis Method	pes not offer certification. Prep Method	Matrix	Analyte			
300.0	300_Prep	Solid	Chloride			
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10			
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]			
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]			
8021B	5030C	Solid	Benzene			
8021B	5030C	Solid	Ethylbenzene			
8021B	5030C	Solid	Toluene			
8021B	5030C	Solid	Xylenes, Total			
egon	NELAF	NM100001	02-26-26			

Eurofins Albuquerque

2

5

7

9

Chain-of-Custody Record Client: Vertex			Turn-Around Time: X Standard X PWN 5 Day														Weceshen					
(direct bill to Devon, work order 21185142) Mailing Address:		Project Name: Hackberry 18 Federal #002 Battery				www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 8710									0							
				Project #:					Te	el. 50	5-34	15-39			_		_	4107	885	-21910	COC	7/4
Phone #:		23E-03903				Analysis Request										_						
email o	r Fax#:			Project Mana	ager:			21)	/ MRO)					SO4			Coliform (Present/Absent)					
QA/QC Package:		Kent Stallings				s (8021)	N.	PCB's		MS		PO ₄ ,			Abs							
☐ Standard ☐ Level 4 (Full Validation)		kstallings@vertexresource.com				B's	DRO,	2 P(Z02				1	ent/	1				30		
Accreditation: Az Compliance		Sampler: L. Pullman				TMB	ı ~ ı	808	4.1)	. 82	1	NO ₂ ,			res					7		
□ NELAC □ Other		On Ice: Ves No				E	잃	les/	150	0 0	<u>s</u>	1 1	(A)	Q	P)	<u>:</u>						
□ EDD (Type)		# of Coolers: 4891 Cooler Temp(including CF): 3.7+0.1 = 3.3 °C			MTBE) Q	ticic	lg Lg	831	Met	ž	(Semi-VOA)		iforr								
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL I		BTEX / N	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS		CV, F, Br,	8260 (VOA)	8270 (Se	Total Col					
03.20.25		Soil	BH25-34 0'	1, 4oz jar				х	Х					Х								
03.20.25		Soil	BH25-34 2'	1, 4oz jar				х	х					Х								
03.20.25		Soil	BH25-34 4'	1, 4oz jar				х	х					х					-		_	\sqcup
														+					+		+	H
																			1			\Box
																		-	+			Н
																			_	-		Ц
													\dashv		\dashv					-		H
Date:	Time: 07:00 Time:	Relinquish Relinquish	Pullen	Received by: Received by:	Via:	3/2/25	Time 700 Time	Remarks: ATTN Jim Raley Direct bill to Devon work order 21185142 Jim Raley cc. permain@vertexresource.com, SCarttar@vertexresource.com, kstallings@vertexresource.com, and LPullman@vertexresource.com														
M 35	1910	aan	MMMS	contracted to other a	courses	122/25	3:06	for F	Final	Rep	ort										urce.(JOITI









Login Sample Receipt Checklist

Client: Vertex Job Number: 885-21910-1

Login Number: 21910 List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	No sample date and/or time on COC, logged in per container labels.
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	

2

3

4

၁ —

Q

9

10

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley Vertex 3101 Boyd Dr Carlsbad, New Mexico 88220

Generated 9/19/2025 2:00:25 PM Revision 1

JOB DESCRIPTION

Hackberry 18 Federal 2

JOB NUMBER

885-9078-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 9/19/2025 2:00:25 PM Revision 1

Authorized for release by Cheyenne Cason, Project Manager cheyenne.cason@et.eurofinsus.com Designee for Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com (505)345-3975 2

3

4

6

۶ R

9

10

Client: Vertex Laboratory Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	23
QC Association Summary	27
Lab Chronicle	31
Certification Summary	37
Chain of Custody	38
Receipt Checklists	40

2

3

4

6

8

Definitions/Glossary

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Qualifiers

GC VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier **Qualifier Description**

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid **CFU** Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) DER

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) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) MI MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive 0C**Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Vertex Job ID: 885-9078-1

Project: Hackberry 18 Federal 2

Job ID: 885-9078-1 **Eurofins Albuquerque**

> Job Narrative 885-9078-1

REVISION

The report being provided is a revision of the original report sent on 8/12/2024. The report (revision 1) is being revised due to sample WS24-13, from WS24-13 1' to WS24-13 0.5'..

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

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

Receipt

The samples were received on 8/2/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 5.0°C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): BS24-01 @ 2' (885-9078-1), BS24-02 @ 2' (885-9078-2), BS24-03 @ 2' (885-9078-3), BS24-04 @ 2' (885-9078-4), BS24-05 @ 2' (885-9078-5), BS24-06 @ 2' (885-9078-6), BS24-07 @ 1' (885-9078-7), BS24-08 @ 1' (885-9078-8), BS24-09 @ .5' (885-9078-9), BS24-10 @ .5' (885-9078-10), BS24-11 @ .5' (885-9078-11), BS24-12 @ .5' (885-9078-12), BS24-13 @ 0.5' (885-9078-13), WS-01 @ 0-2' (885-9078-14), WS-02 @ 0-2' (885-9078-15), WS-03 @ 0-.5' (885-9078-16) and WS-04 @ 0-1' (885-9078-17). The container labels list a depth of .5' while the COC lists a depth of 1'.The client was contacted, and the lab was instructed to go with COC depth of 1'.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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.

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-01 @ 2' Lab Sample ID: 885-9078-1

Date Collected: 07/23/24 10:03 **Matrix: Solid**

Date Received: 08/02/24 07:30

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/02/24 09:38	08/04/24 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			08/02/24 09:38	08/04/24 23:04	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		08/02/24 09:38	08/06/24 05:03	1
Ethylbenzene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 05:03	1
Toluene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 05:03	1
Xylenes, Total	ND		0.095	mg/Kg		08/02/24 09:38	08/06/24 05:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			08/02/24 09:38	08/06/24 05:03	1
Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19		8.9	mg/Kg		08/05/24 08:32	08/05/24 11:14	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		08/05/24 08:32	08/05/24 11:14	1
						Prepared	Analyzed	Dil Fac
0 0 1 7	%Recovery	Qualifier	Limits			riepaieu	Allalyzeu	DII Fac
Surrogate Di-n-octyl phthalate (Surr)	%Recovery	Qualifier	Limits 62 - 134			08/05/24 08:32	08/05/24 11:14	DII Fac
Surrogate	92	<u> </u>						DII Fac

60

mg/Kg

170

08/05/24 09:25 08/05/24 13:01

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-02 @ 2'

Released to Imaging: 11/13/2025 8:39:02 AM

Date Collected: 07/23/24 10:14

Date Received: 08/02/24 07:30

Surrogate

Lab Sample ID: 885-9078-2

Analyzed

Prepared

Matrix: Solid

			s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/02/24 09:38	08/04/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			08/02/24 09:38	08/04/24 23:27	1
_								
	_	•						
Method: SW846 8021B - Vo Analyte	_	Compound Qualifier	ds (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	_	•		Unit mg/Kg	<u>D</u>	Prepared 08/02/24 09:38	Analyzed 08/06/24 05:27	Dil Fac
Analyte	Result	•	RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND	•	RL 0.024	mg/Kg	<u>D</u>	08/02/24 09:38	08/06/24 05:27 08/06/24 05:27	Dil Fac 1 1 1

4-Bromofluorobenzene (Surr)	86		48 - 145			08/02/24 09:38	08/06/24 05:27	1
	sel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/05/24 08:32	08/05/24 11:27	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/05/24 08:32	08/05/24 11:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			08/05/24 08:32	08/05/24 11:27	1

Limits

%Recovery Qualifier

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140	60	mg/Kg	_	08/05/24 09:25	08/05/24 13:39	20

Eurofins Albuquerque

3

4

6

9

TU

Dil Fac

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-03 @ 2'

Lah Sample ID: 885-9078-3 Date Collected: 07/23/24 10:20

Date Received: 08/02/24 07:30

Lab	Sample	ID.	000-9070-3
			Matrix: Solid

Method: SW846 8015M/D - Analyte Gasoline Range Organics (GRO)-C6-C10		ge Organic Qualifier	es (GRO) (GC) RL 4.7	Unit mg/Kg	_ <u>D</u>	Prepared 08/02/24 09:38	Analyzed 08/04/24 23:50	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			08/02/24 09:38	08/04/24 23:50	1
	olatile Organic	Compoun	ds (GC)					
Analyte	_	Qualifier	` RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result Qualifier	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.024	mg/Kg		08/02/24 09:38	08/06/24 05:50	1
Ethylbenzene	ND	0.047	mg/Kg		08/02/24 09:38	08/06/24 05:50	1
Toluene	ND	0.047	mg/Kg		08/02/24 09:38	08/06/24 05:50	1
Xylenes, Total	ND	0.094	mg/Kg		08/02/24 09:38	08/06/24 05:50	1
Surrogate	%Recovery Qualifier	r Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87	48 - 145			08/02/24 09:38	08/06/24 05:50	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/05/24 08:32	08/05/24 11:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/05/24 08:32	08/05/24 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			08/05/24 08:32	08/05/24 11:40	1

Method: EPA 300.0 - Anions, lo	n Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82	60	mg/Kg		08/05/24 09:25	08/05/24 13:52	20

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-04 @ 2'

Lab Sample ID: 885-9078-4

Date Collected: 07/23/24 10:29 Matrix: Solid Date Received: 08/02/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC) Unit D **Analyte** Result Qualifier RL Prepared Analyzed Dil Fac 4.8 08/02/24 09:38 08/05/24 00:14 Gasoline Range Organics ND mg/Kg (GRO)-C6-C10

Qualifier Dil Fac Surrogate Limits Prepared %Recovery Analyzed 08/02/24 09:38 08/05/24 00:14 4-Bromofluorobenzene (Surr) 35 - 166 93

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier Unit Prepared Analyzed Dil Fac Benzene ND 0.024 08/02/24 09:38 08/06/24 06:14 mg/Kg Ethylbenzene ND 0.048 mg/Kg 08/02/24 09:38 08/06/24 06:14 Toluene ND 0.048 mg/Kg 08/02/24 09:38 08/06/24 06:14 Xylenes, Total ND 0.096 mg/Kg 08/02/24 09:38 08/06/24 06:14

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 86 48 - 145 08/02/24 09:38 08/06/24 06:14

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

Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 9.5 08/05/24 08:32 08/05/24 11:53 mg/Kg 08/05/24 08:32 Motor Oil Range Organics [C28-C40] ND 47 mg/Kg 08/05/24 11:53

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Di-n-octyl phthalate (Surr) 84 62 - 134 08/05/24 08:32 08/05/24 11:53

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride 60 mg/Kg 08/05/24 09:25 08/06/24 23:46 20 67

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-05 @ 2'

Lab Sample ID: 885-9078-5

Date Collected: 07/23/24 10:38
Date Received: 08/02/24 07:30 **Matrix: Solid**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/02/24 09:38	08/05/24 00:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			08/02/24 09:38	08/05/24 00:37	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/02/24 09:38	08/06/24 06:37	1
Ethylbenzene	ND		0.048	mg/Kg		08/02/24 09:38	08/06/24 06:37	1
Toluene	ND		0.048	mg/Kg		08/02/24 09:38	08/06/24 06:37	1
Xylenes, Total	ND		0.097	mg/Kg		08/02/24 09:38	08/06/24 06:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			08/02/24 09:38	08/06/24 06:37	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/05/24 08:32	08/05/24 12:06	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/05/24 08:32	08/05/24 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			08/05/24 08:32	08/05/24 12:06	1
Method: EPA 300.0 - Anions, I	on Chromat	ography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		08/05/24 09:25	08/06/24 23:58	20

Project/Site: Hackberry 18 Federal 2

Released to Imaging: 11/13/2025 8:39:02 AM

Client Sample ID: BS24-06 @ 2' Lab Sample ID: 885-9078-6

Date Collected: 07/23/24 10:51 **Matrix: Solid**

Date Received: 08/02/24 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.6	mg/Kg		08/02/24 09:38	08/05/24 01:01	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			08/02/24 09:38	08/05/24 01:01	1
Method: SW846 8021B - Vo Analyte	•	Compound Qualifier	ds (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	•	RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND	•	RL 0.023	mg/Kg	<u>D</u>	08/02/24 09:38	08/06/24 07:01	Dil Fac
Analyte Benzene Ethylbenzene	Result ND ND	•	RL 0.023 0.046	mg/Kg mg/Kg	<u>D</u>	08/02/24 09:38 08/02/24 09:38	08/06/24 07:01 08/06/24 07:01	Dil Fac 1 1
Analyte Benzene	Result ND	•	RL 0.023	mg/Kg	<u>D</u>	08/02/24 09:38	08/06/24 07:01	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND	•	RL 0.023 0.046	mg/Kg mg/Kg	<u>D</u>	08/02/24 09:38 08/02/24 09:38	08/06/24 07:01 08/06/24 07:01	Dil Fac 1 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND ND	Qualifier	0.023 0.046 0.046	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/02/24 09:38 08/02/24 09:38 08/02/24 09:38	08/06/24 07:01 08/06/24 07:01 08/06/24 07:01	Dil Fac 1 1 1 1 Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/05/24 08:32	08/05/24 12:19	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/05/24 08:32	08/05/24 12:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			08/05/24 08:32	08/05/24 12:19	1

mothod: El A 000.0 - Alliono, lo		grupily						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		08/05/24 09:25	08/05/24 19:14	20

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Di-n-octyl phthalate (Surr)

Analyte

Chloride

Client Sample ID: BS24-07 @ 1'

Lab Sample ID: 885-9078-7

Date Collected: 07/23/24 11:02 Date Received: 08/02/24 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Matrix: Solid

08/05/24 08:32 08/05/24 12:32

08/05/24 09:25 08/05/24 19:27

Analyzed

Dil Fac

Prepared

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/02/24 09:38	08/05/24 01:24	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			08/02/24 09:38	08/05/24 01:24	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		08/02/24 09:38	08/06/24 07:24	1
Ethylbenzene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 07:24	1
Toluene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 07:24	1
Xylenes, Total	ND		0.094	mg/Kg		08/02/24 09:38	08/06/24 07:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			08/02/24 09:38	08/06/24 07:24	1
- Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/05/24 08:32	08/05/24 12:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/05/24 08:32	08/05/24 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analvzed	Dil Fac

62 - 134

RL

60

Unit

mg/Kg

83

ND

Result Qualifier

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-08 @ 1'

Lab Sample ID: 885-9078-8

Date Collected: 07/23/24 11:18 **Matrix: Solid** Date Received: 08/02/24 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/02/24 09:38	08/05/24 01:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			08/02/24 09:38	08/05/24 01:48	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		08/02/24 09:38	08/06/24 07:48	1
Ethylbenzene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 07:48	1
Toluene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 07:48	1
Xylenes, Total	ND		0.095	mg/Kg		08/02/24 09:38	08/06/24 07:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			08/02/24 09:38	08/06/24 07:48	1
- Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/05/24 08:32	08/05/24 12:45	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/05/24 08:32	08/05/24 12:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/05/24 08:32	08/05/24 12:45	1
Method: EPA 300.0 - Anions, I	on Chromat	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
•								

Project/Site: Hackberry 18 Federal 2

Released to Imaging: 11/13/2025 8:39:02 AM

Client Sample ID: BS24-09 @ .5'

Lab Sample ID: 885-9078-9

Date Collected: 07/23/24 11:29 **Matrix: Solid**

Method: SW846 8015M/D - Ga Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/02/24 09:38	08/05/24 02:11	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		35 - 166			08/02/24 09:38	08/05/24 02:11	
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.023	mg/Kg		08/02/24 09:38	08/06/24 08:11	
Ethylbenzene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 08:11	
Toluene	ND		0.047	mg/Kg		08/02/24 09:38	08/06/24 08:11	
Xylenes, Total	ND		0.094	mg/Kg		08/02/24 09:38	08/06/24 08:11	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		48 - 145			08/02/24 09:38	08/06/24 08:11	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
	ND		9.7	mg/Kg		08/05/24 08:32	08/05/24 12:58	-
Diesel Range Organics [C10-C28]	110						00/05/04 40:50	
	ND		49	mg/Kg		08/05/24 08:32	08/05/24 12:58	•
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate		Qualifier	49 Limits	mg/Kg		08/05/24 08:32 Prepared	Analyzed	Dil Fa
Motor Oil Range Organics [C28-C40]	ND	Qualifier		mg/Kg				Dil Fa
Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	ND **Recovery 84		Limits	mg/Kg		Prepared	Analyzed	Dil Fa
Motor Oil Range Organics [C28-C40] Surrogate	ND **Recovery 84 Ion Chromat		Limits	mg/Kg Unit	D	Prepared	Analyzed	Dil Fa

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-10 @ .5'

Lab Sample ID: 885-9078-10

Date Collected: 07/23/24 11:47 **Matrix: Solid** Date Received: 08/02/24 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/02/24 10:33	08/05/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/02/24 10:33	08/05/24 16:54	1
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/02/24 10:33	08/05/24 16:54	1
Ethylbenzene	ND		0.048	mg/Kg		08/02/24 10:33	08/05/24 16:54	1
Toluene	ND		0.048	mg/Kg		08/02/24 10:33	08/05/24 16:54	1
Xylenes, Total	ND		0.096	mg/Kg		08/02/24 10:33	08/05/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/02/24 10:33	08/05/24 16:54	1
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		08/05/24 08:32	08/05/24 13:24	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		08/05/24 08:32	08/05/24 13:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			08/05/24 08:32	08/05/24 13:24	1
Method: EPA 300.0 - Anions,	on Chromat	tography						
Amalusta	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaiiiioi					,u., _ u.	

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Released to Imaging: 11/13/2025 8:39:02 AM

Client Sample ID: BS24-11 @ .5'

Lab Sample ID: 885-9078-11

Date Collected: 07/23/24 11:59 Date Received: 08/02/24 07:30

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/02/24 10:33	08/05/24 17:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/02/24 10:33	08/05/24 17:18	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		08/02/24 10:33	08/05/24 17:18	1
Ethylbenzene	ND		0.047	mg/Kg		08/02/24 10:33	08/05/24 17:18	1
Toluene	ND		0.047	mg/Kg		08/02/24 10:33	08/05/24 17:18	1
Xylenes, Total	ND		0.094	mg/Kg		08/02/24 10:33	08/05/24 17:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/02/24 10:33	08/05/24 17:18	1
Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	18		8.8	mg/Kg		08/05/24 08:32	08/05/24 13:36	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		08/05/24 08:32	08/05/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			08/05/24 08:32	08/05/24 13:36	

Method: EPA 300.0 - Anions, Ion Chromatography									
	Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	250	60	mg/Kg		08/05/24 09:25	08/05/24 20:44	20	

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-12 @ .5' Lab Sample ID: 885-9078-12

Result Qualifier

ND

Date Collected: 07/23/24 12:09 **Matrix: Solid**

Date Received: 08/02/24 07:30

Analyte

Chloride

Released to Imaging: 11/13/2025 8:39:02 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	ND		5.0	mg/Kg		08/02/24 10:33	08/05/24 18:05	
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		35 - 166			08/02/24 10:33	08/05/24 18:05	
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.025	mg/Kg		08/02/24 10:33	08/05/24 18:05	
Ethylbenzene	ND		0.050	mg/Kg		08/02/24 10:33	08/05/24 18:05	
Toluene	ND		0.050	mg/Kg		08/02/24 10:33	08/05/24 18:05	
Xylenes, Total	ND		0.099	mg/Kg		08/02/24 10:33	08/05/24 18:05	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		48 - 145			08/02/24 10:33	08/05/24 18:05	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		08/05/24 08:32	08/05/24 14:02	-
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/05/24 08:32	08/05/24 14:02	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	87		62 - 134			08/05/24 08:32	08/05/24 14:02	

60

Unit

mg/Kg

Prepared

Analyzed

08/05/24 09:25 08/05/24 21:22

Dil Fac

Project/Site: Hackberry 18 Federal 2

Released to Imaging: 11/13/2025 8:39:02 AM

Client Sample ID: BS24-13 @ 0.5'

Lab Sample ID: 885-9078-13 Date Collected: 07/23/24 12:21 Matrix: Solid

Date Received: 08/02/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)										
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Gasoline Range Organics (GRO)-C6-C10	ND	5.0	mg/Kg		08/02/24 10:33	08/05/24 18:29	1			
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac			

08/02/24 10:33 08/05/24 18:29 4-Bromofluorobenzene (Surr) 102 35 - 166

Analyte	Result Qualifi	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.025	mg/Kg		08/02/24 10:33	08/05/24 18:29	1
Ethylbenzene	ND	0.050	mg/Kg		08/02/24 10:33	08/05/24 18:29	1
Toluene	ND	0.050	mg/Kg		08/02/24 10:33	08/05/24 18:29	1
Xylenes, Total	ND	0.10	mg/Kg		08/02/24 10:33	08/05/24 18:29	1

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 92 48 - 145 08/02/24 10:33 08/05/24 18:29

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/05/24 08:32	08/05/24 14:16	1			
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/05/24 08:32	08/05/24 14:16	1			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac			
Di-n-octyl phthalate (Surr)	83		62 - 134			08/05/24 08:32	08/05/24 14:16	1			

Method. LFA 300.0 - Allions, i	on Ciliomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		08/05/24 09:25	08/05/24 22:02	20

Project/Site: Hackberry 18 Federal 2

Client Sample ID: WS-01 @ 0-2' Lab Sample ID: 885-9078-14

Date Collected: 07/23/24 12:34 Matrix: Solid

Analyte		Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/02/24 10:33	08/05/24 18:52	
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		35 - 166			08/02/24 10:33	08/05/24 18:52	
Method: SW846 8021B - Volat	ile Organic	Compound	ds (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/02/24 10:33	08/05/24 18:52	
Ethylbenzene	ND		0.047	mg/Kg		08/02/24 10:33	08/05/24 18:52	•
Toluene	ND		0.047	mg/Kg		08/02/24 10:33	08/05/24 18:52	•
Xylenes, Total	ND		0.095	mg/Kg		08/02/24 10:33	08/05/24 18:52	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		48 - 145			08/02/24 10:33	08/05/24 18:52	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19		9.6	mg/Kg		08/05/24 08:32	08/05/24 14:29	
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/05/24 08:32	08/05/24 14:29	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	86		62 - 134			08/05/24 08:32	08/05/24 14:29	

60

Unit

mg/Kg

Prepared

Analyzed

08/05/24 09:25 08/05/24 22:14

Dil Fac

Result Qualifier

130

_

3

5

9

10

11

Analyte

Chloride

Client Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: WS-02 @ 0-2'

Lab Sample ID: 885-9078-15 Date Collected: 07/23/24 12:39

Date Received: 08/02/24 07:30

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/02/24 10:33	08/05/24 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/02/24 10:33	08/05/24 19:16	1

Analyte	Result Qu	ualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.0)23	mg/Kg	08/02/24 10:33	08/05/24 19:16	1
Ethylbenzene	ND	0.0)47	mg/Kg	08/02/24 10:33	08/05/24 19:16	1
Toluene	ND	0.0)47	mg/Kg	08/02/24 10:33	08/05/24 19:16	1
Xylenes, Total	ND	0.0)93	mg/Kg	08/02/24 10:33	08/05/24 19:16	1
Surrogate	%Recovery Qu	ualifier Limits	;		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90	48 - 14	15		08/02/24 10:33	08/05/24 19:16	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/05/24 08:32	08/05/24 14:42	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/05/24 08:32	08/05/24 14:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			08/05/24 08:32	08/05/24 14:42	1

Welliou. LFA 300.0 - Allions, ic	Jii Cili Olliato	grapity						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91		60	mg/Kg		08/05/24 09:25	08/05/24 22:27	20

Project/Site: Hackberry 18 Federal 2

Client Sample ID: WS-03 @ 0-.5' Lab Sample ID: 885-9078-16

Date Collected: 07/23/24 12:47

Matrix: Solid

Date Received: 08/02/24 07:30

Di-n-octyl phthalate (Surr)

Analyte

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/02/24 10:33	08/05/24 19:40	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/02/24 10:33	08/05/24 19:40	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		08/02/24 10:33	08/05/24 19:40	1
Ethylbenzene	ND		0.048	mg/Kg		08/02/24 10:33	08/05/24 19:40	1
Toluene	ND		0.048	mg/Kg		08/02/24 10:33	08/05/24 19:40	1
Xylenes, Total	ND		0.096	mg/Kg		08/02/24 10:33	08/05/24 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/02/24 10:33	08/05/24 19:40	1
- Method: SW846 8015M/D - Die	sel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/05/24 08:32	08/05/24 14:55	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/05/24 08:32	08/05/24 14:55	1
Surrogate	%Recovery	Ouglifier	Limits			Prepared	Analyzed	Dil Fac

Chloride ND 60 mg/Kg 08/05/24 09:25 08/05/24 22:40 20

RL

Unit

62 - 134

80

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography

Eurofins Albuquerque

08/05/24 08:32 08/05/24 14:55

Analyzed

Dil Fac

Prepared

2

5

9

10

Project/Site: Hackberry 18 Federal 2

Client Sample ID: WS-04 @ 0-1' Lab Sample ID: 885-9078-17

Date Collected: 07/23/24 12:58 Matrix: Solid

Date Received: 08/02/24 07:30

Surrogate

Di-n-octyl phthalate (Surr)

Released to Imaging: 11/13/2025 8:39:02 AM

Method: SW846 8015M/D - Ga	asoline Rang	ge Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/02/24 10:33	08/05/24 20:03	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			08/02/24 10:33	08/05/24 20:03	1
- Method: SW846 8021B - Volat	tile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/02/24 10:33	08/05/24 20:03	1
Ethylbenzene	ND		0.050	mg/Kg		08/02/24 10:33	08/05/24 20:03	1
Toluene	ND		0.050	mg/Kg		08/02/24 10:33	08/05/24 20:03	1
Xylenes, Total	ND		0.099	mg/Kg		08/02/24 10:33	08/05/24 20:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/02/24 10:33	08/05/24 20:03	1
- Method: SW846 8015M/D - Did	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/05/24 08:32	08/05/24 15:09	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/05/24 08:32	08/05/24 15:09	1

Method: EPA 300.0 - Anions, I	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND ND	60	mg/Kg		08/05/24 09:25	08/05/24 22:53	20

mg/Kg

Limits

62 - 134

%Recovery Qualifier

86

Eurofins Albuquerque

Prepared

08/05/24 08:32 08/05/24 15:09

Analyzed

Dil Fac

Project/Site: Hackberry 18 Federal 2

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

Lab Sample ID: MB 885-9626/1-A **Matrix: Solid**

Analysis Batch: 9729

Prep Type: Total/NA

Prep Batch: 9626

Client Sample ID: Method Blank

MB MB

Result Qualifier RL Unit Dil Fac Analyte D Prepared Analyzed Gasoline Range Organics ND 5.0 mg/Kg 08/02/24 09:38 08/04/24 16:24

