



25A-03813

## Reclamation Closure

Bell Lake 19 State #001H  
nAPP2208125818

**Prepared for:**

Devon Energy Production Company, LP

**Prepared by:**

Vertex Resource Services Inc.

**Date:**

July 2025

**Devon Energy Production Company, LP**  
Bell Lake 19 State #001H

**Reclamation Closure**  
July 2025

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**Reclamation Closure**  
**Bell Lake 19 State #001H**

Prepared for:

**Devon Energy Production Company, LP**  
5315 Buena Vista Drive  
Carlsbad, New Mexico 88220

Prepared by:

**Vertex Resource Services Inc.**  
3101 Boyd Drive  
Carlsbad, New Mexico 88220

  
\_\_\_\_\_  
John Rewis, B.Sc.  
ENVIRONMENTAL TECHNICIAN, REPORTING

November 25, 2025  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Sally Carttar  
PROJECT MANAGER, REPORT REVIEW

November 25, 2025  
\_\_\_\_\_  
Date

**Devon Energy Production Company, LP**  
Bell Lake 19 State #001H

**Reclamation Closure**  
July 2025

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## Executive Summary

Devon Energy Production Company, LP retained Vertex Resource Services Inc. to complete a reclamation closure for the Bell Lake 19 State #001H located on state land in Unit M, Section 19, Township 24 South, Range 33 East (hereafter referred to as "site"). The site visit was conducted on July 8, 2025.

The site was remediated to reclamation criteria at the time of the incident then backfilled with clean locally sourced material. A sample of the backfill was submitted for laboratory analysis, analyzed for contaminants, and found to be below the strictest criteria. The soil quality of the backfill was tested and compared to the soil quality in the surrounding undisturbed pastureland. The soil samples were field tested for pH, nitrogen, phosphorous, and potassium. Results showed soil samples had comparable concentrations of nutrients as the pastureland control.

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**Devon Energy Production Company, LP**  
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## 1.0 Introduction

Devon Energy Production Company, LP retained Vertex Resource Services Inc. (Vertex) to complete a reclamation closure for the Bell Lake 19 State #001H located on state land in Unit M, Section 19, Township 24 South, Range 33 East (hereafter referred to as “site”). The site visit was conducted on July 8, 2025.

This document provides a description of the site, summary of the previous environmental work, and details of the fulfillment of the reclamation criteria for the incident nAPP2208125818.

## 2.0 Site Evaluation

The site had been previously excavated to reclamation criteria by Vertex. The Remediation Closure Report was accepted by New Mexico Oil Conservation Division on May 2, 2024. The release area encompassed areas both on the production pad and in the pastureland.

## 3.0 Reclamation Compliance

### 3.1 Backfill Sample

The location was initially backfilled on August 2, 2022, following the completion of remediation activities. A sample of the backfill material was collected on July 8, 2025, and analyzed by Eurofins Environmental Testing for constituents regulated under *New Mexico Administrative Code* 19.15.29.12, Table 1. Analytical results confirmed that the backfill material was in compliance with the applicable reclamation standards (Appendix B).

### 3.2 Backfill Quality in the Pastureland

A sample of the topsoil used to backfill the top foot of pastureland was analyzed for soil quality, with nearby historically undisturbed pastureland serving as a control. Both samples were field-tested for pH, nitrogen, phosphorus, and potassium concentrations.

The pH was evaluated using a pH indicator and categorized as alkaline, neutral, or acidic. Nutrient concentrations for nitrogen, phosphorus, and potassium were assigned qualitative rankings of very low, low, medium, or high based on optical density. These rankings were standardized by placing the vials against a white background and referencing a color chart. Additionally, visual comparisons of sample opacity were used to assess relative nutrient concentrations between the backfill and control samples.

The results indicated that in both the backfill and control samples nitrogen concentrations were classified as very low, phosphorus concentrations were high, potassium concentrations were medium, and pH levels were determined to be alkaline. These similarities in nutrient levels demonstrate that the backfill material is generally comparable to the surrounding undisturbed pastureland, supporting its suitability for reclamation (Appendix A).

### 3.3 Regrowth in the Pastureland

The pastureland areas of the release showed dense healthy growth of vegetation with various types of grasses, bushes, and flowers such as broom snakeweed and native daisies. The surrounding undisturbed pastureland was primarily composed of similar native vegetation. The matching flora suggests the clean nutrient rich topsoil is being

Devon Energy Production Company, LP  
Bell Lake 19 State #001H

Reclamation Closure  
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naturally revegetated by the undisturbed pastureland. The land in the release area has been effectively contoured to

### 3.4 Production Pad

The release area impacted an oil and gas pad still necessary for operations. These sections, noted in the figure as “4’ East Excavation Area”, “4’ North Excavation Area”, “4’ South Excavation Area”, and “2’ Excavation Area”, were remediated to reclamation standards then backfilled with clean locally sourced caliche. Minimal plant growth is sanctioned on areas necessary for operations. Restoration of the on-pad release area will be completed at such time as all oil and gas activities are terminated and the site is reclaimed as per NMAC 19.15.29.13.

## 4.0 Revegetation Plan and Monitoring Program

Following decommission of the oil and gas production pad, seeding will occur per the landowners’ guidelines. 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.

### 4.1 Final Assessment and Closure Request

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.

## 5.0 Reclamation Closure Request

Vertex Resource Group requests on behalf of Devon Energy that Reclamation Closure is accepted for incident nAPP2208125818.

Should you have any questions or concerns, please do not hesitate to contact Sally Carttar at 575.361.3561 or [scarttar@vertexresource.com](mailto:scarttar@vertexresource.com)

**Devon Energy Production Company, LP**  
Bell Lake 19 State #001H

**Reclamation Closure**  
July 2025

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## 6.0 Limitations

This report has been prepared for the sole benefit of Devon Energy. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon Energy. 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**



- |                                     |  |   |   |
|-------------------------------------|--|---|---|
| ● Base Sample (Prefixed by "BS22-") | 4' Center Excavation Area (~390 sq. ft.) | 4' Northwest Excavation Area (~941 sq. ft.) | <b>Total Excavation Area ~3,327 sq. ft.</b> |
| ▲ Wall Sample (Prefixed by "WS22-") | 4' East Excavation Area (~425 sq. ft.)   | 4' South Excavation Area (~65 sq. ft.)      |   |
| 2' Excavation Area (~1394 sq. ft.)  | 4' North Excavation Area (~112 sq. ft.)  |   |   |



Map Center:  
Lat/Long: 32.196684, -103.618253

NAD 1983 UTM Zone 13N  
Date: Sep 08/22



### Confirmatory Sample Locations Bell Lake 19 State #001H

FIGURE:

1



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

Note: Background imagery from Maxar, 2020. Features from GPS. Vertex Professional Services Ltd., 2022.

VERSATILITY. EXPERTISE.

## **TABLES**

Client Name: Devon Energy Production Company, LP  
 Site Name: Bell Lake 19 State #001H  
 NM OCD Tracking #: nAPP2208125818  
 Project #: 25A-03813  
 Lab Reports: 2207349, 2207412, 2207815, and 2207C30

Table 1. Confirmatory and Backfill Sample Laboratory Results										
Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
Backfill Sample										
Backfill	-	July 8, 2025	ND	ND	ND	10	ND	10	10	ND
Off-Pad Confirmation Samples										
BS22-01	2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-02	2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-03	2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-04	4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	210
BS22-05	4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	79
BS22-06	4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-07	4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-08	4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-09	2	July 7, 2022	ND	ND	ND	27	ND	27	27	ND
BS22-10	2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-11	2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-12	2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-01	0-4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-02	0-4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	110
WS22-03	0-4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-04	2-4	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-05	0-2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-06	0-2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-07	0-2	July 7, 2022	ND	ND	ND	ND	ND	ND	ND	ND
On-Pad Confirmation Samples										
BS22-13	4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	96
BS22-14	4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	180
BS22-15	4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	210
BS22-16	4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-17	4	July 22, 2022	ND	ND	ND	ND	ND	ND	ND	ND
BS22-18	4	July 22, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-08	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-09	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-10	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-11	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-12	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-13	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-14	0-4	July 8, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-15	0-4	July 22, 2022	ND	ND	ND	ND	ND	ND	ND	64
WS22-16	0-4	July 22, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-17	0-4	July 22, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-18	0-4	July 22, 2022	ND	ND	ND	ND	ND	ND	ND	ND
WS22-19	0-4	July 13, 2022	ND	ND	ND	ND	ND	ND	ND	170

"ND" Not Detected at the Reporting Limit

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

\*Data originally submitted in the report accepted May 2, 2024 under incident nAPP2208125818



## **APPENDIX A**



## Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	4/25/2022
Site Location Name:	Bell Lake 19 State #1H	Report Run Date:	4/26/2022 8:42 PM
Client Contact Name:	Wes Matthews	API #:	30-025-41024
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	4/25/2022 9:20 AM
Departed Site	4/25/2022 3:00 PM

### Field Notes

- 9:24** On site to begin delineation.
- 11:37** Collected BH22-01 through BH22-06 at 0' and 2'. All clean on all field screening.
- 13:59** Collected BH22-07 through BH22-11 at 0' and 2'. All clean on all field screening.
- 14:10** Site has a good horizontal delineation. Will just need a vertical delineation when we return.

### Next Steps & Recommendations

- 1** Vertical delineation.

## Daily Site Visit Report



## Site Photos

Viewing Direction: North



Spill area

Viewing Direction: West



Sample area for BH22-06

Viewing Direction: South



Sample area for BH22-07 and BH22-08

Viewing Direction: Southeast



Sample area for BH22-09 and BH22-10



## Daily Site Visit Report

Viewing Direction: Southwest



Sample area for BH22-11

Viewing Direction: Northeast



Spill area

Viewing Direction: South



Spill area

Viewing Direction: South



Spill area





## Daily Site Visit Report

Viewing Direction: South



Sample area for BH22-01

Viewing Direction: West



Sample area for BH22-02

Viewing Direction: South



Sample area for BH22-03

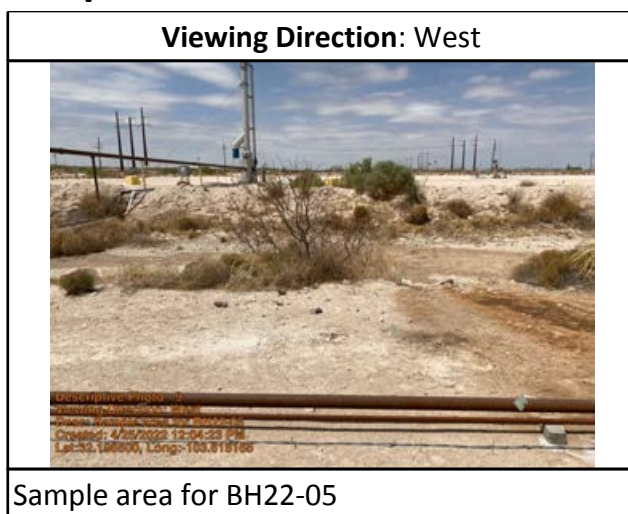
Viewing Direction: West



Sample area for BH22-04



## Daily Site Visit Report



## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

A handwritten signature in black ink, appearing to be 'CD', written over a horizontal line.

Signature



## Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	7/6/2022
Site Location Name:	Bell Lake 19 State #1H	Report Run Date:	7/6/2022 10:19 PM
Client Contact Name:	Wes Matthews	API #:	30-025-41024
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	7/6/2022 8:30 AM
Departed Site	7/6/2022 3:50 PM

### Field Notes

- 15:04** Arrived on location and began digging out spill area
- 15:05** Dug south portion of excavation down 2 feet and west portion of excavation down to 4'
- 15:06** Collected and field screened samples BS22-01 through BS22-05, and field screened samples. Samples returned clean on chlorides. Did not run BS22-01 for PetroFlag due to lack of supplies
- 15:07** Checked eastern release area for one-call markings
- 15:27** Field screened WS22-01 and WS22-02 for chlorides and both samples returned clean

### Next Steps & Recommendations

- 1 Continue with excavating eastern release and confirmation sampling



# Daily Site Visit Report



## Site Photos

**Viewing Direction: Northeast**



Southern portion of excavation @ 2'

**Viewing Direction: North**



Southern section of pit

**Viewing Direction: Northwest**



Central section of excavation and west wall

**Viewing Direction: South**



Northern portion of excavation



## Daily Site Visit Report

Viewing Direction: Southeast



Northern portion of excavation

## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** McKitric Wier

**Signature:**

A handwritten signature in black ink, consisting of several loops and peaks, written over a horizontal line.

