-General Information

NMOCD District:	District 2	Incident ID:	nRM2008052559
Landowner:	Federal	RP Reference:	N/A
Client:	Devon Energy Production Company, LP	Site Location:	Strawberry 7 Fed Com 9H
Date:	May 8, 2024	Project #:	23E-04452
Client Contact:	Dale Woodall	Phone #:	405.318.4697
Vertex PM:	Kent Stallings	Phone #:	346.814.1413

Objective

The objective of the environmental remediation work plan is to identify exceedances found during the site assessment/characterization activity and propose an appropriate remediation technique to address the 1 barrel (bbls) of crude oil and 22 bbls of produced water released on pad at Strawberry 7 Fed Com 9H on March 16, 2020. Areas of environmental concern identified and delineated include the area around the pump jack on the south side of the pad (Attachment 1). Closure criteria have been selected as per New Mexico Administrative Code 19.15.29. All applicable research as it pertains to closure criteria selection is presented in Attachment 2. The closure criteria for the site are presented below in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
51 feet - 100 feet	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – Total dissolved solids
TPH – Total petroleum hydrocarbons = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO)
BTEX – Benzene, toluene, ethylbenzene, and xylenes

Site Assessment/Characterization

Site characterization was completed on October 17, 2023. A total of 71 samples were collected for field screening. All samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis. The sample locations are presented in Attachment 1. According to the New Mexico Office to the State Engineer, well number C-01907-POD1 the nearest depth to groundwater reference in the area is a 55 feet below ground surface (bgs) dry hole. Laboratory analysis results have been compared to the above-noted closure criteria, and the results from the characterization activity are presented in Table 2 (Attachment 3). Laboratory data reports are included in Attachment 4. Closure criteria exceedance is identified in the table as bold with a grey background (Attachment 3).

Proposed Remedial Activities

General

Areas identified with contaminant concentrations above closure criteria will be remediated through excavation. Laboratory results from the site assessment/characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Soil will be excavated to the extents of the known contamination or in 1-foot increments, whichever is

less. Field screening will be utilized to confirm the removal of contaminated soil below the applicable closure criteria. Contaminated soil will be stored on a 30mil liner prior to disposal at an approved facility. Once excavation is complete, confirmatory samples will be collected and laboratory analysis completed to confirm closure criteria guidelines are met. Excavations will be backfilled with clean soil sourced locally.

nRM2008052559 (03-16-2020) – Cruel Oil and Produced Water Released onto Pad

A total of 71 samples were collected for analysis in the release area on the south portion of the pad. Sample point BH23-29 exceeded the closure criteria for TPH. One excavation area is proposed for BH23-29, located to the west of the pump jack to a proposed depth of 1 foot bgs (Table 2; Attachment 1). A hydrovac truck will be utilized to remove contaminated soil in close proximity to any lines. Heavy equipment will be used to complete excavation. Field screening will be utilized to find the horizontal and vertical extents of the spill area. Confirmatory samples will be collected as per New Mexico Oil Conservation Division guidance and submitted for laboratory analysis of all applicable parameters. The estimated volume to be excavated is **18 cubic yards**.

Sample Point	Excavation Depth	Remediation Method
BH23-29	1’	Excavator

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

Deusavan CostaFilho

Deusavan CostaFilho, M.Sc.
ENVIRONMENTAL TECHNICIAN, REPORTING

May 8, 2024
Date

kent stallings P.G.

Kent Stallings, P.G.
PROJECT MANAGER, REPORT REVIEW

May 08, 2024
Date

Attachments

Attachment 1. Characterization Sampling Site and Proposed Excavation Schematic
Attachment 2. Closure Criteria Research
Attachment 3. Field Screening and Laboratory Results Table
Attachment 4. Laboratory Data Reports and Chain of Custody Forms

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: _____ Title: _____

Signature: Kendra DeHoyos Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Inputs in blue, Outputs in red

Contaminated Soil measurement	
Area (square feet)	Depth(inches)
1925	3.000
Cubic Feet of Soil Impacted	481.250
Barrels of Soil Impacted	85.78
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	12.87
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	12.87
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
1925	0.350
Standing fluid	10.008
Total fluids spilled	22.878

Incident ID	NRM2008052559
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>55 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2008052559
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Date:

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Date:

Incident ID	NRM2008052559
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: _____ Date: _____

email: dale.woodall@dvn.com Telephone: 575-748-1838

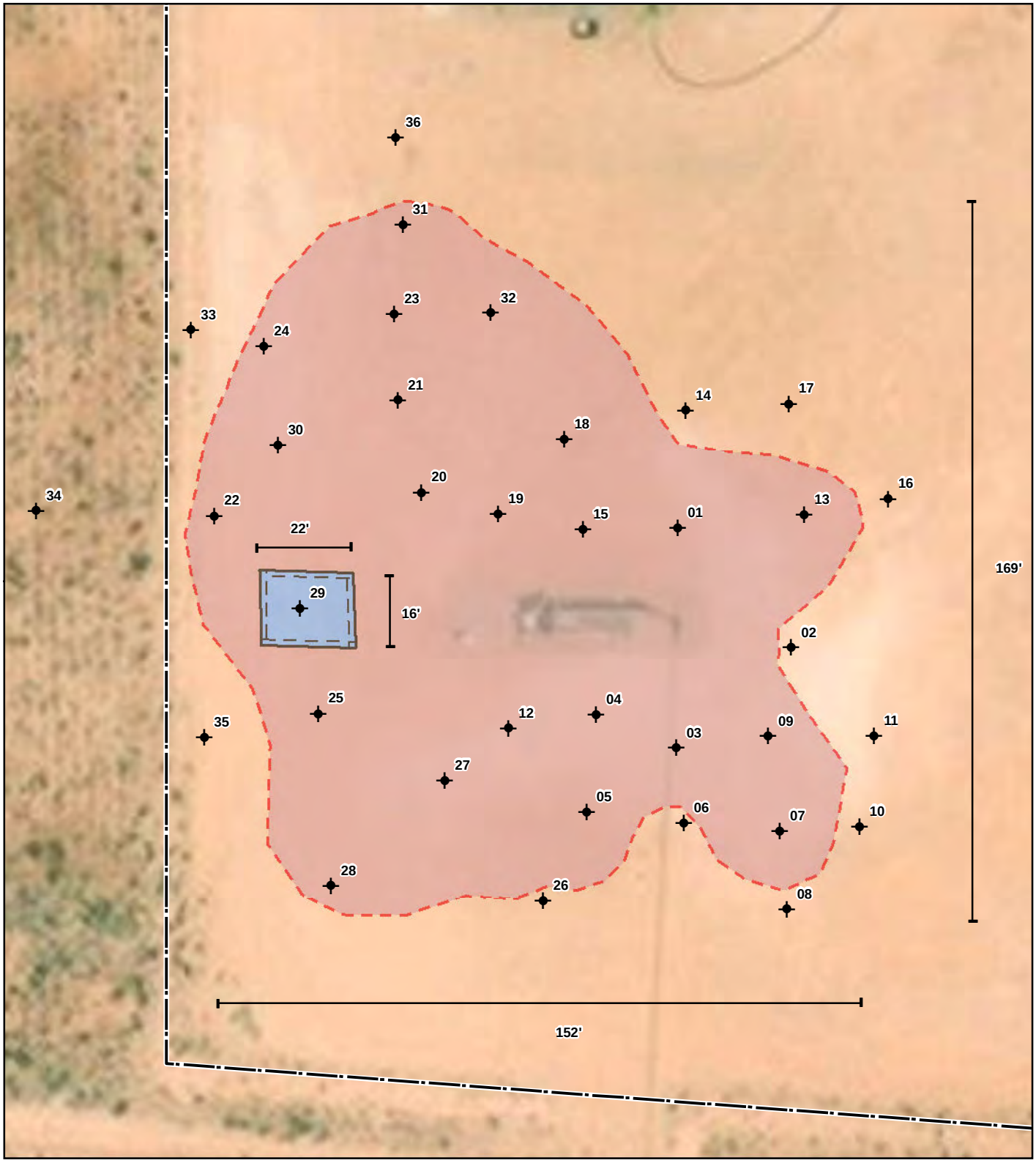
OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

ATTACHMENT 1



Borehole (Prefixed by "BH23-")
Proposed Excavation to 1' (~395 sq. ft.)
Approximate Lease Boundary
Approximate Spill Area (~18,781 sq. ft.)

VERTEX

0 5 10 20 ft

NAD 1983 UTM Zone 13N
Date: Nov 07/23

Map Center:
Lat: 32.671804,
Long:-103.901320

N

Characterization Sampling Site and Proposed Excavation Schematic Strawberry 7 Fed Com 9H

FIGURE: 1

devon

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

Note: Georeferenced image from Esri, 2022. Approximate lease boundary from imagery by Vertex Professional Services Ltd. (Vertex), 2023. Site features from GPS by Vertex, 2023.

VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2023\23E-04452 - Strawberry 7 Fed Com 9H\Figure 1 Confirmatory Sampling Site Schematic (23E-04452)ID17400.mxd

ATTACHMENT 2

Closure Criteria Determination			
Site Name: Strawberry 7 Fed Com 9H			
Spill Coordinates: 32.671784, -103.901203		X: 603026	Y: 3615435
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	**>55**	feet
	Distance between release and nearest DTGW reference	**2,250**	feet
		0.43	miles
	Date of nearest DTGW reference measurement	**July 13, 2022**	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	6,934	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	7,517	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	17,608	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, **or**	10,186	feet
	ii) Within 1000 feet of any fresh water well or spring	No	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	4,754	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
	Distance between release and nearest registered mine	**21,120**	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	**7,716**	feet
10	Within a 100-year Floodplain	>500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	**14,860**	feet
11	Soil Type	Sandy loam	
12	Ecological Classification	Loamy sand	
13	Geology	Qep	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	<50' 51-100' >100'

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01907 POD1		CP	ED	4	2	2	18	19S	31E	603017	3614737	697			
CP 01943 POD1		CP	ED	1	3	1	20	19S	31E	603217	3612883	2558	55		
CP 00873 POD1		CP	LE		1	1	19	19S	31E	601772	3613147*	2609	340	180	160
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	3447	120		
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	3664	630		
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	3938	630		
CP 01941 POD1		CP	ED	3	2	2	29	19S	31E	604524	3611512	4198	55	54	1
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	4632	400		
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	4647	400		
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	4702	350	65	285
CP 00647 POD1	O	CP	ED	4	2	2	15	19S	30E	598235	3614621*	4859	200	92	108

Average Depth to Water: **97 feet**
Minimum Depth: **54 feet**
Maximum Depth: **180 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