(GRO)-C6-C10

MB MB

Qualifier Limits Dil Fac %Recovery Prepared Analyzed Surrogate 35 - 166 08/02/24 09:38 08/04/24 16:24 4-Bromofluorobenzene (Surr) 97

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 885-9626/2-A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 9729

Spike LCS LCS Added Analyte Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 25.5 mg/Kg 102 70 - 130

(GRO)-C6-C10

LCS LCS

%Recovery Qualifier Limits Surrogate 206 S1+ 35 - 166 4-Bromofluorobenzene (Surr)

Lab Sample ID: MB 885-9643/1-A

Matrix: Solid

Analysis Batch: 9779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9643

Prep Batch: 9626

MB MB

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Analyte Gasoline Range Organics ND 5.0 mg/Kg 08/02/24 10:33 08/05/24 11:46

(GRO)-C6-C10

MB MB

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 99 35 - 166 08/02/24 10:33 08/05/24 11:46

23.9

mg/Kg

Lab Sample ID: LCS 885-9643/2-A

Matrix: Solid

Analysis Batch: 9779

Client Sample ID: Lab Control Sample

96

Prep Type: Total/NA Prep Batch: 9643

70 - 130

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits

25.0

Gasoline Range Organics (GRO)-C6-C10

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 198 35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-9626/1-A

Matrix: Solid

Analysis Batch: 9780

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

Prep Batch: 9626

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene ND 0.025 08/02/24 09:38 08/05/24 23:12 mg/Kg Ethylbenzene ND 08/02/24 09:38 08/05/24 23:12 0.050 mg/Kg Toluene ND 0.050 mg/Kg 08/02/24 09:38 08/05/24 23:12

Client Sample ID: Method Blank

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

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

Lab Sample ID: MB 885-9626/1-A

Prep Type: Total/NA Prep Batch: 9626 MB MB

Qualifier Analyte Result RL Unit Prepared Analyzed Dil Fac Xylenes, Total ND 0.10 mg/Kg 08/02/24 09:38 08/05/24 23:12

MB MR Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 86 48 - 145 08/02/24 09:38 08/05/24 23:12

Lab Sample ID: LCS 885-9626/3-A

Analysis Batch: 9780

Matrix: Solid

Analysis Batch: 9780

Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA Prep Batch: 9626

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 1.00 0.976 98 70 - 130 mg/Kg Ethylbenzene 1.00 0.896 mg/Kg 90 70 - 130 m-Xylene & p-Xylene 2.00 1.79 mg/Kg 89 70 - 130 o-Xylene 1.00 0.876 mg/Kg 88 70 - 130 Toluene 1.00 0.923 92 70 - 130 mg/Kg

LCS LCS %Recovery Qualifier Limits Surrogate 48 - 145 4-Bromofluorobenzene (Surr) 91

Lab Sample ID: MB 885-9643/1-A

Matrix: Solid

Analysis Batch: 9780

Client Sample ID: Method Blank **Prep Type: Total/NA** Prep Batch: 9643 MD MD

	IVID	IVID							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.025	mg/Kg	_	08/02/24 10:33	08/05/24 11:46	1	
Ethylbenzene	ND		0.050	mg/Kg		08/02/24 10:33	08/05/24 11:46	1	
Toluene	ND		0.050	mg/Kg		08/02/24 10:33	08/05/24 11:46	1	
Xylenes, Total	ND		0.10	mg/Kg		08/02/24 10:33	08/05/24 11:46	1	

MB MB Limits Dil Fac Surrogate %Recovery Qualifier Prepared Analyzed 08/02/24 10:33 08/05/24 11:46 4-Bromofluorobenzene (Surr) 91 48 - 145

Lab Sample ID: LCS 885-9643/3-A

Matrix: Solid

Analysis Batch: 9780

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 9643

LCS LCS Spike %Rec Analyte Added %Rec Limits Result Qualifier Unit D Benzene 1.00 0.929 93 70 - 130 mq/Kq 1.00 0.866 87 Ethylbenzene mg/Kg 70 - 130 m-Xylene & p-Xylene 2.00 1.72 mg/Kg 86 70 - 130 o-Xylene 1.00 0.827 mg/Kg 83 70 - 130 Toluene 1.00 0.870 mg/Kg 87 70 - 130

LCS LCS Limits Surrogate %Recovery Qualifier 48 - 145 4-Bromofluorobenzene (Surr) 91

Client Sample ID: Method Blank

08/05/24 08:32 08/05/24 10:49

08/05/24 08:32 08/05/24 10:49

08/05/24 08:32 08/05/24 10:49

Client Sample ID: Lab Control Sample

%Rec

Limits

60 - 135

Client Sample ID: Method Blank

08/05/24 09:25 08/05/24 12:09

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

Client Sample ID: BS24-01 @ 2'

%Rec

Limits

50 - 150

Client Sample ID: BS24-01 @ 2'

Analyzed

Analyzed

Analyzed

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 9714

Prep Batch: 9714

Prep Batch: 9714

Prep Batch: 9714

Dil Fac

Prep Batch: 9705

Prep Type: Total/NA

Prep Batch: 9705

Dil Fac

Dil Fac

Client: Vertex Job ID: 885-9078-1

RL

10

50

RL

3.0

I imite

Spike

Added

50.0

62 - 134

Unit

mg/Kg

mg/Kg

Unit

Unit

LCS LCS

MS MS

202

Result Qualifier

30.7

Result Qualifier

mg/Kg

Unit

Unit

mg/Kg

mg/Kg

D

mg/Kg

LCS LCS

46.0

Result Qualifier

D

Prepared

Prepared

%Rec

Prepared

102

%Rec

D %Rec

92

D

Project/Site: Hackberry 18 Federal 2

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

Lab Sample ID: MB 885-9705/1-A

Analysis Batch: 9733

Matrix: Solid

MB MB Result Qualifier Analyte

Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]

Surrogate Di-n-octyl phthalate (Surr)

Lab Sample ID: LCS 885-9705/2-A **Matrix: Solid**

Analysis Batch: 9733

Analyte **Diesel Range Organics** [C10-C28]

Surrogate

Di-n-octyl phthalate (Surr)

%Recovery Qualifier 96

MB MB

ND

Sample Sample

170

Result Qualifier

Result Qualifier

LCS LCS

ND

ND

93

%Recovery

MB MB

Qualifier

Limits 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-9714/1-A **Matrix: Solid**

Analysis Batch: 9776

Analyte

Chloride Lab Sample ID: LCS 885-9714/2-A

Matrix: Solid Analysis Batch: 9776

Analyte Chloride

Lab Sample ID: 885-9078-1 MS **Matrix: Solid**

Analysis Batch: 9776

Analyte Chloride

Lab Sample ID: 885-9078-1 MSD **Matrix: Solid**

Analysis Batch: 9776

Sample Sample Analyte

Chloride 170

Result Qualifier

Spike Added 30.0

Spike

Added

30.0

Spike

Added

30 1

Result Qualifier 205 4

MSD MSD

Unit mg/Kg

%Rec 106

Limits 50 - 150

%Rec

RPD

Eurofins Albuquerque

2

RPD

Limit

QC Sample Results

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-9078-11 MS Client Sample ID: BS24-11 @ .5' **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 9776

Prep Batch: 9714 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 250 29.9 298 4 mg/Kg 148 50 - 150

Lab Sample ID: 885-9078-11 MSD Client Sample ID: BS24-11 @ .5' Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 9776

Prep Batch: 9714 Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 29.9 293 4 50 - 150 mg/Kg 128 2

Lab Sample ID: MB 885-9908/4 **Client Sample ID: Method Blank Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 9908

MB MB

Result Qualifier RL Unit Analyte Prepared Analyzed Dil Fac Chloride $\overline{\mathsf{ND}}$ 0.50 mg/Kg 08/06/24 10:36

Lab Sample ID: MRL 885-9908/3

Released to Imaging: 11/13/2025 8:39:02 AM

Matrix: Solid

Analysis Batch: 9908

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.525 mg/L 105 50 - 150

Eurofins Albuquerque

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

GC VOA

Prep Batch: 9626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	5030C	
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	5030C	
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	5030C	
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	5030C	
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	5030C	
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	5030C	
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	5030C	
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	5030C	
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	5030C	
MB 885-9626/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9626/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9626/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 9643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	5030C	
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	5030C	
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	5030C	
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	5030C	
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	5030C	
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	5030C	
885-9078-16	WS-03 @ 05'	Total/NA	Solid	5030C	
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	5030C	
MB 885-9643/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9643/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9643/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 9729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	8015M/D	9626
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	8015M/D	9626
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	8015M/D	9626
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	8015M/D	9626
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	8015M/D	9626
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	8015M/D	9626
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	8015M/D	9626
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	8015M/D	9626
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	8015M/D	9626
MB 885-9626/1-A	Method Blank	Total/NA	Solid	8015M/D	9626
LCS 885-9626/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9626

Analysis Batch: 9779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	8015M/D	9643
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	8015M/D	9643
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	8015M/D	9643
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	8015M/D	9643
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	8015M/D	9643
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	8015M/D	9643
885-9078-16	WS-03 @ 05'	Total/NA	Solid	8015M/D	9643
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	8015M/D	9643

Eurofins Albuquerque

Page 27 of 40

2

5

7

0

10

10

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

GC VOA (Continued)

Analysis Batch: 9779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-9643/1-A	Method Blank	Total/NA	Solid	8015M/D	9643
LCS 885-9643/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9643

Analysis Batch: 9780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	8021B	9626
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	8021B	9626
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	8021B	9626
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	8021B	9626
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	8021B	9626
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	8021B	9626
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	8021B	9626
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	8021B	9626
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	8021B	9626
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	8021B	9643
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	8021B	9643
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	8021B	9643
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	8021B	9643
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	8021B	9643
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	8021B	9643
885-9078-16	WS-03 @ 05'	Total/NA	Solid	8021B	9643
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	8021B	9643
MB 885-9626/1-A	Method Blank	Total/NA	Solid	8021B	9626
MB 885-9643/1-A	Method Blank	Total/NA	Solid	8021B	9643
LCS 885-9626/3-A	Lab Control Sample	Total/NA	Solid	8021B	9626
LCS 885-9643/3-A	Lab Control Sample	Total/NA	Solid	8021B	9643

GC Semi VOA

Prep Batch: 9705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	SHAKE	
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	SHAKE	
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	SHAKE	
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	SHAKE	
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	SHAKE	
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	SHAKE	
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	SHAKE	
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	SHAKE	
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	SHAKE	
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	SHAKE	
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	SHAKE	
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	SHAKE	
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	SHAKE	
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	SHAKE	
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	SHAKE	
885-9078-16	WS-03 @ 05'	Total/NA	Solid	SHAKE	
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	SHAKE	
MB 885-9705/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9705/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

2

J

5

7

9

10

1-

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

GC Semi VOA

Analysis Batch: 9733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	8015M/D	9705
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	8015M/D	9705
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	8015M/D	9705
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	8015M/D	9705
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	8015M/D	9705
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	8015M/D	9705
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	8015M/D	9705
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	8015M/D	9705
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	8015M/D	9705
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	8015M/D	9705
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	8015M/D	9705
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	8015M/D	9705
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	8015M/D	9705
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	8015M/D	9705
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	8015M/D	9705
885-9078-16	WS-03 @ 05'	Total/NA	Solid	8015M/D	9705
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	8015M/D	9705
MB 885-9705/1-A	Method Blank	Total/NA	Solid	8015M/D	9705
LCS 885-9705/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9705

HPLC/IC

Prep Batch: 9714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	300_Prep	_
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	300_Prep	
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	300_Prep	
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	300_Prep	
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	300_Prep	
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	300_Prep	
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	300_Prep	
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	300_Prep	
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	300_Prep	
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	300_Prep	
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	300_Prep	
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	300_Prep	
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	300_Prep	
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	300_Prep	
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	300_Prep	
885-9078-16	WS-03 @ 05'	Total/NA	Solid	300_Prep	
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	300_Prep	
MB 885-9714/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9714/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-9078-1 MS	BS24-01 @ 2'	Total/NA	Solid	300_Prep	
885-9078-1 MSD	BS24-01 @ 2'	Total/NA	Solid	300_Prep	
885-9078-11 MS	BS24-11 @ .5'	Total/NA	Solid	300_Prep	
885-9078-11 MSD	BS24-11 @ .5'	Total/NA	Solid	300 Prep	

Analysis Batch: 9776

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-1	BS24-01 @ 2'	Total/NA	Solid	300.0	9714

Eurofins Albuquerque

2

4

6

0

9

10

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

HPLC/IC (Continued)

Analysis Batch: 9776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-2	BS24-02 @ 2'	Total/NA	Solid	300.0	9714
885-9078-3	BS24-03 @ 2'	Total/NA	Solid	300.0	9714
885-9078-6	BS24-06 @ 2'	Total/NA	Solid	300.0	9714
885-9078-7	BS24-07 @ 1'	Total/NA	Solid	300.0	9714
885-9078-8	BS24-08 @ 1'	Total/NA	Solid	300.0	9714
885-9078-9	BS24-09 @ .5'	Total/NA	Solid	300.0	9714
885-9078-10	BS24-10 @ .5'	Total/NA	Solid	300.0	9714
885-9078-11	BS24-11 @ .5'	Total/NA	Solid	300.0	9714
885-9078-12	BS24-12 @ .5'	Total/NA	Solid	300.0	9714
885-9078-13	BS24-13 @ 0.5'	Total/NA	Solid	300.0	9714
885-9078-14	WS-01 @ 0-2'	Total/NA	Solid	300.0	9714
885-9078-15	WS-02 @ 0-2'	Total/NA	Solid	300.0	9714
885-9078-16	WS-03 @ 05'	Total/NA	Solid	300.0	9714
885-9078-17	WS-04 @ 0-1'	Total/NA	Solid	300.0	9714
MB 885-9714/1-A	Method Blank	Total/NA	Solid	300.0	9714
LCS 885-9714/2-A	Lab Control Sample	Total/NA	Solid	300.0	9714
885-9078-1 MS	BS24-01 @ 2'	Total/NA	Solid	300.0	9714
885-9078-1 MSD	BS24-01 @ 2'	Total/NA	Solid	300.0	9714
885-9078-11 MS	BS24-11 @ .5'	Total/NA	Solid	300.0	9714
885-9078-11 MSD	BS24-11 @ .5'	Total/NA	Solid	300.0	9714

Analysis Batch: 9908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9078-4	BS24-04 @ 2'	Total/NA	Solid	300.0	9714
885-9078-5	BS24-05 @ 2'	Total/NA	Solid	300.0	9714
MB 885-9908/4	Method Blank	Total/NA	Solid	300.0	
MRL 885-9908/3	Lab Control Sample	Total/NA	Solid	300.0	

Eurofins Albuquerque

-

2

Л

1

9

10

Client: Vertex Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-01 @ 2'

Date Collected: 07/23/24 10:03 Date Received: 08/02/24 07:30 Lab Sample ID: 885-9078-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/04/24 23:04
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 05:03
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 11:14
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 13:01

Client Sample ID: BS24-02 @ 2'

Date Collected: 07/23/24 10:14

Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-2

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/04/24 23:27
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 05:27
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 11:27
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 13:39

Client Sample ID: BS24-03 @ 2'

Date Collected: 07/23/24 10:20

Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-3

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/04/24 23:50
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 05:50
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 11:40
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 13:52

Client Sample ID: BS24-04 @ 2'

Date Collected: 07/23/24 10:29

Date Received: 08/02/24 07:30

Lab Samp	le ID:	885-9078-4	ŀ
----------	--------	------------	---

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/05/24 00:14

Client Sample ID: BS24-04 @ 2'

Date Collected: 07/23/24 10:29

Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-4

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 06:14
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 11:53
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9908	JT	EET ALB	08/06/24 23:46

Client Sample ID: BS24-05 @ 2'

Date Collected: 07/23/24 10:38 Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-5

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/05/24 00:37
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 06:37
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 12:06
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9908	JT	EET ALB	08/06/24 23:58

Client Sample ID: BS24-06 @ 2'

Date Collected: 07/23/24 10:51

Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-6

Matrix: Solid

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/05/24 01:01
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 07:01
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 12:19
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 19:14

Client Sample ID: BS24-07 @ 1'

Date Collected: 07/23/24 11:02

Date Received: 08/02/24 07:30

ah	Samp	ا ما	א ים	25-91	178-7
-uv	Jaiib		D . 0	00-5	J I U-I

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/05/24 01:24
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 07:24

Client Sample ID: BS24-07 @ 1'

Date Collected: 07/23/24 11:02 Date Received: 08/02/24 07:30 Lab Sample ID: 885-9078-7

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 12:32
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 19:27

Client Sample ID: BS24-08 @ 1'

Date Collected: 07/23/24 11:18

Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-8

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/05/24 01:48
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 07:48
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 12:45
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 20:05

Client Sample ID: BS24-09 @ .5'

Date Collected: 07/23/24 11:29

Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-9

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8015M/D		1	9729	RA	EET ALB	08/05/24 02:11
Total/NA	Prep	5030C			9626	JP	EET ALB	08/02/24 09:38
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/06/24 08:11
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 12:58
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 20:18

Client Sample ID: BS24-10 @ .5'

Date Collected: 07/23/24 11:47

Date Received: 08/02/24 07:30

Lab Sample	ID: 885-9078-10
------------	-----------------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 16:54
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 16:54
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 13:24

Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: BS24-10 @ .5'

Date Collected: 07/23/24 11:47

Date Received: 08/02/24 07:30

Client: Vertex

Lab Sample ID: 885-9078-10

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 20:31

Client Sample ID: BS24-11 @ .5'

Date Collected: 07/23/24 11:59 Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-11

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 17:18
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 17:18
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 13:36
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 20:44

Client Sample ID: BS24-12 @ .5'

Date Collected: 07/23/24 12:09 Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-12

Matrix: Solid

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 18:05
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 18:05
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 14:02
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 21:22

Client Sample ID: BS24-13 @ 0.5'

Date Collected: 07/23/24 12:21

Date Received: 08/02/24 07:30

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample	e ID: 885-9078-13
------------	-------------------

Matrix: Solid

Γ	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 18:29
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 18:29
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 14:16
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 22:02

Project/Site: Hackberry 18 Federal 2

Client: Vertex

Client Sample ID: WS-01 @ 0-2'

Date Collected: 07/23/24 12:34

Lab Sample ID: 885-9078-14

Matrix: Solid

Date Received: 08/02/24 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 18:52
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 18:52
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 14:29
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 22:14

Client Sample ID: WS-02 @ 0-2'

Date Collected: 07/23/24 12:39

Lab Sample ID: 885-9078-15

Matrix: Solid

Date Received: 08/02/24 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 19:16
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 19:16
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 14:42
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 22:27

Client Sample ID: WS-03 @ 0-.5'

Date Collected: 07/23/24 12:47 Date Received: 08/02/24 07:30

Lab Sample ID: 885-9078-16 **Matrix: Solid**

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 19:40
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 19:40
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 14:55
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 22:40

Client Sample ID: WS-04 @ 0-1'

Date Collected: 07/23/24 12:58

Lab Sample ID: 885-9078-17

Matrix: Solid

Date Received: 08/02/24 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8015M/D		1	9779	JP	EET ALB	08/05/24 20:03

Lab Chronicle

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

Client Sample ID: WS-04 @ 0-1' Lab Sample ID: 885-9078-17

Date Collected: 07/23/24 12:58 Matrix: Solid

Date Received: 08/02/24 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			9643	AT	EET ALB	08/02/24 10:33
Total/NA	Analysis	8021B		1	9780	JP	EET ALB	08/05/24 20:03
Total/NA	Prep	SHAKE			9705	KR	EET ALB	08/05/24 08:32
Total/NA	Analysis	8015M/D		1	9733	KR	EET ALB	08/05/24 15:09
Total/NA	Prep	300_Prep			9714	EH	EET ALB	08/05/24 09:25
Total/NA	Analysis	300.0		20	9776	EH	EET ALB	08/05/24 22:53

Laboratory References:

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

2

3

4

6

0

9

10

Accreditation/Certification Summary

Client: Vertex Job ID: 885-9078-1

Project/Site: Hackberry 18 Federal 2

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	02-26-25
0 ,	s are included in this repo	•	not certified by the governing authori	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organics	s (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [0	C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics	s [C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
)regon	NELA	P	NM100001	02-25-25

1

F

6

Я

9

Received by:

CS24-09 @ .5'

CS24-10 @ .5

CS24-11 @ .5'

CS24-12 @ .5'

HALL ENVIRONMENTAL **ANALYSIS LAP**

www.hallenvironmental.cc

4901 Hawkins NE - Albuquerque, NI

Fax 505-345-885-9078 coc

80 Coliform (Present/Absent PO4, NO_2 8270 (Semi-VOA) F, Br, NO₃, 8260 (VOA) Total ਹ Remarks: WO# 21185142

Dale Woodall

10F2

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.

Date

9

9/19/2025 (Rev. 1)

Date:

18-1-34

11:29

11:47

11:59

12:09

Relinquished by:

Time:

02:00

Imaging:





Page 358 of 508

9/19/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-9078-1

Login Number: 9078 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/26/2025 12:53:45 PM

JOB DESCRIPTION

Hackberry 18 Federal #002 Battery

JOB NUMBER

885-21619-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 3/26/2025 12:53:45 PM

Authorized for release by Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com (505)345-3975 Client: Vertex Project/Site: Hackberry 18 Federal #002 Battery Laboratory Job ID: 885-21619-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
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

Definitions/Glossary

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Method Quantitation Limit

Practical Quantitation Limit

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

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

Glossary

ML

MPN

MQL

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

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

Case Narrative

Client: Vertex Job ID: 885-21619-1

Project: Hackberry 18 Federal #002 Battery

Job ID: 885-21619-1 Eurofins Albuquerque

Job Narrative 885-21619-1

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 3/18/2025 7:30 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 4.3°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

- 0

5

6

8

9

10

1

Client Sample Results

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES24-11 1-4.1'

Date Collected: 03/14/25 08:20

Date Received: 03/18/25 07:30

Toluene

Xylenes, Total

Lab Sample ID: 885-21619-1

03/21/25 19:06

03/21/25 19:06

03/20/25 11:45

03/20/25 11:45

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		03/20/25 11:45	03/21/25 19:06	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			03/20/25 11:45	03/21/25 19:06	1
- Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/20/25 11:45	03/21/25 19:06	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105	48 - 145	03/20/25 11:45	03/21/25 19:06	1

0.048

0.097

mg/Kg

mg/Kg

ND

ND

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/20/25 14:12	03/20/25 19:24	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/20/25 14:12	03/20/25 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			03/20/25 14:12	03/20/25 19:24	1

Method: EPA 300.0 - Anions, Ion Chromatography										
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	110		60	mg/Kg		03/20/25 09:44	03/20/25 12:58	20	

Prep Batch: 22810

Prep Type: Total/NA

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-22810/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid Analysis Batch: 22868

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 mg/Kg 03/20/25 11:45 03/21/25 12:24

(GRO)-C6-C10

MB MB %Recovery Limits Dil Fac Qualifier Prepared Surrogate Analyzed 03/20/25 11:45 35 - 166 03/21/25 12:24 4-Bromofluorobenzene (Surr) 105

Lab Sample ID: LCS 885-22810/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 22868

Prep Batch: 22810 Spike LCS LCS

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

(GRO)-C6-C10

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 210 35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-22810/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 22869 Prep Batch: 22810 мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/20/25 11:45	03/21/25 12:24	1
Ethylbenzene	ND		0.050	mg/Kg		03/20/25 11:45	03/21/25 12:24	1
Toluene	ND		0.050	mg/Kg		03/20/25 11:45	03/21/25 12:24	1
Xvlenes, Total	ND		0.10	ma/Ka		03/20/25 11:45	03/21/25 12:24	1

мв мв

Limits Dil Fac Surrogate %Recovery Qualifier Prepared Analyzed 4-Bromofluorobenzene (Surr) 114 48 - 145 03/20/25 11:45 03/21/25 12:24

Lab Sample ID: LCS 885-22810/4-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 22869** Prep Batch: 22810 LCS LCS

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Ur	nit C	%Rec	Limits	
Benzene	1.00	1.09	m	g/Kg	109	70 - 130	
Ethylbenzene	1.00	1.09	mę	g/Kg	109	70 - 130	
m-Xylene & p-Xylene	2.00	2.30	mç	g/Kg	115	70 - 130	
o-Xylene	1.00	1.12	mę	g/Kg	112	70 - 130	
Toluene	1.00	1.10	mę	g/Kg	110	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 113 48 - 145 4-Bromofluorobenzene (Surr)

Prep Batch: 22829

Prep Batch: 22829

Prep Type: Total/NA

Prep Batch: 22791

Prep Type: Total/NA

Prep Batch: 22791

Client Sample ID: Lab Control Sample

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-22829/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Analysis Batch: 22780

Matrix: Solid

MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 03/20/25 14:12 03/20/25 16:22 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 03/20/25 14:12 03/20/25 16:22

MB MB

Qualifier Limits Prepared Dil Fac Surrogate %Recovery Analyzed Di-n-octyl phthalate (Surr) 102 62 - 134 03/20/25 14:12 03/20/25 16:22

Lab Sample ID: LCS 885-22829/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 22780

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits **Diesel Range Organics** 50.0 61.3 123 60 - 135 mg/Kg

[C10-C28]

Analyte

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 99 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-22791/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 22795

мв мв

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared

Chloride ND 1.5 mg/Kg 03/20/25 09:44 03/20/25 10:59

Lab Sample ID: LCS 885-22791/2-A

Released to Imaging: 11/13/2025 8:39:02 AM

Matrix: Solid

Analysis Batch: 22795

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 15.0 14.4 96 90 - 110 mg/Kg

QC Association Summary

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA

Prep Batch: 22810

Lab Sample ID 885-21619-1	Client Sample ID WES24-11 1-4.1'	Prep Type Total/NA	Matrix Solid	Method 5030C	Prep Batch
MB 885-22810/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-22810/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-22810/4-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 22868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21619-1	WES24-11 1-4.1'	Total/NA	Solid	8015M/D	22810
MB 885-22810/1-A	Method Blank	Total/NA	Solid	8015M/D	22810
LCS 885-22810/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22810

Analysis Batch: 22869

Lab Sample ID 885-21619-1	Client Sample ID WES24-11 1-4.1'	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 22810
MB 885-22810/1-A	Method Blank	Total/NA	Solid	8021B	22810
LCS 885-22810/4-A	Lab Control Sample	Total/NA	Solid	8021B	22810

GC Semi VOA

Analysis Batch: 22780

	Sample ID -21619-1	Client Sample ID WES24-11 1-4.1'	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 22829
MB 8	885-22829/1-A	Method Blank	Total/NA	Solid	8015M/D	22829
LCS	885-22829/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22829