Signature



## Daily Site Visit Report

Client:	Devon Energy Corporation	Incident ID #:	nAPP2208125818
Site Location Name:	Bell Lake 19 State #1H	API #:	30-025-41024
Inspection Date:	7/8/2025		

### Summary of Times

Arrived at Site	7/8/2025 11:07 AM
Departed Site	7/8/2025 1:30 PM

## Daily Site Visit Report



Site Sketch

Site Sketch

## Daily Site Visit Report



### Field Notes

- 11:37** Completed safety paperwork upon arrival
- 11:38** Photographed the area and plant regrowth
- 13:20** Collected a sample from the backfilled area and pastureland outside of oil and gas production areas
- 13:20** The backfill area has near full coverage of plant species
- 13:21** The soil quality of the backfill sample and pastureland sample are comparable

### Next Steps & Recommendations

1

# Daily Site Visit Report



## Site Photos

**Viewing Direction: Southeast**



Area south of the excavation flooded with standing water

**Viewing Direction: West**



Area west of the former excavation displays native daisy growth





## Daily Site Visit Report

Viewing Direction: South



Grasses offer near full coverage of the center of the former excavation area. The center of the former excavation appear to be slightly lower lying than the east edge leaving it likely subjected to flooding during rainy events.

Viewing Direction: South



Native flowering species are present in the north of the former excavation area





## Daily Site Visit Report

**Viewing Direction: South**



Descriptive Photo - 8  
Viewing Direction: South  
Desc: A dense patch of various bushes, flowers, and grasses line the east side of  
Created: 7/9/2025 12:05:12 PM  
Lat: 32.196527, Long: -103.618228

A dense patch of various bushes, flowers, and grasses line the east side such as broom snake weed, daisies, and more. While this area has a wider variety of plants, many of these species are the same as the ones growing in the lower lying center area.

**Viewing Direction: South**



Descriptive Photo - 8  
Viewing Direction: South  
Desc: In the southern area of the former excavation the species dominance changes  
Created: 7/9/2025 12:05:12 PM  
Lat: 32.196527, Long: -103.618228

In the southern area of the former excavation the species dominance changes to nightshade flowers, bristle grass, and an immature daisy species

**Viewing Direction: Southwest**



Descriptive Photo - 8  
Viewing Direction: Southwest  
Desc: Backfill collected from the former excavation area  
Created: 7/9/2025 12:05:12 PM  
Lat: 32.196527, Long: -103.618228

Backfill collected from former excavation area

**Viewing Direction: Northwest**



Descriptive Photo - 8  
Viewing Direction: Northwest  
Desc: Overview of backfilled area  
Created: 7/9/2025 12:05:12 PM  
Lat: 32.196527, Long: -103.618228

Overview of backfilled area



## Daily Site Visit Report

Viewing Direction: West



Minimal plant growth occurs in the flooded area south of the excavation. This suggests flooding may inhibit plant growth.

Viewing Direction: North



The pasture sample was collected approximately 275ft south of the former excavation area to be clear of any oil and gas production area. Vegetation in this area is comprised of primarily grasses with interspersed daisies and mesquite bushes





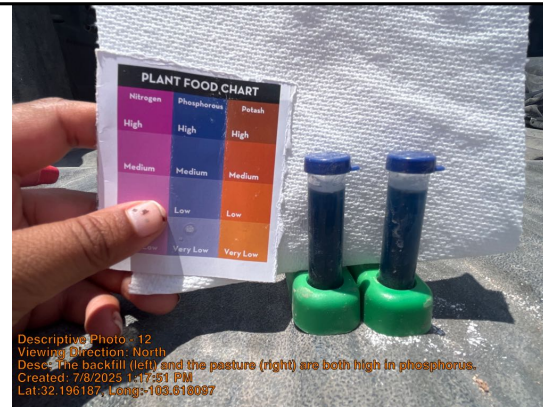
## Daily Site Visit Report

Viewing Direction: North



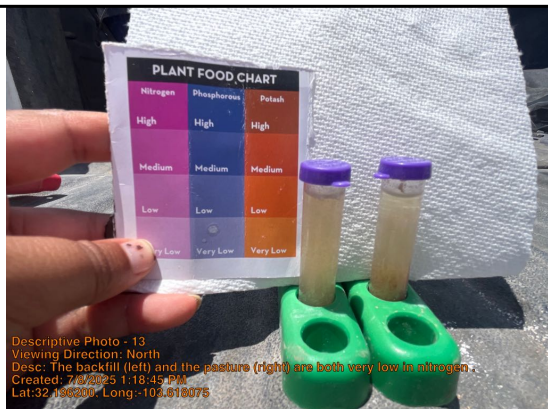
PH for both the backfill (left) and backfill (right) is alkaline with the backfill being slightly more alkaline

Viewing Direction: North



The backfill (left) and the pasture (right) are both high in phosphorus.

Viewing Direction: North



The backfill (left) and the pasture (right) are both very low in nitrogen .

Viewing Direction: North



The backfill (left) and the pasture (right) are both medium in potassium.

## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Katrina Taylor

**Signature:**

A handwritten signature in black ink, appearing to be 'KT', written over a horizontal line. Below the line, the word 'Signature' is printed in a small font.

## **APPENDIX B**



Environment Testing

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2

3

4

5

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11

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Sally Carttar  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 7/18/2025 6:53:27 PM

## JOB DESCRIPTION

Bell Lake 19 Satte 1H

## JOB NUMBER

885-28667-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

See page two for job notes and contact information.

# Eurofins Albuquerque

## Job Notes

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

## Authorization



Generated  
7/18/2025 6:53:27 PM

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

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Laboratory Job ID: 885-28667-1

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## Definitions/Glossary

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

## Glossary

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

**Case Narrative**

Client: Vertex  
Project: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

**Job ID: 885-28667-1****Eurofins Albuquerque****Job Narrative  
885-28667-1**

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 7/12/2025 8:15 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 5.8°C.

**Gasoline Range Organics**

Method 8015D\_GRO: The matrix spike duplicate (MSD) recovery for preparation batch 885-30055 and analytical batch 885-30187 is outside acceptance limits for Gasoline Range Organics (GRO)-C6-C10. These analytes are also outside of control limits for the associated laboratory control sample (LCS). GRO recovery on instrument is high, but all samples are ND, therefore the results are reported.

The following sample is associated (LCS 885-30055/2-A).

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

**GC VOA**

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

**Diesel Range Organics**

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

**HPLC/IC**

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

Eurofins Albuquerque

## Client Sample Results

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

Client Sample ID: Backfill

Lab Sample ID: 885-28667-1

Date Collected: 07/08/25 12:00

Matrix: Solid

Date Received: 07/12/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	+	4.8	mg/Kg		07/14/25 11:23	07/16/25 00:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			07/14/25 11:23	07/16/25 00:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/14/25 11:23	07/16/25 00:30	1
Ethylbenzene	ND		0.048	mg/Kg		07/14/25 11:23	07/16/25 00:30	1
Toluene	ND		0.048	mg/Kg		07/14/25 11:23	07/16/25 00:30	1
Xylenes, Total	ND		0.095	mg/Kg		07/14/25 11:23	07/16/25 00:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			07/14/25 11:23	07/16/25 00:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		9.3	mg/Kg		07/16/25 12:29	07/18/25 16:04	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/16/25 12:29	07/18/25 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			07/16/25 12:29	07/18/25 16:04	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/14/25 17:23	07/15/25 22:01	20

Eurofins Albuquerque

## QC Sample Results

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

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

Lab Sample ID: MB 885-30055/1-A

Matrix: Solid

Analysis Batch: 30187

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30055

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/14/25 11:23	07/15/25 17:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			07/14/25 11:23	07/15/25 17:35	1

Lab Sample ID: LCS 885-30055/2-A

Matrix: Solid

Analysis Batch: 30187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	33.6	*+	mg/Kg		135	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	237		15 - 150				

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

Lab Sample ID: MB 885-30055/1-A

Matrix: Solid

Analysis Batch: 30186

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30055

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/14/25 11:23	07/15/25 17:35	1
Ethylbenzene	ND		0.050	mg/Kg		07/14/25 11:23	07/15/25 17:35	1
Toluene	ND		0.050	mg/Kg		07/14/25 11:23	07/15/25 17:35	1
Xylenes, Total	ND		0.10	mg/Kg		07/14/25 11:23	07/15/25 17:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/14/25 11:23	07/15/25 17:35	1

Lab Sample ID: LCS 885-30055/3-A

Matrix: Solid

Analysis Batch: 30186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.956		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.958		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	2.00	1.95		mg/Kg		98	70 - 130
o-Xylene	1.00	0.977		mg/Kg		98	70 - 130
Toluene	1.00	0.930		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		15 - 150				

Eurofins Albuquerque

## QC Sample Results

Client: Vertex

Job ID: 885-28667-1

Project/Site: Bell Lake 19 Satte 1H

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

Lab Sample ID: MB 885-30231/1-A

Matrix: Solid

Analysis Batch: 30397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30231

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		07/16/25 12:29	07/18/25 14:50	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		07/16/25 12:29	07/18/25 14:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	116		62 - 134			07/16/25 12:29	07/18/25 14:50	1

Lab Sample ID: LCS 885-30231/2-A

Matrix: Solid

Analysis Batch: 30397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	44.3		mg/Kg		89	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	91		62 - 134				

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-30097/1-A

Matrix: Solid

Analysis Batch: 30137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30097

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		07/14/25 17:23	07/15/25 12:43	1

Lab Sample ID: LCS 885-30097/2-A

Matrix: Solid

Analysis Batch: 30137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	15.1		mg/Kg		100	90 - 110

Eurofins Albuquerque

QC Association Summary

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

GC VOA

Prep Batch: 30055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	5030C	
MB 885-30055/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-30055/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-30055/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 30186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	8021B	30055
MB 885-30055/1-A	Method Blank	Total/NA	Solid	8021B	30055
LCS 885-30055/3-A	Lab Control Sample	Total/NA	Solid	8021B	30055

Analysis Batch: 30187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	8015M/D	30055
MB 885-30055/1-A	Method Blank	Total/NA	Solid	8015M/D	30055
LCS 885-30055/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	30055

GC Semi VOA

Prep Batch: 30231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	SHAKE	
MB 885-30231/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-30231/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 30397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	8015M/D	30231
MB 885-30231/1-A	Method Blank	Total/NA	Solid	8015M/D	30231
LCS 885-30231/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	30231

HPLC/IC

Prep Batch: 30097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	300_Prep	
MB 885-30097/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-30097/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 30137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28667-1	Backfill	Total/NA	Solid	300.0	30097
MB 885-30097/1-A	Method Blank	Total/NA	Solid	300.0	30097
LCS 885-30097/2-A	Lab Control Sample	Total/NA	Solid	300.0	30097

Lab Chronicle

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

**Client Sample ID: Backfill**  
**Date Collected: 07/08/25 12:00**  
**Date Received: 07/12/25 08:15**

**Lab Sample ID: 885-28667-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30055	AT	EET ALB	07/14/25 11:23
Total/NA	Analysis	8015M/D		1	30187	AT	EET ALB	07/16/25 00:30
Total/NA	Prep	5030C			30055	AT	EET ALB	07/14/25 11:23
Total/NA	Analysis	8021B		1	30186	AT	EET ALB	07/16/25 00:30
Total/NA	Prep	SHAKE			30231	JM	EET ALB	07/16/25 12:29
Total/NA	Analysis	8015M/D		1	30397	DH	EET ALB	07/18/25 16:04
Total/NA	Prep	300_Prep			30097	MA	EET ALB	07/14/25 17:23
Total/NA	Analysis	300.0		20	30137	MA	EET ALB	07/15/25 22:01

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



Accreditation/Certification Summary

Client: Vertex  
Project/Site: Bell Lake 19 Satte 1H

Job ID: 885-28667-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-26

Released to Imaging: 1/30/2026 10:56:34 AM

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.