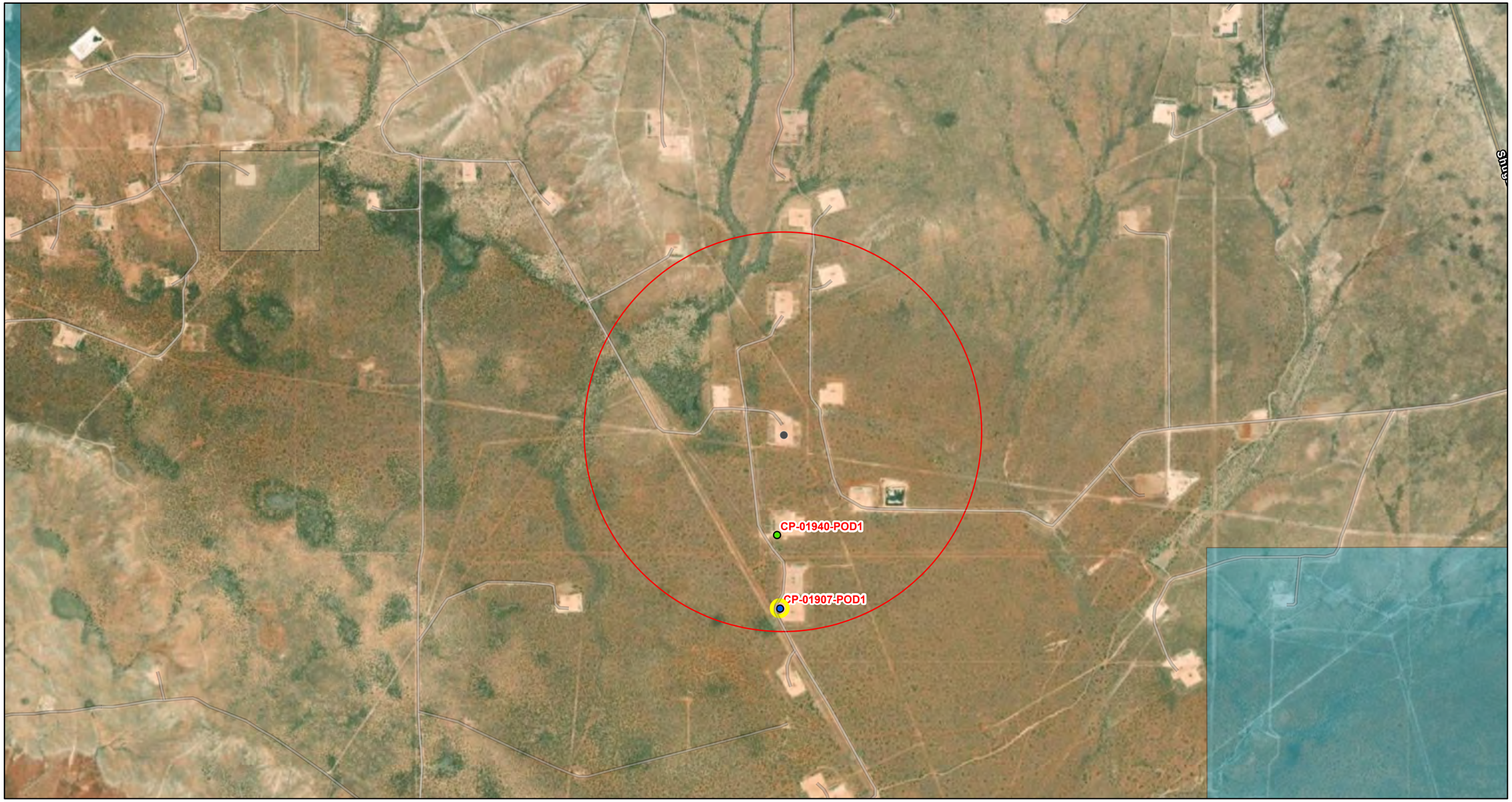
Easting (X): 603026 **Northing (Y):** 3615435 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

7/20/23 2:19 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Strawberry 7 Fed Com 9H - 0.5 mi Radius



9/28/2023, 1:49:22 PM

GIS WATERS PODs
- Active
- Pending

OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

Both Estates

SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

Online web user
This is an unofficial map from the OSE's online application.

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01907 POD1	4	2	2	18	19S	31E	603017	3614737

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE ATKINS

Drill Start Date: 07/13/2022 **Drill Finish Date:** 07/13/2022 **Plug Date:**

Log File Date: 08/11/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

Casing Perforations:	Top	Bottom
	0	55

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	CP-1907

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	39	55.76	N
	LONGITUDE	103	54	4.95	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

SE NE NE Sec.18 T19S R31S NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/13/2022	7/13/2022	Temporary Well	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 7/13/2022, 7/1/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.5	Boring-HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-1907 POD1 TW-1	POD NO.	1	TRN NO.	726167
LOCATION	19.31.18.422			WELL TAG ID NO.	—

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	29	29	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓ N	
29	44	15	Sand, Medium/ Fine grained, poorly graded, with caliche Light brown / white	Y ✓ N	
44	55	11	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 8/4/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-1907-POD1 TW-1	POD NO. 1	TRN NO. 726167	
LOCATION 19.31.18.422		WELL TAG ID NO.	PAGE 2 OF 2

U.S. Fish and Wildlife Service
National Wetlands Inventory

02 - Watercourse - 6,934 feet away (1.32 mi)
Strawberry 7 Fed Com 9H

July 20, 2023

Wetlands

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

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

03 - Lakebed - 7,517 feet away (1.42 miles)
Strawberry 7 Fed Com 9H

July 20, 2023

Wetlands

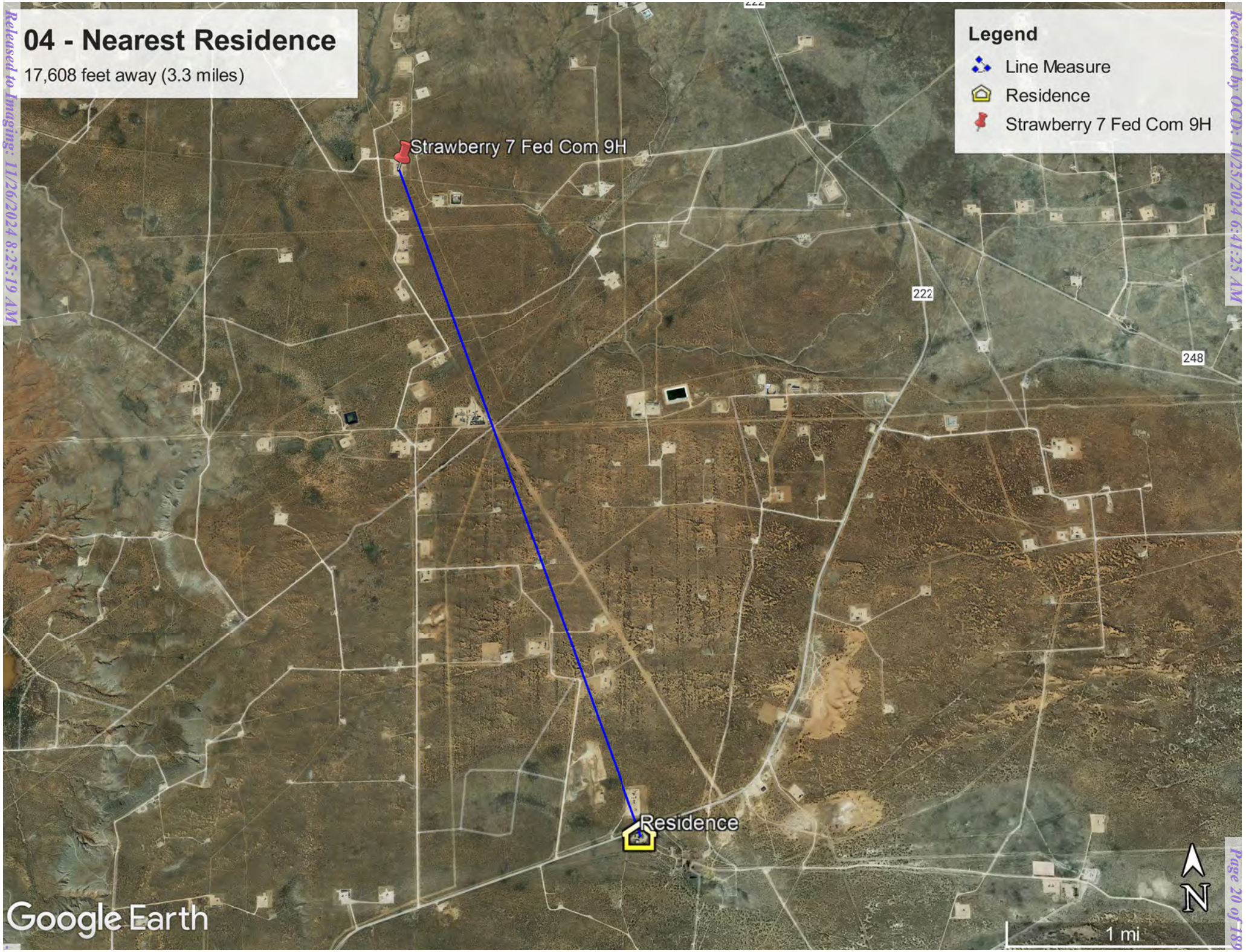
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

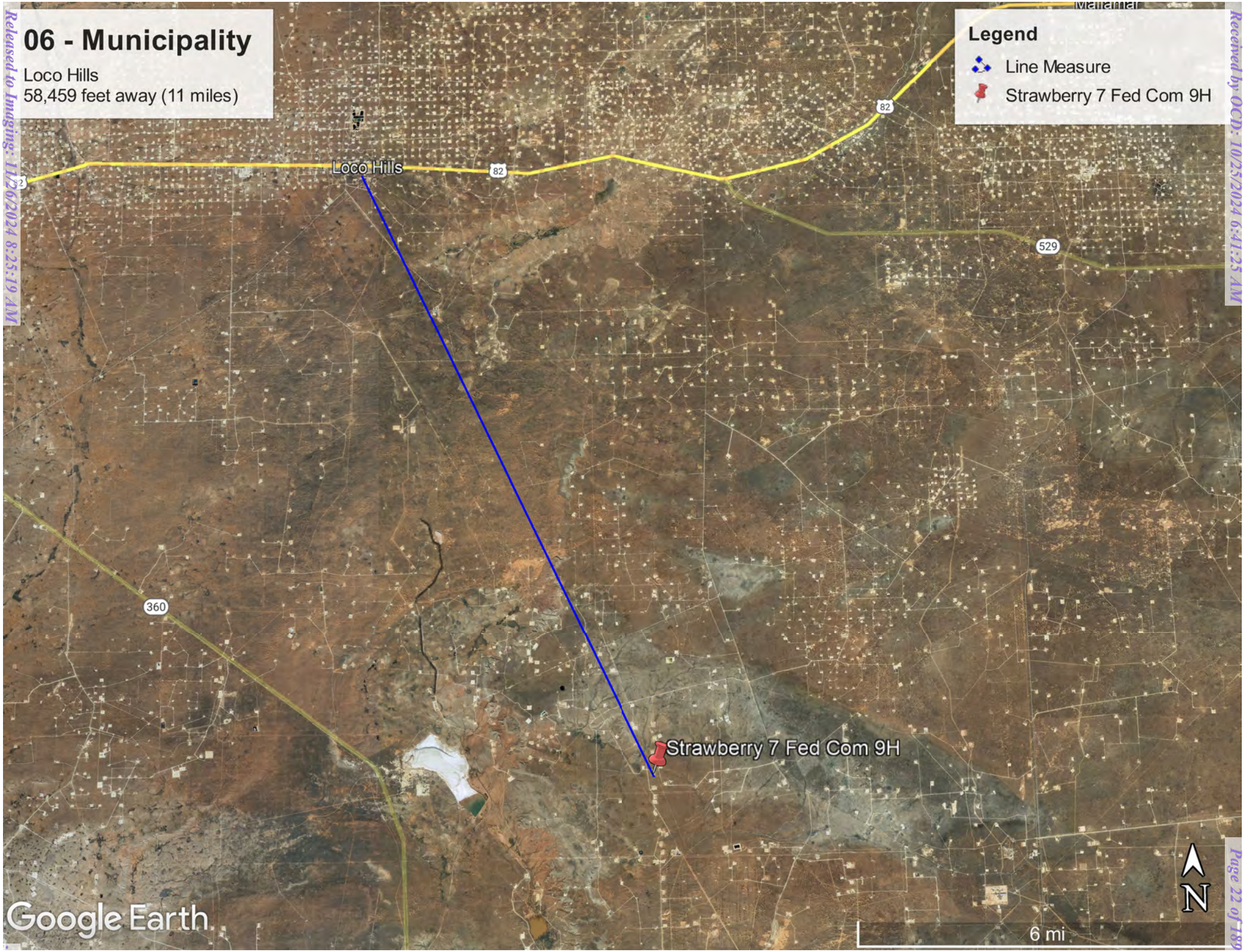
04 - Nearest Residence

17,608 feet away (3.3 miles)



05 - Stock Water

CP 01032 POD1
10,186 feet away (1.93 miles)