Prep Batch: 22829

Lab Sample ID 885-21619-1	Client Sample ID WES24-11 1-4.1'	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
MB 885-22829/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-22829/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 22791

-	Lab Sample ID	Client Sample ID WES24-11 1-4.1'	Prep Type Total/NA	Matrix Solid	Method 300_Prep	Prep Batch
ı	MB 885-22791/1-A	Method Blank	Total/NA	Solid	300_Prep	
l	LCS 885-22791/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 22795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21619-1	WES24-11 1-4.1'	Total/NA	Solid	300.0	22791
MB 885-22791/1-A	Method Blank	Total/NA	Solid	300.0	22791
LCS 885-22791/2-A	Lab Control Sample	Total/NA	Solid	300.0	22791

Eurofins Albuquerque

2

-

4

5

7

8

9

10

1

Lab Chronicle

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES24-11 1-4.1'

Lab Sample ID: 885-21619-1 Date Collected: 03/14/25 08:20 Matrix: Solid

Date Received: 03/18/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			22810	AT	EET ALB	03/20/25 11:45
Total/NA	Analysis	8015M/D		1	22868	AT	EET ALB	03/21/25 19:06
Total/NA	Prep	5030C			22810	AT	EET ALB	03/20/25 11:45
Total/NA	Analysis	8021B		1	22869	AT	EET ALB	03/21/25 19:06
Total/NA	Prep	SHAKE			22829	MI	EET ALB	03/20/25 14:12
Total/NA	Analysis	8015M/D		1	22780	MI	EET ALB	03/20/25 19:24
Total/NA	Prep	300_Prep			22791	DL	EET ALB	03/20/25 09:44
Total/NA	Analysis	300.0		20	22795	DL	EET ALB	03/20/25 12:58

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex Job ID: 885-21619-1

Project/Site: Hackberry 18 Federal #002 Battery

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
• ,	are included in this report, but	ut the laboratory is not certi	fied by the governing authority. This li	st 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 [6	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	Р	NM100001	02-26-26

3

4

Q

9

10

10

Client:

Chain-of-Custody Record

Vertex

4	Mailing	Address		on, work order 21185142)	Hackborn, 1	l8 Federal #0(12 Batton			40	O1 LI							al.cor e, NM	885	21619	coc	
			· · · · · · · · · · · · · · · · · · ·		Project #:	io i edelal #00	Dattery		1											, .		
4	Phone:	#:			23E-03903					16	el. 50	5-34	15-38		_		_	345-4 Jest	107			1791
	email o				Project Mana	aner:				<u> </u>		1					i			1	T	
		Package:			Kent Stalling				021	ARC	S		S		, SO ₄			sen				
	☐ Stan	•		☐ Level 4 (Full Validation)		ertexresource	com		TMB's (8021)	/ DRO / MRO)	PCB's		8270SIMS		NO ₂ , PO ₄ ,			Coliform (Present/Absent)				
	Accredi		□ Az Co	ompliance	Sampler:	L. Pullman			MB	DR(82	=	270		02, 1			sen				
	□ NEL		□ Other		On Ice:	Yes	□ No		-	0	2/80	504.1)	or 8				€	Pre				
	□ EDD				# of Coolers:			Marie	HE H	(GR	ide	3d 5	9	itals	င္နီ		2	E				
					Cooler Temp	O(including CF): U	.4-6.12	4.3	Σ	15D	stic	etho	y 83	₩ We	ایر	(A)	emi	흹				
	Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEA	L No.	BTEX / MTBE	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method	PAHs by 8310	RCRA 8 Metals	CIJF, Br, NO ₃ ,	8260 (VOA)	8270 (Semi-VOA)	Total Co				
Page	03.14.25	8:20	Soil	WES24-11 1-4.1'	1, 4oz jar				х	Х					х							
3															_						1	
of 13													_		\perp							
Ŋ																						
															_							
	Date:	Time: 07:00	Relinquish	Puller	Received by:	Via: • WW	3/17/15	700	Dire	ct bil)evo	n wo	rk or				2 Jim ttar@			urce.c	com.
2/26	0/ate:	Time: 1900	Relinquish	ed by: wwwp	Received by:	Við:	7/29/25	Time 7.30	ksta	lling		ertex										ce.com

Turn-Around Time:

X Standard

Project Name:

& push 5 Day



HALL ENVIRON ANALYSIS LABO













Login Sample Receipt Checklist

Client: Vertex Job Number: 885-21619-1

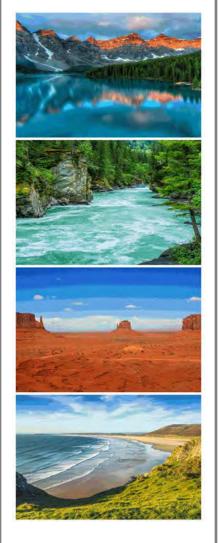
Login Number: 21619 List Source: Eurofins Albuquerque

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	

Report to: Chad Hensley



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Hackberry 18 Federal #002

Work Order: E410229

Job Number: 01058-0007

Received: 10/21/2024

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 10/24/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/24/24

Chad Hensley 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Hackberry 18 Federal #002

Workorder: E410229

Date Received: 10/21/2024 7:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/21/2024 7:15:00AM, under the Project Name: Hackberry 18 Federal #002.

The analytical test results summarized in this report with the Project Name: Hackberry 18 Federal #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BES24-14 4.1'	5
BES24-15 4.1'	6
BES24-16 4.1'	7
BES24-17 4.1'	8
WES24-05 1-4.1'	9
WES24-06 1-4.1'	10
WES24-07 1-4.1'	11
WES24-08 1-4.1'	12
WES24-09 1-4.1'	13
WES24-10 1-4.1'	14
WES24-11 1-4.1'	15
WES24-12 1-4.1'	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	Donoutode
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/24 10:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BES24-14 4.1'	E410229-01A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BES24-15 4.1'	E410229-02A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BES24-16 4.1'	E410229-03A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BES24-17 4.1'	E410229-04A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-05 1-4.1'	E410229-05A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-06 1-4.1'	E410229-06A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-07 1-4.1'	E410229-07A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-08 1-4.1'	E410229-08A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-09 1-4.1'	E410229-09A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-10 1-4.1'	E410229-10A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-11 1-4.1'	E410229-11A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
WES24-12 1-4.1'	E410229-12A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

BES24-14 4.1' E410229-01

	E410229-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: CG	<u> </u>	Batch: 2443020
ND	0.0250	1	10/21/24	10/22/24	
ND	0.0250	1	10/21/24	10/22/24	
ND	0.0250	1	10/21/24	10/22/24	
ND	0.0250	1	10/21/24	10/22/24	
ND	0.0500	1	10/21/24	10/22/24	
ND	0.0250	1	10/21/24	10/22/24	
	91.4 %	70-130	10/21/24	10/22/24	
mg/kg	mg/kg	Analy	yst: CG		Batch: 2443020
ND	20.0	1	10/21/24	10/22/24	
	93.7 %	70-130	10/21/24	10/22/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2443011
ND	25.0	1	10/21/24	10/22/24	
ND	50.0	1	10/21/24	10/22/24	
	96.3 %	50-200	10/21/24	10/22/24	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2443018
298	20.0	1	10/21/24	10/21/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 91.4 % mg/kg mg/kg mg/kg ND 20.0 93.7 % mg/kg MD 25.0 ND 50.0 96.3 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 91.4 % 70-130 mg/kg mg/kg Analy ND 20.0 1 93.7 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 96.3 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: CG ND 0.0250 1 10/21/24 ND 0.0250 1 10/21/24 ND 0.0250 1 10/21/24 ND 0.0250 1 10/21/24 ND 0.0500 1 10/21/24 ND 0.0250 1 10/21/24 mg/kg mg/kg Analyst: CG ND 20.0 1 10/21/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/21/24 ND 50.0 1 10/21/24 ND 50.0 1 10/21/24 ND 50.0 1 10/21/24 Mg/kg Mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 10/21/24 10/22/24 ND 0.0250 1 10/21/24 10/22/24 ND 0.0250 1 10/21/24 10/22/24 ND 0.0500 1 10/21/24 10/22/24 ND 0.0250 1 10/21/24 10/22/24 ND 0.0250 1 10/21/24 10/22/24 mg/kg mg/kg Analyst: CG Analyst: CG ND 20.0 1 10/21/24 10/22/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/21/24 10/22/24 ND 25.0 1 10/21/24 10/22/24 ND 50.0 1 10/21/24 10/22/24 ND 50.0 1 10/21/24 10/22/24 ND 50.0 1 10/21/24 <

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

BES24-15 4.1' E410229-02

		2:1022> 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
oluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
o,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		97.1 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2443018
Chloride	213	20.0	1	10/21/24	10/21/24	



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

BES24-16 4.1' E410229-03

		E-10227-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		94.7 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2443018
Chloride	670	20.0	1	10/21/24	10/21/24	



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

BES24-17 4.1'

E410229-04								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2443020		
Benzene	ND	0.0250	1	10/21/24	10/22/24			
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24			
Toluene	ND	0.0250	1	10/21/24	10/22/24			
o-Xylene	ND	0.0250	1	10/21/24	10/22/24			
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24			
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24			
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	10/21/24	10/22/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2443020		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	10/21/24	10/22/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2443011		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24			
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24			
Surrogate: n-Nonane		101 %	50-200	10/21/24	10/22/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2443018		
Chloride	133	20.0	1	10/21/24	10/21/24			



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-05 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		96.6 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2443018
Chloride	151	20.0	1	10/21/24	10/21/24	•



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-06 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		96.1 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2443018



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-07 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		100 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2443018
Chloride	102	20.0	1	10/21/24	10/21/24	



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-08 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		98.8 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2443018
Chloride	128	20.0	1	10/21/24	10/21/24	



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-09 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		98.7 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2443018
Chloride	112	20.0	1	10/21/24	10/21/24	·



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-10 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		100 %	50-200	10/21/24	10/22/24	
1 I FID 4 200 0 100 FC 4	mg/kg	mg/kg	Analy	st: IY		Batch: 2443018
Anions by EPA 300.0/9056A	0 0					



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-11 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		98.9 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2443018
Chloride	1090	20.0	1	10/21/24	10/21/24	



Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Chad Hensley	10/24/2024 10:18:49AM

WES24-12 1-4.1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2443020
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2443020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2443011
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane		98.1 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2443018
Chloride	167	20.0	1	10/21/24	10/21/24	-



QC Summary Data

Hackberry 18 Federal #002 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Chad Hensley 10/24/2024 10:18:49AM **Volatile Organics by EPA 8021B** Analyst: CG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2443020-BLK1) Prepared: 10/21/24 Analyzed: 10/22/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.34 8.00 91.8 70-130 LCS (2443020-BS1) Prepared: 10/21/24 Analyzed: 10/22/24 4.68 93.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.47 0.0250 5.00 89.3 70-130 4.59 0.0250 5.00 91.8 70-130 Toluene o-Xylene 4.48 0.0250 5.00 89.7 70-130 9.05 10.0 90.5 70-130 0.0500 p.m-Xvlene 90.2 13.5 15.0 70-130 Total Xylenes 0.0250 8.00 93.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.44 Matrix Spike (2443020-MS1) Source: E410229-06 Prepared: 10/21/24 Analyzed: 10/22/24 4.93 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.75 0.0250 5.00 95.0 Toluene 4.85 0.0250 5.00 ND 97.1 61-130 4.76 ND 95.3 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.64 0.0500 10.0 ND 96.4 63-131 14.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.42 8.00 Matrix Spike Dup (2443020-MSD1) Source: E410229-06 Prepared: 10/21/24 Analyzed: 10/22/24

5.22

5.01

5.13

5.02

10.2

15.2

7.38

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

100

103

100

102

101

92.3

54-133

61-133

61-130

63-131

63-131

63-131

70-130

5.58

5.38

5 52

5.25

5.24

5.24

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Hackberry 18 Federal #002Reported:3101 Boyd DriveProject Number:01058-0007Carlsbad NM, 88220Project Manager:Chad Hensley10/24/2024 10:18:49AM

	Non	halogenated (Organics l	oy EPA 801	15D - GI	RO			Analyst: CG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2443020-BLK1)							Prepared: 1	0/21/24 Ana	lyzed: 10/22/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
LCS (2443020-BS2)							Prepared: 1	0/21/24 Ana	lyzed: 10/22/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike (2443020-MS2)				Source:	E410229-0)6	Prepared: 1	0/21/24 Ana	lyzed: 10/22/24
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

50.0

8.00

ND

81.5

93.3

40.8

7.46

20.0

0.0811

70-130

70-130

QC Summary Data

Vertex Resource Services Inc.Project Name:Hackberry 18 Federal #002Reported:3101 Boyd DriveProject Number:01058-0007Carlsbad NM, 88220Project Manager:Chad Hensley10/24/2024 10:18:49AM

Carlsbad NM, 88220		Project Manager	r: Ch	ad Hensley				11	0/24/2024 10:18:49AI
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443011-BLK1)							Prepared: 1	0/21/24 Ar	nalyzed: 10/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	46.6		50.0		93.1	50-200			
LCS (2443011-BS1)							Prepared: 1	0/21/24 Ar	nalyzed: 10/22/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	48.1		50.0		96.1	50-200			
Matrix Spike (2443011-MS1)				Source:	E410229-	09	Prepared: 1	0/21/24 Ar	nalyzed: 10/22/24
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
Matrix Spike Dup (2443011-MSD1)				Source:	E410229-	09	Prepared: 1	0/21/24 Ar	nalyzed: 10/22/24
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	1.27	20	
'urrogate: n-Nonane	48.7		50.0		97.5	50-200			

Chloride

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number	: 0	Hackberry 18 F 01058-0007	ederal #00	2			Reported:
Carlsbad NM, 88220		Project Manager	r: (Chad Hensley					10/24/2024 10:18:49AM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443018-BLK1)							Prepared:	10/21/24 <i>A</i>	Analyzed: 10/21/24
Chloride	ND	20.0							
LCS (2443018-BS1)							Prepared:	10/21/24 A	Analyzed: 10/21/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2443018-MS1)				Source:	E410229-	05	Prepared:	10/21/24 <i>A</i>	Analyzed: 10/21/24
Chloride	403	20.0	250	151	101	80-120			
Matrix Spike Dup (2443018-MSD1)				Source:	E410229-	05	Prepared:	10/21/24 A	Analyzed: 10/21/24

250

20.0

151

101

80-120

0.0315

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Vertex Resource Services Inc.Project Name:Hackberry 18 Federal #0023101 Boyd DriveProject Number:01058-0007Reported:Carlsbad NM, 88220Project Manager:Chad Hensley10/24/24 10:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page _	L	_of_	<u> </u>	Re
State	:			Received by OCD: 9/29/2025
€O UT	TX			red
		l		by
a, rejuge				0
PA Progra	m			2
CWA	RC	RA		
				9/2
ce Y	or	2		9/
				202
				5
Remarks				:
				2
				I:12:38 PM
				P

Client Information					Invoice Information				Lab Use Only								Γ		State	e	
Client: VERIEX Project Name: Nachbory 18 Foder Hoo?						Company:								ob Number			2D :	3D Std	- NM	€0 UT	TX
Project N	Vanager: C	had	YPASIE.	<u>(F</u> [&] T	TOOK AC	ity, State, Zip: OV FIL	1	<u>E</u>	410	229	1	0)0:	<u>2.8.0</u>	00				~	J ⟨ △		
Project Manager: Charle Mensley Address:						none:						Ana	lysis	and	Met	hod	P. MASTER		EI	PA Progra	am
City, Stat	te, Zip:				<u>Em</u>	pail:													SDWA	CWA	RCRA
Phone: Email:	chensle	NOVOI	terros	- NOR 1	Mis	scellaneous:													Camplian	T V	or N
Ciliali.	CACISIC	<u> </u>	<u> </u>	MCC.C	<i>≝''</i> //				8015	8015			o.			si			Complian PWSID #	ce Y	Or N
				Sam	ple Informati	on	•		\$ \$	Š Š	, 8021	8260	e 300	- NM	t- 20	Metals			1 11 21 2 11		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numbei	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by	Chloride 300.0	BGDOC.	TCEQ 1005 - TX	RCRA 8				Remarks	
Plop	10-17-24	Sol	one	BES	24 -14	4,1		(×	×	×		×	1							
0910	<u> </u>	$oxed{oxed}$	$oxed{oldsymbol{ol}}}}}}}}}}}}}}}}}}$	BES:	24-15	4.1		2		\perp	4		1								
0920				BES	24-16	4.1		3	\coprod		Ц		Ш								
6930				BES	24-17	4.1		4	\coprod				Ш								-
1000		\coprod		WES	24 - 05	1-4.1'		5	\coprod	Ш			Ш								
1010		$\sqcup \!\!\! \perp$	Ш	WES	24-06	, 1-4.1"		0													
(050		\coprod	$oxed{oldsymbol{oxed}}$	WES	24 -07	7 1-4.1"		7	\coprod		Щ										
७३०				WtS	24-08	3 1-4.1		8	\prod		Ш										
1100					24 -09			9	Щ,	\coprod_{ℓ}	1										
[(10	V	V	V	WES:	24-10	1-4.1		10	V	V	1		4								
	al Instruction	W		1851																	
			authenticity	of this sampl	le. I am aware that	t tampering with or intentionally mislabelin	g the san	nple location	n, date d	or time	of coll	lection	is cons	sidered	l fraud	and m	ay be gr	ounds for	legal action.		
	ed by: (Signature	CHT	Date LO	~/7-24		Received by: (Agenative) Whichelle Gonzale		18-24	Time }	000						_		ice at an av	ust be received g temp above 0		
Vyje	ed by: (Signature	snzale	& ID-	18.24	J115	Received by (Signature)		18.24	Time	.//	5_			Rece	eived	on ic	ce:	Lab Us	se Only		
[/ }	d by: (Signature	-		18.24	11me 400	ace yed by Signature	Date /O	21.24	Time 7:	15				<u>T1</u>			I	2	·	<u>T3</u>	
	ed by: (Signature		Date		Time	Received by: (Signature)	Date		Time						Tem			!			
	rix: S - Soil, Sd - So							tainer Typ												fabraha.	
	•	•		•		rrangements are made. Hazardous sar e liability of the laboratory is limited to						osea c	or at tr	ne cue	nt exp	ense.	ine re	SOFT FOR TI	ne anaiysis c	t the abovi	a samples is

envirotech

ge	<u>2</u> of	_2_
		_

Γ	Clie	Client Information Invoice Information Lab Use Only TAT								State														
Client: Project N	lame: Noce	Company: Devan Lab WO# Job Number 1D 2D 3D Std Hones: City, State, Zip: On FILE							Std	NM CO UT TX														
Address:												EPA Program												
City, State, Zip:										Γ												SDWA	CWA	RCRA
Phone: Miscellaneous:											-													
Email: (nail: Chensley Avertex resource. com										Compliance Y or N													
Sample Information								<u>. 19. a a filip</u>		-	è l	o by	8021	3260	300.0	NM	አጉ-2	/letals				PWSID #		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numb	er	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks	
1120	10-17-24	50,1	one 402	WES	24-11	·	1-4.1		11		X	X	X	,	X									
1130	V	1	1	WES	24-17		1-4,1		12	_/		X	X		X									
								+			\dashv													
								+		+	\dashv													
								 		+	_													
	al Instructio		Wo	:211	185/42	·																		
l, (field sam Sampled by	pler), attent to the	e validity and	authenticity 1RRS	of this sampl			or intentionally mislabeli		nple locati	ion, da	ite or	time	of coll	ection	is cons	sidered	d fraud	and n	nay be	ground	ds for le	gal action.		
Relinquish	ed by: (Signatur	e CUV	L Date	77-24	Time / 700	Received by:	(Signature)	Date	18.2	4 1	ime 10	00				sample		ceived		in ice at	t an avg	st be received o temp above 0		
Relignuish	by disignator				JUS	Referenced by:	(Signature)	Date O	·18.2	<u>.</u> 4	me 1	1/5	5			Rece	eived	on i	ce:	_	b Us N	e Only		
A.J	by: (Signatur			18.24	6400	Tur.	signaty Mar		<u> </u>	•		5	-	le.		<u>T1</u>	* .		_	<u>T2</u>		· · · · · · · · · · · · · · · · · · ·	Т3	
'	ed by: (Signatur	•	Date		Time	Received by:	(Signature)	Date			ime					AVG	Tem	np.°C	4					
	rix: S - Soi l, Sd - S								tainer T	• •			•		astic,	ag -	ambe	r gla	SS, V -					
		•		•		•	re made. Hazardous sa e laboratory is limited t							osed c	of at ti	ne clie	ent exp	pense	. The I	report	for th	e analysis of	the above	samples is

envirotech

Released to Imaging: 11/13/2025 8:39:02 AM

Printed: 10/21/2024 8:40:29AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	10/21/24 (07:15		Work Order ID:	E410229
Phone:	(575) 748-0176	Date Logged In:	10/18/24	15:57		Logged In By:	Caitlin Mars
Email:	chensley@vertexresources.com	Due Date:	10/25/24	17:00 (4 day TAT)		20 3	
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes	_		<u>Comments</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers?	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
	field sample labels filled out with the minimum info	rmation:	**				
	ample ID? ate/Time Collected?		Yes				
	ate/fime Collected?		Yes				
	reservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	imple(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	netals?	No				
	se Sample Matrix		1.0				
	the sample have more than one phase, i.e., multiphase	se?	No				
	does the COC specify which phase(s) is to be analy		No				
		zeu:	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborator	-	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab:	: NA		
Client In	struction						

Date

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/14/2025 5:23:50 PM

JOB DESCRIPTION

Hackberry 18 Federal #002 Battery

JOB NUMBER

885-30633-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 8/14/2025 5:23:50 PM

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

Client: Vertex Project/Site: Hackberry 18 Federal #002 Battery Laboratory Job ID: 885-30633-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	
Client Sample Results	6
QC Sample Results	28
QC Association Summary	35
Lab Chronicle	41
Certification Summary	48
Chain of Custody	49
Receipt Checklists	51

Definitions/Glossary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Qualifiers

GC Semi VOA

Qualifier **Qualifier Description**

Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier **Qualifier Description**

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry) EDL Estimated Detection Limit (Dioxin)

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

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit

ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present PQL **Practical Quantitation Limit PRES**

Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Vertex Job ID: 885-30633-1

Project: Hackberry 18 Federal #002 Battery

Job ID: 885-30633-1 **Eurofins Albuquerque**

> Job Narrative 885-30633-1

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

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

Receipt

The samples were received on 8/9/2025 7:50 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 1.5°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: The following samples required a dilution due to the nature of the sample matrix: BES25-19 2' (885-30633-2), BES25-20 2' (885-30633-3) and BES25-24 4.1' (885-30633-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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: Vertex

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-18 4.1'

Date Collected: 08/07/25 12:20

Date Received: 08/09/25 07:50

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30633-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/11/25 11:48	08/13/25 19:03	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/13/25 19:03	1
Method: SW846 8021B - Volat	•	. ,						
	•	ounds (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	. ,		<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 08/11/25 11:48	Analyzed 08/13/25 19:03	Dil Fac
Analyte Benzene	Result	. ,	RL		<u>D</u>	<u> </u>		Dil Fac 1 1
Analyte Benzene	Result ND	. ,	RL 0.025	mg/Kg	<u>D</u>	08/11/25 11:48	08/13/25 19:03	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND	. ,	0.025 0.050	mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48	08/13/25 19:03 08/13/25 19:03	Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/11/25 13:52	08/12/25 19:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/11/25 13:52	08/12/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/11/25 13:52	08/12/25 19:50	1

15 - 150

96

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300	60	mg/Kg		08/11/25 14:48	08/11/25 15:34	20

Eurofins Albuquerque

Job ID: 885-30633-1

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-19 2'

Date Collected: 08/07/25 12:45 Date Received: 08/09/25 07:50 Lab Sample ID: 885-30633-2

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/11/25 11:48	08/13/25 20:08	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			08/11/25 11:48	08/13/25 20:08	1
Method: SW846 8021B - Volati Analyte		ounds (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
				l loit	ь	Dropored	Analyzed	Dil Ess
					<u>D</u>	Prepared 08/11/25 11:48	Analyzed 08/13/25 20:08	Dil Fac
Analyte	Result		RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND		RL 0.025	mg/Kg	<u>D</u>	08/11/25 11:48	08/13/25 20:08	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND		0.025 0.050	mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48	08/13/25 20:08 08/13/25 20:08	Dil Fac 1 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND	Qualifier	RL 0.025 0.050 0.050	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48 08/11/25 11:48	08/13/25 20:08 08/13/25 20:08 08/13/25 20:08	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/11/25 13:52	08/12/25 20:02	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	153	S1+	62 - 134			08/11/25 13:52	08/12/25 20:02	1

	metriou. El A 000.0 - Amons, ion o	momatograp	'''y						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	94		60	mg/Kg		08/11/25 14:48	08/11/25 16:05	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-20 2'

Date Collected: 08/07/25 12:50 Date Received: 08/09/25 07:50

Xylenes, Total

4-Bromofluorobenzene (Surr)

Released to Imaging: 11/13/2025 8:39:02 AM

Surrogate

Lab Sample ID: 885-30633-3

08/13/25 21:14

Analyzed

08/13/25 21:14

08/11/25 11:48

Prepared

08/11/25 11:48

Matrix: Solid

Method: SW846 8015M/D - Gas	soline Range Org	anics (GRC) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	MD		5.0	mg/Kg		08/11/25 11:48	08/13/25 21:14	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/11/25 11:48	08/13/25 21:14	1
– Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/11/25 11:48	08/13/25 21:14	1
Ethylbenzene	ND		0.050	mg/Kg		08/11/25 11:48	08/13/25 21:14	1
Toluene	ND		0.050	mg/Kg		08/11/25 11:48	08/13/25 21:14	1

0.10

Limits

15 - 150

mg/Kg

ND

%Recovery Qualifier

94

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/11/25 13:52	08/12/25 20:15	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 20:15	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	145	S1+	62 - 134			08/11/25 13:52	08/12/25 20:15	

method. El A 000.0 - Allions, lon o	momatograp	· · · y						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		08/11/25 14:48	08/11/25 16:15	20

Eurofins Albuquerque

-

3

7

6

R

9

11

Dil Fac

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-21 2'

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-4 Date Collected: 08/07/25 12:55

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/11/25 11:48	08/13/25 21:35	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/11/25 11:48	08/13/25 21:35	1
- Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/11/25 11:48	08/13/25 21:35	1
Ethylbenzene	ND		0.050	mg/Kg		08/11/25 11:48	08/13/25 21:35	1
Toluene	ND		0.050	mg/Kg		08/11/25 11:48	08/13/25 21:35	1
Xylenes, Total	ND		0.099	mg/Kg		08/11/25 11:48	08/13/25 21:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/11/25 11:48	08/13/25 21:35	1
- Method: SW846 8015M/D - Die	sel Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Discal Dange Organica (C40 C20)	ND					00/44/05 40:50	00/40/05 00:07	