## **APPENDIX C**

## Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-28667-1

Login Number: 28667

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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

May 09, 2022

Monica Peppin

Devon Energy

6488 Seven Rivers Highway

Artesia, NM 88210

TEL: (505) 350-1336

FAX

RE: Bell Lake 19 1H

OrderNo.: 2204B43

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 11 sample(s) on 4/27/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-01 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 10:00:00 AM

Lab ID: 2204B43-001

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	5/2/2022 11:15:03 AM
Motor Oil Range Organics (MRO)	49	49		mg/Kg	1	5/2/2022 11:15:03 AM
Surr: DNOP	93.9	51.1-141		%Rec	1	5/2/2022 11:15:03 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/28/2022 8:35:00 PM
Surr: BFB	110	37.7-212		%Rec	1	4/28/2022 8:35:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	4/28/2022 8:35:00 PM
Toluene	ND	0.047		mg/Kg	1	4/28/2022 8:35:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/28/2022 8:35:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	4/28/2022 8:35:00 PM
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	4/28/2022 8:35:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	ND	60		mg/Kg	20	5/3/2022 3:08:54 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-02 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 10:10:00 AM

Lab ID: 2204B43-002

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	15	9.6		mg/Kg	1	5/2/2022 11:47:10 AM
Motor Oil Range Organics (MRO)	61	48		mg/Kg	1	5/2/2022 11:47:10 AM
Surr: DNOP	84.4	51.1-141		%Rec	1	5/2/2022 11:47:10 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/28/2022 8:54:00 PM
Surr: BFB	106	37.7-212		%Rec	1	4/28/2022 8:54:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	4/28/2022 8:54:00 PM
Toluene	ND	0.050		mg/Kg	1	4/28/2022 8:54:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/28/2022 8:54:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/28/2022 8:54:00 PM
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	4/28/2022 8:54:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	ND	60		mg/Kg	20	5/3/2022 3:21:15 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-03 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 10:20:00 AM

Lab ID: 2204B43-003

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	10	9.5		mg/Kg	1	5/2/2022 11:57:56 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/2/2022 11:57:56 AM
Surr: DNOP	84.3	51.1-141		%Rec	1	5/2/2022 11:57:56 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/28/2022 9:14:00 PM
Surr: BFB	108	37.7-212		%Rec	1	4/28/2022 9:14:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	4/28/2022 9:14:00 PM
Toluene	ND	0.048		mg/Kg	1	4/28/2022 9:14:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/28/2022 9:14:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	4/28/2022 9:14:00 PM
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	4/28/2022 9:14:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	ND	60		mg/Kg	20	5/3/2022 4:22:58 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-04 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 10:30:00 AM

Lab ID: 2204B43-004

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/2/2022 1:30:58 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/2/2022 1:30:58 PM
Surr: DNOP	82.0	51.1-141		%Rec	1	5/2/2022 1:30:58 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/28/2022 9:34:00 PM
Surr: BFB	108	37.7-212		%Rec	1	4/28/2022 9:34:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	4/28/2022 9:34:00 PM
Toluene	ND	0.048		mg/Kg	1	4/28/2022 9:34:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/28/2022 9:34:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	4/28/2022 9:34:00 PM
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	4/28/2022 9:34:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	62	60		mg/Kg	20	5/3/2022 4:35:19 PM

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

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

## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-05 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 10:40:00 AM

Lab ID: 2204B43-005

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/2/2022 2:13:09 PM
Motor Oil Range Organics (MRO)	51	49		mg/Kg	1	5/2/2022 2:13:09 PM
Surr: DNOP	57.3	51.1-141		%Rec	1	5/2/2022 2:13:09 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/28/2022 9:53:00 PM
Surr: BFB	106	37.7-212		%Rec	1	4/28/2022 9:53:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	4/28/2022 9:53:00 PM
Toluene	ND	0.048		mg/Kg	1	4/28/2022 9:53:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/28/2022 9:53:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	4/28/2022 9:53:00 PM
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	4/28/2022 9:53:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	ND	61		mg/Kg	20	5/3/2022 4:47:39 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-06 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 10:50:00 AM

Lab ID: 2204B43-006

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/2/2022 2:26:57 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/2/2022 2:26:57 PM
Surr: DNOP	55.3	51.1-141		%Rec	1	5/2/2022 2:26:57 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/28/2022 10:13:00 PM
Surr: BFB	103	37.7-212		%Rec	1	4/28/2022 10:13:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	4/28/2022 10:13:00 PM
Toluene	ND	0.046		mg/Kg	1	4/28/2022 10:13:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/28/2022 10:13:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	4/28/2022 10:13:00 PM
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	4/28/2022 10:13:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	340	60		mg/Kg	20	5/3/2022 4:59:59 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-07 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 12:30:00 PM

Lab ID: 2204B43-007

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/2/2022 2:40:51 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/2/2022 2:40:51 PM
Surr: DNOP	52.1	51.1-141		%Rec	1	5/2/2022 2:40:51 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/28/2022 10:33:00 PM
Surr: BFB	106	37.7-212		%Rec	1	4/28/2022 10:33:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	4/28/2022 10:33:00 PM
Toluene	ND	0.049		mg/Kg	1	4/28/2022 10:33:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/28/2022 10:33:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/28/2022 10:33:00 PM
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	4/28/2022 10:33:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	71	60		mg/Kg	20	5/3/2022 5:12:20 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-08 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 12:40:00 PM

Lab ID: 2204B43-008

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/2/2022 2:54:42 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/2/2022 2:54:42 PM
Surr: DNOP	57.2	51.1-141		%Rec	1	5/2/2022 2:54:42 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/28/2022 10:52:00 PM
Surr: BFB	105	37.7-212		%Rec	1	4/28/2022 10:52:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	4/28/2022 10:52:00 PM
Toluene	ND	0.048		mg/Kg	1	4/28/2022 10:52:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/28/2022 10:52:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	4/28/2022 10:52:00 PM
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	4/28/2022 10:52:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: NAI
Chloride	75	60		mg/Kg	20	5/3/2022 5:24:41 PM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-09 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 12:50:00 PM

Lab ID: 2204B43-009

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	9.9	9.4		mg/Kg	1	5/2/2022 9:44:05 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/2/2022 9:44:05 PM
Surr: DNOP	82.5	51.1-141		%Rec	1	5/2/2022 9:44:05 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/28/2022 11:12:00 PM
Surr: BFB	106	37.7-212		%Rec	1	4/28/2022 11:12:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	4/28/2022 11:12:00 PM
Toluene	ND	0.048		mg/Kg	1	4/28/2022 11:12:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/28/2022 11:12:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	4/28/2022 11:12:00 PM
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/28/2022 11:12:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: CAS
Chloride	72	59		mg/Kg	20	5/4/2022 1:23:41 AM

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

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

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## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-10 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 1:00:00 PM

Lab ID: 2204B43-010

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: ED
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/30/2022 6:06:34 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/30/2022 6:06:34 AM
Surr: DNOP	62.4	51.1-141		%Rec	1	4/30/2022 6:06:34 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/29/2022 4:07:00 PM
Surr: BFB	105	37.7-212		%Rec	1	4/29/2022 4:07:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	4/29/2022 4:07:00 PM
Toluene	ND	0.049		mg/Kg	1	4/29/2022 4:07:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/29/2022 4:07:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/29/2022 4:07:00 PM
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	4/29/2022 4:07:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: CAS
Chloride	69	60		mg/Kg	20	5/4/2022 1:36:05 AM

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

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

## Analytical Report

Lab Order 2204B43

Date Reported: 5/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-11 0'

Project: Bell Lake 19 1H

Collection Date: 4/25/2022 1:10:00 PM

Lab ID: 2204B43-011

Matrix: SOIL

Received Date: 4/27/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/2/2022 11:19:01 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/2/2022 11:19:01 PM
Surr: DNOP	84.5	51.1-141		%Rec	1	5/2/2022 11:19:01 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/29/2022 5:06:00 PM
Surr: BFB	108	37.7-212		%Rec	1	4/29/2022 5:06:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	4/29/2022 5:06:00 PM
Toluene	ND	0.048		mg/Kg	1	4/29/2022 5:06:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/29/2022 5:06:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	4/29/2022 5:06:00 PM
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	4/29/2022 5:06:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: CAS
Chloride	74	60		mg/Kg	20	5/4/2022 1:48:29 AM

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204B43

09-May-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 1H

Sample ID: <b>MB-67220</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67220</b>	RunNo: <b>87697</b>								
Prep Date: <b>5/3/2022</b>	Analysis Date: <b>5/4/2022</b>	SeqNo: <b>3105990</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67220</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67220</b>	RunNo: <b>87697</b>								
Prep Date: <b>5/3/2022</b>	Analysis Date: <b>5/4/2022</b>	SeqNo: <b>3105991</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: <b>MB-67219</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67219</b>	RunNo: <b>87695</b>								
Prep Date: <b>5/3/2022</b>	Analysis Date: <b>5/3/2022</b>	SeqNo: <b>3106788</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67219</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67219</b>	RunNo: <b>87695</b>								
Prep Date: <b>5/3/2022</b>	Analysis Date: <b>5/3/2022</b>	SeqNo: <b>3106789</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.4	90	110			

**Qualifiers:**

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204B43

09-May-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 1H

Sample ID: <b>MB-67164</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67164</b>	RunNo: <b>87649</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103102</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.8	51.1	141			

Sample ID: <b>LCS-67164</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67164</b>	RunNo: <b>87649</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103103</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135			
Surr: DNOP	3.2		5.000		63.2	51.1	141			

Sample ID: <b>2204B43-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH22-01 0'</b>	Batch ID: <b>67164</b>	RunNo: <b>87649</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103106</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.7	48.69	13.09	68.3	36.1	154			
Surr: DNOP	3.0		4.869		61.6	51.1	141			

Sample ID: <b>2204B43-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH22-01 0'</b>	Batch ID: <b>67164</b>	RunNo: <b>87649</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103107</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.5	47.44	13.09	74.6	36.1	154	4.56	33.9	
Surr: DNOP	3.2		4.744		68.3	51.1	141	0	0	

Sample ID: <b>MB-67148</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67148</b>	RunNo: <b>87613</b>								
Prep Date: <b>4/28/2022</b>	Analysis Date: <b>4/30/2022</b>	SeqNo: <b>3103228</b> Units: <b>mg/Kg</b>								
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	5.3		10.00		53.4	51.1	141			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204B43

09-May-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 1H

Sample ID: <b>MB-67168</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67168</b>	RunNo: <b>87654</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103431</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.2	51.1	141			

Sample ID: <b>2204B43-004AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH22-04 0'</b>	Batch ID: <b>67168</b>	RunNo: <b>87654</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103434</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.9	49.36	0	76.3	36.1	154			
Surr: DNOP	4.0		4.936		81.5	51.1	141			

Sample ID: <b>2204B43-004AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH22-04 0'</b>	Batch ID: <b>67168</b>	RunNo: <b>87654</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103435</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.8	49.16	0	80.4	36.1	154	4.75	33.9	
Surr: DNOP	3.5		4.916		70.5	51.1	141	0	0	

Sample ID: <b>LCS-67148</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67148</b>	RunNo: <b>87659</b>								
Prep Date: <b>4/28/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103768</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	113	68.9	135			
Surr: DNOP	5.4		5.000		108	51.1	141			

Sample ID: <b>2204B43-010AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH22-10 0'</b>	Batch ID: <b>67148</b>	RunNo: <b>87659</b>								
Prep Date: <b>4/28/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103876</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.3	46.73	6.239	65.0	36.1	154			
Surr: DNOP	2.6		4.673		56.0	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204B43

09-May-22

Client: Devon Energy

Project: Bell Lake 19 1H

Sample ID: 2204B43-010AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH22-10 0'		Batch ID: 67148		RunNo: 87659						
Prep Date: 4/28/2022		Analysis Date: 5/2/2022		SeqNo: 3103878		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.7	48.54	6.239	109	36.1	154	47.3	33.9	R
Surr: DNOP	5.1		4.854		105	51.1	141	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 Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204B43