U.S. Fish and Wildlife Service
National Wetlands Inventory

07 - Wetland - 4,754 feet away (0.9 mile)
Strawberry 7 Fed Com 9H

July 20, 2023

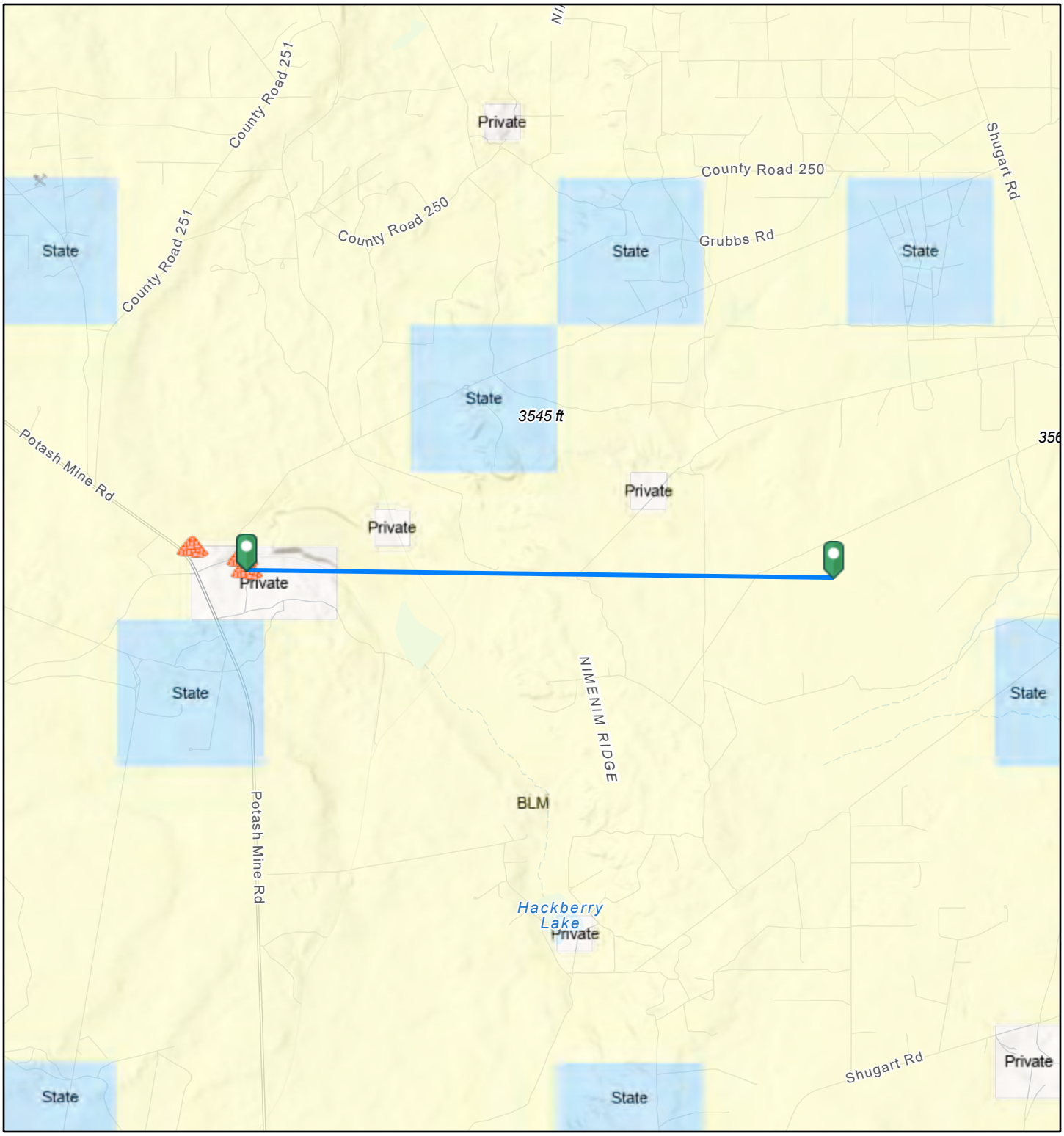
Wetlands

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

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Strawberry 7 Fed Com 9H - 4 miles to Subsurface Mine



1/12/2024, 4:03:53 PM

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Registered Mines

- Aggregate, Stone etc.
- Potash

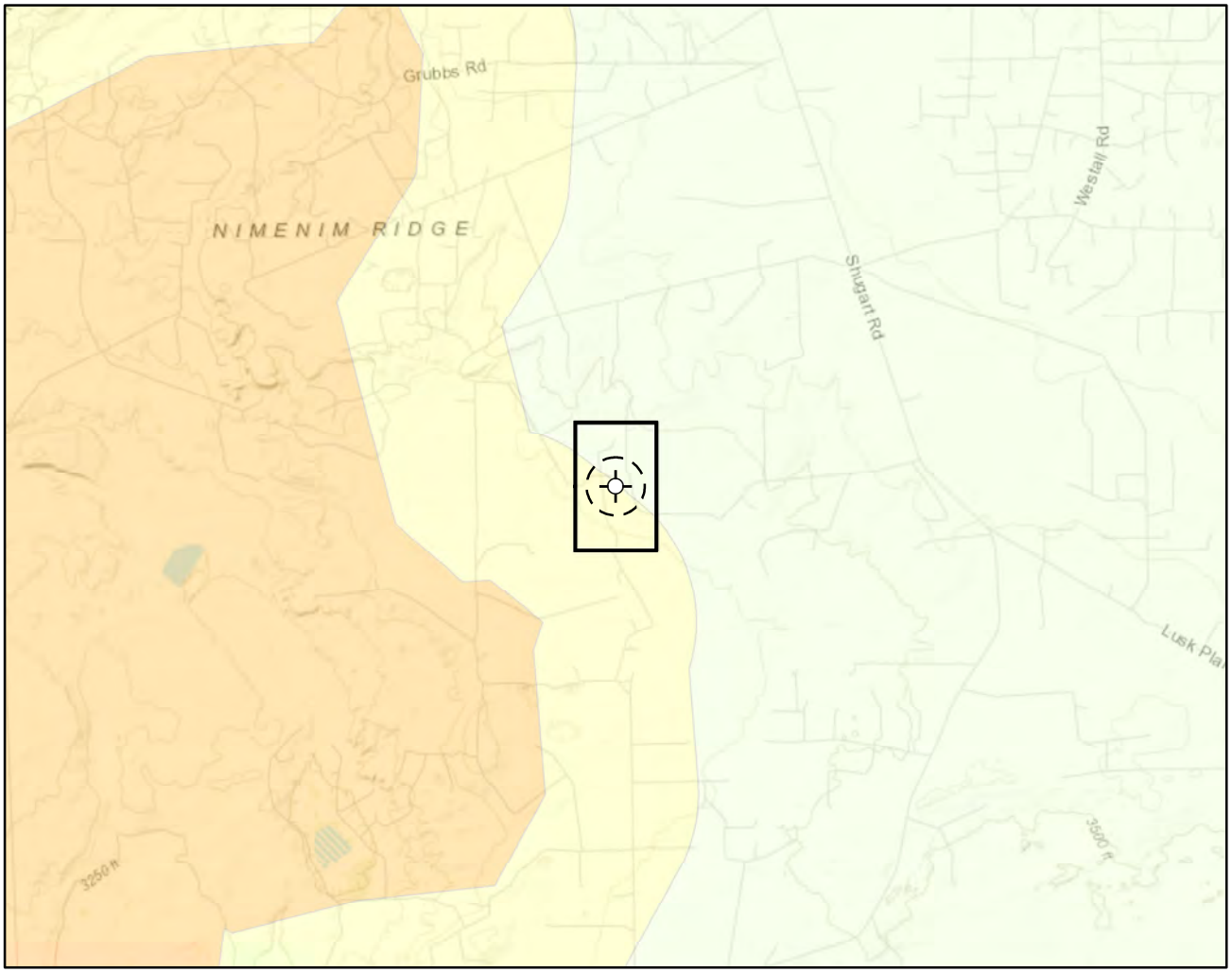
Land Ownership

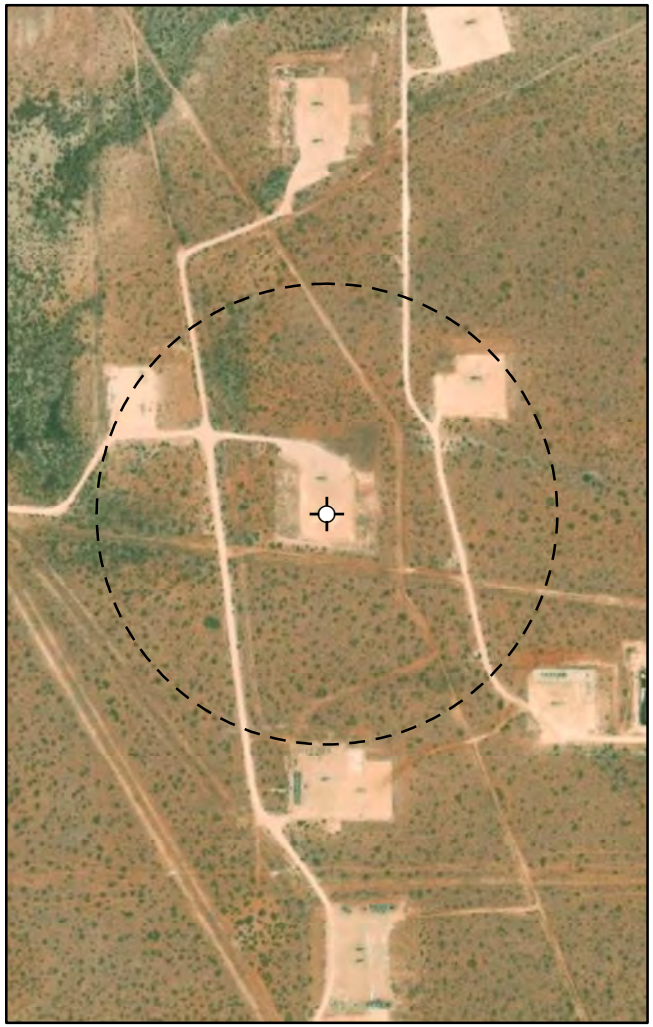
- BLM
- P
- S

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

EMNRD MMD GIS Coordinator

New Mexico Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)





Karst Potential

- Critical
- High
- Medium
- Low

Site Location

Site Bufffer (1,000 ft.)

Overview Map

0 0.25 0.5 1 mi

Detail Map

0 150 300 600 ft.

VERTEX

Map Center:
Lat/Long: 32.671784, -103.901203

NAD 1983 UTM Zone 13N
Date: Jul 21/23

N

Karst Potential Map
Strawberry 7 Fed Com 9H

FIGURE:
X

devon

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

Note: Inset Map, ESRI 2022; Overview Map: ESRI World Topographic. Karst potential data sourced from Rosswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management. (2018). Karst Potential.

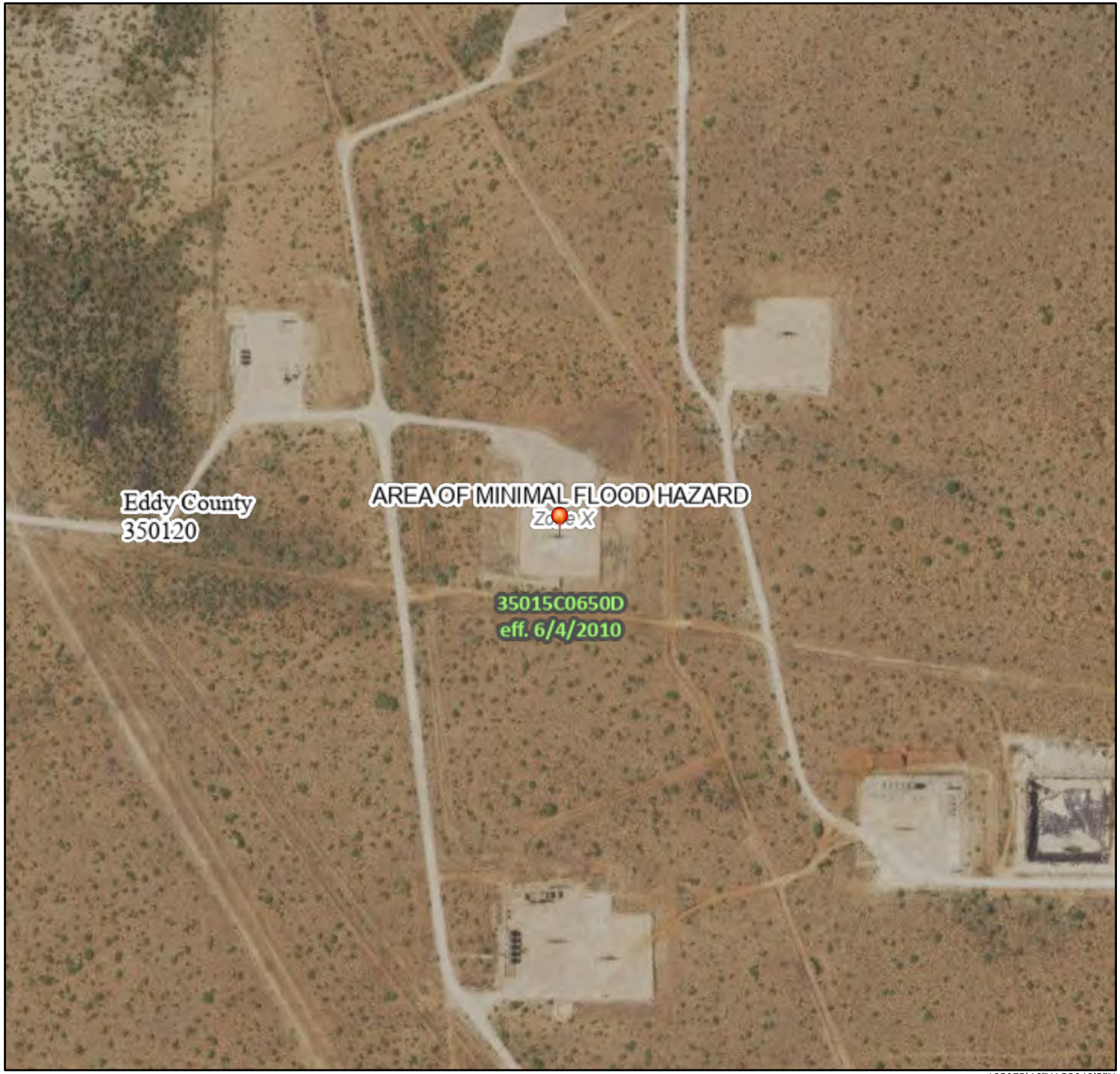
VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2023\23E-04452 - Strawberry 7 Fed Com 9H\Figure X Karst Potential Map (23E-04452).mxd