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		9.9	mg/Kg		08/11/25 13:52	08/12/25 20:27	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/11/25 13:52	08/12/25 20:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	123		62 - 134			08/11/25 13:52	08/12/25 20:27	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		08/11/25 14:48	08/11/25 16:26	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-22 2'

Date Received: 08/09/25 07:50

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30633-5 Date Collected: 08/07/25 13:00

%Recovery

95

Qualifier

Matrix: Solid

Prepared

08/11/25 11:48

Analyzed

08/13/25 21:57

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.0 Gasoline Range Organics ND mg/Kg 08/11/25 11:48 08/13/25 21:57 (GRO)-C6-C10 %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 08/11/25 11:48 08/13/25 21:57 4-Bromofluorobenzene (Surr) 95 15 - 150 Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier RL Unit D Dil Fac Analyte Prepared Analyzed ND 0.025 08/11/25 11:48 08/13/25 21:57 Benzene mg/Kg Ethylbenzene ND 0.050 mg/Kg 08/11/25 11:48 08/13/25 21:57 Toluene ND 0.050 08/11/25 11:48 08/13/25 21:57 mg/Kg Xylenes, Total ND 0.10 mg/Kg 08/11/25 11:48 08/13/25 21:57

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/11/25 13:52	08/12/25 20:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			08/11/25 13:52	08/12/25 20:39	

Limits

15 - 150

motilodi El A 000.0 Amono, ion o	momutograp	,						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		08/11/25 14:48	08/11/25 16:36	20

Dil Fac

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-23 2'

Lab Sample ID: 885-30633-6

Date Collected: 08/07/25 13:05 Matrix: Solid Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/11/25 11:48	08/13/25 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/13/25 22:19	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/11/25 11:48	08/13/25 22:19	1
Ethylbenzene	ND		0.047	mg/Kg		08/11/25 11:48	08/13/25 22:19	1
Toluene	ND		0.047	mg/Kg		08/11/25 11:48	08/13/25 22:19	1
Xylenes, Total	ND		0.093	mg/Kg		08/11/25 11:48	08/13/25 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/11/25 11:48	08/13/25 22:19	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		10	mg/Kg		08/11/25 13:52	08/12/25 20:52	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 20:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	116		62 - 134			08/11/25 13:52	08/12/25 20:52	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		08/11/25 14:48	08/11/25 16:46	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-24 4.1'

Date Received: 08/09/25 07:50

Xylenes, Total

Lab Sample ID: 885-30633-7 Date Collected: 08/07/25 13:50

ND

Matrix: Solid

08/13/25 22:40

08/11/25 11:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/11/25 11:48	08/13/25 22:40	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			08/11/25 11:48	08/13/25 22:40	1
Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Mothiod: Offoro COLID Toldt					_			
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result ND	Qualifier	RL 0.024	mg/Kg	D	08/11/25 11:48	08/13/25 22:40	Dil Fac
Analyte Benzene Ethylbenzene		Qualifier			D			Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150	08/11/25 11:48	08/13/25 22:40	1
_						

0.097

mg/Kg

Method: SW846 8015M/D - Diesel			*					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/11/25 13:52	08/12/25 21:04	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/11/25 13:52	08/12/25 21:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	140	S1+	62 - 134			08/11/25 13:52	08/12/25 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	520		59	mg/Kg		08/11/25 14:48	08/11/25 17:17	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-25 4.1'

Date Collected: 08/07/25 13:55 Date Received: 08/09/25 07:50

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30633-8

Analyzed

08/13/25 23:02

Prepared

08/11/25 11:48

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/11/25 11:48	08/13/25 23:02	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati	95	ounds (GC)	15 _ 150			08/11/25 11:48	08/13/25 23:02	1
4-Bromofluorobenzene (Surr) Method: SW846 8021B - Volati Analyte	ile Organic Comp	ounds (GC)		Unit	D	08/11/25 11:48 Prepared	08/13/25 23:02 Analyzed	1 Dil Fac
Method: SW846 8021B - Volati	ile Organic Comp	• •		Unit mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8021B - Volati Analyte	ile Organic Comp	• •	RL		<u>D</u>	Prepared	Analyzed	1 Dil Fac
Method: SW846 8021B - Volati Analyte Benzene	ile Organic Comp Result ND	• •	RL 0.024	mg/Kg	<u>D</u>	Prepared 08/11/25 11:48	Analyzed 08/13/25 23:02	1 Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/11/25 13:52	08/12/25 21:16	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/11/25 13:52	08/12/25 21:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	130		62 - 134			08/11/25 13:52	08/12/25 21:16	1

Limits

15 - 150

%Recovery Qualifier

94

metriod. El A 000.0 - Amoria, ion o	moniatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700	60	mg/Kg		08/11/25 14:48	08/11/25 17:28	20

Eurofins Albuquerque

Released to Imaging: 11/13/2025 8:39:02 AM

2

3

5

7

9

10

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-26 4.1'

Date Collected: 08/07/25 14:00 Date Received: 08/09/25 07:50

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30633-9

08/13/25 23:24

08/11/25 11:48

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/11/25 11:48	08/13/25 23:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1.5 (0.1)			15 150			00////05 // 10	00//0/05 00 0/	

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/11/25 11:48	08/13/25 23:24	1
Method: SW846 8021B - Volat	tile Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/11/25 11:48	08/13/25 23:24	1
Ethylbenzene	ND		0.047	mg/Kg		08/11/25 11:48	08/13/25 23:24	1
Toluene	ND		0.047	mg/Kg		08/11/25 11:48	08/13/25 23:24	1
Xylenes, Total	ND		0.094	mg/Kg		08/11/25 11:48	08/13/25 23:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/11/25 13:52	08/12/25 14:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/11/25 13:52	08/12/25 14:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			08/11/25 13:52	08/12/25 14:40	1

15 - 150

97

Welliou. EPA 300.0 - Allions, lon C	ilioillatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	720	59	mg/Kg		08/11/25 14:48	08/11/25 17:38	20

Eurofins Albuquerque

3

5

7

10

11

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-27 4.1'

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID: 885-30633-10

Matrix: Solid

Date Collected: 08/07/25 14:05 Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/11/25 11:48	08/13/25 23:45	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/11/25 11:48	08/13/25 23:45	1
Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	MD		0.024	mg/Kg		08/11/25 11:48	08/13/25 23:45	1
Ethylbenzene	ND		0.047	mg/Kg		08/11/25 11:48	08/13/25 23:45	1
Toluene	ND		0.047	mg/Kg		08/11/25 11:48	08/13/25 23:45	1
Xylenes, Total	ND		0.095	mg/Kg		08/11/25 11:48	08/13/25 23:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/11/25 11:48	08/13/25 23:45	1
Method: SW846 8015M/D - Dies	sel Range Organ	ics (DRO) (GC)					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	-	9.9	mg/Kg		08/11/25 13:52	08/12/25 15:04	

Motor Oil Range Organics [C28-C40]	ND	49	mg/Kg	08/11/25 13:52	08/12/25 15:04	1
Surrogate Di-n-octyl phthalate (Surr)	%Recovery Qualifier	62 - 134		Prepared 08/11/25 13:52	Analyzed 08/12/25 15:04	Dil Fac
Method: EPA 300.0 - Anions, Ion	Chromatography					

metriod. El A 000.0 - Amoria, ion o	momatograp	'iiy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		08/11/25 14:48	08/11/25 17:48	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-28 4.1'

Lab Sample ID: 885-30633-11 Date Collected: 08/07/25 14:10

Matrix: Solid

Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/11/25 11:48	08/14/25 00:29	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/11/25 11:48	08/14/25 00:29	1
Method: SW846 8021B - Volatile	e Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/11/25 11:48	08/14/25 00:29	1
Ethylbenzene	ND		0.050	mg/Kg		08/11/25 11:48	08/14/25 00:29	1
Toluene	ND		0.050	mg/Kg		08/11/25 11:48	08/14/25 00:29	1
Xylenes, Total	ND		0.10	mg/Kg		08/11/25 11:48	08/14/25 00:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/11/25 11:48	08/14/25 00:29	1
- Method: SW846 8015M/D - Dies	sel Range Organ	ics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	ma/Ka		08/11/25 13:52	08/12/25 15:27	

Di-n-octyl phthalate (Surr)	97	62 - 134		08/11/25 13:52	08/12/25 15:27	1	
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac	
Motor Oil Range Organics [C28-C40]	ND	50	mg/Kg	08/11/25 13:52	08/12/25 15:27	1	
Diesel Range Organics [C10-C28]	ND	10	mg/Kg	08/11/25 13:52	08/12/25 15:27	1	

	Di-n-octyl phthalate (Surr)	97	62 - 134	08/11/25 13:52	08/12/25 15:27	1
Ì	_					

Wethou. EPA 300.0 - Amons, for C	nromatograpny						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	930	60	mg/Kg		08/11/25 14:48	08/11/25 17:59	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-29 4.1'

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID: 885-30633-12

Date Collected: 08/07/25 14:15 Matrix: Solid Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/11/25 11:48	08/14/25 00:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			08/11/25 11:48	08/14/25 00:51	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/11/25 11:48	08/14/25 00:51	1
Ethylbenzene	ND		0.049	mg/Kg		08/11/25 11:48	08/14/25 00:51	1
Toluene	ND		0.049	mg/Kg		08/11/25 11:48	08/14/25 00:51	1
Xylenes, Total	ND		0.097	mg/Kg		08/11/25 11:48	08/14/25 00:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			08/11/25 11:48	08/14/25 00:51	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		9.9	mg/Kg		08/11/25 13:52	08/12/25 17:49	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 17:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	121		62 - 134			08/11/25 13:52	08/12/25 17:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
raidiyto								

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-13 0-4.1'

Lab Sample ID: 885-30633-13 Date Collected: 08/07/25 12:25

Matrix: Solid Date Received: 08/09/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac 4.9 08/14/25 01:13 Gasoline Range Organics ND mg/Kg 08/11/25 11:48 (GRO)-C6-C10 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 08/11/25 11:48 08/14/25 01:13 4-Bromofluorobenzene (Surr) 100 15 - 150 Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier RL Unit D Dil Fac Analyte Prepared Analyzed ND Benzene 0.025 08/11/25 11:48 08/14/25 01:13 mg/Kg Ethylbenzene ND 0.049 mg/Kg 08/11/25 11:48 08/14/25 01:13 Toluene ND 0.049 08/11/25 11:48 08/14/25 01:13 mg/Kg Xylenes, Total ND 0.098 mg/Kg 08/11/25 11:48 08/14/25 01:13 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 100 15 - 150 08/11/25 11:48 08/14/25 01:13

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/11/25 13:52	08/12/25 18:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/11/25 13:52	08/12/25 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	119		62 - 134			08/11/25 13:52	08/12/25 18:12	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300	60	mg/Kg		08/11/25 15:31	08/11/25 16:34	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-14 0-4.1'

Lab Sample ID: 885-30633-14 Date Collected: 08/07/25 12:30

Matrix: Solid

Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/11/25 11:48	08/14/25 01:35	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/14/25 01:35	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/11/25 11:48	08/14/25 01:35	1
Ethylbenzene	ND		0.049	mg/Kg		08/11/25 11:48	08/14/25 01:35	1
Toluene	ND		0.049	mg/Kg		08/11/25 11:48	08/14/25 01:35	1
Xylenes, Total	ND		0.098	mg/Kg		08/11/25 11:48	08/14/25 01:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/14/25 01:35	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		10	mg/Kg		08/11/25 13:52	08/12/25 15:40	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 15:40	1

Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	118	62 - 134		08/11/25 13:52	08/12/25 15:40	1
Method: EPA 300.0 - Anions, Ion C	hromatography					
Δnalvto	Result Qualifier	RI	Unit) Propared	Analyzed	Dil Fac

Welliou. EPA 300.0 - Allions, Ion C	inomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220	60	mg/Kg		08/11/25 15:31	08/11/25 16:48	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-15 0-2'

Lab Sample ID: 885-30633-15 Date Collected: 08/07/25 12:35

%Recovery Qualifier

95

Matrix: Solid

Prepared

08/11/25 11:48

Analyzed

08/14/25 01:56

Date Received: 08/09/25 07:50

Surrogate

4-Bromofluorobenzene (Surr)

Released to Imaging: 11/13/2025 8:39:02 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/11/25 11:48	08/14/25 01:56	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		45 450			00////05 // 10	00/44/05 04-50	
- -		. (00)	15 - 150			08/11/25 11:48	08/14/25 01:56	7
Method: SW846 8021B - Volati Analyte	ile Organic Comp	ounds (GC) Qualifier		Unit	D	08/11/25 11:48 Prepared	08/14/25 01:56	Dil Fac
Method: SW846 8021B - Volat	ile Organic Comp			Unit mg/Kg	D			Dil Fac
Method: SW846 8021B - Volat Analyte	ile Organic Comp		RL		<u>D</u>	Prepared	Analyzed	Dil Fac 1 1
Method: SW846 8021B - Volat Analyte Benzene	ile Organic Comp Result ND		RL 0.024	mg/Kg	<u>D</u>	Prepared 08/11/25 11:48	Analyzed 08/14/25 01:56	Dil Fac 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/11/25 13:52	08/12/25 15:51	
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/11/25 13:52	08/12/25 15:51	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	87		62 - 134			08/11/25 13:52	08/12/25 15:51	

Limits

15 - 150

mothod: El A 000.0 Amono, ion o	omatograpii	• •						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76		60	mg/Kg		08/11/25 15:31	08/12/25 16:38	20

Eurofins Albuquerque

Dil Fac

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-16 0-2'

Lab Sample ID: 885-30633-16 Date Collected: 08/07/25 12:40

Matrix: Solid

Date	Received:	08/09/25	07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	MD		4.8	mg/Kg		08/11/25 11:48	08/14/25 02:18	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/11/25 11:48	08/14/25 02:18	1
Method: SW846 8021B - Volati Analyte		ounds (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result		RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND		RL 0.024	mg/Kg	<u>D</u>	08/11/25 11:48	08/14/25 02:18	Dil Fac
Analyte Benzene Ethylbenzene	Result ND ND		0.024 0.048	mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48	08/14/25 02:18 08/14/25 02:18	Dil Fac
Analyte Benzene	Result ND		RL 0.024	mg/Kg	<u>D</u>	08/11/25 11:48	08/14/25 02:18	Dil Fac 1 1
Analyte Benzene Ethylbenzene	Result ND ND		0.024 0.048	mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48	08/14/25 02:18 08/14/25 02:18	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND	Qualifier	RL 0.024 0.048 0.048	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48 08/11/25 11:48	08/14/25 02:18 08/14/25 02:18 08/14/25 02:18	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/11/25 13:52	08/12/25 16:02	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	133		62 - 134			08/11/25 13:52	08/12/25 16:02	1

Method. LFA 300.0 - Allions, lon C	inomatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73	60	mg/Kg		08/11/25 15:31	08/11/25 17:15	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-17 0-4.1'

Released to Imaging: 11/13/2025 8:39:02 AM

Cilent Sample ID. WES25-17 0-4.1

Date Collected: 08/07/25 13:15
Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-17 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/11/25 11:48	08/14/25 02:40	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/14/25 02:40	1
Method: SW846 8021B - Volati Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Analyte	•			Unit mg/Kg	<u>D</u>	Prepared 08/11/25 11:48	Analyzed 08/14/25 02:40	Dil Fac
Analyte Benzene	Result		RL		<u>D</u>			Dil Fac
Analyte Benzene Ethylbenzene	Result ND		RL 0.024	mg/Kg	<u>D</u>	08/11/25 11:48	08/14/25 02:40	1 1 1
	Result ND ND		0.024 0.048	mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48	08/14/25 02:40 08/14/25 02:40	1 1 1
Analyte Benzene Ethylbenzene Toluene	Result ND ND ND	Qualifier	RL 0.024 0.048 0.048	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/11/25 11:48 08/11/25 11:48 08/11/25 11:48	08/14/25 02:40 08/14/25 02:40 08/14/25 02:40	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/11/25 13:52	08/12/25 16:13	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/11/25 13:52	08/12/25 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			08/11/25 13:52	08/12/25 16:13	1

metriod. El A 000.0 - Arrioris, for or	metrod. El A 000.0 - Anions, for onionatography								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	130		60	mg/Kg		08/11/25 15:31	08/11/25 17:29	20	

2

3

Λ

5

9

10

11

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Method: EPA 300.0 - Anions, Ion Chromatography

Released to Imaging: 11/13/2025 8:39:02 AM

Result Qualifier

160

Analyte

Chloride

Client Sample ID: WES25-18 0-4.1'

Lab Sample ID: 885-30633-18 Date Collected: 08/07/25 13:20

Matrix: Solid

Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/11/25 11:48	08/14/25 03:02	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/11/25 11:48	08/14/25 03:02	1
- Method: SW846 8021B - Volatile (Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/11/25 11:48	08/14/25 03:02	1
Ethylbenzene	ND		0.047	mg/Kg		08/11/25 11:48	08/14/25 03:02	1
Toluene	ND		0.047	mg/Kg		08/11/25 11:48	08/14/25 03:02	1
Xylenes, Total	ND		0.093	mg/Kg		08/11/25 11:48	08/14/25 03:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/14/25 03:02	1
- Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/11/25 13:52	08/12/25 16:24	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	68		62 - 134			08/11/25 13:52	08/12/25 16:24	

RL

60

Unit

mg/Kg

Prepared

08/11/25 15:31

Analyzed

08/11/25 17:42

Dil Fac

20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-19 0-4.1'

Lab Sample ID: 885-30633-19 Date Collected: 08/07/25 13:25

Matrix: Solid

Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/11/25 11:48	08/14/25 03:24	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			08/11/25 11:48	08/14/25 03:24	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/11/25 11:48	08/14/25 03:24	1
Ethylbenzene	ND		0.048	mg/Kg		08/11/25 11:48	08/14/25 03:24	1
Toluene	ND		0.048	mg/Kg		08/11/25 11:48	08/14/25 03:24	1
Xylenes, Total	ND		0.097	mg/Kg		08/11/25 11:48	08/14/25 03:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/11/25 11:48	08/14/25 03:24	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		10	mg/Kg		08/11/25 13:52	08/12/25 16:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			08/11/25 13:52	08/12/25 16:35	

RL

60

Unit

mg/Kg

Prepared

08/12/25 11:13

Result Qualifier

180

Eurofins Albuquerque

Dil Fac

Analyzed 08/12/25 15:16

Released to Imaging: 11/13/2025 8:39:02 AM

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-20 0-4.1'

Lab Sample ID: 885-30633-20

Date Collected: 08/07/25 13:30 Matrix: Solid Date Received: 08/09/25 07:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/11/25 11:48	08/14/25 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/11/25 11:48	08/14/25 03:45	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/11/25 11:48	08/14/25 03:45	1
Ethylbenzene	ND		0.047	mg/Kg		08/11/25 11:48	08/14/25 03:45	1
Toluene	ND		0.047	mg/Kg		08/11/25 11:48	08/14/25 03:45	1
Xylenes, Total	ND		0.094	mg/Kg		08/11/25 11:48	08/14/25 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/11/25 11:48	08/14/25 03:45	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		10	mg/Kg		08/11/25 13:52	08/12/25 16:46	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/11/25 13:52	08/12/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	120		62 - 134			08/11/25 13:52	08/12/25 16:46	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		08/12/25 11:13	08/12/25 15:30	20

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-21 0-4.1'

Lab Sample ID: 885-30633-21 Date Collected: 08/07/25 13:35

Matrix: Solid

Date Received: 08/09/25 07:50

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/12/25 10:30	08/13/25 15:03	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/12/25 10:30	08/13/25 15:03	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/12/25 10:30	08/13/25 15:03	1
Ethylbenzene	ND		0.050	mg/Kg		08/12/25 10:30	08/13/25 15:03	1
Toluene	ND		0.050	mg/Kg		08/12/25 10:30	08/13/25 15:03	1
Xylenes, Total	ND		0.10	mg/Kg		08/12/25 10:30	08/13/25 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/12/25 10:30	08/13/25 15:03	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		10	mg/Kg		08/12/25 12:26	08/13/25 13:43	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/12/25 12:26	08/13/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/12/25 12:26	08/13/25 13:43	1

RL

60

Unit

mg/Kg

Prepared

08/13/25 09:16

Analyzed

08/13/25 11:50

Dil Fac

20

Result Qualifier

160

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: WES25-22 0-4.1'

Lab Sample ID: 885-30633-22 Date Collected: 08/07/25 13:40

Matrix: Solid

Analyzed

08/13/25 14:07

Prepared

08/12/25 12:26

Date Received: 08/09/25 07:50

Surrogate

Di-n-octyl phthalate (Surr)

ganics (GRC	O) (GC)					
t Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<u> </u>	5.0	mg/Kg		08/12/25 10:30	08/13/25 15:24	1
y Qualifier	Limits			Prepared	Analyzed	Dil Fac
8	15 _ 150			08/12/25 10:30	08/13/25 15:24	1
pounds (GC)					
t Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<u> </u>	0.025	mg/Kg		08/12/25 10:30	08/13/25 15:24	1
)	0.050	mg/Kg		08/12/25 10:30	08/13/25 15:24	1
)	0.050	mg/Kg		08/12/25 10:30	08/13/25 15:24	1
)	0.10	mg/Kg		08/12/25 10:30	08/13/25 15:24	1
y Qualifier	Limits			Prepared	Analyzed	Dil Fac
7	15 - 150			08/12/25 10:30	08/13/25 15:24	1
nics (DRO) (GC)					
	RL	Unit	D	Prepared	Analyzed	Dil Fac
<u> </u>	9.9	mg/Kg		08/12/25 12:26	08/13/25 14:07	1
)	49	mg/Kg		08/12/25 12:26	08/13/25 14:07	1
	upounds (GC) lt Qualifier D Qualifier Qualifier Qualifier Qualifier Qualifier Qualifier	Qualifier Limits	No. No.	No. No.	No. No.	No. No.

Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		08/13/25 09:16	08/13/25 12:19	20

Limits

62 - 134

%Recovery Qualifier

86

Eurofins Albuquerque

Dil Fac

Prep Batch: 31978

Client Sample ID: BES25-18 4.1'

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-31978/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 32258

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 mg/Kg 08/11/25 11:48 08/13/25 18:41

(GRO)-C6-C10

MB MB %Recovery Limits Qualifier Prepared Dil Fac Surrogate Analyzed 08/11/25 11:48 15 - 150 08/13/25 18:41 4-Bromofluorobenzene (Surr) 99

Lab Sample ID: LCS 885-31978/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 32258

Prep Batch: 31978 Spike LCS LCS babbA Result Qualifier Limits Unit D %Rec 25.0 21.2 mg/Kg 85 70 - 130

Gasoline Range Organics (GRO)-C6-C10

Analyte

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 207 15 - 150

Lab Sample ID: 885-30633-1 MS

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 32258** Prep Batch: 31978

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits ND 25.0 22.2 89 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 211 15 - 150

Lab Sample ID: 885-30633-1 MSD

Client Sample ID: BES25-18 4.1' Matrix: Solid Prep Type: Total/NA **Analysis Batch: 32258** Prep Batch: 31978

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 70 - 130 Gasoline Range Organics ND 24.9 22.3 mg/Kg 90

(GRO)-C6-C10

MSD MSD

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 210 15 - 150

Lab Sample ID: MB 885-32094/1-A

Released to Imaging: 11/13/2025 8:39:02 AM

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 32249** Prep Batch: 32094

MB MB

Result Qualifier Unit Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 08/12/25 10:30 08/13/25 14:19 mg/Kg

(GRO)-C6-C10

Eurofins Albuquerque

Client Sample ID: Method Blank

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Matrix: Solid

Analysis Batch: 32249

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

Prep Batch: 32094

Limits

MB MB

Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 08/12/25 10:30 4-Bromofluorobenzene (Surr) 101 15 - 150 08/13/25 14:19

Lab Sample ID: LCS 885-32094/2-A

Lab Sample ID: MB 885-32094/1-A

Matrix: Solid

Analysis Batch: 32249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 32094

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 22 2 mg/Kg 89 70 - 130

(GRO)-C6-C10

LCS LCS

Limits Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 214 15 - 150

Lab Sample ID: 885-30633-21 MS Client Sample ID: WES25-21 0-4.1'

Matrix: Solid

Analysis Batch: 32249

Prep Type: Total/NA

Prep Batch: 32094

Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics ND 24.9 23.1 mg/Kg 93 70 - 130

(GRO)-C6-C10

MS MS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 223 15 - 150

Lab Sample ID: 885-30633-21 MSD

Matrix: Solid

Analysis Batch: 32249

Client Sample ID: WES25-21 0-4.1'

Prep Type: Total/NA

Prep Batch: 32094 RPD

MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics ND 24.9 22.1 mg/Kg 89 70 - 130

(GRO)-C6-C10

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 214 15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-31978/1-A

Matrix: Solid

Analysis Batch: 32257

Released to Imaging: 11/13/2025 8:39:02 AM

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

Prep Batch: 31978

	MB	MB MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	ND		0.025	mg/Kg		08/11/25 11:48	08/13/25 18:41	1		
Ethylbenzene	ND		0.050	mg/Kg		08/11/25 11:48	08/13/25 18:41	1		
Toluene	ND		0.050	mg/Kg		08/11/25 11:48	08/13/25 18:41	1		
Xylenes, Total	ND		0.10	mg/Kg		08/11/25 11:48	08/13/25 18:41	1		

Client: Vertex

Project/Site: Hackberry 18 Federal #002 Battery

Job ID: 885-30633-1

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

Lab Sample ID: MB 885-31978/1-A

Matrix: Solid

Analysis Batch: 32257

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31978

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 97 15 - 150 08/11/25 11:48 08/13/25 18:41

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31978

Lab Sample ID: LCS 885-31978/3-A **Matrix: Solid Analysis Batch: 32257**

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Benzene 1.00 1.03 mg/Kg 103 70 - 130 1.00 Ethylbenzene 1.03 103 70 - 130 mg/Kg m-Xylene & p-Xylene 2.00 2.05 mg/Kg 103 70 - 130 o-Xylene 1.00 1.03 mg/Kg 103 70 - 130 Toluene 1.00 1.01 mg/Kg 101 70 - 130

LCS LCS

MS MS

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

Lab Sample ID: 885-30633-2 MS Client Sample ID: BES25-19 2'

Matrix: Solid

Analysis Batch: 32257

Prep Type: Total/NA

Prep Batch: 31978

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.994	1.05		mg/Kg		106	70 - 130	
Ethylbenzene	ND		0.994	1.05		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	ND		1.99	2.11		mg/Kg		106	70 - 130	
o-Xylene	ND		0.994	1.06		mg/Kg		106	70 - 130	
Toluene	ND		0.994	1.04		mg/Kg		104	70 - 130	