09-May-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 1H

Sample ID: <b>lcs-67115</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67115</b>			RunNo: <b>87610</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/28/2022</b>			SeqNo: <b>3100473</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	117	72.3	137			
Surr: BFB	2300		1000		230	37.7	212			S

Sample ID: <b>mb-67115</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67115</b>			RunNo: <b>87610</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/28/2022</b>			SeqNo: <b>3100474</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	37.7	212			

Sample ID: <b>lcs-67121</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67121</b>			RunNo: <b>87627</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>			SeqNo: <b>3102557</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	111	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S

Sample ID: <b>mb-67121</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67121</b>			RunNo: <b>87627</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>			SeqNo: <b>3102558</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	37.7	212			

Sample ID: <b>2204b43-010ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>BH22-10 0'</b>	Batch ID: <b>67121</b>			RunNo: <b>87627</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>			SeqNo: <b>3102569</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.46	0	109	70	130			
Surr: BFB	2100		978.5		218	37.7	212			S

Sample ID: <b>2204b43-010amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>BH22-10 0'</b>	Batch ID: <b>67121</b>			RunNo: <b>87627</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>			SeqNo: <b>3102570</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204B43  
09-May-22

Client: Devon Energy  
Project: Bell Lake 19 1H

Sample ID: 2204b43-010amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH22-10 0'		Batch ID: 67121		RunNo: 87627						
Prep Date: 4/27/2022		Analysis Date: 4/29/2022		SeqNo: 3102570		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.27	0	114	70	130	3.24	20	
Surr: BFB	2200		970.9		231	37.7	212	0	0	S

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204B43

09-May-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 1H

Sample ID: <b>lcs-67115</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67115</b>			RunNo: <b>87610</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/28/2022</b>			SeqNo: <b>3100521</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.6	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.0	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.5	70	130			

Sample ID: <b>mb-67115</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67115</b>			RunNo: <b>87610</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/28/2022</b>			SeqNo: <b>3100522</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	70	130			

Sample ID: <b>lcs-67121</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67121</b>			RunNo: <b>87627</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>			SeqNo: <b>3102590</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.2	80	120			
Toluene	0.86	0.050	1.000	0	86.3	80	120			
Ethylbenzene	0.87	0.050	1.000	0	86.9	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.5	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.2	70	130			

Sample ID: <b>mb-67121</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67121</b>			RunNo: <b>87627</b>						
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>			SeqNo: <b>3102591</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.5	70	130			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204B43

09-May-22

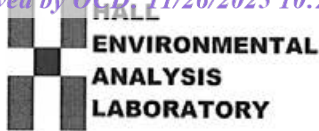
**Client:** Devon Energy  
**Project:** Bell Lake 19 1H

Sample ID: <b>2204b43-011ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH22-11 0'</b>	Batch ID: <b>67121</b>	RunNo: <b>87627</b>								
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>	SeqNo: <b>3102603</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9709	0	88.5	68.8	120			
Toluene	0.89	0.049	0.9709	0	91.2	73.6	124			
Ethylbenzene	0.89	0.049	0.9709	0	92.2	72.7	129			
Xylenes, Total	2.7	0.097	2.913	0	91.9	75.7	126			
Surr: 4-Bromofluorobenzene	0.82		0.9709		84.6	70	130			

Sample ID: <b>2204b43-011amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH22-11 0'</b>	Batch ID: <b>67121</b>	RunNo: <b>87627</b>								
Prep Date: <b>4/27/2022</b>	Analysis Date: <b>4/29/2022</b>	SeqNo: <b>3102604</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9728	0	89.9	68.8	120	1.74	20	
Toluene	0.90	0.049	0.9728	0	92.6	73.6	124	1.76	20	
Ethylbenzene	0.91	0.049	0.9728	0	93.9	72.7	129	2.01	20	
Xylenes, Total	2.7	0.097	2.918	0	93.8	75.7	126	2.21	20	
Surr: 4-Bromofluorobenzene	0.83		0.9728		85.0	70	130	0	0	

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: Devon Energy

Work Order Number: 2204B43

RcptNo: 1

Received By: Juan Rojas

4/27/2022 7:10:00 AM

*Juan Rojas*

Completed By: Tracy Casarrubias

4/27/2022 9:09:21 AM

Reviewed By:

*KRC 4/27/22*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *gn 4/27/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5.	Good	Yes			







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

May 11, 2022

Monica Peppin

Devon Energy

6488 Seven Rivers Highway

Artesia, NM 88210

TEL: (575) 748-0176

FAX:

RE: Bell Lake 19 State 1 H

OrderNo.: 2204C66

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 8 sample(s) on 4/28/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-12 0'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 9:30:00 AM

Lab ID: 2204C66-001

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/3/2022 5:30:44 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/3/2022 5:30:44 PM
Surr: DNOP	88.1	51.1-141		%Rec	1	5/3/2022 5:30:44 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/2/2022 2:35:07 PM
Surr: BFB	93.2	37.7-212		%Rec	1	5/2/2022 2:35:07 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 2:35:07 PM
Toluene	ND	0.049		mg/Kg	1	5/2/2022 2:35:07 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/2/2022 2:35:07 PM
Xylenes, Total	ND	0.098		mg/Kg	1	5/2/2022 2:35:07 PM
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	5/2/2022 2:35:07 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	15000	600		mg/Kg	200	5/5/2022 10:50:19 AM

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

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



## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-12 2'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 9:35:00 AM

Lab ID: 2204C66-002

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/3/2022 5:55:00 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/3/2022 5:55:00 PM
Surr: DNOP	78.0	51.1-141		%Rec	1	5/3/2022 5:55:00 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/2/2022 2:58:54 PM
Surr: BFB	95.0	37.7-212		%Rec	1	5/2/2022 2:58:54 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 2:58:54 PM
Toluene	ND	0.047		mg/Kg	1	5/2/2022 2:58:54 PM
Ethylbenzene	ND	0.047		mg/Kg	1	5/2/2022 2:58:54 PM
Xylenes, Total	ND	0.095		mg/Kg	1	5/2/2022 2:58:54 PM
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	5/2/2022 2:58:54 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	230	60		mg/Kg	20	5/4/2022 10:23:21 PM

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

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

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## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-13 0'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 9:50:00 AM

Lab ID: 2204C66-003

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	47	9.4		mg/Kg	1	5/3/2022 6:19:28 PM
Motor Oil Range Organics (MRO)	74	47		mg/Kg	1	5/3/2022 6:19:28 PM
Surr: DNOP	104	51.1-141		%Rec	1	5/3/2022 6:19:28 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/2/2022 4:32:46 PM
Surr: BFB	102	37.7-212		%Rec	1	5/2/2022 4:32:46 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 4:32:46 PM
Toluene	ND	0.049		mg/Kg	1	5/2/2022 4:32:46 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/2/2022 4:32:46 PM
Xylenes, Total	ND	0.097		mg/Kg	1	5/2/2022 4:32:46 PM
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	5/2/2022 4:32:46 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	11000	600		mg/Kg	200	5/5/2022 11:02:39 AM

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

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

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## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-13 4'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 10:00:00 AM

Lab ID: 2204C66-004

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	34	9.5		mg/Kg	1	5/3/2022 6:44:02 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/3/2022 6:44:02 PM
Surr: DNOP	95.0	51.1-141		%Rec	1	5/3/2022 6:44:02 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/2/2022 4:56:14 PM
Surr: BFB	96.7	37.7-212		%Rec	1	5/2/2022 4:56:14 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 4:56:14 PM
Toluene	ND	0.048		mg/Kg	1	5/2/2022 4:56:14 PM
Ethylbenzene	ND	0.048		mg/Kg	1	5/2/2022 4:56:14 PM
Xylenes, Total	ND	0.097		mg/Kg	1	5/2/2022 4:56:14 PM
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	5/2/2022 4:56:14 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	4800	150		mg/Kg	50	5/5/2022 11:15:00 AM

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

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

## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-13 8'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 10:30:00 AM

Lab ID: 2204C66-005

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/3/2022 7:08:36 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/3/2022 7:08:36 PM
Surr: DNOP	92.2	51.1-141		%Rec	1	5/3/2022 7:08:36 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/2/2022 5:19:52 PM
Surr: BFB	97.7	37.7-212		%Rec	1	5/2/2022 5:19:52 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 5:19:52 PM
Toluene	ND	0.048		mg/Kg	1	5/2/2022 5:19:52 PM
Ethylbenzene	ND	0.048		mg/Kg	1	5/2/2022 5:19:52 PM
Xylenes, Total	ND	0.096		mg/Kg	1	5/2/2022 5:19:52 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	5/2/2022 5:19:52 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	330	60		mg/Kg	20	5/4/2022 11:00:35 PM

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

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

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## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-14 0'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 10:10:00 AM

Lab ID: 2204C66-006

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/3/2022 7:33:25 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/3/2022 7:33:25 PM
Surr: DNOP	95.7	51.1-141		%Rec	1	5/3/2022 7:33:25 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/2/2022 5:43:19 PM
Surr: BFB	98.5	37.7-212		%Rec	1	5/2/2022 5:43:19 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 5:43:19 PM
Toluene	ND	0.047		mg/Kg	1	5/2/2022 5:43:19 PM
Ethylbenzene	ND	0.047		mg/Kg	1	5/2/2022 5:43:19 PM
Xylenes, Total	ND	0.094		mg/Kg	1	5/2/2022 5:43:19 PM
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	5/2/2022 5:43:19 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	7500	300		mg/Kg	100	5/5/2022 11:27:22 AM

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

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

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## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-14 4'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 10:20:00 AM

Lab ID: 2204C66-007

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/3/2022 7:58:03 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/3/2022 7:58:03 PM
Surr: DNOP	91.0	51.1-141		%Rec	1	5/3/2022 7:58:03 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/2/2022 6:06:43 PM
Surr: BFB	98.5	37.7-212		%Rec	1	5/2/2022 6:06:43 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/2/2022 6:06:43 PM
Toluene	ND	0.047		mg/Kg	1	5/2/2022 6:06:43 PM
Ethylbenzene	ND	0.047		mg/Kg	1	5/2/2022 6:06:43 PM
Xylenes, Total	ND	0.095		mg/Kg	1	5/2/2022 6:06:43 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	5/2/2022 6:06:43 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	4900	150		mg/Kg	50	5/5/2022 11:39:42 AM

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

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

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## Analytical Report

Lab Order 2204C66

Date Reported: 5/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BH22-14 8'

Project: Bell Lake 19 State 1 H

Collection Date: 4/26/2022 10:35:00 AM

Lab ID: 2204C66-008

Matrix: SOIL

Received Date: 4/28/2022 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/3/2022 8:22:34 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/3/2022 8:22:34 PM
Surr: DNOP	88.9	51.1-141		%Rec	1	5/3/2022 8:22:34 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2022 6:30:05 PM
Surr: BFB	96.7	37.7-212		%Rec	1	5/2/2022 6:30:05 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/2/2022 6:30:05 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2022 6:30:05 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2022 6:30:05 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2022 6:30:05 PM
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	5/2/2022 6:30:05 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	320	60		mg/Kg	20	5/5/2022 12:02:36 AM

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204C66

11-May-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 State 1 H

Sample ID: <b>MB-67266</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67266</b>	RunNo: <b>87761</b>								
Prep Date: <b>5/4/2022</b>	Analysis Date: <b>5/4/2022</b>	SeqNo: <b>3108607</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67266</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67266</b>	RunNo: <b>87761</b>								
Prep Date: <b>5/4/2022</b>	Analysis Date: <b>5/4/2022</b>	SeqNo: <b>3108608</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

**Qualifiers:**

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



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204C66  
11-May-22

Client: Devon Energy  
Project: Bell Lake 19 State 1 H

Sample ID: MB-67173	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67173	RunNo: 87671								
Prep Date: 4/29/2022	Analysis Date: 5/3/2022	SeqNo: 3104297	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	5.3		10.00		52.8	51.1	141			

Sample ID: LCS-67173	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67173	RunNo: 87671								
Prep Date: 4/29/2022	Analysis Date: 5/3/2022	SeqNo: 3106761	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	46	10	50.00	0	92.7	68.9	135			
Surr: DNOP	2.6		5.000		52.5	51.1	141			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204C66  
11-May-22