National Flood Hazard Layer FIRMette

FEMA

103°54'23"W 32°40'34"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°53'46"W 32°40'3"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

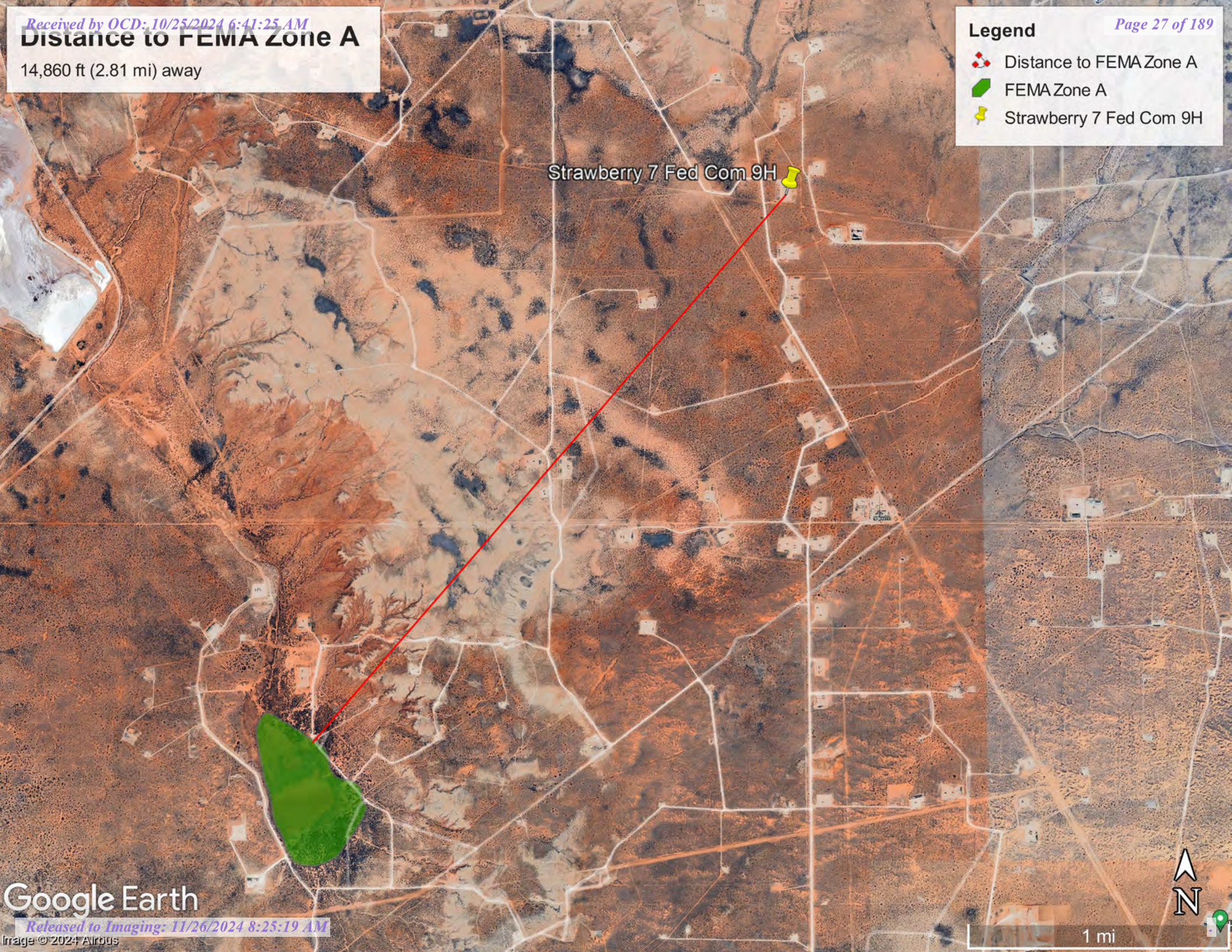
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/20/2023 at 5:50 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Distance to FEMA Zone A

14,860 ft (2.81 mi) away



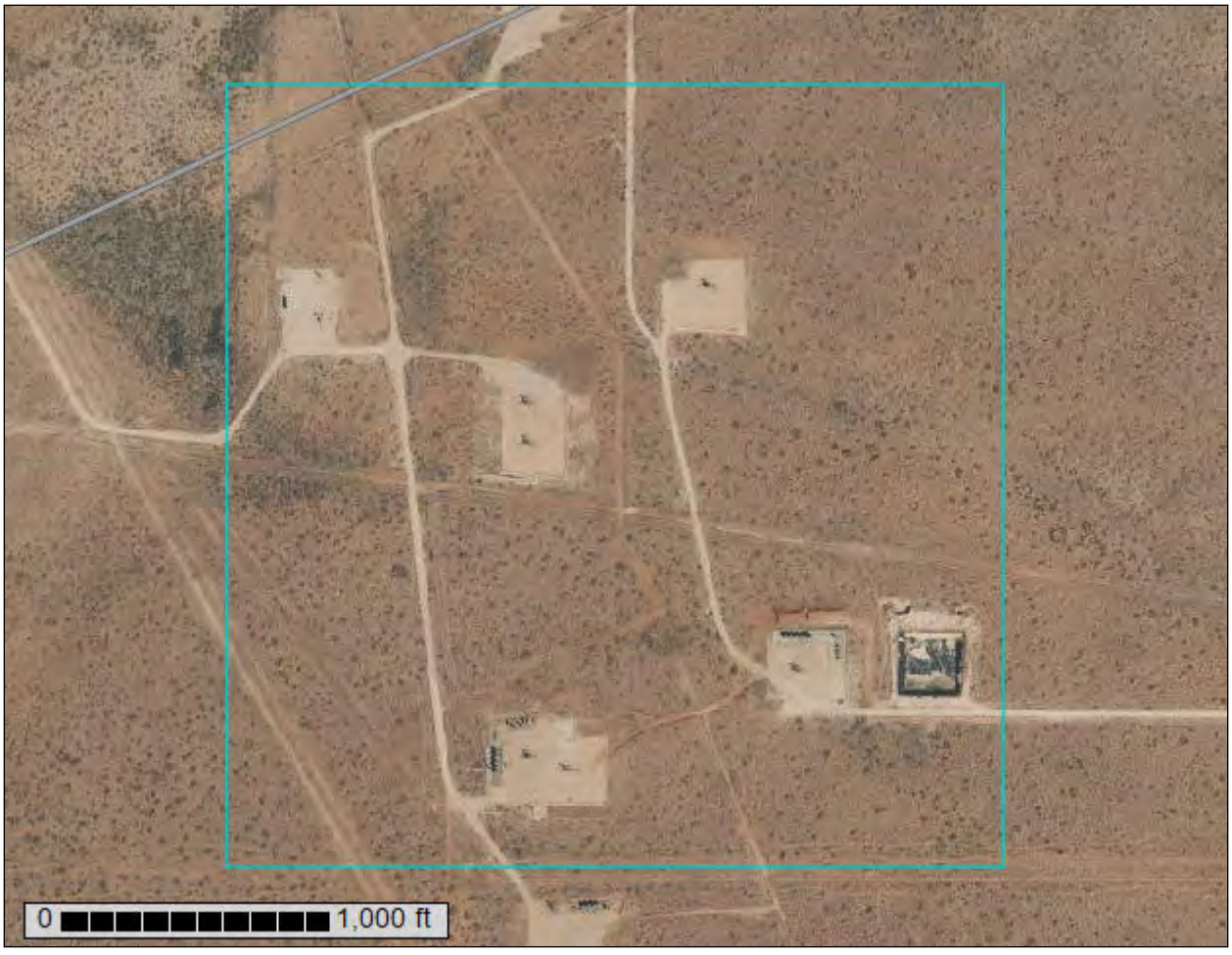
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

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

Custom Soil Resource Report for Eddy Area, New Mexico



July 20, 2023

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

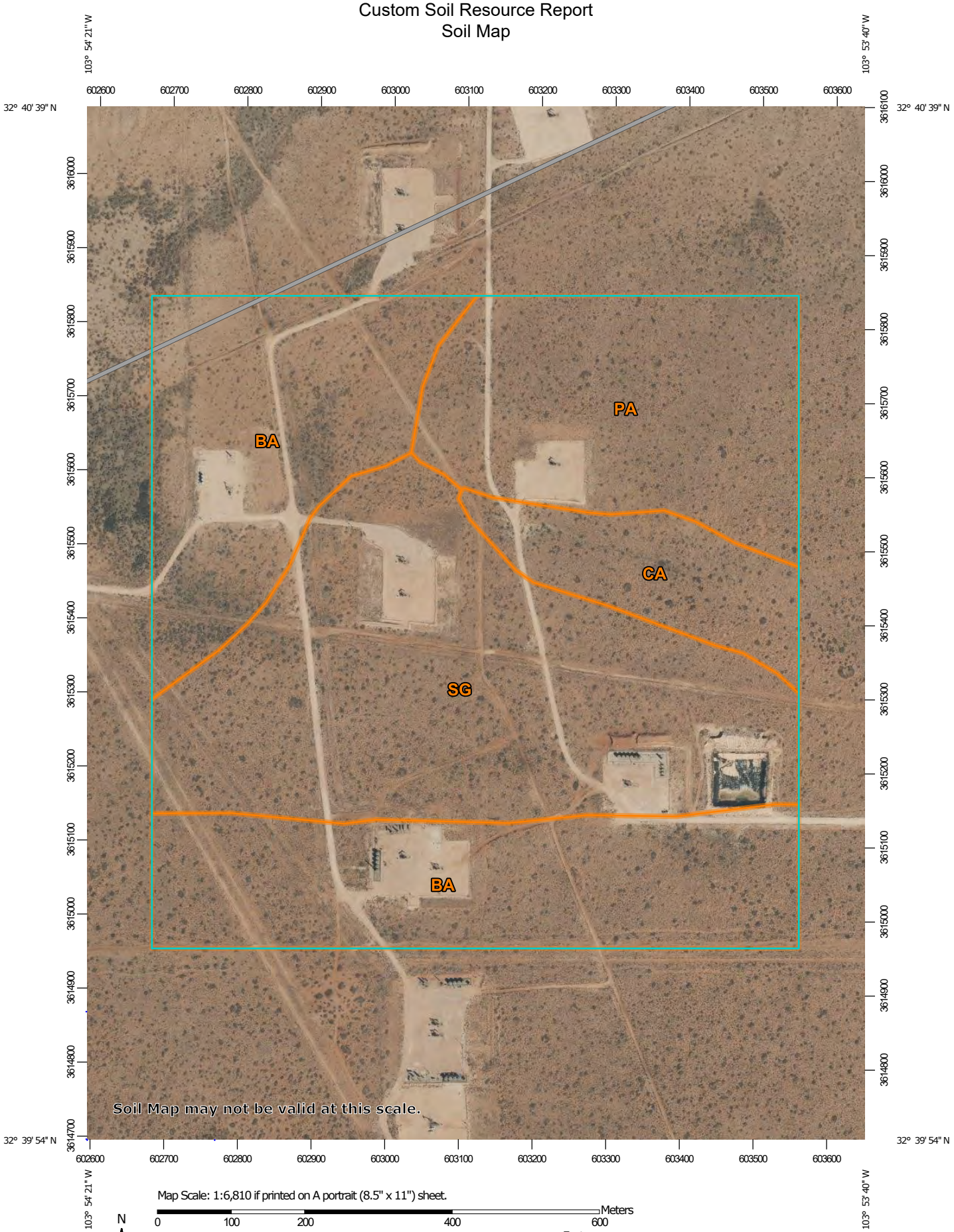
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:6,810 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 100 200 400 600