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

Lab Sample ID: 885-30633-2 MSD

Matrix: Solid

Analysis Batch: 32257

Client Sample ID: BES25-19 2'

Prep Type: Total/NA Prep Batch: 31978

MSD MSD RPD Sample Spike %Rec Sample Qualifier Analyte Result Added Result Qualifier Unit %Rec Limits **RPD** Limit ND 0.998 Benzene 1.10 110 70 - 130 4 20 mg/Kg ND 0.998 70 - 130 Ethylbenzene 1.09 mg/Kg 109 4 20 ND 70 - 130 m-Xylene & p-Xylene 2.00 2.19 mg/Kg 110 3 20 o-Xylene ND 0.998 1 09 mg/Kg 109 70 - 130 3 20 Toluene ND 0.998 1.07 mg/Kg 107 70 - 130 20

MSD MSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 15 - 150 97

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-32094/1-A **Matrix: Solid**

Analysis Batch: 32256

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 32094

ı		MB	мв						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	ND		0.025	mg/Kg		08/12/25 10:30	08/13/25 14:19	1
	Ethylbenzene	ND		0.050	mg/Kg		08/12/25 10:30	08/13/25 14:19	1
	Toluene	ND		0.050	mg/Kg		08/12/25 10:30	08/13/25 14:19	1
	Xylenes, Total	ND		0.10	mg/Kg		08/12/25 10:30	08/13/25 14:19	1
ı									

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99	15 - 150	08/12/25 10:30	08/13/25 14:19	1

Lab Sample ID: LCS 885-32094/3-A

Analysis Batch: 32256

Matrix: Solid

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32094

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	0.990	-	mg/Kg		99	70 - 130	
Ethylbenzene	1.00	0.981		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	2.00	1.95		mg/Kg		98	70 - 130	
o-Xylene	1.00	0.969		mg/Kg		97	70 - 130	
Toluene	1.00	0.973		mg/Kg		97	70 - 130	

LCS LCS

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	99	15 - 150

Lab Sample ID: 885-30633-22 MS

Matrix: Solid

Analysis Batch: 32256

Client Sample ID: WES25-22 0-4.1'

Prep Type: Total/NA

Prep Batch: 32094

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
ND		0.994	0.971		mg/Kg		98	70 - 130	
ND		0.994	0.982		mg/Kg		99	70 - 130	
ND		1.99	1.96		mg/Kg		99	70 - 130	
ND		0.994	0.978		mg/Kg		98	70 - 130	
ND		0.994	0.969		mg/Kg		97	70 - 130	
	Result ND ND ND ND	ND ND ND	Result Qualifier Added ND 0.994 ND 0.994 ND 1.99 ND 0.994	Result Qualifier Added Result ND 0.994 0.971 ND 0.994 0.982 ND 1.99 1.96 ND 0.994 0.978	Result Qualifier Added Result Qualifier ND 0.994 0.971 ND 0.994 0.982 ND 1.99 1.96 ND 0.994 0.978	Result Qualifier Added Result Qualifier Unit ND 0.994 0.971 mg/Kg ND 0.994 0.982 mg/Kg ND 1.99 1.96 mg/Kg ND 0.994 0.978 mg/Kg	Result Qualifier Added Result Qualifier Unit D ND 0.994 0.971 mg/Kg mg/Kg ND 0.994 0.982 mg/Kg ND 1.99 1.96 mg/Kg ND 0.994 0.978 mg/Kg	Result Qualifier Added Result Qualifier Unit D %Rec ND 0.994 0.971 mg/Kg 98 ND 0.994 0.982 mg/Kg 99 ND 1.99 1.96 mg/Kg 99 ND 0.994 0.978 mg/Kg 98	Result Qualifier Added Added Result Qualifier Unit Unit Unit Unit Unit Unit Unit Unit

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

Lab Sample ID: 885-30633-22 MSD

Matrix: Solid

Analysis Batch: 32256

Client Sample ID: WES25-22 0-4.1'

Prep Type: Total/NA

Prep Batch: 32094

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.995	1.09		mg/Kg		110	70 - 130	12	20
Ethylbenzene	ND		0.995	1.09		mg/Kg		110	70 - 130	10	20
m-Xylene & p-Xylene	ND		1.99	2.20		mg/Kg		111	70 - 130	12	20
o-Xylene	ND		0.995	1.08		mg/Kg		109	70 - 130	10	20
Toluene	ND		0.995	1.08		mg/Kg		109	70 - 130	11	20

Lab Sample ID: 885-30633-22 MSD

Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Matrix: Solid

Client: Vertex

Surrogate

Analysis Batch: 32256

4-Bromofluorobenzene (Surr)

Diesel Range Organics

[C10-C28]

[C10-C28]

[C10-C28]

MSD MSD

%Recovery Qualifier Limits 100 15 - 150 Client Sample ID: WES25-22 0-4.1'

Prep Type: Total/NA

Prep Batch: 32094

mg/Kg

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

Lab Sample ID: MB 885-32008/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 32066 Prep Batch: 32008

MB MB Result Qualifier RLUnit D Prepared Dil Fac Analyte Analyzed Diesel Range Organics [C10-C28] 08/11/25 13:52 ND 10 mg/Kg 08/12/25 14:56 Motor Oil Range Organics [C28-C40] ND 50 08/11/25 13:52 08/12/25 14:56 mg/Kg MB MB

Limits Qualifier Dil Fac Surrogate %Recovery Prepared Analyzed 08/11/25 13:52 Di-n-octyl phthalate (Surr) 115 62 - 134 08/12/25 14:56

Lab Sample ID: LCS 885-32008/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 32066** Prep Batch: 32008

53.5

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits

50.0

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 117 62 - 134

Lab Sample ID: 885-30633-20 MS Client Sample ID: WES25-20 0-4.1'

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 32065** Prep Batch: 32008

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Diesel Range Organics ND 49.7 45.6 mg/Kg 92 44 - 136

MS MS

%Recovery Surrogate Qualifier Limits Di-n-octyl phthalate (Surr) 97 62 - 134

Lab Sample ID: 885-30633-20 MSD Client Sample ID: WES25-20 0-4.1'

Matrix: Solid Analysis Batch: 32065

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Diesel Range Organics ND 49.4 56.6 115 44 - 136 32 mg/Kg

MSD MSD

%Recovery Qualifier Limits Surrogate Di-n-octyl phthalate (Surr) 121 62 - 134

107

51 - 148

Prep Type: Total/NA

Prep Batch: 32008 RPD

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32115

Prep Batch: 32115

Prep Type: Total/NA

Prep Batch: 31961

Prep Batch: 31961

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 31973

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-32115/1-A **Matrix: Solid**

Analysis Batch: 32208

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/12/25 12:26	08/13/25 10:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/12/25 12:26	08/13/25 10:35	1

MB MB

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed Di-n-octyl phthalate (Surr) 86 62 - 134 08/12/25 12:26 08/13/25 10:35

Lab Sample ID: LCS 885-32115/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 32208

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits **Diesel Range Organics** 50.0 44.7 89 51 - 148 mg/Kg

[C10-C28]

LCS LCS

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-31961/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 31965

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed

Dil Fac Chloride ND 1.5 mg/Kg 08/11/25 10:05 08/11/25 11:07

Lab Sample ID: LCS 885-31961/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 31965

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits

Chloride 15.0 96 90 - 110 14.4 mg/Kg

Lab Sample ID: MB 885-31973/1-A

Matrix: Solid

Analysis Batch: 31980

мв мв

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride ND 1.5 mg/Kg 08/11/25 11:14 08/11/25 12:11

Lab Sample ID: LCS 885-31973/2-A

Matrix: Solid Analysis Databy 24000

Analysis Batch: 31980							Prep Batch: 31973	3
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	15.0	15.2		mg/Kg		101	90 - 110	-

Prep Type: Total/NA

Prep Batch: 32104

Prep Batch: 32104

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 32198

Prep Batch: 32198

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-32104/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 32102

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 1.5 mg/Kg 08/12/25 11:13 08/12/25 11:48

Lab Sample ID: LCS 885-32104/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 32102

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

Lab Sample ID: MB 885-32198/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 32211

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 1.5 08/13/25 09:16 08/13/25 10:40 mg/Kg

Lab Sample ID: LCS 885-32198/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 32211

Prep Batch: 32198 LCS LCS Spike %Rec Qualifier

Analyte Added Result Unit D %Rec Limits Chloride 15.0 14.7 90 - 110 mg/Kg

Lab Sample ID: 885-30633-21 MS Client Sample ID: WES25-21 0-4.1' Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 32211

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 29.8 160 187 4 mg/Kg 96 50 - 150

Lab Sample ID: 885-30633-21 MSD Client Sample ID: WES25-21 0-4.1'

Matrix: Solid

Analysis Batch: 32211

Prep Type: Total/NA Prep Batch: 32198

Sample Sample Spike MSD MSD **RPD** Added Result Qualifier Qualifier RPD Limit Analyte Result Unit D %Rec Limits Chloride 160 30.1 192 4 mg/Kg 110 50 - 150 20

QC Association Summary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA

Prep Batch: 31978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-1	BES25-18 4.1'	Total/NA	Solid	5030C	
885-30633-2	BES25-19 2'	Total/NA	Solid	5030C	
885-30633-3	BES25-20 2'	Total/NA	Solid	5030C	
885-30633-4	BES25-21 2'	Total/NA	Solid	5030C	
885-30633-5	BES25-22 2'	Total/NA	Solid	5030C	
885-30633-6	BES25-23 2'	Total/NA	Solid	5030C	
885-30633-7	BES25-24 4.1'	Total/NA	Solid	5030C	
885-30633-8	BES25-25 4.1'	Total/NA	Solid	5030C	
885-30633-9	BES25-26 4.1'	Total/NA	Solid	5030C	
885-30633-10	BES25-27 4.1'	Total/NA	Solid	5030C	
885-30633-11	BES25-28 4.1'	Total/NA	Solid	5030C	
885-30633-12	BES25-29 4.1'	Total/NA	Solid	5030C	
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	5030C	
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	5030C	
885-30633-15	WES25-15 0-2'	Total/NA	Solid	5030C	
885-30633-16	WES25-16 0-2'	Total/NA	Solid	5030C	
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	5030C	
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	5030C	
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	5030C	
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	5030C	
MB 885-31978/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-31978/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-31978/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-30633-1 MS	BES25-18 4.1'	Total/NA	Solid	5030C	
885-30633-1 MSD	BES25-18 4.1'	Total/NA	Solid	5030C	
885-30633-2 MS	BES25-19 2'	Total/NA	Solid	5030C	
885-30633-2 MSD	BES25-19 2'	Total/NA	Solid	5030C	

Prep Batch: 32094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-30633-21	WES25-21 0-4.1'	Total/NA	Solid	5030C	
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	5030C	
MB 885-32094/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-32094/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-32094/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-30633-21 MS	WES25-21 0-4.1'	Total/NA	Solid	5030C	
885-30633-21 MSD	WES25-21 0-4.1'	Total/NA	Solid	5030C	
885-30633-22 MS	WES25-22 0-4.1'	Total/NA	Solid	5030C	
885-30633-22 MSD	WES25-22 0-4.1'	Total/NA	Solid	5030C	

Analysis Batch: 32249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-21	WES25-21 0-4.1'	Total/NA	Solid	8015M/D	32094
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	8015M/D	32094
MB 885-32094/1-A	Method Blank	Total/NA	Solid	8015M/D	32094
LCS 885-32094/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32094
885-30633-21 MS	WES25-21 0-4.1'	Total/NA	Solid	8015M/D	32094
885-30633-21 MSD	WES25-21 0-4.1'	Total/NA	Solid	8015M/D	32094

Eurofins Albuquerque

2

3

4

_

8

9

10

11

QC Association Summary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA

Analysis Batch: 32256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-21	WES25-21 0-4.1'	Total/NA	Solid	8021B	32094
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	8021B	32094
MB 885-32094/1-A	Method Blank	Total/NA	Solid	8021B	32094
LCS 885-32094/3-A	Lab Control Sample	Total/NA	Solid	8021B	32094
885-30633-22 MS	WES25-22 0-4.1'	Total/NA	Solid	8021B	32094
885-30633-22 MSD	WES25-22 0-4.1'	Total/NA	Solid	8021B	32094

Analysis Batch: 32257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-1	BES25-18 4.1'	Total/NA	Solid	8021B	31978
885-30633-2	BES25-19 2'	Total/NA	Solid	8021B	31978
885-30633-3	BES25-20 2'	Total/NA	Solid	8021B	31978
885-30633-4	BES25-21 2'	Total/NA	Solid	8021B	31978
885-30633-5	BES25-22 2'	Total/NA	Solid	8021B	31978
885-30633-6	BES25-23 2'	Total/NA	Solid	8021B	31978
885-30633-7	BES25-24 4.1'	Total/NA	Solid	8021B	31978
885-30633-8	BES25-25 4.1'	Total/NA	Solid	8021B	31978
885-30633-9	BES25-26 4.1'	Total/NA	Solid	8021B	31978
885-30633-10	BES25-27 4.1'	Total/NA	Solid	8021B	31978
885-30633-11	BES25-28 4.1'	Total/NA	Solid	8021B	31978
885-30633-12	BES25-29 4.1'	Total/NA	Solid	8021B	31978
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	8021B	31978
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	8021B	31978
885-30633-15	WES25-15 0-2'	Total/NA	Solid	8021B	31978
885-30633-16	WES25-16 0-2'	Total/NA	Solid	8021B	31978
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	8021B	31978
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	8021B	31978
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	8021B	31978
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	8021B	31978
MB 885-31978/1-A	Method Blank	Total/NA	Solid	8021B	31978
LCS 885-31978/3-A	Lab Control Sample	Total/NA	Solid	8021B	31978
885-30633-2 MS	BES25-19 2'	Total/NA	Solid	8021B	31978
885-30633-2 MSD	BES25-19 2'	Total/NA	Solid	8021B	31978

Analysis Batch: 32258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-30633-1	BES25-18 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-2	BES25-19 2'	Total/NA	Solid	8015M/D	31978
885-30633-3	BES25-20 2'	Total/NA	Solid	8015M/D	31978
885-30633-4	BES25-21 2'	Total/NA	Solid	8015M/D	31978
885-30633-5	BES25-22 2'	Total/NA	Solid	8015M/D	31978
885-30633-6	BES25-23 2'	Total/NA	Solid	8015M/D	31978
885-30633-7	BES25-24 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-8	BES25-25 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-9	BES25-26 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-10	BES25-27 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-11	BES25-28 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-12	BES25-29 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	8015M/D	31978
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	8015M/D	31978
885-30633-15	WES25-15 0-2'	Total/NA	Solid	8015M/D	31978

Eurofins Albuquerque

-

Δ

5

a

10

11

QC Association Summary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA (Continued)

Analysis Batch: 32258 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-16	WES25-16 0-2'	Total/NA	Solid	8015M/D	31978
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	8015M/D	31978
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	8015M/D	31978
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	8015M/D	31978
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	8015M/D	31978
MB 885-31978/1-A	Method Blank	Total/NA	Solid	8015M/D	31978
LCS 885-31978/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	31978
885-30633-1 MS	BES25-18 4.1'	Total/NA	Solid	8015M/D	31978
885-30633-1 MSD	BES25-18 4.1'	Total/NA	Solid	8015M/D	31978

GC Semi VOA

Prep Batch: 32008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-1	BES25-18 4.1'	Total/NA	Solid	SHAKE	
885-30633-2	BES25-19 2'	Total/NA	Solid	SHAKE	
885-30633-3	BES25-20 2'	Total/NA	Solid	SHAKE	
885-30633-4	BES25-21 2'	Total/NA	Solid	SHAKE	
885-30633-5	BES25-22 2'	Total/NA	Solid	SHAKE	
885-30633-6	BES25-23 2'	Total/NA	Solid	SHAKE	
885-30633-7	BES25-24 4.1'	Total/NA	Solid	SHAKE	
885-30633-8	BES25-25 4.1'	Total/NA	Solid	SHAKE	
885-30633-9	BES25-26 4.1'	Total/NA	Solid	SHAKE	
885-30633-10	BES25-27 4.1'	Total/NA	Solid	SHAKE	
885-30633-11	BES25-28 4.1'	Total/NA	Solid	SHAKE	
885-30633-12	BES25-29 4.1'	Total/NA	Solid	SHAKE	
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-15	WES25-15 0-2'	Total/NA	Solid	SHAKE	
885-30633-16	WES25-16 0-2'	Total/NA	Solid	SHAKE	
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	SHAKE	
MB 885-32008/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-32008/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-30633-20 MS	WES25-20 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-20 MSD	WES25-20 0-4.1'	Total/NA	Solid	SHAKE	

Analysis Batch: 32065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	8015M/D	32008
885-30633-15	WES25-15 0-2'	Total/NA	Solid	8015M/D	32008
885-30633-16	WES25-16 0-2'	Total/NA	Solid	8015M/D	32008
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	8015M/D	32008
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	8015M/D	32008
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	8015M/D	32008
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	8015M/D	32008
885-30633-20 MS	WES25-20 0-4.1'	Total/NA	Solid	8015M/D	32008
885-30633-20 MSD	WES25-20 0-4.1'	Total/NA	Solid	8015M/D	32008

Eurofins Albuquerque

3

4

6

9

1(

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

GC Semi VOA

Analysis Batch: 32066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-1	BES25-18 4.1'	Total/NA	Solid	8015M/D	32008
885-30633-2	BES25-19 2'	Total/NA	Solid	8015M/D	32008
885-30633-3	BES25-20 2'	Total/NA	Solid	8015M/D	32008
885-30633-4	BES25-21 2'	Total/NA	Solid	8015M/D	32008
885-30633-5	BES25-22 2'	Total/NA	Solid	8015M/D	32008
885-30633-6	BES25-23 2'	Total/NA	Solid	8015M/D	32008
885-30633-7	BES25-24 4.1'	Total/NA	Solid	8015M/D	32008
885-30633-8	BES25-25 4.1'	Total/NA	Solid	8015M/D	32008
MB 885-32008/1-A	Method Blank	Total/NA	Solid	8015M/D	32008
LCS 885-32008/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32008

Analysis Batch: 32099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-9	BES25-26 4.1'	Total/NA	Solid	8015M/D	32008
885-30633-10	BES25-27 4.1'	Total/NA	Solid	8015M/D	32008
885-30633-11	BES25-28 4.1'	Total/NA	Solid	8015M/D	32008
885-30633-12	BES25-29 4.1'	Total/NA	Solid	8015M/D	32008
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	8015M/D	32008

Prep Batch: 32115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Ba	atch
885-30633-21	WES25-21 0-4.1'	Total/NA	Solid	SHAKE	
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	SHAKE	
MB 885-32115/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-32115/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 32208

Lab Sample ID 885-30633-21	Client Sample ID WES25-21 0-4.1'	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 32115
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	8015M/D	32115
MB 885-32115/1-A	Method Blank	Total/NA	Solid	8015M/D	32115
LCS 885-32115/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32115

HPLC/IC

Prep Batch: 31961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	300_Prep	
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	300_Prep	
885-30633-15	WES25-15 0-2'	Total/NA	Solid	300_Prep	
885-30633-16	WES25-16 0-2'	Total/NA	Solid	300_Prep	
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	300_Prep	
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	300_Prep	
MB 885-31961/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-31961/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 31965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-13	WES25-13 0-4.1'	Total/NA	Solid	300.0	31961
885-30633-14	WES25-14 0-4.1'	Total/NA	Solid	300.0	31961
885-30633-16	WES25-16 0-2'	Total/NA	Solid	300.0	31961

Eurofins Albuquerque

Page 38 of 51

3

4

6

9

QC Association Summary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

HPLC/IC (Continued)

Analysis Batch: 31965 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-17	WES25-17 0-4.1'	Total/NA	Solid	300.0	31961
885-30633-18	WES25-18 0-4.1'	Total/NA	Solid	300.0	31961
MB 885-31961/1-A	Method Blank	Total/NA	Solid	300.0	31961
LCS 885-31961/2-A	Lab Control Sample	Total/NA	Solid	300.0	31961

Prep Batch: 31973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-1	BES25-18 4.1'	Total/NA	Solid	300_Prep	
885-30633-2	BES25-19 2'	Total/NA	Solid	300_Prep	
885-30633-3	BES25-20 2'	Total/NA	Solid	300_Prep	
885-30633-4	BES25-21 2'	Total/NA	Solid	300_Prep	
885-30633-5	BES25-22 2'	Total/NA	Solid	300_Prep	
885-30633-6	BES25-23 2'	Total/NA	Solid	300_Prep	
885-30633-7	BES25-24 4.1'	Total/NA	Solid	300_Prep	
885-30633-8	BES25-25 4.1'	Total/NA	Solid	300_Prep	
885-30633-9	BES25-26 4.1'	Total/NA	Solid	300_Prep	
885-30633-10	BES25-27 4.1'	Total/NA	Solid	300_Prep	
885-30633-11	BES25-28 4.1'	Total/NA	Solid	300_Prep	
885-30633-12	BES25-29 4.1'	Total/NA	Solid	300_Prep	
MB 885-31973/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-31973/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 31980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-1	BES25-18 4.1'	Total/NA	Solid	300.0	31973
885-30633-2	BES25-19 2'	Total/NA	Solid	300.0	31973
885-30633-3	BES25-20 2'	Total/NA	Solid	300.0	31973
885-30633-4	BES25-21 2'	Total/NA	Solid	300.0	31973
885-30633-5	BES25-22 2'	Total/NA	Solid	300.0	31973
885-30633-6	BES25-23 2'	Total/NA	Solid	300.0	31973
885-30633-7	BES25-24 4.1'	Total/NA	Solid	300.0	31973
885-30633-8	BES25-25 4.1'	Total/NA	Solid	300.0	31973
885-30633-9	BES25-26 4.1'	Total/NA	Solid	300.0	31973
885-30633-10	BES25-27 4.1'	Total/NA	Solid	300.0	31973
885-30633-11	BES25-28 4.1'	Total/NA	Solid	300.0	31973
885-30633-12	BES25-29 4.1'	Total/NA	Solid	300.0	31973
MB 885-31973/1-A	Method Blank	Total/NA	Solid	300.0	31973
LCS 885-31973/2-A	Lab Control Sample	Total/NA	Solid	300.0	31973

Analysis Batch: 32102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-15	WES25-15 0-2'	Total/NA	Solid	300.0	31961
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	300.0	32104
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	300.0	32104
MB 885-32104/1-A	Method Blank	Total/NA	Solid	300.0	32104
LCS 885-32104/2-A	Lab Control Sample	Total/NA	Solid	300.0	32104

Prep Batch: 32104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-19	WES25-19 0-4.1'	Total/NA	Solid	300_Prep	
885-30633-20	WES25-20 0-4.1'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

8

QC Association Summary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

HPLC/IC (Continued)

Prep Batch: 32104 (Continued)

Lab Sample ID Client Sample ID MB 885-32104/1-A Method Blank		Prep Type	Matrix	Method Prep Batch
MB 885-32104/1-A	MENION DIAIR	Total/NA	Solid	300_Prep
LCS 885-32104/2-A	Lab Control Sample	Total/NA	Solid	300_Prep

Prep Batch: 32198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-21	WES25-21 0-4.1'	Total/NA	Solid	300_Prep	
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	300_Prep	
MB 885-32198/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-32198/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-30633-21 MS	WES25-21 0-4.1'	Total/NA	Solid	300_Prep	
885-30633-21 MSD	WES25-21 0-4.1'	Total/NA	Solid	300_Prep	

Analysis Batch: 32211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30633-21	WES25-21 0-4.1'	Total/NA	Solid	300.0	32198
885-30633-22	WES25-22 0-4.1'	Total/NA	Solid	300.0	32198
MB 885-32198/1-A	Method Blank	Total/NA	Solid	300.0	32198
LCS 885-32198/2-A	Lab Control Sample	Total/NA	Solid	300.0	32198
885-30633-21 MS	WES25-21 0-4.1'	Total/NA	Solid	300.0	32198
885-30633-21 MSD	WES25-21 0-4.1'	Total/NA	Solid	300.0	32198

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-18 4.1'

Date Collected: 08/07/25 12:20 Date Received: 08/09/25 07:50

Client: Vertex

Lab Sample ID: 885-30633-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 19:03
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 19:03
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 19:50
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 15:34

Client Sample ID: BES25-19 2'

Date Collected: 08/07/25 12:45

Lab Sample ID: 885-30633-2

Matrix: Solid

Date Received: 08/09/25 07:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 20:08
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 20:08
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 20:02
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 16:05

Client Sample ID: BES25-20 2'

Date Collected: 08/07/25 12:50

Date Received: 08/09/25 07:50

ab Sample	ID: 885-30633-3
-----------	-----------------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 21:14
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 21:14
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 20:15
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 16:15

Client Sample ID: BES25-21 2'

Date Collected: 08/07/25 12:55

Date Received: 08/09/25 07:50

Lab	Sample	וח: 88	0-30633-4

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 21:35

Client: Vertex Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-21 2'

Date Collected: 08/07/25 12:55 Date Received: 08/09/25 07:50 Lab Sample ID: 885-30633-4

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 21:35
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 20:27
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 16:26

Client Sample ID: BES25-22 2'

Date Collected: 08/07/25 13:00 Date Received: 08/09/25 07:50 Lab Sample ID: 885-30633-5

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 21:57
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 21:57
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 20:39
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 16:36

Client Sample ID: BES25-23 2'

Date Collected: 08/07/25 13:05

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-6

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 22:19
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 22:19
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 20:52
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 16:46

Client Sample ID: BES25-24 4.1'

Date Collected: 08/07/25 13:50

Date Received: 08/09/25 07:50

Lab Sample ID: 88	5-30633-7
-------------------	-----------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 22:40
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 22:40

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-24 4.1'

Date Collected: 08/07/25 13:50 Date Received: 08/09/25 07:50

Client: Vertex

Lab Sample ID: 885-30633-7

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 21:04
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 17:17

Client Sample ID: BES25-25 4.1'

Date Collected: 08/07/25 13:55 Date Received: 08/09/25 07:50 Lab Sample ID: 885-30633-8

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 23:02
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 23:02
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32066	EM	EET ALB	08/12/25 21:16
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 17:28

Client Sample ID: BES25-26 4.1'

Date Collected: 08/07/25 14:00

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-9

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 23:24
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 23:24
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32099	EM	EET ALB	08/12/25 14:40
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 17:38

Client Sample ID: BES25-27 4.1'

Date Collected: 08/07/25 14:05

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-10

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/13/25 23:45
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/13/25 23:45
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32099	EM	EET ALB	08/12/25 15:04

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-27 4.1'

Date Collected: 08/07/25 14:05 Date Received: 08/09/25 07:50

Client: Vertex

Lab Sample ID: 885-30633-10

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 17:48

Client Sample ID: BES25-28 4.1'