Client: Devon Energy  
Project: Bell Lake 19 State 1 H

Sample ID: mb-67165	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67165	RunNo: 87658								
Prep Date: 4/29/2022	Analysis Date: 5/2/2022	SeqNo: 3103516		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		97.9	37.7	212			

Sample ID: lcs-67165	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67165	RunNo: 87658								
Prep Date: 4/29/2022	Analysis Date: 5/2/2022	SeqNo: 3103517		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.5	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2204C66

11-May-22

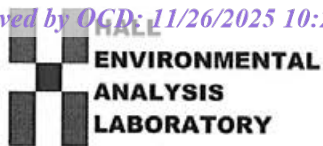
**Client:** Devon Energy  
**Project:** Bell Lake 19 State 1 H

Sample ID: <b>mb-67165</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67165</b>	RunNo: <b>87658</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103563</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	70	130			

Sample ID: <b>LCS-67165</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67165</b>	RunNo: <b>87658</b>								
Prep Date: <b>4/29/2022</b>	Analysis Date: <b>5/2/2022</b>	SeqNo: <b>3103564</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	1.000	0	80.1	80	120			
Toluene	0.84	0.050	1.000	0	84.3	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.2	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: Devon Energy

Work Order Number: 2204C66

RcptNo: 1

Received By: Joseph Alderette 4/28/2022 2:45:00 PM

Completed By: Tracy Casarrubias 4/28/2022 3:25:11 PM

Reviewed By: *SGC 4/28/22*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *JN 4/28/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.0	Good	Yes			

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975      Fax 505-345-4107

### Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4/26	9:30	SOI	BH22-12 0'	402	ICE	2204066 001
	9:35		BH22-12 2'			002
	9:50		BH22-13 0'			003
	10:00		BH22-13 4'			004
	10:30		BH22-13 8'			005
	10:10		BH22-14 0'			006
	10:20		BH22-14 4'			007
	10:35		BH22-14 8'			008

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			<i>[Signature]</i>		4/27/00	10:15
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/27/00	1900	<i>[Signature]</i>	<i>[Signature]</i>	card	4-28-00	14:45

[illegible]

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 Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

July 20, 2022

Monica Peppin

Devon Energy

6488 Seven Rivers Highway

Artesia, NM 88210

TEL: (505) 350-1336

FAX:

RE: Bell Lake 19 State 6H

OrderNo.: 2207349

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 19 sample(s) on 7/9/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-01 0-4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 7:50:00 AM

Lab ID: 2207349-001

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 4:14:09 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2022 4:14:09 PM
Surr: DNOP	83.8	51.1-141		%Rec	1	7/13/2022 4:14:09 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 7:28:00 AM
Surr: BFB	87.5	37.7-212		%Rec	1	7/14/2022 7:28:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 7:28:00 AM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 7:28:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 7:28:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 7:28:00 AM
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	7/14/2022 7:28:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 9:17:01 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-02 0-4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 7:55:00 AM

Lab ID: 2207349-002

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 4:38:00 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2022 4:38:00 PM
Surr: DNOP	80.4	51.1-141		%Rec	1	7/13/2022 4:38:00 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 7:48:00 AM
Surr: BFB	90.9	37.7-212		%Rec	1	7/14/2022 7:48:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 7:48:00 AM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 7:48:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 7:48:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 7:48:00 AM
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	7/14/2022 7:48:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	110	60		mg/Kg	20	7/15/2022 9:54:15 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-03 0-4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 7:55:00 AM

Lab ID: 2207349-003

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 5:01:55 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 5:01:55 PM
Surr: DNOP	85.2	51.1-141		%Rec	1	7/13/2022 5:01:55 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 8:07:00 AM
Surr: BFB	90.1	37.7-212		%Rec	1	7/14/2022 8:07:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 8:07:00 AM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 8:07:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 8:07:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 8:07:00 AM
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	7/14/2022 8:07:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 10:06:40 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-04 2-4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:00:00 AM

Lab ID: 2207349-004

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 5:25:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2022 5:25:50 PM
Surr: DNOP	82.7	51.1-141		%Rec	1	7/13/2022 5:25:50 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 8:27:00 AM
Surr: BFB	90.9	37.7-212		%Rec	1	7/14/2022 8:27:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	7/14/2022 8:27:00 AM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 8:27:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 8:27:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 8:27:00 AM
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	7/14/2022 8:27:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 10:19:04 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-05 0-2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:00:00 AM

Lab ID: 2207349-005

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 5:49:52 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/13/2022 5:49:52 PM
Surr: DNOP	86.5	51.1-141		%Rec	1	7/13/2022 5:49:52 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 8:47:00 AM
Surr: BFB	89.3	37.7-212		%Rec	1	7/14/2022 8:47:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 8:47:00 AM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 8:47:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 8:47:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 8:47:00 AM
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	7/14/2022 8:47:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 10:31:29 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-06 0-2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:05:00 AM

Lab ID: 2207349-006

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 6:13:48 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2022 6:13:48 PM
Surr: DNOP	84.4	51.1-141		%Rec	1	7/13/2022 6:13:48 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 9:06:00 AM
Surr: BFB	91.7	37.7-212		%Rec	1	7/14/2022 9:06:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 9:06:00 AM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 9:06:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 9:06:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 9:06:00 AM
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	7/14/2022 9:06:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	59		mg/Kg	20	7/15/2022 10:43:53 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-07 0-2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:05:00 AM

Lab ID: 2207349-007

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 6:37:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 6:37:43 PM
Surr: DNOP	90.2	51.1-141		%Rec	1	7/13/2022 6:37:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 9:26:00 AM
Surr: BFB	93.4	37.7-212		%Rec	1	7/14/2022 9:26:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 9:26:00 AM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 9:26:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 9:26:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 9:26:00 AM
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	7/14/2022 9:26:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 10:56:18 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-01 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:45:00 AM

Lab ID: 2207349-008

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 7:01:42 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 7:01:42 PM
Surr: DNOP	126	51.1-141		%Rec	1	7/13/2022 7:01:42 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 1:29:00 PM
Surr: BFB	93.0	37.7-212		%Rec	1	7/14/2022 1:29:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 1:29:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 1:29:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 1:29:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 1:29:00 PM
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	7/14/2022 1:29:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 12:12:01 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-02 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:40:00 AM

Lab ID: 2207349-009

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 7:25:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2022 7:25:36 PM
Surr: DNOP	86.7	51.1-141		%Rec	1	7/13/2022 7:25:36 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2022 1:48:00 PM
Surr: BFB	87.5	37.7-212		%Rec	1	7/14/2022 1:48:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	7/14/2022 1:48:00 PM
Toluene	ND	0.048		mg/Kg	1	7/14/2022 1:48:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2022 1:48:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 1:48:00 PM
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	7/14/2022 1:48:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 12:24:25 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-03 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:40:00 AM

Lab ID: 2207349-010

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 8:13:20 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2022 8:13:20 PM
Surr: DNOP	86.6	51.1-141		%Rec	1	7/13/2022 8:13:20 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 2:08:00 PM
Surr: BFB	84.2	37.7-212		%Rec	1	7/14/2022 2:08:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:08:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 2:08:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 2:08:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 2:08:00 PM
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	7/14/2022 2:08:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 12:36:50 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-04 4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:25:00 AM

Lab ID: 2207349-011

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 8:37:18 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/13/2022 8:37:18 PM
Surr: DNOP	85.5	51.1-141		%Rec	1	7/13/2022 8:37:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:28:00 PM
Surr: BFB	83.7	37.7-212		%Rec	1	7/14/2022 2:28:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:28:00 PM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:28:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:28:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 2:28:00 PM
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	7/14/2022 2:28:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	210	60		mg/Kg	20	7/15/2022 2:11:15 PM

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

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

## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-05 4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:30:00 AM

Lab ID: 2207349-012

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 9:01:17 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 9:01:17 PM
Surr: DNOP	87.7	51.1-141		%Rec	1	7/13/2022 9:01:17 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 2:48:00 PM
Surr: BFB	82.1	37.7-212		%Rec	1	7/14/2022 2:48:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:48:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 2:48:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 2:48:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 2:48:00 PM
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	7/14/2022 2:48:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	79	59		mg/Kg	20	7/15/2022 2:39:51 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-06 4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:30:00 AM

Lab ID: 2207349-013

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 9:25:10 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 9:25:10 PM
Surr: DNOP	89.1	51.1-141		%Rec	1	7/13/2022 9:25:10 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 3:08:00 PM
Surr: BFB	81.3	37.7-212		%Rec	1	7/14/2022 3:08:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 3:08:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 3:08:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 3:08:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 3:08:00 PM
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	7/14/2022 3:08:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 2:52:15 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-07 4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:35:00 AM

Lab ID: 2207349-014

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 9:49:01 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2022 9:49:01 PM
Surr: DNOP	81.6	51.1-141		%Rec	1	7/13/2022 9:49:01 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 3:28:00 PM
Surr: BFB	84.2	37.7-212		%Rec	1	7/14/2022 3:28:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 3:28:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 3:28:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 3:28:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 3:28:00 PM
Surr: 4-Bromofluorobenzene	82.7	70-130		%Rec	1	7/14/2022 3:28:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 3:04:39 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-08 4'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 8:35:00 AM

Lab ID: 2207349-015

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 10:12:53 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2022 10:12:53 PM
Surr: DNOP	82.0	51.1-141		%Rec	1	7/13/2022 10:12:53 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 4:08:00 PM
Surr: BFB	81.8	37.7-212		%Rec	1	7/14/2022 4:08:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 4:08:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 4:08:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 4:08:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 4:08:00 PM
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	7/14/2022 4:08:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 3:17:04 PM

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

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

## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-09 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 9:10:00 AM

Lab ID: 2207349-016

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	27	15		mg/Kg	1	7/13/2022 10:36:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2022 10:36:50 PM
Surr: DNOP	86.1	51.1-141		%Rec	1	7/13/2022 10:36:50 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 4:27:00 PM
Surr: BFB	84.9	37.7-212		%Rec	1	7/14/2022 4:27:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 4:27:00 PM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 4:27:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 4:27:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 4:27:00 PM
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	7/14/2022 4:27:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 3:29:29 PM

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

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

## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-10 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 9:10:00 AM

Lab ID: 2207349-017

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 11:00:47 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 11:00:47 PM
Surr: DNOP	84.5	51.1-141		%Rec	1	7/13/2022 11:00:47 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 4:47:00 PM
Surr: BFB	82.6	37.7-212		%Rec	1	7/14/2022 4:47:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 4:47:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 4:47:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 4:47:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 4:47:00 PM
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	7/14/2022 4:47:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 3:41:54 PM

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

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

## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-11 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 9:15:00 AM

Lab ID: 2207349-018

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/16/2022 12:10:29 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2022 12:10:29 AM
Surr: DNOP	104	51.1-141		%Rec	1	7/16/2022 12:10:29 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 6:07:00 PM
Surr: BFB	80.5	37.7-212		%Rec	1	7/14/2022 6:07:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	7/14/2022 6:07:00 PM
Toluene	ND	0.049		mg/Kg	1	7/14/2022 6:07:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 6:07:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 6:07:00 PM
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	7/14/2022 6:07:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 3:54:19 PM

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

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

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## Analytical Report

Lab Order 2207349

Date Reported: 7/20/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-12 2'

Project: Bell Lake 19 State 6H

Collection Date: 7/7/2022 9:15:00 AM

Lab ID: 2207349-019

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/16/2022 12:58:01 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2022 12:58:01 AM
Surr: DNOP	104	51.1-141		%Rec	1	7/16/2022 12:58:01 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 7:07:00 PM
Surr: BFB	81.1	37.7-212		%Rec	1	7/14/2022 7:07:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/14/2022 7:07:00 PM
Toluene	ND	0.050		mg/Kg	1	7/14/2022 7:07:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 7:07:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 7:07:00 PM
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	7/14/2022 7:07:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 4:06:43 PM

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy  
**Project:** Bell Lake 19 State 6H

Sample ID: <b>MB-68793</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68793</b>		RunNo: <b>89508</b>							
Prep Date: <b>7/14/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185335</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68793</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68793</b>		RunNo: <b>89508</b>							
Prep Date: <b>7/14/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185336</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.7	90	110			