Feet
0 300 600 1200 1800

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

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

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

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	72.8	37.9%
CA	Cacique loamy sand, 0 to 3 percent slopes, eroded	14.2	7.4%
PA	Pajarito loamy fine sand, 0 to 3 percent slopes, eroded	36.7	19.1%
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	68.3	35.6%
Totals for Area of Interest		**192.0**	**100.0%**

Map Unit Descriptions

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

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

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

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

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

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

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

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

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

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

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

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w42
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Pajarito

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

CA—Cacique loamy sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w46
Elevation: 3,000 to 5,500 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 57 to 68 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Cacique and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cacique

Setting

Landform: Plains, basin floors
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 5 inches: loamy sand
H2 - 5 to 24 inches: sandy clay loam
H3 - 24 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 3.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components

Berino

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

Berino

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w54
Elevation: 2,700 to 5,500 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

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

Typical profile

H1 - 0 to 13 inches: loamy fine sand
H2 - 13 to 36 inches: fine sandy loam
H3 - 36 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Berino

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

Wink

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

SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5w
Elevation: 2,750 to 5,000 feet
Mean annual precipitation: 8 to 16 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

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

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 4 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Playa

Percent of map unit: 1 percent
Landform: Playas
Landform position (three-dimensional): Talf
Down-slope shape: Concave, convex
Across-slope shape: Concave, linear
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: Yes

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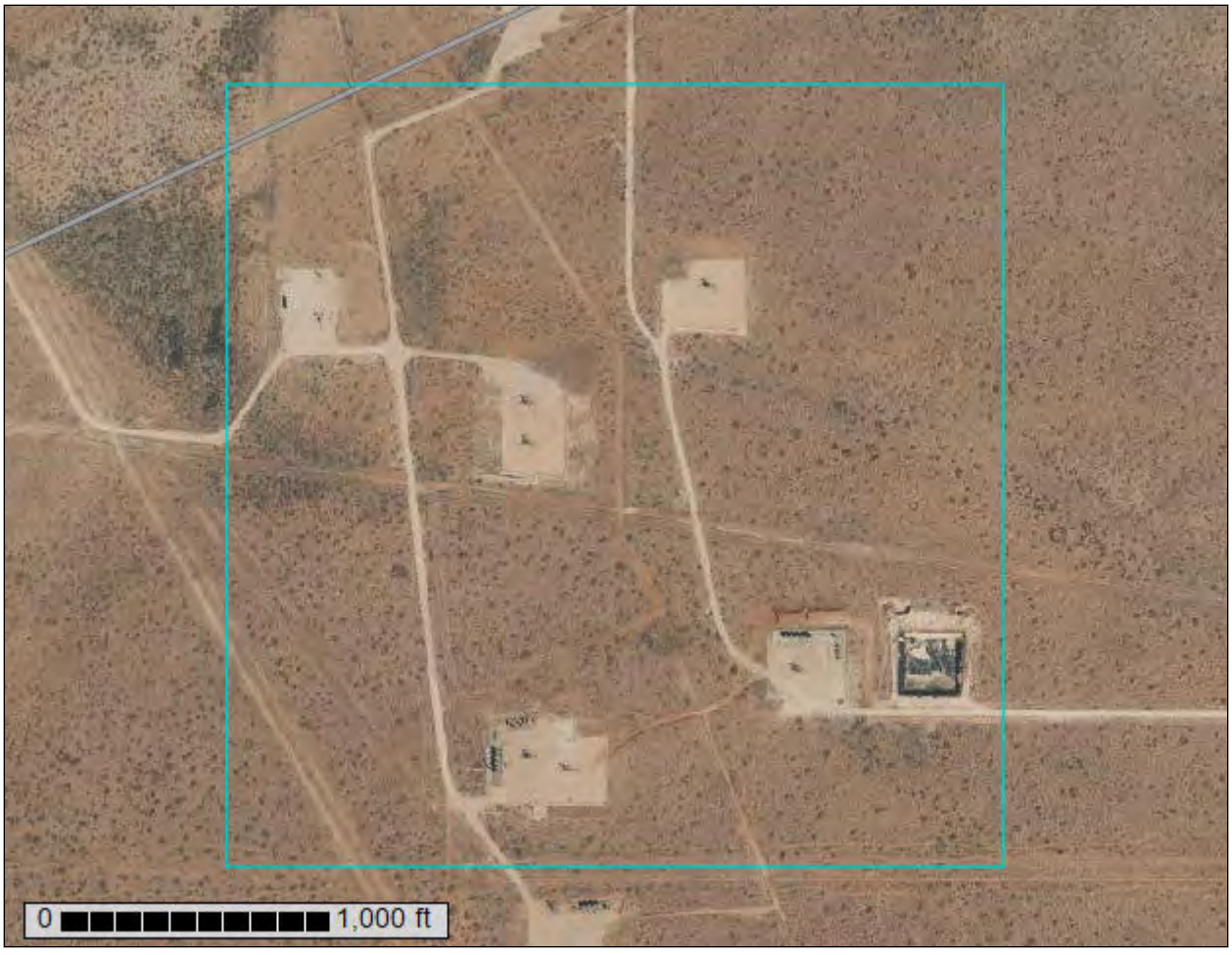
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

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

Custom Soil Resource Report for Eddy Area, New Mexico



July 20, 2023

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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Contents

Soil Information for All Uses

Ecological Sites

Individual soil map unit components can be correlated to a particular ecological site. The Ecological Site Assessment section includes ecological site descriptions, plant growth curves, state and transition models, and selected National Plants database information.

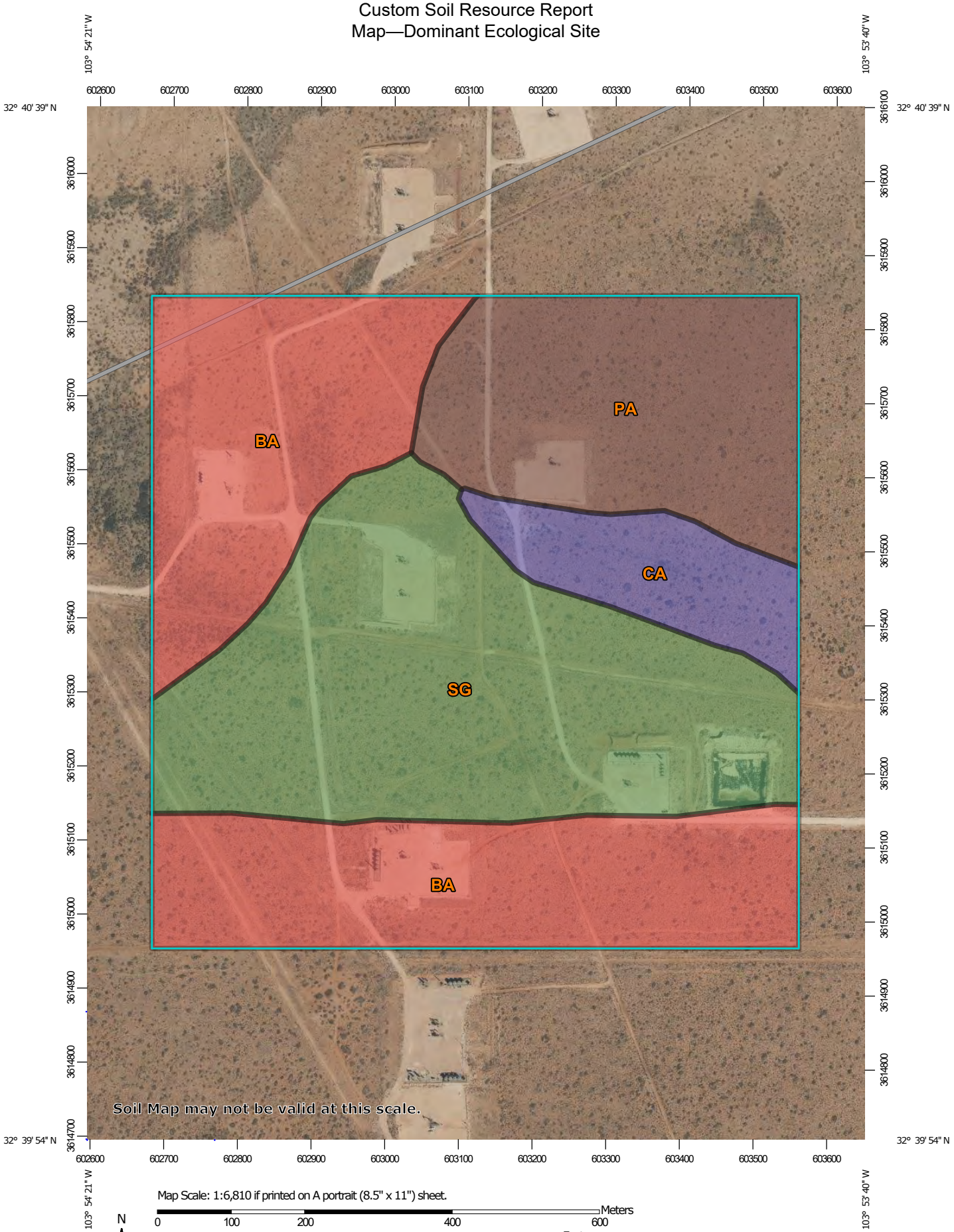
All Ecological Sites —

An "ecological site" is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. For example, the hydrology of the site is influenced by development of the soil and plant community. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production.

An ecological site name provides a general description of a particular ecological site. For example, "Loamy Upland" is the name of a rangeland ecological site. An "ecological site ID" is the symbol assigned to a particular ecological site.

The map identifies the dominant ecological site for each map unit, aggregated by dominant condition. Other ecological sites may occur within each map unit. Each map unit typically consists of one or more components (soils and/or miscellaneous areas). Each soil component is associated with an ecological site. Miscellaneous areas, such as rock outcrop, sand dunes, and badlands, have little or no soil material and support little or no vegetation and therefore are not linked to an ecological site. The table below the map lists all of the ecological sites for each map unit component in your area of interest.