Lab Sample ID: 885-30633-11

Matrix: Solid

Date Collected: 08/07/25 14:10 Date Received: 08/09/25 07:50

Batch Batch Dilution Batch Prepared **Prep Type** Туре Method Run Factor Number Analyst Lab or Analyzed Total/NA Prep 5030C 31978 KLS **EET ALB** 08/11/25 11:48 08/14/25 00:29 Total/NA Analysis 8015M/D 32258 AT **EET ALB** 1 Total/NA Prep 5030C 31978 KLS **EET ALB** 08/11/25 11:48 8021B Total/NA **EET ALB** 08/14/25 00:29 Analysis 32257 AT 1 Total/NA Prep SHAKE 32008 DR **EET ALB** 08/11/25 13:52 **EET ALB** 08/12/25 15:27 Total/NA 8015M/D 32099 EM Analysis 1 Total/NA 300 Prep **EET ALB** 08/11/25 14:48 Prep 31973 MA

20

31980 MA

Client Sample ID: BES25-29 4.1'

Analysis

300.0

Date Collected: 08/07/25 14:15

Total/NA

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-12

08/11/25 17:59

EET ALB

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 00:51
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 00:51
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32099	EM	EET ALB	08/12/25 17:49
Total/NA	Prep	300_Prep			31973	MA	EET ALB	08/11/25 14:48
Total/NA	Analysis	300.0		20	31980	MA	EET ALB	08/11/25 18:09

Client Sample ID: WES25-13 0-4.1'

Date Collected: 08/07/25 12:25

Date Received: 08/09/25 07:50

Lab Sample ID:	885-30633-13
	Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 01:13
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 01:13
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32099	EM	EET ALB	08/12/25 18:12
Total/NA	Prep	300_Prep			31961	MA	EET ALB	08/11/25 15:31
Total/NA	Analysis	300.0		20	31965	MA	EET ALB	08/11/25 16:34

Client Sample ID: WES25-14 0-4.1'

Date Callegade 10/07/05 40:20

Date Collected: 08/07/25 12:30 Date Received: 08/09/25 07:50

Client: Vertex

Lab Sample ID: 885-30633-14

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 01:35
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 01:35
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32065	EM	EET ALB	08/12/25 15:40
Total/NA	Prep	300_Prep			31961	MA	EET ALB	08/11/25 15:31
Total/NA	Analysis	300.0		20	31965	MA	FFT ALB	08/11/25 16:48

Client Sample ID: WES25-15 0-2'

Date Collected: 08/07/25 12:35

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-15

Matrix: Solid

Batch Dilution Batch Batch Prepared **Prep Type** Type Method Run Factor **Number Analyst** Lab or Analyzed 5030C EET ALB 08/11/25 11:48 Total/NA Prep 31978 KLS Total/NA 8015M/D 08/14/25 01:56 Analysis 1 32258 AT **EET ALB** Total/NA 5030C Prep 31978 KLS **EET ALB** 08/11/25 11:48 Total/NA Analysis 8021B 1 32257 AT **EET ALB** 08/14/25 01:56 Total/NA SHAKE **EET ALB** 08/11/25 13:52 Prep 32008 DR Total/NA Analysis 8015M/D 1 32065 EM **EET ALB** 08/12/25 15:51 EET ALB Total/NA Prep 300_Prep 31961 MA 08/11/25 15:31 Total/NA Analysis 300.0 20 32102 RC **EET ALB** 08/12/25 16:38

Client Sample ID: WES25-16 0-2'

Date Collected: 08/07/25 12:40

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-16

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 02:18
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 02:18
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32065	EM	EET ALB	08/12/25 16:02
Total/NA	Prep	300_Prep			31961	MA	EET ALB	08/11/25 15:31
Total/NA	Analysis	300.0		20	31965	MA	EET ALB	08/11/25 17:15

Client Sample ID: WES25-17 0-4.1'

Date Collected: 08/07/25 13:15

Date Received: 08/09/25 07:50

Lab Sam	ple ID:	885-3	0633-17
---------	---------	-------	---------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 02:40

Client Sample ID: WES25-17 0-4.1'

Date Collected: 08/07/25 13:15 Date Received: 08/09/25 07:50

Client: Vertex

Lab Sample ID: 885-30633-17

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 02:40
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32065	EM	EET ALB	08/12/25 16:13
Total/NA	Prep	300_Prep			31961	MA	EET ALB	08/11/25 15:31
Total/NA	Analysis	300.0		20	31965	MA	EET ALB	08/11/25 17:29

Client Sample ID: WES25-18 0-4.1'

Date Collected: 08/07/25 13:20

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-18

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 03:02
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 03:02
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32065	EM	EET ALB	08/12/25 16:24
Total/NA	Prep	300_Prep			31961	MA	EET ALB	08/11/25 15:31
Total/NA	Analysis	300.0		20	31965	MA	EET ALB	08/11/25 17:42

Client Sample ID: WES25-19 0-4.1'

Date Collected: 08/07/25 13:25

Date Received: 08/09/25 07:50

Lab Sam	ple	ID:	885-30	0633-19
---------	-----	-----	--------	---------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 03:24
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 03:24
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32065	EM	EET ALB	08/12/25 16:35
Total/NA	Prep	300_Prep			32104	RC	EET ALB	08/12/25 11:13
Total/NA	Analysis	300.0		20	32102	RC	EET ALB	08/12/25 15:16

Client Sample ID: WES25-20 0-4.1'

Date Collected: 08/07/25 13:30

Date Received: 08/09/25 07:50

Lab Samr	חו או	. 005 2	ness sn
1 an 5ann	11E II /	ີ ດດລ-ວ	UD.3.3=/U

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8015M/D		1	32258	AT	EET ALB	08/14/25 03:45
Total/NA	Prep	5030C			31978	KLS	EET ALB	08/11/25 11:48
Total/NA	Analysis	8021B		1	32257	AT	EET ALB	08/14/25 03:45

Client Sample ID: WES25-20 0-4.1'

Date Collected: 08/07/25 13:30 Date Received: 08/09/25 07:50

Client: Vertex

Lab Sample ID: 885-30633-20

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			32008	DR	EET ALB	08/11/25 13:52
Total/NA	Analysis	8015M/D		1	32065	EM	EET ALB	08/12/25 16:46
Total/NA	Prep	300_Prep			32104	RC	EET ALB	08/12/25 11:13
Total/NA	Analysis	300.0		20	32102	RC	EET ALB	08/12/25 15:30

Client Sample ID: WES25-21 0-4.1'

Date Collected: 08/07/25 13:35

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-21

Matrix: Solid

Batch Batch Dilution Batch Prepared Method or Analyzed **Prep Type** Туре Run Factor Number Analyst Lab Total/NA 5030C 32094 KLS EET ALB 08/12/25 10:30 Prep Total/NA 8015M/D 08/13/25 15:03 Analysis 32249 AT **EET ALB** 1 Total/NA Prep 5030C 32094 KLS **EET ALB** 08/12/25 10:30 Total/NA 8021B 08/13/25 15:03 32256 AT **EET ALB** Analysis 1 Total/NA SHAKE **EET ALB** 08/12/25 12:26 Prep 32115 JM 32208 EM Total/NA Analysis 8015M/D **EET ALB** 08/13/25 13:43 1 Total/NA 300 Prep **EET ALB** 08/13/25 09:16 Prep 32198 RC Total/NA Analysis 300.0 20 32211 RC **EET ALB** 08/13/25 11:50

Client Sample ID: WES25-22 0-4.1'

Released to Imaging: 11/13/2025 8:39:02 AM

Date Collected: 08/07/25 13:40

Date Received: 08/09/25 07:50

Lab Sample ID: 885-30633-22

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32094	KLS	EET ALB	08/12/25 10:30
Total/NA	Analysis	8015M/D		1	32249	AT	EET ALB	08/13/25 15:24
Total/NA	Prep	5030C			32094	KLS	EET ALB	08/12/25 10:30
Total/NA	Analysis	8021B		1	32256	AT	EET ALB	08/13/25 15:24
Total/NA	Prep	SHAKE			32115	JM	EET ALB	08/12/25 12:26
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/13/25 14:07
Total/NA	Prep	300_Prep			32198	RC	EET ALB	08/13/25 09:16
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 12:19

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex Job ID: 885-30633-1

Project/Site: Hackberry 18 Federal #002 Battery

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			
0 ,	are included in this report, but the second offer certification.	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analyte			
Analysis Method	Prep Method	Matrix	Analyte				
300.0	300_Prep	Solid	Chloride				
8015M/D	5030C	Solid	Gasoline Range Organics	(GRO)-C6-C10			
8015M/D	SHAKE	Solid	Diesel Range Organics [C	:10-C28]			
8015M/D	SHAKE	Solid	Motor Oil Range Organics	[C28-C40]			
8021B	5030C	Solid	Benzene				
8021B	5030C	Solid	Ethylbenzene				
8021B	5030C	Solid	Toluene				
8021B	5030C	Solid	Xylenes, Total				
Oregon	NELA	,P	NM100001	02-26-26			

2

4

6

R

9

10

Released to Imaging: 11/13/2025 8:39:02 AM

C	hain	of-Cu	stody Record	Turn-Around	Time:								_							_
Client:		Vertex		72	-hour Rusl	h				_							NM 301	į.	W.	
	(direct h	aill to Dev	on, work order 21185142)	Project Nam	e:											tal.co		E		
Mailing	Address		511, WOIK GIGGI 2 1 100 1 12)	Heekheum.	9 Federal #00	12 Potton		40	04 LI									385-30	633 CO	
				Project #:	8 Federal #00	2 Battery	1												200 00	
Dhana	и.			-				16	el. 50	15-34	45-3					uest	4107			
Phone :	_			23E-03903						_				313	Neq					
email o				Project Mana	_		TMB's (8021)	DRO / MRO)	S		S		SO4			sent				
	Package:			Kent Stalling			(80	Δ.	PCB's		MIS		PO4,			/Ab				
□ Stan					ertexresource.	.com	1B's)RO			8270SIMS					ent				
Accredi □ NEL		☐ Az Co☐ Other	mpliance	Sampler: On Ice:	L. Pullman 10 Yes	□ No CHUCK	=	_	808/	504.1)	r 82		NO ₂ ,		4	res				
□ EDD		- Other		# of Coolers:		□ No CHUCKY	3E /	GR(des		10 c	tals	NO ₃ ,		0	m (
	() - / .			Cooler Temp	THE RESERVE OF THE PERSON NAMED IN	3+0-2=1.5°C	MTBE	5D(stici	(Method	8310	Me		OA)	-imi	lifor				
				Container	Preservative		1 ~	801	Pe	Ž	s by	A 8	, Br,	Š	(S)	ပို				
Date	Time	Matrix	Sample Name	Type and #	Type	HEAL No.	BTEX	TPH:8015D(GRO	8081 Pesticides/8082	EDB	PAHs	RCRA 8 Metals	(5)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
08.07.25	12:20	Soil	BES25-18 4.1'	1, 4oz jar		1	х	Х					X							
08.07.25	12:45	Soil	BES25-19 2'	1, 4oz jar		2	х	х					Х							
08.07.25	12:50	Soil	BES25-20 2'	1, 4oz jar		3	х	Х					Х							
08.07.25	12:55	Soil	BES25-21 2'	1, 4oz jar		4	х	х					Х							
08.07.25	13:00	Soil	BES25-22 2'	1, 4oz jar		5	Х	Х					Х					\perp	\perp	
08.07.25	13:05	Soil	BES25-23 2'	1, 4oz jar		6	х	х					χ					\perp		
08.07.25	13:50	Soil	BES25-24 4.1'	1, 4oz jar		7	х	х					Х					\perp		
08.07.25	13:55	Soil	BES25-25 4.1'	1, 4oz jar		8	х	Х					Х							
08.07.25	14:00	Soil	BES25-26 4.1'	1, 4oz jar		q	х	Х					Х					\perp	\perp	
08.07.25	14:05	Soil	BES25-27 4.1'	1, 4oz jar		16	Х	Х					X						\perp	
08.07.25	14:10	Soil	BES25-28 4.1'	1, 4oz jar		11	Х	Х					Х					\perp		
08.07.25		Soil	BES25-29 4.1'	1, 4oz jar		13	X	Х					Х							
Date:	Time: 07'00	Relinquish	Aullan	Received by:	Via:	8/8/25 700	Dire	ct bi perm	ian@	Devo Overl	on w	ork o	rder ce.c	om,	SCa	rttar@	_	exres		e.com,
Date: 98/35	Time:	Relinquish	еа ру:	Received by:	Via:	Date Time					xres	ource	e.cor	n, ar	nd LF	Pullm	ian@\	/erte:	kresoi	urce.com
70103	900	CALL	(11111)	Sch	COURIER	8/9/25 0750	0750 for Final Report							or C						

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.

















Chain-of-Custody Record				Turn-Around Time:							IA	d.	F	uv	TE	20	NM	1F	NT	AI	l Vec
Client:		Vertex		72	-hour Rush	า			_								30				-
	(direct h	aill to Dow	on, work order 21185142)	Project Nam	e:											tal.cc					Loy
Mailing	Address		on, work order 21103142)	-	8 Federal #00	2 Potton		40/	04 11								M 87	100			5
				Project #:	o rederal #00	2 Ballery				awki 5-34					·		vi 07 4107				
Phone #	<i>#</i> .		· · · · · · · · · · · · · · · · · · ·	23E-03903			17.7		al. 50	5-54	0-38				_	uest		i i	15/6	7.1	
email or				Project Mana	ager:			<u> </u>	lan en	alian)			SO ₄								
	Package:			Kent Stalling	_		(8021)	/ MRO)	3's		S I					ser					1
□ Stan			☐ Level 4 (Full Validation)		ertexresource.	<u>com</u>	l တ l	0	PCB's		8270SIMS		PO4,			ntAl					
Accredi	tation:	□ Az Co	mpliance	Sampler:	L. Pullman		TMB	/ DRO	082	=	827		NO ₂ ,			Coliform (Present/Absent)					
□ NEL		□ Other		On Ice:		□ No (Hucky	_	80	es/8	504.1)	Oor	<u>s</u>			(OA)	P.					
□ EDD	(Type) _.	1		# of Coolers: Cooler Temp	AND DESCRIPTION OF THE PERSON NAMED IN	3+0.2=1.5°C	MTBE	90	Pesticides/8082	(Method	8310	8 Metals	NO ₃ ,	F	ni-V	form					
				OOOICI TCIII		710.00 (.7)	_	3015	Pes	(Met	ρ	_	Ŗ,	8	(Sei	Coli					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	ВТЕХ	TPH:8015D(GRO	8081	EDB	PAHs	RCRA	CI)F,	8260 (VOA)	8270 (Semi-VOA)	Total (
			•		Турс	10			æ	Ш	Δ.	<u>~</u> (∞	80		_		+	+	+
08.07.25	12:25	Soil	WES25-13 0-4.1'	1, 4oz jar		13	Х	Х		-		-	Х	_		\square	\dashv	\dashv	\dashv	\dashv	
08.07.25	12:30	Soil	WES25-14 0-4.1'	1, 4oz jar		14	Х	Х					Х				_		\rightarrow	_	\perp
08.07.25	12:35	Soil	WES25-15 0-2'	1, 4oz jar		15	Х	Х					Х						_	_	
08.07.25	12:40	Soil	WES25-16 0-2'	1, 4oz jar		16	Х	Х					Х								
08.07.25	13:15	Soil	WES25-17 0-4.1'	1, 4oz jar		17	х	x					х								
08.07.25	13:20	Soil	WES25-18 0-4.1'	1, 4oz jar		18	х	х					х								
08.07.25	13:25	Soil	WES25-19 0-4.1'	1, 4oz jar		19	Х	х					х								
08.07.25	13:30	Soil	WES25-20 0-4.1'	1, 4oz jar		20	х	х					х								
08.07.25	13:35	Soil	WES25-21 0-4.1'	1, 4oz jar		3/	х	х					х								
08.07.25	13:40	Soil	WES25-22 0-4.1'	1, 4oz jar		33	х	х					Х			П					
				, ,												П		\neg	\neg		
																П			\Box		
Date:	Time:	Relinquish	ed by	Received by:	Via:		Rem														
88-25	07:00	Jaki	HALLIAN !	Curun	win	8/8/25 700										42 Jim Raley arttar@vertexresource.com,					
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time	ksta	lling	s@v	ertex											ce.com
19875	1900	CMM	um)	SCM	COURIER	8/9/25 0750	5 6750 for Final Report							000							

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.













4

N

2/2

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-30633-1

Login Number: 30633 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

oreator. Incodustori, oteveri		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey neter.</td <td>True</td> <td></td>	True	
he 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?	True	
here 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	
ppropriate 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	
fultiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/15/2025 3:09:00 PM

JOB DESCRIPTION

Hackberry 18 Federal #002 Battery

JOB NUMBER

885-30756-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 8/15/2025 3:09:00 PM

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

3

4

5

7

8

9

Released to Imaging: 11/13/2025 8:39:02 AM

5

8/15/2025

Client: Vertex Project/Site: Hackberry 18 Federal #002 Battery Laboratory Job ID: 885-30756-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	
QC Sample Results	22
QC Association Summary	26
Lab Chronicle	30
Certification Summary	35
Chain of Custody	36
Receint Checklists	38

Definitions/Glossary

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive **Quality Control**

Method Quantitation Limit

Practical Quantitation Limit

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

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

Glossary

ML

MPN

MQL

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

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

Case Narrative

Client: Vertex Job ID: 885-30756-1

Project: Hackberry 18 Federal #002 Battery

Job ID: 885-30756-1 Eurofins Albuquerque

Job Narrative 885-30756-1

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

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

Receipt

The samples were received on 8/12/2025 7:30 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 0.1°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

•

2

3

А

5

6

8

9

10

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-30 4.1"

Date Collected: 08/08/25 08:00 Date Received: 08/12/25 07:30

Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30756-1

Analyzed

08/14/25 23:41

Prepared

08/13/25 10:32

Matrix: Solid

Method: SW846 8015M/D - Gas	soline Range Org	anics (GRC) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/13/25 10:32	08/14/25 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/13/25 10:32	08/14/25 23:41	1
_ Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/13/25 10:32	08/14/25 23:41	1
Ethylbenzene	ND		0.050	mg/Kg		08/13/25 10:32	08/14/25 23:41	1
Toluene	ND		0.050	mg/Kg		08/13/25 10:32	08/14/25 23:41	1
Xvlenes. Total	ND		0.099	mg/Kg		08/13/25 10:32	08/14/25 23:41	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/13/25 12:18	08/14/25 09:56	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/13/25 12:18	08/14/25 09:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			08/13/25 12:18	08/14/25 09:56	1

Limits

15 - 150

%Recovery Qualifier

96

Method: EPA 300.0 - Anions, Ion Chromatography											
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	1500	60	mg/Kg		08/13/25 12:04	08/13/25 16:06	20				

Eurofins Albuquerque

3

5

7

8

1 በ

11

Dil Fac

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-31 4.1"

Released to Imaging: 11/13/2025 8:39:02 AM

Date Collected: 08/08/25 08:05 Date Received: 08/12/25 07:30

Xylenes, Total

Lab Sample ID: 885-30756-2

08/15/25 00:46

08/13/25 10:32

Matrix: Solid

Method: SW846 8015M/D - Gasoline Ra	nge Org	anics (GRO) (GC)					ı
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/13/25 10:32	08/15/25 00:46	1
(GRO)-C6-C10								
Surrogate %	Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99	-	15 - 150			08/13/25 10:32	08/15/25 00:46	1
Method: SW846 8021B - Volatile Organi	ic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/13/25 10:32	08/15/25 00:46	1
Ethylbenzene	ND		0.050	mg/Kg		08/13/25 10:32	08/15/25 00:46	1
Toluene	ND		0.050	mg/Kg		08/13/25 10:32	08/15/25 00:46	1

Surrogate	%Recovery 0	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			08/13/25 10:32	08/15/25 00:46	1
Method: SW846 8015M/D - Diesel	Range Organic	s (DRO) (0	SC)					
Analyte	Result C		RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/13/25 12:18	08/14/25 11:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/13/25 12:18	08/14/25 11:06	1

0.10

mg/Kg

ND

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134	08/13/25 12:18	08/14/25 11:06	1

Method: EPA 300.0 - Anions, Ion Chromatography										
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
	Chloride	2000	60	mg/Kg		08/13/25 12:04	08/13/25 16:15	20		

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-32 4.1"

Date Collected: 08/08/25 08:10 Date Received: 08/12/25 07:30 Lab Sample ID: 885-30756-3

Matrix: Solid

- Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 01:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		15 - 150			08/13/25 10:32	08/15/25 01:52	1	

Method: SW846 8021B - Volati Analyte	•	ounds (GC) Qualifier	RL	Unit	n	Prepared	Analyzed	Dil Fac
Benzene	ND	Qualifier	0.024	mg/Kg		08/13/25 10:32	08/15/25 01:52	
				0 0				
Ethylbenzene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 01:52	1
Toluene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 01:52	1
Xylenes, Total	ND		0.098	mg/Kg		08/13/25 10:32	08/15/25 01:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/13/25 10:32	08/15/25 01:52	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/13/25 12:18	08/14/25 11:30	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/13/25 12:18	08/14/25 11:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			08/13/25 12:18	08/14/25 11:30	1

metriod. El A 000.0 - Arrioris, for or	- Amons, for officinatography								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1200		60	mg/Kg		08/13/25 12:04	08/13/25 17:24	20	

3

4

6

8

4.0

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-33 4.1"

Date Collected: 08/08/25 08:15 Date Received: 08/12/25 07:30

Toluene

Lab Sample ID: 885-30756-4

08/15/25 02:14

08/13/25 10:32

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 02:14	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			08/13/25 10:32	08/15/25 02:14	1
- Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			0.005			00/40/05 40 00	00/45/05 00 44	
Benzene	ND		0.025	mg/Kg		08/13/25 10:32	08/15/25 02:14	1

Xylenes, Total	ND	0.098	mg/Kg	08/13/25 10:32	08/15/25 02:14	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	15 - 150		08/13/25 10:32	08/15/25 02:14	1

0.049

mg/Kg

ND

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		8.7	mg/Kg		08/13/25 12:18	08/14/25 11:53	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		08/13/25 12:18	08/14/25 11:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			08/13/25 12:18	08/14/25 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography									
	Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2200		60	mg/Kg		08/13/25 12:04	08/13/25 17:34	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-34 4.1"

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID: 885-30756-5

Date Collected: 08/08/25 08:20 Matrix: Solid Date Received: 08/12/25 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/13/25 10:32	08/15/25 02:36	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/13/25 10:32	08/15/25 02:36	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/13/25 10:32	08/15/25 02:36	1
Ethylbenzene	ND		0.047	mg/Kg		08/13/25 10:32	08/15/25 02:36	1
Toluene	ND		0.047	mg/Kg		08/13/25 10:32	08/15/25 02:36	1
Xylenes, Total	ND		0.095	mg/Kg		08/13/25 10:32	08/15/25 02:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/13/25 10:32	08/15/25 02:36	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/13/25 12:18	08/14/25 12:17	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/13/25 12:18	08/14/25 12:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			08/13/25 12:18	08/14/25 12:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-35 4.1"

Date Collected: 08/08/25 08:25 Date Received: 08/12/25 07:30

Xylenes, Total

Surrogate

Lab Sample ID: 885-30756-6

08/15/25 02:57

Analyzed

Dil Fac

08/13/25 10:32

Prepared

Matrix: Solid

Method: SW846 8015M/D - Gas	soline Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 02:57	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/13/25 10:32	08/15/25 02:57	1
– Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/13/25 10:32	08/15/25 02:57	1
Ethylbenzene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 02:57	1
Toluene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 02:57	1

4-Bromofluorobenzene (Surr)	95		15 - 150			08/13/25 10:32	08/15/25 02:57	1
Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (G	C)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/13/25 12:18	08/14/25 12:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/13/25 12:18	08/14/25 12:40	1

0.098

Limits

mg/Kg

ND

%Recovery Qualifier

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134	08/13/25 12:18	08/14/25 12:40	1

Method: EPA 300.0 - Anions, Ion Chromatography										
	Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	2000		60	mg/Kg		08/13/25 12:04	08/13/25 17:54	20	

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-36 4.1"

Date Collected: 08/08/25 08:30 Date Received: 08/12/25 07:30

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30756-7

08/15/25 03:19

08/13/25 10:32

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 03:19	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	-	15 - 150			08/13/25 10:32	08/15/25 03:19	1
Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))					
	•	, ,		Unit	n	Propaged	Analyzod	Dil Eac
Analyte	Result	ounds (GC) Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 08/13/25 10:32	Analyzed	Dil Fac
Analyte Benzene	Result ND	, ,	RL 0.025	mg/Kg	<u>D</u>	08/13/25 10:32	08/15/25 03:19	Dil Fac
Analyte	Result	, ,	RL		<u>D</u>			Dil Fac
Analyte Benzene	Result ND	, ,	RL 0.025	mg/Kg	<u>D</u>	08/13/25 10:32	08/15/25 03:19	Dil Fac 1 1 1
Analyte Benzene Ethylbenzene	Result ND ND	, ,	0.025 0.049	mg/Kg	<u>D</u>	08/13/25 10:32 08/13/25 10:32	08/15/25 03:19 08/15/25 03:19	Dil Fac 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/13/25 12:18	08/14/25 13:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/13/25 12:18	08/14/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			08/13/25 12:18	08/14/25 13:28	1

15 - 150

95

motion El A 000.0 Amono, for ornomatography									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1400		60	mg/Kg		08/13/25 12:04	08/13/25 18:04	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-37 4.1"

Date Collected: 08/08/25 08:35 Date Received: 08/12/25 07:30

Lab Sample ID: 885-30756-8

Matrix: Solid

Date Received: 08/12/25 07:30									
Method: SW846 8015M/D - Gaso	line Range Org	anics (GR0	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Gasoline Range Organics	ND		4.8	mg/Kg		08/13/25 10:32	08/15/25 03:41	1	
(GRO)-C6-C10									6
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	

4-Bromofluorobenzene (Surr)	97		15 - 150			08/13/25 10:32	08/15/25 03:41	1
Method: SW846 8021B - Volati	le Organic Compo	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/13/25 10:32	08/15/25 03:41	1
Ethylbenzene	ND		0.048	mg/Kg		08/13/25 10:32	08/15/25 03:41	1
Toluene	ND		0.048	mg/Kg		08/13/25 10:32	08/15/25 03:41	1
Xylenes, Total	ND		0.095	mg/Kg		08/13/25 10:32	08/15/25 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/13/25 10:32	08/15/25 03:41	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		08/13/25 12:18	08/14/25 13:52	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		08/13/25 12:18	08/14/25 13:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			08/13/25 12:18	08/14/25 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	1100	60	mg/Kg		08/13/25 12:04	08/13/25 18:14	20		

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-38 4.1"