Sample ID: <b>MB-68808</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68808</b>		RunNo: <b>89522</b>							
Prep Date: <b>7/15/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3188544</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68808</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68808</b>		RunNo: <b>89522</b>							
Prep Date: <b>7/15/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3188545</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

Sample ID: <b>MB-68719</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68719</b>	RunNo: <b>89438</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/13/2022</b>	SeqNo: <b>3183094</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.1	51.1	141			

Sample ID: <b>LCS-68719</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68719</b>	RunNo: <b>89438</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/13/2022</b>	SeqNo: <b>3183095</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.2	64.4	127			
Surr: DNOP	4.1		5.000		82.0	51.1	141			

Sample ID: <b>MB-68717</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68717</b>	RunNo: <b>89483</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3184880</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.9		10.00		68.7	51.1	141			

Sample ID: <b>LCS-68717</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68717</b>	RunNo: <b>89483</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3184881</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	2.8		5.000		55.5	51.1	141			

Sample ID: <b>MB-68750</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68750</b>	RunNo: <b>89483</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3186687</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		118	51.1	141			

Sample ID: <b>LCS-68750</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68750</b>	RunNo: <b>89483</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3186688</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

Sample ID: <b>LCS-68750</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68750</b>		RunNo: <b>89483</b>							
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3186688</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	116	64.4	127			
Surr: DNOP	5.8		5.000		116	51.1	141			

Sample ID: <b>2207349-018AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BS22-11 2'</b>	Batch ID: <b>68750</b>		RunNo: <b>89483</b>							
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/16/2022</b>		SeqNo: <b>3186724</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	49.50	0	97.3	36.1	154			
Surr: DNOP	4.7		4.950		95.8	51.1	141			

Sample ID: <b>2207349-018AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BS22-11 2'</b>	Batch ID: <b>68750</b>		RunNo: <b>89483</b>							
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/16/2022</b>		SeqNo: <b>3186725</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	48.45	0	89.0	36.1	154	11.1	33.9	
Surr: DNOP	4.4		4.845		91.5	51.1	141	0	0	

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

Sample ID: <b>ics-68690</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68690</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>		SeqNo: <b>3183352</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: <b>mb-68690</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68690</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>		SeqNo: <b>3183354</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		85.8	37.7	212			

Sample ID: <b>ics-68702</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68702</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>		SeqNo: <b>3183392</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: <b>mb-68702</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68702</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>		SeqNo: <b>3183394</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	840		1000		84.2	37.7	212			

Sample ID: <b>ics-68713</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68713</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3183428</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.7	72.3	137			
Surr: BFB	1800		1000		175	37.7	212			

Sample ID: <b>mb-68713</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68713</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3183430</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		82.6	37.7	212			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

Sample ID: <b>ics-68721</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3184960</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.9	72.3	137			
Surr: BFB	1800		1000		180	37.7	212			

Sample ID: <b>mb-68721</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3184961</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		82.4	37.7	212			

Sample ID: <b>2207349-018ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BS22-11 2'</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3184963</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.93	0	86.6	70	130			
Surr: BFB	1700		997.0		173	37.7	212			

Sample ID: <b>2207349-018amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BS22-11 2'</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3184964</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.41	0	90.9	70	130	2.75	20	
Surr: BFB	1800		976.6		180	37.7	212	0	0	

Sample ID: <b>ics-68726</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68726</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3184981</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1800		1000		180	37.7	212			

Sample ID: <b>mb-68726</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68726</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3184982</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	830		1000		83.2	37.7	212			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

Sample ID: <b>Ics-68690</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68690</b>			RunNo: <b>89471</b>						
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>			SeqNo: <b>3183847</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.86		1.000		86.3	70	130			

Sample ID: <b>mb-68690</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68690</b>			RunNo: <b>89471</b>						
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>			SeqNo: <b>3183848</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			

Sample ID: <b>Ics-68702</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68702</b>			RunNo: <b>89471</b>						
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>			SeqNo: <b>3183871</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.84		1.000		83.6	70	130			

Sample ID: <b>mb-68702</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68702</b>			RunNo: <b>89471</b>						
Prep Date: <b>7/11/2022</b>	Analysis Date: <b>7/13/2022</b>			SeqNo: <b>3183872</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.84		1.000		84.1	70	130			

Sample ID: <b>Ics-68713</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68713</b>			RunNo: <b>89471</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>			SeqNo: <b>3183895</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.0	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.9	70	130			

Sample ID: <b>mb-68713</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68713</b>			RunNo: <b>89471</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>			SeqNo: <b>3183896</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

Sample ID: <b>mb-68713</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68713</b>		RunNo: <b>89471</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3183896</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		84.8	70	130			

Sample ID: <b>lcs-68721</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185011</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	81.7	80	120			
Toluene	0.83	0.050	1.000	0	82.9	80	120			
Ethylbenzene	0.82	0.050	1.000	0	81.7	80	120			
Xylenes, Total	2.4	0.10	3.000	0	80.7	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.5	70	130			

Sample ID: <b>mb-68721</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185012</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		81.9	70	130			

Sample ID: <b>2207349-019ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BS22-12 2'</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185015</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	0.9990	0	88.8	68.8	120			
Toluene	0.90	0.050	0.9990	0	90.5	73.6	124			
Ethylbenzene	0.90	0.050	0.9990	0	90.0	72.7	129			
Xylenes, Total	2.7	0.10	2.997	0	89.5	75.7	126			
Surr: 4-Bromofluorobenzene	0.84		0.9990		83.6	70	130			

**Qualifiers:**

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207349

20-Jul-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 6H

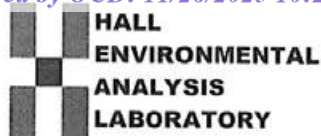
Sample ID: <b>2207349-019amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BS22-12 2'</b>	Batch ID: <b>68721</b>	RunNo: <b>89504</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>	SeqNo: <b>3185016</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9950	0	88.5	68.8	120	0.640	20	
Toluene	0.89	0.050	0.9950	0	89.8	73.6	124	1.08	20	
Ethylbenzene	0.89	0.050	0.9950	0	89.9	72.7	129	0.527	20	
Xylenes, Total	2.7	0.10	2.985	0	89.3	75.7	126	0.582	20	
Surr: 4-Bromofluorobenzene	0.84		0.9950		84.5	70	130	0	0	

Sample ID: <b>lcs-68726</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68726</b>	RunNo: <b>89504</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3185032</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.83		1.000		83.2	70	130			

Sample ID: <b>mb-68726</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68726</b>	RunNo: <b>89504</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3185033</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.83		1.000		82.7	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: Devon Energy

Work Order Number: 2207349

RcptNo: 1

Received By: Sean Livingston

7/9/2022 9:30:00 AM

Completed By: Sean Livingston

7/9/2022 10:36:14 AM

Reviewed By: CMC

7/11/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: JA 7/11/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good				
2	3.6	Good				
3	3.9	Good				









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

July 19, 2022

Monica Peppin

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX:

RE: Bell Lake State 001H

OrderNo.: 2207412

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 11 sample(s) on 7/12/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-08 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 9:30:00 AM

Lab ID: 2207412-001

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/16/2022 7:17:39 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/16/2022 7:17:39 AM
Surr: DNOP	110	51.1-141		%Rec	1	7/16/2022 7:17:39 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 12:44:00 AM
Surr: BFB	84.0	37.7-212		%Rec	1	7/15/2022 12:44:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2022 12:44:00 AM
Toluene	ND	0.049		mg/Kg	1	7/15/2022 12:44:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 12:44:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2022 12:44:00 AM
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	7/15/2022 12:44:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 4:45:33 PM

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

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

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## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-09 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 9:35:00 AM

Lab ID: 2207412-002

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/16/2022 7:41:26 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/16/2022 7:41:26 AM
Surr: DNOP	116	51.1-141		%Rec	1	7/16/2022 7:41:26 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 1:04:00 AM
Surr: BFB	80.5	37.7-212		%Rec	1	7/15/2022 1:04:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2022 1:04:00 AM
Toluene	ND	0.049		mg/Kg	1	7/15/2022 1:04:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 1:04:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2022 1:04:00 AM
Surr: 4-Bromofluorobenzene	80.3	70-130		%Rec	1	7/15/2022 1:04:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 4:57:58 PM

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

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

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## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-10 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 9:40:00 AM

Lab ID: 2207412-003

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/16/2022 8:05:12 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/16/2022 8:05:12 AM
Surr: DNOP	66.8	51.1-141		%Rec	1	7/16/2022 8:05:12 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 1:24:00 AM
Surr: BFB	77.0	37.7-212		%Rec	1	7/15/2022 1:24:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	7/15/2022 1:24:00 AM
Toluene	ND	0.049		mg/Kg	1	7/15/2022 1:24:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 1:24:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/15/2022 1:24:00 AM
Surr: 4-Bromofluorobenzene	80.1	70-130		%Rec	1	7/15/2022 1:24:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 5:10:22 PM

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

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

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## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-11 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 9:45:00 AM

Lab ID: 2207412-004

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/16/2022 8:29:03 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2022 8:29:03 AM
Surr: DNOP	103	51.1-141		%Rec	1	7/16/2022 8:29:03 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2022 3:02:00 AM
Surr: BFB	82.1	37.7-212		%Rec	1	7/15/2022 3:02:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	7/15/2022 3:02:00 AM
Toluene	ND	0.048		mg/Kg	1	7/15/2022 3:02:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2022 3:02:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	7/15/2022 3:02:00 AM
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	7/15/2022 3:02:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 5:22:47 PM

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

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

## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-12 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 9:50:00 AM

Lab ID: 2207412-005

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/16/2022 8:52:51 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/16/2022 8:52:51 AM
Surr: DNOP	72.1	51.1-141		%Rec	1	7/16/2022 8:52:51 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2022 3:22:00 AM
Surr: BFB	81.0	37.7-212		%Rec	1	7/15/2022 3:22:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2022 3:22:00 AM
Toluene	ND	0.050		mg/Kg	1	7/15/2022 3:22:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2022 3:22:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2022 3:22:00 AM
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	7/15/2022 3:22:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 5:35:11 PM

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

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

## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-13 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 9:55:00 AM

Lab ID: 2207412-006

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/16/2022 9:40:36 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/16/2022 9:40:36 AM
Surr: DNOP	75.7	51.1-141		%Rec	1	7/16/2022 9:40:36 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 3:42:00 AM
Surr: BFB	82.8	37.7-212		%Rec	1	7/15/2022 3:42:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2022 3:42:00 AM
Toluene	ND	0.049		mg/Kg	1	7/15/2022 3:42:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 3:42:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2022 3:42:00 AM
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	7/15/2022 3:42:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 5:47:36 PM

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

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

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## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-14 0-4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 10:00:00 AM

Lab ID: 2207412-007

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/14/2022 9:39:35 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/14/2022 9:39:35 PM
Surr: DNOP	87.7	51.1-141		%Rec	1	7/14/2022 9:39:35 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/15/2022 4:01:00 AM
Surr: BFB	80.1	37.7-212		%Rec	1	7/15/2022 4:01:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	7/15/2022 4:01:00 AM
Toluene	ND	0.047		mg/Kg	1	7/15/2022 4:01:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	7/15/2022 4:01:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	7/15/2022 4:01:00 AM
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	7/15/2022 4:01:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 6:00:01 PM

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

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

## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-13 4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 10:05:00 AM

Lab ID: 2207412-008

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/14/2022 10:21:58 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2022 10:21:58 PM
Surr: DNOP	96.4	51.1-141		%Rec	1	7/14/2022 10:21:58 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 5:01:00 AM
Surr: BFB	84.5	37.7-212		%Rec	1	7/15/2022 5:01:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2022 5:01:00 AM
Toluene	ND	0.049		mg/Kg	1	7/15/2022 5:01:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 5:01:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2022 5:01:00 AM
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	7/15/2022 5:01:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	96	60		mg/Kg	20	7/15/2022 6:12:25 PM

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

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

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## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-14 4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 10:10:00 AM