Custom Soil Resource Report
Map—Dominant Ecological Site



Map Scale: 1:6,810 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0, 100, 200, 400, 600

Feet: 0, 300, 600, 1200, 1800

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

Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- R070BC007NM
- R070BD002NM
- R070BD003NM
- R070BD004NM
- Not rated or not available

Soil Rating Lines
- R070BC007NM
- R070BD002NM
- R070BD003NM
- R070BD004NM
- Not rated or not available

Soil Rating Points
- R070BC007NM
- R070BD002NM
- R070BD003NM
- R070BD004NM
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

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

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

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

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

Table—Ecological Sites by Map Unit Component

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	Berino (99%)	R070BC007NM — Loamy	72.8	37.9%
		Pajarito (1%)	R070BD003NM — Loamy Sand		
CA	Cacique loamy sand, 0 to 3 percent slopes, eroded	Cacique (97%)	R070BD004NM — Sandy	14.2	7.4%
		Berino (1%)	R070BC007NM — Loamy		
		Berino (1%)	R070BC007NM — Loamy		
		Dune land (1%)			
PA	Pajarito loamy fine sand, 0 to 3 percent slopes, eroded	Pajarito (98%)	R070BD003NM — Loamy Sand	36.7	19.1%
		Berino (1%)	R070BD003NM — Loamy Sand		
		Wink (1%)	R070BD003NM — Loamy Sand		
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	Simona (95%)	R070BD002NM — Shallow Sandy	68.3	35.6%
		Simona (4%)	R070BD002NM — Shallow Sandy		
		Playa (1%)	R070BC017NM — Bottomland		
Totals for Area of Interest				**192.0**	**100.0%**

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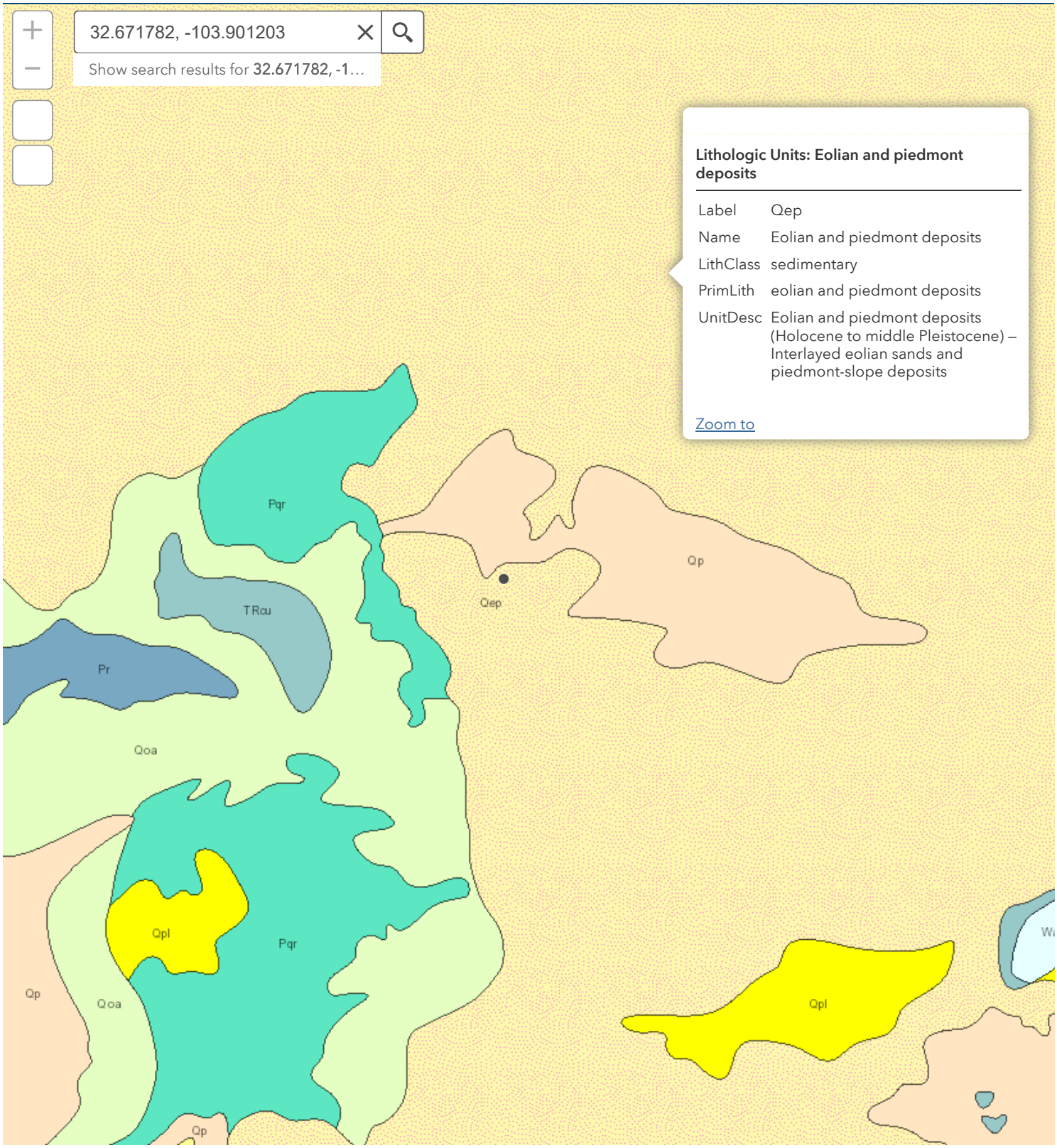
NMBGMR Interactive Resources Map



13 - Geological Map - Strawberry 7 Fed Com 9H

2mi

-103.748 32.697 Degrees

ATTACHMENT 3

Client Name: Devon Energy Production Company, LP
Site Name: Strawberry 7 Fed Com 9H
NMOCD Tracking #: nRM2008052559
Project #: 23E-04453
Lab Reports: 2309C50, 2309E40, 2310438, 2310925, and 2312C27

Table 2. Initial Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater 51 - 100 feet bgs

Sample Description			Field Screening			Laboratory Results							
						Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH23-01	0	September 20, 2023	-	-	3,637	ND	ND	ND	ND	ND	ND	ND	2,200
	2	September 20, 2023	-	49	217	ND	ND	ND	ND	ND	ND	ND	140
BH23-02	0	September 20, 2023	-	25	0	ND	ND	ND	ND	ND	ND	ND	61
	2	September 20, 2023	-	31	44	ND	ND	ND	ND	ND	ND	ND	75
BH23-03	0	September 20, 2023	-	46	723	ND	ND	ND	ND	ND	ND	ND	880
	2	September 20, 2023	-	-	3,743	ND	ND	ND	ND	ND	ND	ND	3600
	4	September 20, 2023	-	56	487	ND	ND	ND	ND	ND	ND	ND	140
BH23-04	0	September 20, 2023	-	-	4,771	ND	ND	ND	ND	ND	ND	ND	4500
	2	September 20, 2023	-	44	1,043	ND	ND	ND	ND	ND	ND	ND	730
BH23-05	0	September 20, 2023	-	14	894	ND	ND	ND	ND	ND	ND	ND	440
	2	September 20, 2023	-	32	290	ND	ND	ND	ND	ND	ND	ND	190
BH23-06	0	September 20, 2023	-	37	559	ND	ND	ND	ND	ND	ND	ND	410
	2	September 20, 2023	-	20	213	ND	ND	ND	ND	ND	ND	ND	100
BH23-07	0	September 20, 2023	-	-	5,461	ND	ND	ND	ND	ND	ND	ND	5400
	2	September 20, 2023	-	19	229	ND	ND	ND	ND	ND	ND	ND	200
BH23-08	0	September 20, 2023	-	3	0	ND	ND	ND	ND	ND	ND	ND	ND
	2	September 20, 2023	-	9	80	ND	ND	ND	ND	ND	ND	ND	66
BH23-09	0	September 20, 2023	-	-	7,500	ND	ND	ND	ND	ND	ND	ND	7300
	2	September 20, 2023	-	-	2,010	ND	ND	ND	ND	ND	ND	ND	1900
	4	September 20, 2023	-	25	311	ND	ND	ND	ND	ND	ND	ND	110
BH23-10	0	September 20, 2023	-	22	375	ND	ND	ND	ND	ND	ND	ND	280
	2	September 20, 2023	-	30	116	ND	ND	ND	ND	ND	ND	ND	69
BH23-11	0	September 20, 2023	-	31	744	ND	ND	ND	ND	ND	ND	ND	390
	2	September 20, 2023	-	20	103	ND	ND	ND	ND	ND	ND	ND	ND
BH23-12	0	September 20, 2023	-	17	581	ND	ND	ND	ND	ND	ND	ND	400
	2	September 20, 2023	-	29	593	ND	ND	ND	ND	ND	ND	ND	450
BH23-13	0	September 22, 2023	-	-	793	ND	ND	ND	ND	ND	ND	ND	710
	2	September 22, 2023	-	-	37	ND	ND	ND	ND	ND	ND	ND	71
BH23-14	0	September 22, 2023	-	52	184	ND	ND	ND	ND	ND	ND	ND	130
	2	September 22, 2023	-	124	44	ND	ND	ND	ND	ND	ND	ND	130
	4	September 22, 2023	-	90	50	ND	ND	ND	ND	ND	ND	ND	390
BH23-15	0	September 22, 2023	-	-	2,170	ND	ND	ND	ND	ND	ND	ND	2700
	2	September 22, 2023	-	-	77	ND	ND	ND	ND	ND	ND	ND	310
BH23-16	0	September 22, 2023	-	-	353	ND	ND	ND	ND	ND	ND	ND	380
	2	September 22, 2023	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
	4	September 22, 2023	-	87	0	ND	ND	ND	ND	ND	ND	ND	ND
BH23-17	0	September 22, 2023	-	48	0	ND	ND	ND	ND	ND	ND	ND	ND
	2	September 22, 2023	-	143	0	ND	ND	ND	ND	ND	ND	ND	ND
BH23-18	0	September 22, 2023	-	151	503	ND	ND	ND	ND	ND	ND	ND	730
	2	September 22, 2023	-	189	382	ND	ND	ND	ND	ND	ND	ND	390
BH23-19	0	September 22, 2023	-	-	1,095	-	-	-	-	-	-	-	-
	2	September 22, 2023	-	-	0	-	-	-	-	-	-	-	-
BH23-20	0	September 22, 2023	-	-	3,993	ND	ND	ND	ND	ND	ND	ND	5300
	2	September 22, 2023	-	-	418	ND	ND	ND	ND	ND	ND	ND	610
BH23-21	0	September 22, 2023	-	-	477	ND	ND	ND	ND	ND	ND	ND	760
BH23-22	0	September 22, 2023	-	-	790	ND	ND	ND	ND	ND	ND	ND	1100
BH23-23	0.5	September 22, 2023	-	-	4,892	ND	ND	ND	ND	ND	ND	ND	6400
BH23-24	0	September 22, 2023	-	-	557	ND	ND	ND	ND	ND	ND	ND	950
	1.5	September 22, 2023	-	-	126	ND	ND	ND	ND	ND	ND	ND	570
BH23-25	0	September 22, 2023	-	-	1883	ND	ND	ND	290	ND	290	290	2,300
	1.5	September 22, 2023	-	-	675	ND	ND	ND	ND	ND	ND	ND	870
BH23-26	0	October 5, 2023	0	33	381	ND	ND	ND	ND	ND	ND	ND	170
	2	October 5, 2023	0	42	245	ND	ND	ND	ND	ND	ND	ND	140

Client Name: Devon Energy Production Company, LP
Site Name: Strawberry 7 Fed Com 9H
NMOCD Tracking #: nRM2008052559
Project #: 23E-04453
Lab Reports: 2309C50, 2309E40, 2310438, 2310925, and 2312C27

Table 2. Initial Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater 51 - 100 feet bgs

Sample Description			Field Screening			Laboratory Results							
						Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH23-27	0	October 5, 2023	0	13	1,010	ND	ND	ND	ND	ND	ND	ND	240
	2	October 5, 2023	0	35	812	ND	ND	ND	ND	ND	ND	ND	400
BH23-28	0	October 5, 2023	0	96	639	ND	ND	ND	9.8	ND	9.8	9.8	650
	2	October 5, 2023	0	63	317	ND	ND	ND	ND	ND	ND	ND	230
BH23-29	0	October 6, 2023	0	0	**772**	ND	ND	ND	4500	ND	**4500**	**4500**	600
	2	October 6, 2023	0	9	**281**	ND	ND	ND	23	ND	23	23	220
BH23-30	0	October 6, 2023	0	52	6,193	ND	ND	ND	ND	ND	ND	ND	9100
	2	October 6, 2023	0	17	3,735	ND	ND	ND	ND	ND	ND	ND	3400
	4	December 19, 2023	-	55	240	ND	ND	ND	ND	ND	ND	ND	71
BH23-31	0	October 6, 2023	0	23	1,541	ND	ND	ND	ND	ND	ND	ND	2200
	2	October 6, 2023	0	9	801	ND	ND	ND	ND	ND	ND	ND	700
BH23-32	0	October 6, 2023	0	0	1,873	ND	ND	ND	ND	ND	ND	ND	2100
	2	October 6, 2023	0	12	850	ND	ND	ND	ND	ND	ND	ND	670
BH23-33	0	October 17, 2023	-	7	0	ND	ND	ND	ND	ND	ND	ND	100
	2	October 17, 2023	-	54	69	ND	ND	ND	ND	ND	ND	ND	130
BH23-34	0	October 17, 2023	-	18	0	ND	ND	ND	ND	ND	ND	ND	ND
	2	October 17, 2023	-	19	43	ND	ND	ND	ND	ND	ND	ND	ND
BH23-35	0	October 17, 2023	-	23	0	ND	ND	ND	ND	ND	ND	ND	70
	2	October 17, 2023	-	6	0	ND	ND	ND	ND	ND	ND	ND	ND
BH23-36	0	December 19, 2023	-	44	532	ND	ND	ND	ND	ND	ND	ND	150
	2	December 19, 2023	-	35	375	ND	ND	ND	ND	ND	ND	ND	ND
BH23-36	0	December 19, 2023	-	47	561	ND	ND	ND	ND	ND	ND	ND	ND
	2	December 19, 2023	-	1	430	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)
Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)