Date Collected: 08/08/25 08:40 Date Received: 08/12/25 07:30

Xylenes, Total

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-30756-9

08/15/25 04:03

Analyzed

08/15/25 04:03

08/13/25 10:32

Prepared

08/13/25 10:32

Matrix: Solid

Method: SW846 8015M/D - Gas	oline Range Org	anics (GRC) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/13/25 10:32	08/15/25 04:03	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/13/25 10:32	08/15/25 04:03	1
- Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/13/25 10:32	08/15/25 04:03	1
Ethylbenzene	ND		0.047	mg/Kg		08/13/25 10:32	08/15/25 04:03	1
Toluene	ND		0.047	mg/Kg		08/13/25 10:32	08/15/25 04:03	1

0.094

Limits

15 - 150

mg/Kg

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		08/13/25 12:18	08/14/25 14:15	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		08/13/25 12:18	08/14/25 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/13/25 12:18	08/14/25 14:15	1

ND

96

Qualifier

%Recovery

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100	60	mg/Kg		08/13/25 12:04	08/13/25 18:43	20

Eurofins Albuquerque

2

1

5

9

10

Dil Fac

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-39 4.1"

Date Collected: 08/08/25 08:45 Date Received: 08/12/25 07:30 Lab Sample ID: 885-30756-10

Matrix: Solid

Method: SW846 8015M/D - Gas	sonne italige Org	allics (GRO) ()					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.8	mg/Kg		08/13/25 10:32	08/15/25 04:24	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95							
- Bromondorobenzene (odn)	95		15 - 150			08/13/25 10:32	08/15/25 04:24	1
Method: SW846 8021B - Volati	le Organic Comp							1
-	le Organic Comp	ounds (GC) Qualifier		Unit	<u>D</u>	08/13/25 10:32 Prepared	08/15/25 04:24 Analyzed	Dil Fac
Method: SW846 8021B - Volati	le Organic Comp			<mark>Unit</mark> mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8021B - Volati Analyte	le Organic Comp		RL		<u>D</u>	Prepared	Analyzed	1 Dil Fac 1
Method: SW846 8021B - Volati Analyte Benzene	le Organic Comp Result ND		RL 0.024	mg/Kg	<u>D</u>	Prepared 08/13/25 10:32	Analyzed 08/15/25 04:24	1 Dil Fac 1 1 1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/13/25 10:32	08/15/25 04:24	1
Method: SW846 8015M/D - Diesel	Range Organi	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/13/25 12:18	08/14/25 15:51	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/13/25 12:18	08/14/25 15:51	1

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91	62 - 134	08/13/25 12:18	08/14/25 15:51	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200	60	mg/Kg		08/13/25 12:04	08/13/25 18:53	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-40 4.1"

Lab Sample ID: 885-30756-11

Date Collected: 08/08/25 08:50 Matrix: Solid Date Received: 08/12/25 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/13/25 10:32	08/15/25 05:08	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/13/25 10:32	08/15/25 05:08	1
Ethylbenzene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 05:08	1
Toluene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 05:08	1
Xylenes, Total	ND		0.098	mg/Kg		08/13/25 10:32	08/15/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			08/13/25 10:32	08/15/25 05:08	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		9.6	mg/Kg		08/13/25 12:18	08/14/25 16:15	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/13/25 12:18	08/14/25 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			08/13/25 12:18	08/14/25 16:15	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		60	mg/Kg		08/13/25 12:04	08/13/25 19:03	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-41 4.1"

Lab Sample ID: 885-30756-12

Date Collected: 08/08/25 08:55 Matrix: Solid Date Received: 08/12/25 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 05:30	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			08/13/25 10:32	08/15/25 05:30	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		08/13/25 10:32	08/15/25 05:30	1
Ethylbenzene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 05:30	1
Toluene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 05:30	1
Xylenes, Total	ND		0.098	mg/Kg		08/13/25 10:32	08/15/25 05:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			08/13/25 10:32	08/15/25 05:30	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		9.6	mg/Kg		08/13/25 12:18	08/14/25 16:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/13/25 12:18	08/14/25 16:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/13/25 12:18	08/14/25 16:39	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		08/13/25 12:04	08/13/25 19:13	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-42 4.1"

Date Collected: 08/08/25 09:00 Date Received: 08/12/25 07:30 Lab Sample ID: 885-30756-13

Matrix: Solid

Method: SW846 8015M/D - Gaso	line Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 05:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			08/13/25 10:32	08/15/25 05:52	1
 Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	-	0.024	mg/Kg		08/13/25 10:32	08/15/25 05:52	1
Ethylbenzene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 05:52	1

Toluene	ND		0.049	mg/Kg	08/13/25 10:32	08/15/25 05:52	1
Xylenes, Total	ND		0.097	mg/Kg	08/13/25 10:32	08/15/25 05:52	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150		08/13/25 10:32	08/15/25 05:52	

Į	1 Bromonacrosonzono (carr)	30	70 - 700			00,70,20,70.02	00/10/20 00:02	•
	Method: SW846 8015M/D - Diesel R	ange Organics (DRO)	(GC)					
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics [C10-C28]	ND	9.8	mg/Kg		08/13/25 12:18	08/14/25 17:02	1
	Motor Oil Range Organics [C28-C40]	ND	49	mg/Kg		08/13/25 12:18	08/14/25 17:02	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95	62 - 134	08/13/25 12:18	08/14/25 17:02	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400	60	mg/Kg		08/13/25 12:04	08/13/25 19:22	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-43 4.1"

Lab Sample ID: 885-30756-14

Date Collected: 08/08/25 09:05 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/13/25 10:32	08/15/25 06:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/13/25 10:32	08/15/25 06:13	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		08/13/25 10:32	08/15/25 06:13	1
Ethylbenzene	ND		0.048	mg/Kg		08/13/25 10:32	08/15/25 06:13	1
Toluene	ND		0.048	mg/Kg		08/13/25 10:32	08/15/25 06:13	1
Xylenes, Total	ND		0.095	mg/Kg		08/13/25 10:32	08/15/25 06:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/13/25 10:32	08/15/25 06:13	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		9.3	mg/Kg		08/13/25 12:18	08/14/25 17:26	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/13/25 12:18	08/14/25 17:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/13/25 12:18	08/14/25 17:26	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		08/13/25 12:04	08/13/25 19:32	20

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-44 4.1"

Date Collected: 08/08/25 09:10 Date Received: 08/12/25 07:30

Toluene

Xylenes, Total

Lab Sample ID: 885-30756-15

08/15/25 06:35

08/15/25 06:35

Matrix: Solid

Method: SW846 8015M/D - Gaso	line Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/13/25 10:32	08/15/25 06:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			08/13/25 10:32	08/15/25 06:35	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		08/13/25 10:32	08/15/25 06:35	1
Ethylbenzene	ND		0.049	mg/Kg		08/13/25 10:32	08/15/25 06:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150	08/13/25 10:32	08/15/25 06:35	1

0.049

0.098

mg/Kg

mg/Kg

08/13/25 10:32

08/13/25 10:32

ND

ND

Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/13/25 12:18	08/14/25 17:50	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/13/25 12:18	08/14/25 17:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/13/25 12:18	08/14/25 17:50	1

Method: EPA 300.0 - Anions, Ion Cl	nromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	900	60	mg/Kg		08/13/25 12:04	08/13/25 19:42	20

Released to Imaging: 11/13/2025 8:39:02 AM

2

3

5

0

9

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-45 4.1"

Lab Sample ID: 885-30756-16

Date Collected: 08/08/25 09:15 Matrix: Solid Date Received: 08/12/25 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/13/25 10:32	08/15/25 06:57	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/13/25 10:32	08/15/25 06:57	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	-	0.025	mg/Kg		08/13/25 10:32	08/15/25 06:57	1
Ethylbenzene	ND		0.050	mg/Kg		08/13/25 10:32	08/15/25 06:57	1
Toluene	ND		0.050	mg/Kg		08/13/25 10:32	08/15/25 06:57	1
Xylenes, Total	ND		0.10	mg/Kg		08/13/25 10:32	08/15/25 06:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/13/25 10:32	08/15/25 06:57	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/13/25 12:18	08/14/25 18:14	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/13/25 12:18	08/14/25 18:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			08/13/25 12:18	08/14/25 18:14	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte	resuit			•	_		,u.,u	D uo

Prep Batch: 32222

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-32222/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid Analysis Batch: 32383

MD ME

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		5.0	mg/Kg		08/13/25 10:32	08/14/25 23:19	1

(GRO)-C6-C10

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	15 - 150	08/13/25 10:32	08/14/25 23:19	1

Lab Sample ID: LCS 885-32222/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 32383

Prep Batch: 32222 Spike LCS LCS Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 21.0 mg/Kg 84 70 - 130

(GRO)-C6-C10

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 205 15 - 150

Lab Sample ID: 885-30756-1 MS

Analysis Batch: 32383

Matrix: Solid Prep Type: Total/NA

Prep Batch: 32222

Client Sample ID: BES25-30 4.1"

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits ND 24.9 22.3 90 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 216 15 - 150

Lab Sample ID: 885-30756-1 MSD Client Sample ID: BES25-30 4.1"

Matrix: Solid

Analysis Batch: 32383

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 89 70 - 130 Gasoline Range Organics ND 24.9 22.2 mg/Kg

(GRO)-C6-C10

MSD MSD

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32222/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 32382

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.025 08/13/25 10:32 08/14/25 23:19 Benzene ND mg/Kg Ethylbenzene ND 0.050 mg/Kg 08/13/25 10:32 08/14/25 23:19 Toluene ND 0.050 08/13/25 10:32 08/14/25 23:19 mg/Kg

Eurofins Albuquerque

Prep Type: Total/NA

Prep Batch: 32222

Page 22 of 38

Prep Type: Total/NA Prep Batch: 32222

RPD

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-32222/1-A **Matrix: Solid**

Analysis Batch: 32382

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

Prep Batch: 32222

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Xylenes, Total ND 0.10 08/13/25 10:32 08/14/25 23:19 mg/Kg

> MR MR

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 96 15 - 150 08/13/25 10:32 08/14/25 23:19

Lab Sample ID: LCS 885-32222/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 32382

Prep Type: Total/NA

Prep Batch: 32222

LCS LCS Spike %Rec Analyte Added Result Qualifier %Rec Unit Limits Benzene 1.00 1.07 mg/Kg 107 70 - 130 Ethylbenzene 1.00 1.05 mg/Kg 105 70 - 130 m-Xylene & p-Xylene 2.00 2.09 mg/Kg 104 70 - 130 o-Xylene 1.00 1.06 mg/Kg 106 70 - 130 Toluene 1.00 1.05 mg/Kg 105 70 - 130

LCS LCS

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

Lab Sample ID: 885-30756-2 MS Client Sample ID: BES25-31 4.1"

Matrix: Solid

Analysis Batch: 32382

Prep Type: Total/NA

Prep Batch: 32222

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.998	1.15		mg/Kg		115	70 - 130	
Ethylbenzene	ND		0.998	1.14		mg/Kg		114	70 - 130	
m-Xylene & p-Xylene	ND		2.00	2.30		mg/Kg		115	70 - 130	
o-Xylene	ND		0.998	1.14		mg/Kg		114	70 - 130	
Toluene	ND		0.998	1.14		mg/Kg		114	70 - 130	

MS MS

%Recovery Qualifier Limits Surrogate 15 - 150 4-Bromofluorobenzene (Surr) 102

Lab Sample ID: 885-30756-2 MSD

Matrix: Solid

Analysis Batch: 32382

Client Sample ID: BES25-31 4.1"

Prep Type: Total/NA Prep Batch: 32222

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	ND		0.999	1.06		mg/Kg		107	70 - 130	8	20	
Ethylbenzene	ND		0.999	1.07		mg/Kg		107	70 - 130	7	20	
m-Xylene & p-Xylene	ND		2.00	2.12		mg/Kg		106	70 - 130	8	20	
o-Xylene	ND		0.999	1.07		mg/Kg		107	70 - 130	6	20	
Toluene	ND		0.999	1.06		mg/Kg		106	70 - 130	8	20	

MSD MSD

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

Eurofins Albuquerque

QC Sample Results

Job ID: 885-30756-1 Client: Vertex

Project/Site: Hackberry 18 Federal #002 Battery

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

Lab Sample ID: MB 885-32240/1-A **Matrix: Solid**

Lab Sample ID: LCS 885-32240/2-A

Analysis Batch: 32208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32240

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 08/13/25 12:18 08/14/25 09:09 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 08/13/25 12:18 08/14/25 09:09

MB MB

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed Di-n-octyl phthalate (Surr) 96 62 - 134 08/13/25 12:18 08/14/25 09:09

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 32240

Matrix: Solid

Diesel Range Organics

Analysis Batch: 32208

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits 50.0 43.5 87 51 - 148 mg/Kg

[C10-C28]

Analyte

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 86 62 - 134

Client Sample ID: BES25-30 4.1" Lab Sample ID: 885-30756-1 MS

Matrix: Solid

Analysis Batch: 32208

Prep Type: Total/NA Prep Batch: 32240

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits 49.6 **Diesel Range Organics** ND 42.5 mg/Kg 86 44 - 136

[C10-C28]

MS MS

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

Lab Sample ID: 885-30756-1 MSD Client Sample ID: BES25-30 4.1"

Matrix: Solid

Analysis Batch: 32208

Prep Batch: 32240 RPD MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit **Diesel Range Organics** ND 50.0 43.5 87 44 - 136 mg/Kg

[C10-C28]

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-32237/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 32211

мв мв Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac

Chloride ND 1.5 mg/Kg 08/13/25 12:04 08/13/25 14:47

Eurofins Albuquerque

Prep Type: Total/NA

Prep Batch: 32237

Prep Type: Total/NA

QC Sample Results

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-32237/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 32211

Prep Batch: 32237 Spike LCS LCS Added Result Qualifier Analyte Unit %Rec Limits Chloride 15.0 14.8 mg/Kg 98 90 - 110

QC Association Summary

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA

Prep Batch: 32222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	5030C	
885-30756-2	BES25-31 4.1"	Total/NA	Solid	5030C	
885-30756-3	BES25-32 4.1"	Total/NA	Solid	5030C	
885-30756-4	BES25-33 4.1"	Total/NA	Solid	5030C	
885-30756-5	BES25-34 4.1"	Total/NA	Solid	5030C	
885-30756-6	BES25-35 4.1"	Total/NA	Solid	5030C	
885-30756-7	BES25-36 4.1"	Total/NA	Solid	5030C	
885-30756-8	BES25-37 4.1"	Total/NA	Solid	5030C	
885-30756-9	BES25-38 4.1"	Total/NA	Solid	5030C	
885-30756-10	BES25-39 4.1"	Total/NA	Solid	5030C	
885-30756-11	BES25-40 4.1"	Total/NA	Solid	5030C	
885-30756-12	BES25-41 4.1"	Total/NA	Solid	5030C	
885-30756-13	BES25-42 4.1"	Total/NA	Solid	5030C	
885-30756-14	BES25-43 4.1"	Total/NA	Solid	5030C	
885-30756-15	BES25-44 4.1"	Total/NA	Solid	5030C	
885-30756-16	BES25-45 4.1"	Total/NA	Solid	5030C	
MB 885-32222/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-32222/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-32222/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-30756-1 MS	BES25-30 4.1"	Total/NA	Solid	5030C	
885-30756-1 MSD	BES25-30 4.1"	Total/NA	Solid	5030C	
885-30756-2 MS	BES25-31 4.1"	Total/NA	Solid	5030C	
885-30756-2 MSD	BES25-31 4.1"	Total/NA	Solid	5030C	

Analysis Batch: 32382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	8021B	32222
885-30756-2	BES25-31 4.1"	Total/NA	Solid	8021B	32222
885-30756-3	BES25-32 4.1"	Total/NA	Solid	8021B	32222
885-30756-4	BES25-33 4.1"	Total/NA	Solid	8021B	32222
885-30756-5	BES25-34 4.1"	Total/NA	Solid	8021B	32222
885-30756-6	BES25-35 4.1"	Total/NA	Solid	8021B	32222
885-30756-7	BES25-36 4.1"	Total/NA	Solid	8021B	32222
885-30756-8	BES25-37 4.1"	Total/NA	Solid	8021B	32222
885-30756-9	BES25-38 4.1"	Total/NA	Solid	8021B	32222
885-30756-10	BES25-39 4.1"	Total/NA	Solid	8021B	32222
885-30756-11	BES25-40 4.1"	Total/NA	Solid	8021B	32222
885-30756-12	BES25-41 4.1"	Total/NA	Solid	8021B	32222
885-30756-13	BES25-42 4.1"	Total/NA	Solid	8021B	32222
885-30756-14	BES25-43 4.1"	Total/NA	Solid	8021B	32222
885-30756-15	BES25-44 4.1"	Total/NA	Solid	8021B	32222
885-30756-16	BES25-45 4.1"	Total/NA	Solid	8021B	32222
MB 885-32222/1-A	Method Blank	Total/NA	Solid	8021B	32222
LCS 885-32222/3-A	Lab Control Sample	Total/NA	Solid	8021B	32222
885-30756-2 MS	BES25-31 4.1"	Total/NA	Solid	8021B	32222
885-30756-2 MSD	BES25-31 4.1"	Total/NA	Solid	8021B	32222

Analysis Batch: 32383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-2	BES25-31 4.1"	Total/NA	Solid	8015M/D	32222

Eurofins Albuquerque

Page 26 of 38

.

3

5

7

Ö

10

11

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

GC VOA (Continued)

Analysis Batch: 32383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-3	BES25-32 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-4	BES25-33 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-5	BES25-34 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-6	BES25-35 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-7	BES25-36 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-8	BES25-37 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-9	BES25-38 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-10	BES25-39 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-11	BES25-40 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-12	BES25-41 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-13	BES25-42 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-14	BES25-43 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-15	BES25-44 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-16	BES25-45 4.1"	Total/NA	Solid	8015M/D	32222
MB 885-32222/1-A	Method Blank	Total/NA	Solid	8015M/D	32222
LCS 885-32222/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32222
885-30756-1 MS	BES25-30 4.1"	Total/NA	Solid	8015M/D	32222
885-30756-1 MSD	BES25-30 4.1"	Total/NA	Solid	8015M/D	32222

GC Semi VOA

Analysis Batch: 32208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-2	BES25-31 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-3	BES25-32 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-4	BES25-33 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-5	BES25-34 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-6	BES25-35 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-7	BES25-36 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-8	BES25-37 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-9	BES25-38 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-10	BES25-39 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-11	BES25-40 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-12	BES25-41 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-13	BES25-42 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-14	BES25-43 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-15	BES25-44 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-16	BES25-45 4.1"	Total/NA	Solid	8015M/D	32240
MB 885-32240/1-A	Method Blank	Total/NA	Solid	8015M/D	32240
LCS 885-32240/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32240
885-30756-1 MS	BES25-30 4.1"	Total/NA	Solid	8015M/D	32240
885-30756-1 MSD	BES25-30 4.1"	Total/NA	Solid	8015M/D	32240

Prep Batch: 32240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	SHAKE	
885-30756-2	BES25-31 4.1"	Total/NA	Solid	SHAKE	
885-30756-3	BES25-32 4.1"	Total/NA	Solid	SHAKE	
885-30756-4	BES25-33 4.1"	Total/NA	Solid	SHAKE	
885-30756-5	BES25-34 4.1"	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

Page 27 of 38

.

2

5

7

ŏ

10

11

Released to Imaging: 11/13/2025 8:39:02 AM

QC Association Summary

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

GC Semi VOA (Continued)

Prep Batch: 32240 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-6	BES25-35 4.1"	Total/NA	Solid	SHAKE	
885-30756-7	BES25-36 4.1"	Total/NA	Solid	SHAKE	
885-30756-8	BES25-37 4.1"	Total/NA	Solid	SHAKE	
885-30756-9	BES25-38 4.1"	Total/NA	Solid	SHAKE	
885-30756-10	BES25-39 4.1"	Total/NA	Solid	SHAKE	
885-30756-11	BES25-40 4.1"	Total/NA	Solid	SHAKE	
885-30756-12	BES25-41 4.1"	Total/NA	Solid	SHAKE	
885-30756-13	BES25-42 4.1"	Total/NA	Solid	SHAKE	
885-30756-14	BES25-43 4.1"	Total/NA	Solid	SHAKE	
885-30756-15	BES25-44 4.1"	Total/NA	Solid	SHAKE	
885-30756-16	BES25-45 4.1"	Total/NA	Solid	SHAKE	
MB 885-32240/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-32240/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-30756-1 MS	BES25-30 4.1"	Total/NA	Solid	SHAKE	
885-30756-1 MSD	BES25-30 4.1"	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 32211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	300.0	32237
885-30756-2	BES25-31 4.1"	Total/NA	Solid	300.0	32237
885-30756-3	BES25-32 4.1"	Total/NA	Solid	300.0	32237
885-30756-4	BES25-33 4.1"	Total/NA	Solid	300.0	32237
885-30756-5	BES25-34 4.1"	Total/NA	Solid	300.0	32237
885-30756-6	BES25-35 4.1"	Total/NA	Solid	300.0	32237
885-30756-7	BES25-36 4.1"	Total/NA	Solid	300.0	32237
885-30756-8	BES25-37 4.1"	Total/NA	Solid	300.0	32237
885-30756-9	BES25-38 4.1"	Total/NA	Solid	300.0	32237
885-30756-10	BES25-39 4.1"	Total/NA	Solid	300.0	32237
885-30756-11	BES25-40 4.1"	Total/NA	Solid	300.0	32237
885-30756-12	BES25-41 4.1"	Total/NA	Solid	300.0	32237
885-30756-13	BES25-42 4.1"	Total/NA	Solid	300.0	32237
885-30756-14	BES25-43 4.1"	Total/NA	Solid	300.0	32237
885-30756-15	BES25-44 4.1"	Total/NA	Solid	300.0	32237
885-30756-16	BES25-45 4.1"	Total/NA	Solid	300.0	32237
MB 885-32237/1-A	Method Blank	Total/NA	Solid	300.0	32237
LCS 885-32237/2-A	Lab Control Sample	Total/NA	Solid	300.0	32237

Prep Batch: 32237

Released to Imaging: 11/13/2025 8:39:02 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-1	BES25-30 4.1"	Total/NA	Solid	300_Prep	
885-30756-2	BES25-31 4.1"	Total/NA	Solid	300_Prep	
885-30756-3	BES25-32 4.1"	Total/NA	Solid	300_Prep	
885-30756-4	BES25-33 4.1"	Total/NA	Solid	300_Prep	
885-30756-5	BES25-34 4.1"	Total/NA	Solid	300_Prep	
885-30756-6	BES25-35 4.1"	Total/NA	Solid	300_Prep	
885-30756-7	BES25-36 4.1"	Total/NA	Solid	300_Prep	
885-30756-8	BES25-37 4.1"	Total/NA	Solid	300_Prep	
885-30756-9	BES25-38 4.1"	Total/NA	Solid	300_Prep	
885-30756-10	BES25-39 4.1"	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

5

7

9

10

11

QC Association Summary

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

HPLC/IC (Continued)

Prep Batch: 32237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-30756-11	BES25-40 4.1"	Total/NA	Solid	300_Prep	_
885-30756-12	BES25-41 4.1"	Total/NA	Solid	300_Prep	
885-30756-13	BES25-42 4.1"	Total/NA	Solid	300_Prep	
885-30756-14	BES25-43 4.1"	Total/NA	Solid	300_Prep	
885-30756-15	BES25-44 4.1"	Total/NA	Solid	300_Prep	
885-30756-16	BES25-45 4.1"	Total/NA	Solid	300_Prep	
MB 885-32237/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-32237/2-A	Lab Control Sample	Total/NA	Solid	300 Pren	

4

6

_

9

10

10

Client: Vertex Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-30 4.1"

Date Collected: 08/08/25 08:00

Lab Sample ID: 885-30756-1

Matrix: Solid

Job ID: 885-30756-1

Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/14/25 23:41
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/14/25 23:41
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 09:56
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 16:06

Client Sample ID: BES25-31 4.1"

Date Collected: 08/08/25 08:05

Date Received: 08/12/25 07:30

Lab Sample ID: 885-30756-2

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 00:46
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 00:46
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 11:06
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 16:15

Client Sample ID: BES25-32 4.1"

Date Collected: 08/08/25 08:10

Date Received: 08/12/25 07:30

Lab Sample ID:	885-30756-3
----------------	-------------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 01:52
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 01:52
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 11:30
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 17:24

Client Sample ID: BES25-33 4.1"

Date Collected: 08/08/25 08:15

Date Received: 08/12/25 07:30

Lab Sample I	D: 885-30756-4
--------------	----------------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 02:14

Eurofins Albuquerque

Client: Vertex

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-33 4.1"

Date Collected: 08/08/25 08:15 Date Received: 08/12/25 07:30 Lab Sample ID: 885-30756-4

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 02:14
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 11:53
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 17:34

Client Sample ID: BES25-34 4.1"

Date Collected: 08/08/25 08:20

Date Received: 08/12/25 07:30

Lab Sample ID: 885-30756-5

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 02:36
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 02:36
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 12:17
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 17:44

Client Sample ID: BES25-35 4.1"

Date Collected: 08/08/25 08:25

Date Received: 08/12/25 07:30

Lab	Sample	ID:	885-30756-6
-----	--------	-----	-------------

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 02:57
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 02:57
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 12:40
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 17:54

Client Sample ID: BES25-36 4.1"

Date Collected: 08/08/25 08:30

Date Received: 08/12/25 07:30

ah S	amn	le II).	885-3	30756-7	

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 03:19
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 03:19

Eurofins Albuquerque

Client Sample ID: BES25-36 4.1"

Date Collected: 08/08/25 08:30

Lab Sample ID: 885-30756-7

Matrix: Solid

Date Received: 08/12/25 07:30

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 13:28
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 18:04

Client Sample ID: BES25-37 4.1"

Lab Sample ID: 885-30756-8 **Matrix: Solid**

Date Collected: 08/08/25 08:35 Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 03:41
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 03:41
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 13:52
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 18:14

Client Sample ID: BES25-38 4.1"

Lab Sample ID: 885-30756-9

Date Collected: 08/08/25 08:40 **Matrix: Solid** Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 04:03
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 04:03
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 14:15
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 18:43

Client Sample ID: BES25-39 4.1"

Lab Sample ID: 885-30756-10 Date Collected: 08/08/25 08:45

Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 04:24
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 04:24
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 15:51

Eurofins Albuquerque

Matrix: Solid

Project/Site: Hackberry 18 Federal #002 Battery

Client Sample ID: BES25-39 4.1"

Date Collected: 08/08/25 08:45

Lab Sample ID: 885-30756-10

Matrix: Solid

Date Received: 08/12/25 07:30

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 18:53

Client Sample ID: BES25-40 4.1"

Lab Sample ID: 885-30756-11

Matrix: Solid

Date Collected: 08/08/25 08:50 Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 05:08
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 05:08
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 16:15
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 19:03