Lab ID: 2207412-009

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/14/2022 10:36:11 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2022 10:36:11 PM
Surr: DNOP	106	51.1-141		%Rec	1	7/14/2022 10:36:11 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2022 6:00:00 AM
Surr: BFB	86.5	37.7-212		%Rec	1	7/15/2022 6:00:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	7/15/2022 6:00:00 AM
Toluene	ND	0.048		mg/Kg	1	7/15/2022 6:00:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2022 6:00:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	7/15/2022 6:00:00 AM
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	7/15/2022 6:00:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	180	60		mg/Kg	20	7/15/2022 6:24:49 PM

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

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

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## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-15 4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 10:15:00 AM

Lab ID: 2207412-010

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/14/2022 10:50:20 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/14/2022 10:50:20 PM
Surr: DNOP	89.8	51.1-141		%Rec	1	7/14/2022 10:50:20 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2022 6:20:00 AM
Surr: BFB	82.6	37.7-212		%Rec	1	7/15/2022 6:20:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2022 6:20:00 AM
Toluene	ND	0.050		mg/Kg	1	7/15/2022 6:20:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2022 6:20:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/15/2022 6:20:00 AM
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	7/15/2022 6:20:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	210	60		mg/Kg	20	7/15/2022 6:37:15 PM

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

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

## Analytical Report

Lab Order 2207412

Date Reported: 7/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-16 4'

Project: Bell Lake State 001H

Collection Date: 7/8/2022 10:20:00 AM

Lab ID: 2207412-011

Matrix: SOIL

Received Date: 7/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/14/2022 11:04:35 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2022 11:04:35 PM
Surr: DNOP	86.1	51.1-141		%Rec	1	7/14/2022 11:04:35 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/15/2022 6:40:00 AM
Surr: BFB	82.2	37.7-212		%Rec	1	7/15/2022 6:40:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	7/15/2022 6:40:00 AM
Toluene	ND	0.047		mg/Kg	1	7/15/2022 6:40:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	7/15/2022 6:40:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	7/15/2022 6:40:00 AM
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	7/15/2022 6:40:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/15/2022 7:14:28 PM

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

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



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207412  
19-Jul-22

Client: Vertex Resources Services, Inc.  
Project: Bell Lake State 001H

Sample ID: MB-68812		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 68812		RunNo: 89568						
Prep Date: 7/15/2022		Analysis Date: 7/15/2022		SeqNo: 3188184		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68812		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 68812		RunNo: 89568						
Prep Date: 7/15/2022		Analysis Date: 7/15/2022		SeqNo: 3188185		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207412

19-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake State 001H

Sample ID: <b>MB-68751</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68751</b>	RunNo: <b>89486</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/14/2022</b>	SeqNo: <b>3186456</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.3	51.1	141			

Sample ID: <b>LCS-68751</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68751</b>	RunNo: <b>89486</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/14/2022</b>	SeqNo: <b>3186457</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	15	50.00	0	81.7	64.4	127			
Surr: DNOP	3.8		5.000		76.0	51.1	141			

Sample ID: <b>2207412-007AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>WS22-14 0-4'</b>	Batch ID: <b>68751</b>	RunNo: <b>89486</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/14/2022</b>	SeqNo: <b>3186459</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	14	47.85	0	79.4	36.1	154			
Surr: DNOP	4.2		4.785		88.2	51.1	141			

Sample ID: <b>2207412-007AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>WS22-14 0-4'</b>	Batch ID: <b>68751</b>	RunNo: <b>89486</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/14/2022</b>	SeqNo: <b>3186460</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	35	14	47.04	0	74.6	36.1	154	7.88	33.9	
Surr: DNOP	3.9		4.704		82.3	51.1	141	0	0	

Sample ID: <b>MB-68750</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68750</b>	RunNo: <b>89483</b>								
Prep Date: <b>7/13/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3186687</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		118	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2207412  
19-Jul-22

Client: Vertex Resources Services, Inc.  
Project: Bell Lake State 001H

Sample ID: LCS-68750	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68750	RunNo: 89483								
Prep Date: 7/13/2022	Analysis Date: 7/15/2022	SeqNo: 3186688 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	116	64.4	127			
Surr: DNOP	5.8		5.000		116	51.1	141			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207412

19-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake State 001H

Sample ID: <b>lcs-68721</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68721</b>			RunNo: <b>89504</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>			SeqNo: <b>3184960</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.9	72.3	137			
Surr: BFB	1800		1000		180	37.7	212			

Sample ID: <b>mb-68721</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68721</b>			RunNo: <b>89504</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>			SeqNo: <b>3184961</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		82.4	37.7	212			

Sample ID: <b>lcs-68726</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68726</b>			RunNo: <b>89504</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>			SeqNo: <b>3184981</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.9	72.3	137			
Surr: BFB	1800		1000		180	37.7	212			

Sample ID: <b>mb-68726</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68726</b>			RunNo: <b>89504</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>			SeqNo: <b>3184982</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.2	37.7	212			

Sample ID: <b>2207412-007ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>WS22-14 0-4'</b>	Batch ID: <b>68726</b>			RunNo: <b>89504</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>			SeqNo: <b>3184987</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.45	0	89.3	70	130			
Surr: BFB	1700		938.1		179	37.7	212			

Sample ID: <b>2207412-007amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>WS22-14 0-4'</b>	Batch ID: <b>68726</b>			RunNo: <b>89504</b>						
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>			SeqNo: <b>3184988</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2207412  
19-Jul-22

Client: Vertex Resources Services, Inc.  
Project: Bell Lake State 001H

Sample ID: 2207412-007amsd		SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: WS22-14 0-4'		Batch ID: 68726			RunNo: 89504					
Prep Date: 7/12/2022		Analysis Date: 7/15/2022			SeqNo: 3184988		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.39	0	96.3	70	130	7.22	20	
Surr: BFB	1700		935.5		185	37.7	212	0	0	

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207412

19-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake State 001H

Sample ID: <b>ics-68721</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185011</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	81.7	80	120			
Toluene	0.83	0.050	1.000	0	82.9	80	120			
Ethylbenzene	0.82	0.050	1.000	0	81.7	80	120			
Xylenes, Total	2.4	0.10	3.000	0	80.7	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.5	70	130			

Sample ID: <b>mb-68721</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68721</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/14/2022</b>		SeqNo: <b>3185012</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		81.9	70	130			

Sample ID: <b>ics-68726</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68726</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3185032</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.92	0.050	1.000	0	91.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.5	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.2	70	130			

Sample ID: <b>mb-68726</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68726</b>		RunNo: <b>89504</b>							
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>		SeqNo: <b>3185033</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		82.7	70	130			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207412

19-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake State 001H

Sample ID: <b>2207412-008ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BS22-13 4'</b>	Batch ID: <b>68726</b>	RunNo: <b>89504</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3185039</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9823	0	89.8	68.8	120			
Toluene	0.90	0.049	0.9823	0	91.8	73.6	124			
Ethylbenzene	0.90	0.049	0.9823	0	91.8	72.7	129			
Xylenes, Total	2.7	0.098	2.947	0	90.9	75.7	126			
Surr: 4-Bromofluorobenzene	0.83		0.9823		84.8	70	130			

Sample ID: <b>2207412-008amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BS22-13 4'</b>	Batch ID: <b>68726</b>	RunNo: <b>89504</b>								
Prep Date: <b>7/12/2022</b>	Analysis Date: <b>7/15/2022</b>	SeqNo: <b>3185040</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9881	0	92.4	68.8	120	3.45	20	
Toluene	0.93	0.049	0.9881	0	93.9	73.6	124	2.78	20	
Ethylbenzene	0.93	0.049	0.9881	0	93.6	72.7	129	2.55	20	
Xylenes, Total	2.7	0.099	2.964	0	92.6	75.7	126	2.53	20	
Surr: 4-Bromofluorobenzene	0.84		0.9881		84.7	70	130	0	0	

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: Vertex Resources  
Services, Inc.

Work Order Number: 2207412

RcptNo: 1

Received By: Cheyenne Cason 7/12/2022 7:20:00 AM

Completed By: Sean Livingston 7/12/2022 8:01:22 AM

Reviewed By: *jn 7/12/22*

*Chad*  
*Sean Livingston*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *KPG 7.12.22*

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good				
2	0.6	Good				
3	0.9	Good				



Released to Imaging: 1/30/2026 10:56:34 AM

Accreditation: ☐ Az Compliance  
☐ NELAC ☐ Other \_\_\_\_\_  
☐ EDD (Type) \_\_\_\_\_

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 2  $2.5 - 2.5 = 2.5 = 2.5$

Cooler Temp (including CF): 3.6 - 0.0 = 0.6 (°C)

7-8-22	09:20	Soil	WS22-08	0-4'
7-8-22	09:25	Soil	WS22-09	0-4'
7-8-22	09:40	Soil	WS22-10	0-4'
↓	09:45	↓	WS22-11	0-4'
	09:50		WS22-12	0-4'
	09:55		WS22-13	0-4'
	10:00		WS22-14	0-4'
↓	10:05	↓	BS22-13	4'
	10:10		BS22-14	4'
	10:15		BS22-15	4'
↓	10:20	↓	BS22-16	4'

1 Jar		001
1 Jar		002
1 Jar		003
↓		004
		005
		006
		007
		008
		009
		010
		011

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975      Fax 505-345-4107

## Analysis Request

[illegible]

Remarks:  
Bill direct to Devon, Dale Woodall  
cc. M. Peppin final report



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

July 29, 2022

Monica Peppin

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX:

RE: Bell Lake 19 State 001H

OrderNo.: 2207815

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/16/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2207815

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-19 0-4'

Project: Bell Lake 19 State 001H

Collection Date: 7/13/2022 2:00:00 PM

Lab ID: 2207815-001

Matrix: SOIL

Received Date: 7/16/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/21/2022 3:32:18 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/21/2022 3:32:18 AM
Surr: DNOP	67.4	51.1-141		%Rec	1	7/21/2022 3:32:18 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2022 9:07:00 PM
Surr: BFB	90.3	37.7-212		%Rec	1	7/20/2022 9:07:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	7/20/2022 9:07:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2022 9:07:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2022 9:07:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/20/2022 9:07:00 PM
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	7/20/2022 9:07:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	170	61		mg/Kg	20	7/21/2022 4:53:09 PM

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207815

29-Jul-22

Client: Vertex Resources Services, Inc.  
Project: Bell Lake 19 State 001H

Sample ID: <b>MB-68957</b>		SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>		Batch ID: <b>68957</b>		RunNo: <b>89698</b>						
Prep Date: <b>7/21/2022</b>		Analysis Date: <b>7/21/2022</b>		SeqNo: <b>3193546</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68957</b>		SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>68957</b>		RunNo: <b>89698</b>						
Prep Date: <b>7/21/2022</b>		Analysis Date: <b>7/21/2022</b>		SeqNo: <b>3193547</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207815

29-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake 19 State 001H

Sample ID: <b>MB-68897</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68897</b>	RunNo: <b>89638</b>								
Prep Date: <b>7/19/2022</b>	Analysis Date: <b>7/21/2022</b>	SeqNo: <b>3192490</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		68.8	51.1	141			

Sample ID: <b>LCS-68897</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68897</b>	RunNo: <b>89638</b>								
Prep Date: <b>7/19/2022</b>	Analysis Date: <b>7/21/2022</b>	SeqNo: <b>3192491</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	15	50.00	0	83.3	64.4	127			
Surr: DNOP	2.8		5.000		55.5	51.1	141			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207815

29-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake 19 State 001H

Sample ID: <b>lcs-68881</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68881</b>		RunNo: <b>89653</b>							
Prep Date: <b>7/19/2022</b>	Analysis Date: <b>7/20/2022</b>		SeqNo: <b>3191802</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	72.3	137			
Surr: BFB	2000		1000		204	37.7	212			

Sample ID: <b>mb-68881</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68881</b>		RunNo: <b>89653</b>							
Prep Date: <b>7/19/2022</b>	Analysis Date: <b>7/20/2022</b>		SeqNo: <b>3191803</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.5	37.7	212			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207815

29-Jul-22

**Client:** Vertex Resources Services, Inc.**Project:** Bell Lake 19 State 001H

Sample ID: <b>lcs-68881</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68881</b>			RunNo: <b>89653</b>						
Prep Date: <b>7/19/2022</b>	Analysis Date: <b>7/20/2022</b>			SeqNo: <b>3191848</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.6	80	120			
Toluene	0.91	0.050	1.000	0	90.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.8	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.2	70	130			

Sample ID: <b>mb-68881</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68881</b>			RunNo: <b>89653</b>						
Prep Date: <b>7/19/2022</b>	Analysis Date: <b>7/20/2022</b>			SeqNo: <b>3191849</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130			

**Qualifiers:**

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





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

## Sample Log-In Check List

Client Name: Vertex Resources  
Services, Inc.