ATTACHMENT 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 06, 2023

Kent Stallings

Devon Energy
6488 Seven Rivers Highway
Artesia, NM 88210
TEL: (575) 748-0176
FAX:

RE: Strawberry 7 Fed Com 9H OrderNo.: 2309C50

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 26 sample(s) on 9/22/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-001 **Matrix:** SOIL

Client Sample ID: BH23-01 0.0'
Collection Date: 9/20/2023 9:00:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/27/2023 8:00:28 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 8:00:28 AM
Surr: DNOP	95.9	69-147		%Rec	1	9/27/2023 8:00:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/27/2023 7:24:00 PM
Surr: BFB	97.9	15-244		%Rec	1	9/27/2023 7:24:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 7:24:00 PM
Toluene	ND	0.049		mg/Kg	1	9/27/2023 7:24:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2023 7:24:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/27/2023 7:24:00 PM
Surr: 4-Bromofluorobenzene	87.9	39.1-146		%Rec	1	9/27/2023 7:24:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2200	60		mg/Kg	20	9/28/2023 11:55:35 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-002 **Matrix:** SOIL

Client Sample ID: BH23-01 2.0'
Collection Date: 9/20/2023 9:10:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/27/2023 12:09:48 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/27/2023 12:09:48 AM
Surr: DNOP	95.8	69-147		%Rec	1	9/27/2023 12:09:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/27/2023 3:30:52 PM
Surr: BFB	94.2	15-244		%Rec	1	9/27/2023 3:30:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 3:30:52 PM
Toluene	ND	0.049		mg/Kg	1	9/27/2023 3:30:52 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2023 3:30:52 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2023 3:30:52 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	9/27/2023 3:30:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	140	60		mg/Kg	20	9/28/2023 12:32:48 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-003 **Matrix:** SOIL

Client Sample ID: BH23-02 0.0'
Collection Date: 9/20/2023 9:20:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/27/2023 12:43:39 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 12:43:39 AM
Surr: DNOP	94.7	69-147		%Rec	1	9/27/2023 12:43:39 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/27/2023 4:41:07 PM
Surr: BFB	94.0	15-244		%Rec	1	9/27/2023 4:41:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 4:41:07 PM
Toluene	ND	0.048		mg/Kg	1	9/27/2023 4:41:07 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2023 4:41:07 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/27/2023 4:41:07 PM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	9/27/2023 4:41:07 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	61	60		mg/Kg	20	9/28/2023 12:45:13 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-004 **Matrix:** SOIL

Client Sample ID: BH23-02 2.0'
Collection Date: 9/20/2023 9:30:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/27/2023 12:54:52 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 12:54:52 AM
Surr: DNOP	94.6	69-147		%Rec	1	9/27/2023 12:54:52 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/27/2023 5:51:33 PM
Surr: BFB	97.0	15-244		%Rec	1	9/27/2023 5:51:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	9/27/2023 5:51:33 PM
Toluene	ND	0.049		mg/Kg	1	9/27/2023 5:51:33 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2023 5:51:33 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2023 5:51:33 PM
Surr: 4-Bromofluorobenzene	106	39.1-146		%Rec	1	9/27/2023 5:51:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	75	60		mg/Kg	20	9/28/2023 12:57:37 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-005 **Matrix:** SOIL

Client Sample ID: BH23-03 0.0'
Collection Date: 9/20/2023 9:40:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/27/2023 1:06:05 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 1:06:05 AM
Surr: DNOP	95.0	69-147		%Rec	1	9/27/2023 1:06:05 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/27/2023 6:14:56 PM
Surr: BFB	94.9	15-244		%Rec	1	9/27/2023 6:14:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 6:14:56 PM
Toluene	ND	0.047		mg/Kg	1	9/27/2023 6:14:56 PM
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2023 6:14:56 PM
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2023 6:14:56 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	9/27/2023 6:14:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	880	60		mg/Kg	20	9/28/2023 1:10:01 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-006 **Matrix:** SOIL

Client Sample ID: BH23-03 2.0'
Collection Date: 9/20/2023 9:50:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/27/2023 1:17:16 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 1:17:16 AM
Surr: DNOP	101	69-147		%Rec	1	9/27/2023 1:17:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/27/2023 6:38:22 PM
Surr: BFB	97.3	15-244		%Rec	1	9/27/2023 6:38:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 6:38:22 PM
Toluene	ND	0.049		mg/Kg	1	9/27/2023 6:38:22 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2023 6:38:22 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/27/2023 6:38:22 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/27/2023 6:38:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3600	150		mg/Kg	50	9/30/2023 11:09:45 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-007 **Matrix:** SOIL

Client Sample ID: BH23-03 4.0'
Collection Date: 9/20/2023 10:00:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/27/2023 1:28:25 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 1:28:25 AM
Surr: DNOP	90.1	69-147		%Rec	1	9/27/2023 1:28:25 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/27/2023 7:01:45 PM
Surr: BFB	97.0	15-244		%Rec	1	9/27/2023 7:01:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 7:01:45 PM
Toluene	ND	0.047		mg/Kg	1	9/27/2023 7:01:45 PM
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2023 7:01:45 PM
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2023 7:01:45 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/27/2023 7:01:45 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	140	60		mg/Kg	20	9/28/2023 1:34:51 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-008 **Matrix:** SOIL

Client Sample ID: BH23-04 0.0'
Collection Date: 9/20/2023 10:10:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/27/2023 1:39:32 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/27/2023 1:39:32 AM
Surr: DNOP	93.1	69-147		%Rec	1	9/27/2023 1:39:32 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/27/2023 7:25:25 PM
Surr: BFB	95.9	15-244		%Rec	1	9/27/2023 7:25:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 7:25:25 PM
Toluene	ND	0.048		mg/Kg	1	9/27/2023 7:25:25 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2023 7:25:25 PM
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2023 7:25:25 PM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	9/27/2023 7:25:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	4500	150		mg/Kg	50	9/30/2023 11:22:06 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-009 **Matrix:** SOIL

Client Sample ID: BH23-04 2.0'
Collection Date: 9/20/2023 10:20:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/27/2023 1:50:39 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/27/2023 1:50:39 AM
Surr: DNOP	88.7	69-147		%Rec	1	9/27/2023 1:50:39 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/27/2023 7:48:43 PM
Surr: BFB	96.7	15-244		%Rec	1	9/27/2023 7:48:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	9/27/2023 7:48:43 PM
Toluene	ND	0.046		mg/Kg	1	9/27/2023 7:48:43 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/27/2023 7:48:43 PM
Xylenes, Total	ND	0.092		mg/Kg	1	9/27/2023 7:48:43 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/27/2023 7:48:43 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	730	60		mg/Kg	20	9/28/2023 2:24:28 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-010 **Matrix:** SOIL

Client Sample ID: BH23-05 0.0'
Collection Date: 9/20/2023 10:30:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/27/2023 2:12:38 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 2:12:38 AM
Surr: DNOP	91.9	69-147		%Rec	1	9/27/2023 2:12:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/27/2023 8:12:05 PM
Surr: BFB	97.8	15-244		%Rec	1	9/27/2023 8:12:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	9/27/2023 8:12:05 PM
Toluene	ND	0.049		mg/Kg	1	9/27/2023 8:12:05 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2023 8:12:05 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2023 8:12:05 PM
Surr: 4-Bromofluorobenzene	108	39.1-146		%Rec	1	9/27/2023 8:12:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	440	60		mg/Kg	20	9/28/2023 2:36:52 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-011 **Matrix:** SOIL

Client Sample ID: BH23-05 2.0'
Collection Date: 9/20/2023 10:40:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/27/2023 2:23:41 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 2:23:41 AM
Surr: DNOP	93.5	69-147		%Rec	1	9/27/2023 2:23:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/27/2023 8:35:38 PM
Surr: BFB	93.5	15-244		%Rec	1	9/27/2023 8:35:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	9/27/2023 8:35:38 PM
Toluene	ND	0.050		mg/Kg	1	9/27/2023 8:35:38 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/27/2023 8:35:38 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/27/2023 8:35:38 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	9/27/2023 8:35:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	190	60		mg/Kg	20	9/28/2023 2:49:17 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-012 **Matrix:** SOIL

Client Sample ID: BH23-06 0.0'
Collection Date: 9/20/2023 10:50:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/27/2023 2:34:45 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 2:34:45 AM
Surr: DNOP	89.5	69-147		%Rec	1	9/27/2023 2:34:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/27/2023 9:45:40 PM
Surr: BFB	97.7	15-244		%Rec	1	9/27/2023 9:45:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 9:45:40 PM
Toluene	ND	0.047		mg/Kg	1	9/27/2023 9:45:40 PM
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2023 9:45:40 PM
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2023 9:45:40 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/27/2023 9:45:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	410	60		mg/Kg	20	9/28/2023 3:01:42 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-013 **Matrix:** SOIL

Client Sample ID: BH23-06 2.0'
Collection Date: 9/20/2023 11:00:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/27/2023 2:45:47 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 2:45:47 AM
Surr: DNOP	89.1	69-147		%Rec	1	9/27/2023 2:45:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/27/2023 10:09:00 PM
Surr: BFB	96.0	15-244		%Rec	1	9/27/2023 10:09:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	9/27/2023 10:09:00 PM
Toluene	ND	0.050		mg/Kg	1	9/27/2023 10:09:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/27/2023 10:09:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/27/2023 10:09:00 PM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	9/27/2023 10:09:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	100	60		mg/Kg	20	9/28/2023 3:14:06 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-014 **Matrix:** SOIL

Client Sample ID: BH23-07 0.0'
Collection Date: 9/20/2023 11:10:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/27/2023 2:56:45 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 2:56:45 AM
Surr: DNOP	94.3	69-147		%Rec	1	9/27/2023 2:56:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/27/2023 10:32:24 PM
Surr: BFB	96.9	15-244		%Rec	1	9/27/2023 10:32:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/27/2023 10:32:24 PM
Toluene	ND	0.048		mg/Kg	1	9/27/2023 10:32:24 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2023 10:32:24 PM
Xylenes, Total	ND	0.096		mg/Kg	1	9/27/2023 10:32:24 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/27/2023 10:32:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	5400	300		mg/Kg	100	9/30/2023 11:34:27 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-015 **Matrix:** SOIL

Client Sample ID: BH23-07 2.0'
Collection Date: 9/20/2023 11:20:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/27/2023 3:07:42 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 3:07:42 AM
Surr: DNOP	93.9	69-147		%Rec	1	9/27/2023 3:07:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/27/2023 10:55:49 PM
Surr: BFB	96.6	15-244		%Rec	1	9/27/2023 10:55:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	9/27/2023 10:55:49 PM
Toluene	ND	0.047		mg/Kg	1	9/27/2023 10:55:49 PM
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2023 10:55:49 PM
Xylenes, Total	ND	0.094		mg/Kg	1	9/27/2023 10:55:49 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/27/2023 10:55:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	200	60		mg/Kg	20	9/28/2023 3:38:56 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-016 **Matrix:** SOIL

Client Sample ID: BH23-08 0.0'
Collection Date: 9/20/2023 11:30:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/27/2023 3:18:40 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 3:18:40 AM
Surr: DNOP	93.5	69-147		%Rec	1	9/27/2023 3:18:40 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/27/2023 11:19:14 PM
Surr: BFB	94.3	15-244		%Rec	1	9/27/2023 11:19:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	9/27/2023 11:19:14 PM
Toluene	ND	0.046		mg/Kg	1	9/27/2023 11:19:14 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/27/2023 11:19:14 PM
Xylenes, Total	ND	0.091		mg/Kg	1	9/27/2023 11:19:14 PM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	9/27/2023 11:19:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	9/28/2023 3:51:20 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-017 **Matrix:** SOIL