Client Sample ID: BES25-41 4.1"

Lab Sample ID: 885-30756-12 Date Collected: 08/08/25 08:55

Matrix: Solid

Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 05:30
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 05:30
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 16:39
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 19:13

Client Sample ID: BES25-42 4.1"

Lab Sample ID: 885-30756-13

Date Collected: 08/08/25 09:00 **Matrix: Solid** Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 05:52
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 05:52
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 17:02
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 19:22

Client Sample ID: BES25-43 4.1"

Lab Sample ID: 885-30756-14

Matrix: Solid

Date Collected: 08/08/25 09:05 Date Received: 08/12/25 07:30

Client: Vertex

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 06:13
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 06:13
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 17:26
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 19:32

Client Sample ID: BES25-44 4.1"

Lab Sample ID: 885-30756-15

Matrix: Solid

Date Collected: 08/08/25 09:10 Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 06:35
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 06:35
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 17:50
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 19:42

Client Sample ID: BES25-45 4.1"

Lab Sample ID: 885-30756-16

Matrix: Solid

Date Collected: 08/08/25 09:15 Date Received: 08/12/25 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8015M/D		1	32383	JP	EET ALB	08/15/25 06:57
Total/NA	Prep	5030C			32222	KLS	EET ALB	08/13/25 10:32
Total/NA	Analysis	8021B		1	32382	JP	EET ALB	08/15/25 06:57
Total/NA	Prep	SHAKE			32240	JM	EET ALB	08/13/25 12:18
Total/NA	Analysis	8015M/D		1	32208	EM	EET ALB	08/14/25 18:14
Total/NA	Prep	300_Prep			32237	RC	EET ALB	08/13/25 12:04
Total/NA	Analysis	300.0		20	32211	RC	EET ALB	08/13/25 19:52

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex Job ID: 885-30756-1

Project/Site: Hackberry 18 Federal #002 Battery

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
0 ,	are included in this report, be ses not offer certification.	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organics	(GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C	10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics	[C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
Oregon	NELA	.P	NM100001	02-26-26

Eurofins Albuquerque

3

4

5

9

10

11

Client:		Vertex	stody Record	72-	-hour Rusl	h	-			A	N	AL	YS	IS	L	AB	NM BOI			######################################	
Mailing			on, work order 21185142)			12 Patton		40	О1 Ц							al.co	om M 871	100	85-30756		
				Project #:	8 Federal #00	2 Battery	1		el. 50								4107		p. lo	f Z	
Phone #	# :			23E-03903					21 %	1				_	_	uest					
email or	Fax#:			Project Mana	ger:		=	0					SO4			ent)					
QA/QC F	Package:			Kent Stallings	S		(8021)	/ MRO)	PCB's		MS		PO4, §			Abse					
□ Stan	dard		☐ Level 4 (Full Validation)	kstallings@v	ertexresource.	.com	S	DRO/			8270SIMS					sut/					
Accredit			mpliance	Sampler:	L. Pullman		TMB	~	308	4.1)	827		NO ₂ ,			rese					
□ NEL/		□ Other		On Ice:		□ No	E	SRO	les/8	50	0 0	SE	NO ₃ ,		\Q	n (P					
□ EDD	(Type)	T		# of Coolers: Cooler Temp		3-0.2=0.1	MTBE	5D(C	Pesticides/8082	thoc	831	Meta		₹	(Semi-VOA)	Coliform (Present/Absent)					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / I	TPH:8015D(GRO	8081 Pes	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	Cl.F. Br,	8260 (VOA)	8270 (Se	Total Col					
08.08.25	8:00	Soil	BES25-30 4.1'	1, 4oz jar		-1	х	Х					Х								
08.08.25	8:05	Soil	BES25-31 4.1'	1, 4oz jar		-2	х	Х					Х								
08.08.25	8:10	Soil	BES25-32 4.1'	1, 4oz jar		-3	х	х					х								
08.08.25	8:15	Soil	BES25-33 4.1'	1, 4oz jar		-4	X	x					х								
08.08.25	8:20	Soil	BES25-34 4.1'	1, 4oz jar		-5	x	х					Х					\perp			
08.08.25	8:25	Soil	BES25-35 4.1'	1, 4oz jar		-6	Х	х					Х				\perp	\perp	\perp	Ш	
08.08.25	8:30	Soil	BES25-36 4.1'	1, 4oz jar		-7	X	х					Х							Ш	
08.08.25	8:35	Soil	BES25-37 4.1'	1, 4oz jar		-8	X	х					Х				\rightarrow	\perp		Ш	
08.08.25	8:40	Soil	BES25-38 4.1'	1, 4oz jar		-9	X	Х	Ш				X		_		\rightarrow	\perp		Ш	
08.08.25	8:45	Soil	BES25-39 4.1'	1, 4oz jar		-10	X	Х					Х					_			_
08.08.25	8:50	Soil	BES25-40 4.1'	1, 4oz jar		-11	Х	Х					Х					\perp		Ш	
08.08.25	8:55	Soil	BES25-41 4.1'	1, 4oz jar		-12	X	Х				\perp	Х								_
	Time: 0700	Relinquish	Puloin	Received by:		Date Time 8/11/25 710	Dire	ct bi		Devo	n wo	ork o					n Rale		ource.	.com,	,
Date:	Time:	Relinquish	ed by:	Received by:	Pria:	Date Time 7.130		-	Repo		cresc	urce	.con	n, an	d LF	Pullm	an@v	vertex	cresou	rce.c	on







	hain	-of-Cu	stody Record	Turn-Around	Time:									/T.					Ver
Client:		Vertex		72	hour Rusl	h			H							NM 3OF			
	(direct l	bill to Dev	on, work order 21185142)	Project Nam	e:							nallen							
Mailing	Address		,	Hackberry 1	8 Federal #00	2 Batterv		49	01 H							M 871	09	30	756
				Project #:						5-345						4107		p.	2of2
Phone:	#:			23E-03903				100	Jay	W.	180	_	lysis	_			7	HH	
email o	r Fax#:			Project Mana	ager:		=	6				SO			int)				
QA/QC I	Package	:		Kent Stalling	s		(8021)	DRO / MRO)	PCB's		Z S	PO ₄ , S			Abse				
□ Stan	dard		☐ Level 4 (Full Validation)	kstallings@v	ertexresource.	com	S	RO/			8270SIMS	J _P			ent/				9
Accredi			mpliance	Sampler:	L. Pullman	= N	TMB	_	Pesticides/8082	504.1)	1 82	NO		2	rese				1
□ NEL	_	□ Other		On Ice: # of Coolers:	A STATE OF THE PARTY OF THE PAR	□ No IAbby	₩ Ж	GRC	des/	d 50	001	S S		9	m F				
	(-)/			Cooler Temp		302:01	/ MTBE	5D(stici	(Method	/ 83		OA)	emi-	lifor				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX/	TPH:8015D(GRO	8081 Pe	EDB (M	PAHS by 8310	CI, F. Br. NO ₃ .	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
08.08.25	9:00	Soil	BES25-42 4.1'	1, 4oz jar		-13	Х	х				X	1						
08.08.25	9:05	Soil	BES25-43 4.1'	1, 4oz jar		-14	X	х				х							
08.08.25	9:10	Soil	BES25-44 4.1'	1, 4oz jar		-15	х	х				х							
08.08.25	9:15	Soil	BES25-45 4.1'	1, 4oz jar		-16	Х	Х	Н		+	X					+	H	
											+	+				_		\Box	
											1					\pm	\pm		
											+							H	
Date:	Time:	Relinquish Relinquish	Taxon/	Received by: Received by:	Via:	Date Time 8 4 700 Date Time	Dire	ect bi perm	II to I	verte:	work	orde	com,	SCa	rttar@	n Raleg @verte	xreso		com,
8/11/25	900 f necessary	CCCC, samples sub	mitted to Hall Environmental may be sub-	contracted to other	Courted aboratorie	s. This serves as notice of	30 for this poss	Final ibility.	Any su	ort b-contra	cted da	ata will t	oe clear	ly nota	ated on	the ana	ytical re	oort.	1.01.38

1 0

ဖ



| | -

රා

C

4

N

3/2

Login Sample Receipt Checklist

Client: Vertex Job Number: 885-30756-1

Login Number: 30756 List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Albuquerque

Report to: Kent Stallings



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Hackberry 18 Federal #002

Work Order: E508228

Job Number: 01058-0007

Received: 8/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/22/25

Kent Stallings 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Hackberry 18 Federal #002

Workorder: E508228

Date Received: 8/21/2025 7:30:00AM

Kent Stallings,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/21/2025 7:30:00AM, under the Project Name: Hackberry 18 Federal #002.

The analytical test results summarized in this report with the Project Name: Hackberry 18 Federal #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS25-01 0'	5
SS25-02 0'	6
SS25-03 0'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	Donoutode
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Kent Stallings	08/22/25 14:42

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS25-01 0'	E508228-01A Soil	08/20/25	08/21/25	Glass Jar, 4 oz.
SS25-02 0'	E508228-02A Soil	08/20/25	08/21/25	Glass Jar, 4 oz.
SS25-03 0'	E508228-03A Soil	08/20/25	08/21/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Kent Stallings	8/22/2025 2:42:54PM

SS25-01 0'

		E508228-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2534091
Benzene	ND	0.0250	1	08/21/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/21/25	08/21/25	
Toluene	ND	0.0250	1	08/21/25	08/21/25	
o-Xylene	ND	0.0250	1	08/21/25	08/21/25	
o,m-Xylene	ND	0.0500	1	08/21/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/21/25	08/21/25	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	08/21/25	08/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2534091
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/25	08/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		115 %	70-130	08/21/25	08/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KH		Batch: 2534088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/25	08/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/21/25	
Surrogate: n-Nonane		113 %	61-141	08/21/25	08/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2534079
Chloride	89.0	20.0	1	08/21/25	08/21/25	



Sample Data

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Kent Stallings	8/22/2025 2:42:54PM

SS25-02 0'

		E508228-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2534091
Benzene	ND	0.0250	1	08/21/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/21/25	08/21/25	
Toluene	ND	0.0250	1	08/21/25	08/21/25	
o-Xylene	ND	0.0250	1	08/21/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/21/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/21/25	08/21/25	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	08/21/25	08/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2534091
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/25	08/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/21/25	08/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2534088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/25	08/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/21/25	
Surrogate: n-Nonane		112 %	61-141	08/21/25	08/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2534079
Chloride	106	20.0	1	08/21/25	08/21/25	



Sample Data

Vertex Resource Services Inc.	Project Name:	Hackberry 18 Federal #002	
3101 Boyd Drive	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Kent Stallings	8/22/2025 2:42:54PM

SS25-03 0' E508228-03

		E508228-03				
Agaluta	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	n Frepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2534091
Benzene	ND	0.0250	1	08/21/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/21/25	08/21/25	
Toluene	ND	0.0250	1	08/21/25	08/21/25	
o-Xylene	ND	0.0250	1	08/21/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/21/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/21/25	08/21/25	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	08/21/25	08/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2534091
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/25	08/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/21/25	08/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2534088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/25	08/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/21/25	
Surrogate: n-Nonane		106 %	61-141	08/21/25	08/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2534079
Chloride	114	20.0	1	08/21/25	08/21/25	



QC Summary Data

Hackberry 18 Federal #002 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Kent Stallings 8/22/2025 2:42:54PM **Volatile Organics by EPA 8021B** Analyst: BA Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2534091-BLK1) Prepared: 08/21/25 Analyzed: 08/22/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.96 8.00 99.6 70-130 LCS (2534091-BS1) Prepared: 08/21/25 Analyzed: 08/21/25 70-130 5.14 5.00 103 0.0250 Benzene 70-130 Ethylbenzene 5.07 0.0250 5.00 101 5.12 5.00 102 70-130 Toluene 0.0250

o-Xylene	5.10	0.0250	5.00	10	102	70-130		
p,m-Xylene	10.3	0.0500	10.0	10	103	70-130		
Total Xylenes	15.4	0.0250	15.0	10	103	70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00	99	9.7	70-130		
Matrix Spike (2534091-MS1)				Source: E508	8229-0	2	Prepared: 08/21/25 Analyzed: 08/21/25	
Matrix Spike (2534091-MS1) Benzene	4.74	0.0250	5.00		8229-0 94.8	70-130	Prepared: 08/21/25 Analyzed: 08/21/25	
	4.74 4.66	0.0250 0.0250	5.00 5.00	ND 94			Prepared: 08/21/25 Analyzed: 08/21/25	
Benzene				ND 94 ND 93	4.8	70-130	Prepared: 08/21/25 Analyzed: 08/21/25	
Benzene Ethylbenzene	4.66	0.0250	5.00	ND 94 ND 93 ND 94)4.8)3.2	70-130 70-130	Prepared: 08/21/25 Analyzed: 08/21/25	

Ethylbenzene	4.66	0.0250	5.00	ND	93.2	70-130
Toluene	4.72	0.0250	5.00	ND	94.3	70-130
o-Xylene	4.72	0.0250	5.00	ND	94.5	70-130
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130
Total Xylenes	14.2	0.0250	15.0	ND	94.8	70-130
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130

Matrix Spike Dup (2534091-MSD1)				Source:	E508229-	02	Prepared: 08	3/21/25 Analyzed: 08/21/25
Benzene	5.04	0.0250	5.00	ND	101	70-130	6.16	27
Ethylbenzene	4.95	0.0250	5.00	ND	99.0	70-130	5.99	26
Toluene	5.01	0.0250	5.00	ND	100	70-130	6.07	20
o-Xylene	4.99	0.0250	5.00	ND	99.9	70-130	5.58	25
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	5.90	23
Total Xylenes	15.1	0.0250	15.0	ND	100	70-130	5.79	26
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130		

QC Summary Data

Hackberry 18 Federal #002 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Kent Stallings 8/22/2025 2:42:54PM

Carisoaa 14141, 00220		r roject ivianage.	. 120	an Stannings				-	
	Non	halogenated	Organics l	Analyst: BA					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2534091-BLK1)							Prepared: 0	8/21/25 Ana	lyzed: 08/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.53		8.00		107	70-130			
LCS (2534091-BS2)							Prepared: 08	8/21/25 Ana	lyzed: 08/21/25
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130			

Matrix Spike (2534091-MS2)			Source:	E508229-0	02	Prepared: 08	3/21/25 Analyzed: 08/21/25	
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130		
Matrix Spike Dup (2534091-MSD2)				Source:	E508229-0	02	Prepared: 08	8/21/25 Analyzed: 08/21/25
Matrix Spike Dup (2534091-MSD2) Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	Source:	E508229-0	70-130	0.333	8/21/25 Analyzed: 08/21/25 20

QC Summary Data

Vertex Resource Services Inc.Project Name:Hackberry 18 Federal #002Reported:3101 Boyd DriveProject Number:01058-0007Carlsbad NM, 88220Project Manager:Kent Stallings8/22/20252:42:54PM

Carlsbad NM, 88220		Project Manage	r: Ke	ent Stallings					8/22/2025 2:42:54PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2534088-BLK1)							Prepared: 0	8/21/25 A	nalyzed: 08/21/25
riesel Range Organics (C10-C28)	ND	25.0							
til Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.0		50.0		108	61-141			
.CS (2534088-BS1)							Prepared: 0	8/21/25 A	nalyzed: 08/21/25
iesel Range Organics (C10-C28)	309	25.0	250		124	66-144			
urrogate: n-Nonane	51.8		50.0		104	61-141			
Aatrix Spike (2534088-MS1)				Source:	E508227-0	01	Prepared: 0	8/21/25 A	nalyzed: 08/21/25
iesel Range Organics (C10-C28)	327	25.0	250	ND	131	56-156			
urrogate: n-Nonane	52.3		50.0		105	61-141			
Matrix Spike Dup (2534088-MSD1)				Source:	E508227-0	01	Prepared: 0	8/21/25 A	nalyzed: 08/21/25
riesel Range Organics (C10-C28)	349	25.0	250	ND	140	56-156	6.35	20	
urrogate: n-Nonane	59.0		50.0		118	61-141			

Matrix Spike Dup (2534079-MSD1)

Chloride

2200

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		•	Project Name: Hackberry 18 Federal #002 Project Number: 01058-0007 Project Manager: Kent Stallings						Reported: 8/22/2025 2:42:54PM
		Analyst: IY							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2534079-BLK1)							Prepared: 0	8/20/25 A	analyzed: 08/20/25
Chloride	ND	20.0							
LCS (2534079-BS1)							Prepared: 0	8/20/25 A	analyzed: 08/20/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2534079-MS1)			Source:	E508220-	24	Prepared: 0	8/20/25 A	analyzed: 08/20/25	
Chloride	2390	200	250	2190	79.5	80-120			M4

250

200

Source: E508220-24

3.40

80-120

8.29

2190

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 08/20/25 Analyzed: 08/20/25

20

Definitions and Notes

Vertex Resource Services Inc.Project Name:Hackberry 18 Federal #0023101 Boyd DriveProject Number:01058-0007Reported:Carlsbad NM, 88220Project Manager:Kent Stallings08/22/25 14:42

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



	Page
•	498
	of sox

Cha	in	of	Cus	tody
-----	----	----	-----	------

Client Information Invoice Informatio																								
												La	ıb Us	e On	ly				T/	AT.			State	
Client:	Vertex	c pe	<i>ν</i> αη	- 0 2	ı	Company: Pev	' 0∩		يا	ab V	νο# 0 δ		0	Job I			. [1D	2D	3D	Std	NM	CO UT	TX
Project N	lame: Ho	uckbe	ry 181	edz		Address:	. / 10		E	<u>E</u>	00	az.	7	UQ	<u> 27.</u>	W		X.						
	Nanager: K	ent si	Halling	2¢			nfile																	
Address:					— I I	Phone:			Analysis and Method								A Progra							
City, Stat	e, Zip:					mail:																SDWA	CWA	RCRA
Phone:	challe.	- () 1.0	- Lave Q as		_ ^	liscellaneous:			ļ	- 1										i		C!'	- 1 1/	- 1 N
Email: F	stalling	S D VIII	TEXRE	wice. a	<u>∽</u> ⊔ ∟				. 1	8015	8015			Chloride 300.0				99			Compliant PWSID #	e Y	or N	
•		<u> </u>		Sam	ple Informa	nation			_	à	þ	1021	92		Σ	ř	RCRA 8 Metals	on Pkg			PWSID#			
Time No of			pie ilitorilla	LIOII		ы ы	Lah	⊣	ğ)PRC	by 8	by 8	ide	ည်	1005	8	ı/Ani				Remarks			
Sampled	Date Sampled	Matrix	Containers			Sample ID			Lab Numb	er	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	亨	BGDOC - NM	ICEQ 1005 · TX	SS	Cation/Anion				ilciliai k3	
-	01 .		one					Ħ	•	"	.	<u> </u>			<u>√</u>				0		Н	0.		
1:20	8/20/25	<u> Soil</u>	402	ISSZ	5-01	0				ı	ΧI	X,	X		λ							a.W		
2:52	1,		1	CCA	~ .0	<i>a</i> /			2		$\overline{}$	П	T								П	OIL		
7:55				225	2-05				\mathcal{Q}		Ш											<u> </u>		
7:58	l I. I	9		1000	5-01 5-02 5-03	M /			3			J										2.0		
1.70	d/	<u> </u>	V	336	, 3 -0 -				7	4	1 /4	4	V		٧							$\frac{\alpha \cdot \cup}{\alpha \cdot \cup}$		
								1																
			<u> </u>					\vdash		\dashv	-	_					\rightarrow				\vdash			
Ì																								
										\dashv				-			-				\vdash			
										- 1							-							
-										寸														
			1																					
										\Box													·	
						<u> </u>																		
	1		İ											ŀ										
			<u> </u>					Ш		_						_	_							
			1																	1				
A -1 -1 -1 -	al Imako:		<u> </u>	<u> </u>			0.60035	اللا	ا ا															
Addition	al Instruction	15: W	0#	212	2047	O CE.	pumian (V VEC	tyc (CSU	uru		/η											į
I, (field samp	ler), attest to the	validity and	authenticity (of this sample	. I am aware tha	t tampering with or intention	onally mislabeling the	sample	e location	n. dat	e or ti	me of	collect	ion is c	onside	red fra	ud and	may	be gro	unds fo	or legal	action.		
Sampled by:	Stear	mie	. Mc	(art	4			•		•								•			•			
Relinquishe	d hv: (Signature	2)				Redejyed by: (Signatu	ye)	Date		_ [Time .		_			Sample	s requir	ing the	rmal pr	eservati	ion mus	t be received o	ice the day	hey are
	legh M	cell	8-	20-25	1245	Redeived by: (Signatu	c '-galeg	8.	10 17	2	l d	14:	2			sample	d or reci	eived p	acked i	n ice at	an avg 1	temp above 0 t	ut less than 6	°C on
Relinquistre	d by Signature	2) /	Date	26-25	Time	Received by: (Signatu	ıre)	Date		- 1	Time	110	_									e Only		
				ጥ ው	1447	Marissa &	conjuice	80	1025	1	لما	45	2			Rece	ived	on id	:e:	(Y))/ N			1
	ed by: (Signature		Date	12 15	165	Andreus	ire) A Å	Date	240	الهو	lime	1/	ا م،											1
	المائد مند		<u>ه الم</u>	10:92		Juwen		A R	.20.7	77		4	7			<u>T1</u>			_	<u>T2</u>			ТЗ	[
Relinquishe	ed by: (Signature	Alik	TO ON	2021	Time	Received by: Air natu	ire A A	P	-71.0		Time •	<u>ۍ</u>					-	۵۰						
	Andrew Musso 3.70.25 Time Cours Referred by: Rightabure Mark: S - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other						J. W.	Cont	ainer Ty	VDe.	9.0	<u> </u>) n - r	NV/PI			Tem		S V -	VOA				
				-10, 0 0 111101		arrangements are made	e. Hazardous samo															ne analysis r	of the abov	e samnles
		-		-		. The liability of the labo	•															011017313		p.c.

envirotech Inc.

Printed: 8/21/2025 9:27:06AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	08/21/25 0	07:30		Work Order ID:	E508228
Phone:	(575) 748-0176	Date Logged In:	08/20/25 1	4:37		Logged In By:	Noe Soto
Email:	kstallings@vertexresource.com	Due Date:		07:00 (0 day TAT)		
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier:	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	I samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
Cample T	i.e, 15 minute hold time, are not included in this disucssidurn Around Time (TAT)	on.				<u>comment</u>	
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			105				
	ample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	were custody/security seals intact?		No				
			NA				
12. Was the	e sample received on ice? Note: Thermal preservation is not required, if samples ar	e received within	Yes				
12 C C	15 minutes of sampling	£00C (0C:11 h -					
	OC for individual sample temps. Samples outside o	10 C-6 C will be	recorded i	n comments.			
Sample C			3.7				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	trip blank (TB) included for VOC analyses?	n	NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners conected?	Yes				
Field Lab		·····					
	field sample labels filled out with the minimum info ample ID?	nmation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filtration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and is	f so who?	NA	Subcontract L	ab: NA		
Client In	struction						

Date

Signature of client authorizing changes to the COC or sample disposition.

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 510028

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2317136603	
Incident Name	NAPP2317136603 HACKBERRY 18 FED 2 BATTERY @ FAPP2202048047	
Incident Type	Produced Water Release	
Incident Status	Reclamation Report Received	
Incident Facility	[fAPP2202048047] HACKBERRY 18 FED 2 BATTERY	

Location of Release Source		
Please answer all the questions in this group.		
Site Name	HACKBERRY 18 FED 2 BATTERY	
Date Release Discovered	06/19/2023	
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	Not answered.		
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 9 BBL Recovered: 1 BBL Lost: 8 BBL.		
Is the concentration of chloride in the produced water >10,000 mg/l	No		
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)	3" POLY LINE GOT A PIN HOLE DUE TO HIGH TEMPERATURES AND BURST. LINE WAS ISOLATED TO STOP THE LEAK, FLUIDS DID GO OFFSITE. 1 BBL RECOVERED. 8.8 BBLS ESTIMATED RELEASED ONTO PAD.		

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 510028

QUESTIONS (continued)

Q02011	orto (continuou)	
Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137	
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 510028	
Grianoma Gity, GR 73102	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	
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.	e. gas only) are to be submitted on the C-129 form.	
Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	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.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/29/2025	

Phone: (505) 629-6116 Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 510028

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	NM OSE iWaters Database Search		
Did this release impact groundwater or surface water	No		
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:			
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)		
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)		
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)		
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)		
Any other fresh water well or spring	Between ½ and 1 (mi.)		
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)		
A wetland	Between ½ and 1 (mi.)		
A subsurface mine	Between 1 and 5 (mi.)		
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)		
Categorize the risk of this well / site being in a karst geology	Medium		
A 100-year floodplain	Between 1 and 5 (mi.)		
Did the release impact areas not on an exploration, development, production, or storage site	Yes		

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	9200	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8600	
GRO+DRO (EPA SW-846 Method 8015M)	4900	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	12/14/2023	
On what date will (or did) the final sampling or liner inspection occur	03/14/2025	
On what date will (or was) the remediation complete(d)	02/16/2024	
What is the estimated surface area (in square feet) that will be reclaimed	7318	
What is the estimated volume (in cubic yards) that will be reclaimed	827	
What is the estimated surface area (in square feet) that will be remediated	7318	
What is the estimated volume (in cubic yards) that will be remediated	827	
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.

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 4

Action 510028

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Yes		
fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL		
Not answered.		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: jim.raley@dvn.com
Date: 09/29/2025

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 510028

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Action 510028

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	492040
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/08/2025
What was the (estimated) number of samples that were to be gathered	38
What was the sampling surface area in square feet	4412

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	8740	
What was the total volume (cubic yards) remediated	980	
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	8740	
What was the total volume (in cubic yards) reclaimed	980	
Summarize any additional remediation activities not included by answers (above)	As detailed in attached report.	

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

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

Name: James Raley
I hereby agree and sign off to the above statement
Email: jim.raley@dvn.com
Date: 09/29/2025

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 510028

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	8740
What was the total volume of replacement material (in cubic yards) for this site 980	
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 6 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable mate to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	10/30/2025
Summarize any additional reclamation activities not included by answers (above)	As detailed in attached report.
	eclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a 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 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 a does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed no notification to the OCD when reclamation and re-vegetation are complete.

Name: James Raley Title: EHS Professional

Email: jim.raley@dvn.com Date: 09/29/2025

I hereby agree and sign off to the above statement

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 8

Action 510028

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report		
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.		
Requesting a restoration complete approval with this submission	No	
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.		

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 510028

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	510028
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created B	Condition	Condition Date
rhamlet	We have received your reclamation/remediation closure report for Incident #NAPP2317136603 HACKBERRY 18 FED 2 BATTERY, thank you. The reclamation/remediation closure report is approved.	11/13/2025