Work Order Number: 2207815

RcptNo: 1

Received By: Isaiah Ortiz 7/16/2022 10:15:00 AM

Completed By: Isaiah Ortiz 7/16/2022 11:40:10 AM

Reviewed By: *IO 07/16/2022*

*IO*

*IO*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

*IO*  
*7/16/22*  
( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: \_\_\_\_\_

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Not Present			







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

August 01, 2022

Monica Peppin

Devon Energy

6488 Seven Rivers Highway

Artesia, NM 88210

TEL: (575) 748-0176

FAX:

RE: Bell Lake 19 State 1H

OrderNo.: 2207C30

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2207C30

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-15

Project: Bell Lake 19 State 1H

Collection Date: 7/22/2022 9:20:00 AM

Lab ID: 2207C30-001

Matrix: SOIL

Received Date: 7/26/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 2:47:53 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 2:47:53 PM
Surr: DNOP	103	21-129		%Rec	1	7/28/2022 2:47:53 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/27/2022 8:23:00 PM
Surr: BFB	92.9	37.7-212		%Rec	1	7/27/2022 8:23:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/27/2022 8:23:00 PM
Toluene	ND	0.050		mg/Kg	1	7/27/2022 8:23:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/27/2022 8:23:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/27/2022 8:23:00 PM
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	7/27/2022 8:23:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	64	60		mg/Kg	20	7/28/2022 10:17:36 AM

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

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

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## Analytical Report

Lab Order 2207C30

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-16

Project: Bell Lake 19 State 1H

Collection Date: 7/22/2022 9:30:00 AM

Lab ID: 2207C30-002

Matrix: SOIL

Received Date: 7/26/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 2:29:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 2:29:24 PM
Surr: DNOP	106	21-129		%Rec	1	7/28/2022 2:29:24 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/27/2022 9:22:00 PM
Surr: BFB	90.8	37.7-212		%Rec	1	7/27/2022 9:22:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	7/27/2022 9:22:00 PM
Toluene	ND	0.049		mg/Kg	1	7/27/2022 9:22:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/27/2022 9:22:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/27/2022 9:22:00 PM
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	7/27/2022 9:22:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/28/2022 10:29:56 AM

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

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

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## Analytical Report

Lab Order 2207C30

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-17

Project: Bell Lake 19 State 1H

Collection Date: 7/22/2022 9:40:00 AM

Lab ID: 2207C30-003

Matrix: SOIL

Received Date: 7/26/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 2:43:21 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 2:43:21 PM
Surr: DNOP	94.3	21-129		%Rec	1	7/28/2022 2:43:21 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/27/2022 10:21:00 PM
Surr: BFB	91.4	37.7-212		%Rec	1	7/27/2022 10:21:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	7/27/2022 10:21:00 PM
Toluene	ND	0.048		mg/Kg	1	7/27/2022 10:21:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/27/2022 10:21:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/27/2022 10:21:00 PM
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	7/27/2022 10:21:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	61		mg/Kg	20	7/28/2022 10:42:17 AM

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

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

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## Analytical Report

Lab Order 2207C30

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: WS22-18

Project: Bell Lake 19 State 1H

Collection Date: 7/22/2022 9:50:00 AM

Lab ID: 2207C30-004

Matrix: SOIL

Received Date: 7/26/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 2:57:07 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 2:57:07 PM
Surr: DNOP	94.8	21-129		%Rec	1	7/28/2022 2:57:07 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/27/2022 10:40:00 PM
Surr: BFB	94.0	37.7-212		%Rec	1	7/27/2022 10:40:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/27/2022 10:40:00 PM
Toluene	ND	0.050		mg/Kg	1	7/27/2022 10:40:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/27/2022 10:40:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/27/2022 10:40:00 PM
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	7/27/2022 10:40:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	59		mg/Kg	20	7/28/2022 10:54:37 AM

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

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

## Analytical Report

Lab Order 2207C30

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-17

Project: Bell Lake 19 State 1H

Collection Date: 7/22/2022 10:00:00 AM

Lab ID: 2207C30-005

Matrix: SOIL

Received Date: 7/26/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 3:10:51 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 3:10:51 PM
Surr: DNOP	91.5	21-129		%Rec	1	7/28/2022 3:10:51 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/27/2022 11:00:00 PM
Surr: BFB	89.4	37.7-212		%Rec	1	7/27/2022 11:00:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/27/2022 11:00:00 PM
Toluene	ND	0.049		mg/Kg	1	7/27/2022 11:00:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/27/2022 11:00:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/27/2022 11:00:00 PM
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	7/27/2022 11:00:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/28/2022 11:06:58 AM

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

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



## Analytical Report

Lab Order 2207C30

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: BS22-18

Project: Bell Lake 19 State 1H

Collection Date: 7/22/2022 10:10:00 AM

Lab ID: 2207C30-006

Matrix: SOIL

Received Date: 7/26/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 3:24:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 3:24:36 PM
Surr: DNOP	97.0	21-129		%Rec	1	7/28/2022 3:24:36 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/27/2022 11:19:00 PM
Surr: BFB	95.5	37.7-212		%Rec	1	7/27/2022 11:19:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	7/27/2022 11:19:00 PM
Toluene	ND	0.050		mg/Kg	1	7/27/2022 11:19:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/27/2022 11:19:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/27/2022 11:19:00 PM
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	7/27/2022 11:19:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/28/2022 11:19:20 AM

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

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



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207C30  
01-Aug-22

Client: Devon Energy  
Project: Bell Lake 19 State 1H

Sample ID: <b>MB-69119</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>69119</b>		RunNo: <b>89865</b>							
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3202452</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-69119</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>69119</b>		RunNo: <b>89865</b>							
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3202453</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207C30

01-Aug-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 1H

Sample ID: <b>MB-69117</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>69117</b>		RunNo: <b>89822</b>							
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3200941</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.4	21	129			

Sample ID: <b>LCS-69117</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>69117</b>		RunNo: <b>89822</b>							
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3200942</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.7	21	129			

Sample ID: <b>MB-69110</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>69110</b>		RunNo: <b>89822</b>							
Prep Date: <b>7/27/2022</b>	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201010</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.8	21	129			

Sample ID: <b>LCS-69110</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>69110</b>		RunNo: <b>89822</b>							
Prep Date: <b>7/27/2022</b>	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201017</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.9	64.4	127			
Surr: DNOP	4.6		5.000		91.8	21	129			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207C30

01-Aug-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 1H

Sample ID: <b>ics-69077</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>69077</b>		RunNo: <b>89847</b>							
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>		SeqNo: <b>3199620</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	72.3	137			
Surr: BFB	2100		1000		207	37.7	212			

Sample ID: <b>mb-69077</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>69077</b>		RunNo: <b>89847</b>							
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>		SeqNo: <b>3199621</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.4	37.7	212			

Sample ID: <b>2207c30-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>WS22-15</b>	Batch ID: <b>69077</b>		RunNo: <b>89847</b>							
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>		SeqNo: <b>3199623</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.78	0	107	70	130			
Surr: BFB	2100		991.1		216	37.7	212			S

Sample ID: <b>2207c30-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>WS22-15</b>	Batch ID: <b>69077</b>		RunNo: <b>89847</b>							
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>		SeqNo: <b>3199624</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.75	0	110	70	130	2.45	20	
Surr: BFB	2100		990.1		215	37.7	212	0	0	S

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207C30

01-Aug-22

**Client:** Devon Energy**Project:** Bell Lake 19 State 1H

Sample ID: <b>ics-69077</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>69077</b>			RunNo: <b>89847</b>						
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>			SeqNo: <b>3199654</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.5	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.4	70	130			

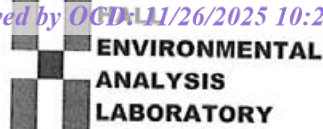
Sample ID: <b>mb-69077</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>69077</b>			RunNo: <b>89847</b>						
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>			SeqNo: <b>3199655</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.1	70	130			

Sample ID: <b>2207c30-002ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>WS22-16</b>	Batch ID: <b>69077</b>			RunNo: <b>89847</b>						
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>			SeqNo: <b>3199658</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9814	0	87.8	68.8	120			
Toluene	0.88	0.049	0.9814	0	89.9	73.6	124			
Ethylbenzene	0.89	0.049	0.9814	0	90.6	72.7	129			
Xylenes, Total	2.7	0.098	2.944	0	90.7	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9814		86.6	70	130			

Sample ID: <b>2207c30-002amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>WS22-16</b>	Batch ID: <b>69077</b>			RunNo: <b>89847</b>						
Prep Date: <b>7/26/2022</b>	Analysis Date: <b>7/27/2022</b>			SeqNo: <b>3199659</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9921	0	93.8	68.8	120	7.72	20	
Toluene	0.96	0.050	0.9921	0	97.0	73.6	124	8.70	20	
Ethylbenzene	0.98	0.050	0.9921	0	98.6	72.7	129	9.56	20	
Xylenes, Total	2.9	0.099	2.976	0	98.8	75.7	126	9.59	20	
Surr: 4-Bromofluorobenzene	0.86		0.9921		86.8	70	130	0	0	

**Qualifiers:**

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



## Sample Log-In Check List

Client Name: Devon Energy

Work Order Number: 2207C30

RcptNo: 1

Received By: Juan Rojas

7/26/2022 6:50:00 AM

*Juan Rojas*

Completed By: Cheyenne Cason

7/26/2022 7:56:31 AM

*Cason*Reviewed By: *7-26-22*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *Jr 7/26/22*Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good	Not Present			





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

QUESTIONS

Action 529942

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2208125818
Incident Name	NAPP2208125818 BELL LAKE 19 STATE #001H @ 30-025-41024
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-41024] BELL LAKE 19 STATE #001H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	BELL LAKE 19 STATE #001H
Date Release Discovered	03/21/2022
Surface Owner	State

**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   Other (Specify)   Produced Water   Released: 4 BBL   Recovered: 0 BBL   Lost: 4 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)	A 4" Ball Valve on the main water transfer line developed a pin hole. It is located at the edge of the pad and is after the water flow meter. The estimated volume is 3.8 bbls of produced water. The spill was not in a lined containment. The spill did impact the pad. The spill did run off the pad just behind the tanks. The lease operator shut down the transfer pump and closed the valve on the line.

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QUESTIONS, Page 2

Action 529942

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 11/26/2025
--	---



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QUESTIONS, Page 3

Action 529942

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	440
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1510
GRO+DRO (EPA SW-846 Method 8015M)	690
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/14/2022
On what date will (or did) the final sampling or liner inspection occur	10/05/2023
On what date will (or was) the remediation complete(d)	10/05/2023
What is the estimated surface area (in square feet) that will be reclaimed	3327
What is the estimated volume (in cubic yards) that will be reclaimed	493
What is the estimated surface area (in square feet) that will be remediated	3327
What is the estimated volume (in cubic yards) that will be remediated	493
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 529942

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 11/26/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 529942

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	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

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QUESTIONS, Page 6

Action 529942

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	320927
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/13/2022
What was the (estimated) number of samples that were to be gathered	17
What was the sampling surface area in square feet	1000

**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	3327
What was the total volume (cubic yards) remediated	493
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	3327
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	see 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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 11/26/2025
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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 529942

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	3327
What was the total volume of replacement material (in cubic yards) for this site	389
<i>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 600 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 material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	05/15/2026
Summarize any additional reclamation activities not included by answers (above)	Summary in report
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmn.com Date: 11/26/2025

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Santa Fe, NM 87505

QUESTIONS, Page 8  
  
Action 529942

QUESTIONS (continued)

Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:  6137
	Action Number:  529942
	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.	

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**Santa Fe, NM 87505**

CONDITIONS

Action 529942

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529942
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	1/30/2026