Client Sample ID: BH23-08 2.0'
Collection Date: 9/20/2023 11:40:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/27/2023 3:29:34 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/27/2023 3:29:34 AM
Surr: DNOP	89.4	69-147		%Rec	1	9/27/2023 3:29:34 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/27/2023 11:42:34 PM
Surr: BFB	98.8	15-244		%Rec	1	9/27/2023 11:42:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	9/27/2023 11:42:34 PM
Toluene	ND	0.050		mg/Kg	1	9/27/2023 11:42:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/27/2023 11:42:34 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/27/2023 11:42:34 PM
Surr: 4-Bromofluorobenzene	107	39.1-146		%Rec	1	9/27/2023 11:42:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	66	60		mg/Kg	20	9/28/2023 4:03:45 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-018 **Matrix:** SOIL

Client Sample ID: BH23-09 0.0'
Collection Date: 9/20/2023 11:50:00 AM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/27/2023 3:40:24 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 3:40:24 AM
Surr: DNOP	94.7	69-147		%Rec	1	9/27/2023 3:40:24 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2023 12:05:52 AM
Surr: BFB	96.5	15-244		%Rec	1	9/28/2023 12:05:52 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	9/28/2023 12:05:52 AM
Toluene	ND	0.049		mg/Kg	1	9/28/2023 12:05:52 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2023 12:05:52 AM
Xylenes, Total	ND	0.097		mg/Kg	1	9/28/2023 12:05:52 AM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	9/28/2023 12:05:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	7300	300		mg/Kg	100	9/30/2023 12:01:57 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-019 **Matrix:** SOIL

Client Sample ID: BH23-09 2.0'
Collection Date: 9/20/2023 12:00:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/27/2023 3:51:12 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 3:51:12 AM
Surr: DNOP	94.6	69-147		%Rec	1	9/27/2023 3:51:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/28/2023 12:29:13 AM
Surr: BFB	97.1	15-244		%Rec	1	9/28/2023 12:29:13 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	9/28/2023 12:29:13 AM
Toluene	ND	0.046		mg/Kg	1	9/28/2023 12:29:13 AM
Ethylbenzene	ND	0.046		mg/Kg	1	9/28/2023 12:29:13 AM
Xylenes, Total	ND	0.091		mg/Kg	1	9/28/2023 12:29:13 AM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/28/2023 12:29:13 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1900	60		mg/Kg	20	9/28/2023 4:53:24 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-020 **Matrix:** SOIL

Client Sample ID: BH23-09 4.0'
Collection Date: 9/20/2023 12:10:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/27/2023 4:02:01 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/27/2023 4:02:01 AM
Surr: DNOP	94.8	69-147		%Rec	1	9/27/2023 4:02:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/28/2023 12:52:38 AM
Surr: BFB	96.3	15-244		%Rec	1	9/28/2023 12:52:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	9/28/2023 12:52:38 AM
Toluene	ND	0.047		mg/Kg	1	9/28/2023 12:52:38 AM
Ethylbenzene	ND	0.047		mg/Kg	1	9/28/2023 12:52:38 AM
Xylenes, Total	ND	0.094		mg/Kg	1	9/28/2023 12:52:38 AM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	9/28/2023 12:52:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	110	60		mg/Kg	20	9/28/2023 5:30:37 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-021 **Matrix:** SOIL

Client Sample ID: BH23-10 0.0'
Collection Date: 9/20/2023 12:20:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/27/2023 4:12:48 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/27/2023 4:12:48 AM
Surr: DNOP	110	69-147		%Rec	1	9/27/2023 4:12:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2023 1:16:11 AM
Surr: BFB	97.0	15-244		%Rec	1	9/28/2023 1:16:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	9/28/2023 1:16:11 AM
Toluene	ND	0.049		mg/Kg	1	9/28/2023 1:16:11 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2023 1:16:11 AM
Xylenes, Total	ND	0.099		mg/Kg	1	9/28/2023 1:16:11 AM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	9/28/2023 1:16:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	280	60		mg/Kg	20	9/28/2023 6:07:50 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-022 **Matrix:** SOIL

Client Sample ID: BH23-10 2.0'
Collection Date: 9/20/2023 12:30:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2023 12:02:42 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2023 12:02:42 PM
Surr: DNOP	103	69-147		%Rec	1	9/28/2023 12:02:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/28/2023 10:55:00 AM
Surr: BFB	98.9	15-244		%Rec	1	9/28/2023 10:55:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	9/28/2023 10:55:00 AM
Toluene	ND	0.050		mg/Kg	1	9/28/2023 10:55:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/28/2023 10:55:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	9/28/2023 10:55:00 AM
Surr: 4-Bromofluorobenzene	88.8	39.1-146		%Rec	1	9/28/2023 10:55:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	69	60		mg/Kg	20	9/28/2023 6:45:03 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-023 **Matrix:** SOIL

Client Sample ID: BH23-11 0.0'
Collection Date: 9/20/2023 12:40:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/28/2023 12:36:06 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/28/2023 12:36:06 PM
Surr: DNOP	100	69-147		%Rec	1	9/28/2023 12:36:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2023 12:01:00 PM
Surr: BFB	102	15-244		%Rec	1	9/28/2023 12:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	9/28/2023 12:01:00 PM
Toluene	ND	0.048		mg/Kg	1	9/28/2023 12:01:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/28/2023 12:01:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/28/2023 12:01:00 PM
Surr: 4-Bromofluorobenzene	91.2	39.1-146		%Rec	1	9/28/2023 12:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	390	60		mg/Kg	20	9/28/2023 7:22:17 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-024 **Matrix:** SOIL

Client Sample ID: BH23-11 2.0'
Collection Date: 9/20/2023 12:50:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2023 12:46:55 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2023 12:46:55 PM
Surr: DNOP	100	69-147		%Rec	1	9/28/2023 12:46:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/28/2023 1:06:00 PM
Surr: BFB	100	15-244		%Rec	1	9/28/2023 1:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	9/28/2023 1:06:00 PM
Toluene	ND	0.046		mg/Kg	1	9/28/2023 1:06:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/28/2023 1:06:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	9/28/2023 1:06:00 PM
Surr: 4-Bromofluorobenzene	87.3	39.1-146		%Rec	1	9/28/2023 1:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	9/28/2023 7:34:41 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2309C50-025 **Matrix:** SOIL

Client Sample ID: BH23-12 0.0'
Collection Date: 9/20/2023 1:00:00 PM
Received Date: 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2023 1:08:33 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2023 1:08:33 PM
Surr: DNOP	96.6	69-147		%Rec	1	9/28/2023 1:08:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2023 1:27:00 PM
Surr: BFB	102	15-244		%Rec	1	9/28/2023 1:27:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	9/28/2023 1:27:00 PM
Toluene	ND	0.048		mg/Kg	1	9/28/2023 1:27:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/28/2023 1:27:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	9/28/2023 1:27:00 PM
Surr: 4-Bromofluorobenzene	87.8	39.1-146		%Rec	1	9/28/2023 1:27:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	400	60		mg/Kg	20	9/28/2023 7:47:06 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309C50**
Date Reported: **10/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH23-12 2.0'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/20/2023 1:10:00 PM
Lab ID: 2309C50-026 **Matrix:** SOIL **Received Date:** 9/22/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2023 1:19:32 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2023 1:19:32 PM
Surr: DNOP	107	69-147		%Rec	1	9/28/2023 1:19:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2023 1:49:00 PM
Surr: BFB	101	15-244		%Rec	1	9/28/2023 1:49:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	9/28/2023 1:49:00 PM
Toluene	ND	0.048		mg/Kg	1	9/28/2023 1:49:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/28/2023 1:49:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	9/28/2023 1:49:00 PM
Surr: 4-Bromofluorobenzene	88.6	39.1-146		%Rec	1	9/28/2023 1:49:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	450	60		mg/Kg	20	9/28/2023 7:59:30 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **MB-77816**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **77816**	RunNo: **100088**							
Prep Date: **9/28/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662812**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77816**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **77816**	RunNo: **100088**							
Prep Date: **9/28/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662813**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Sample ID: **MB-77839**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **77839**	RunNo: **100088**							
Prep Date: **9/28/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662848**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77839**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **77839**	RunNo: **100088**							
Prep Date: **9/28/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662849**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **2309C50-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-01 2.0'**	Batch ID: **77775**	RunNo: **100003**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3658158** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.7	48.54	0	99.7	54.2	135			
Surr: DNOP	4.8		4.854		98.3	69	147			

Sample ID: **2309C50-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-01 2.0'**	Batch ID: **77775**	RunNo: **100003**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3658159** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.6	47.85	0	104	54.2	135	2.49	29.2	
Surr: DNOP	4.8		4.785		99.4	69	147	0	0	

Sample ID: **LCS-77774**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77774**	RunNo: **100003**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3658235** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	61.9	130			
Surr: DNOP	4.8		5.000		96.7	69	147			

Sample ID: **LCS-77775**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77775**	RunNo: **100003**
Prep Date: **9/26/2023**	Analysis Date: **9/26/2023**	SeqNo: **3658237** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	99.0	61.9	130			
Surr: DNOP	4.6		5.000		91.0	69	147			

Sample ID: **MB-77774**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77774**	RunNo: **100003**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3658244** 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	8.5		10.00		84.7	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **MB-77775**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77775**	RunNo: **100003**
Prep Date: **9/26/2023**	Analysis Date: **9/26/2023**	SeqNo: **3658246** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.9	69	147			

Sample ID: **2309C50-022AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-10 2.0'**	Batch ID: **77798**	RunNo: **100081**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662137** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.9	49.41	0	102	54.2	135			
Surr: DNOP	5.2		4.941		105	69	147			

Sample ID: **2309C50-022AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-10 2.0'**	Batch ID: **77798**	RunNo: **100081**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662139** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.8	49.12	0	99.5	54.2	135	2.94	29.2	
Surr: DNOP	5.0		4.912		103	69	147	0	0	

Sample ID: **LCS-77798**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77798**	RunNo: **100081**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662172** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	61.9	130			
Surr: DNOP	4.9		5.000		98.8	69	147			

Sample ID: **MB-77798**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77798**	RunNo: **100081**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3662173** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-77768**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3659861** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.3	70	130			
Surr: BFB	2100		1000		206	15	244			

Sample ID: **mb-77768**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3659862** 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	950		1000		95.3	15	244			

Sample ID: **2309c50-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-01 2.0'**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660671** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.30	0	91.4	70	130			
Surr: BFB	2000		971.8		208	15	244			

Sample ID: **2309c50-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-01 2.0'**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660672** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.49	0	86.4	70	130	4.80	20	
Surr: BFB	2000		979.4		202	15	244	0	0	

Sample ID: **lcs-77759**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77759**	RunNo: **100002**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660788** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.6	70	130			
Surr: BFB	2300		1000		227	15	244			

Sample ID: **mb-77759**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77759**	RunNo: **100002**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660790** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **mb-77759**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77759**	RunNo: **100002**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660790** 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	1000		1000		101	15	244			

Sample ID: **lcs-77788**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661991** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.1	70	130			
Surr: BFB	2200		1000		224	15	244			

Sample ID: **mb-77788**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661992** 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	1000		1000		104	15	244			

Sample ID: **2309c50-022ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-10 2.0'**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661994** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.90	0	86.4	70	130			
Surr: BFB	2200		996.0		222	15	244			

Sample ID: **2309c50-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-10 2.0'**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661995** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.80	0	87.9	70	130	1.30	20	
Surr: BFB	2200		992.1		226	15	244	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **LCS-77768**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3659876** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.2	70	130			
Toluene	0.92	0.050	1.000	0	92.5	70	130			
Ethylbenzene	0.93	0.050	1.000	0	93.5	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.6	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146			

Sample ID: **mb-77768**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3659877** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	39.1	146			

Sample ID: **2309c50-003ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-02 0.0'**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660823** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9662	0	99.2	70	130			
Toluene	0.97	0.048	0.9662	0	101	70	130			
Ethylbenzene	0.98	0.048	0.9662	0	102	70	130			
Xylenes, Total	3.0	0.097	2.899	0	102	70	130			
Surr: 4-Bromofluorobenzene	1.0		0.9662		107	39.1	146			

Sample ID: **2309c50-003amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-02 0.0'**	Batch ID: **77768**	RunNo: **100030**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660825** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.024	0.9709	0	101	70	130	2.28	20	
Toluene	1.0	0.049	0.9709	0	103	70	130	2.28	20	
Ethylbenzene	1.0	0.049	0.9709	0	104	70	130	2.50	20	
Xylenes, Total	3.0	0.097	2.913	0	104	70	130	2.05	20	
Surr: 4-Bromofluorobenzene	1.0		0.9709		106	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-77759**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77759**	RunNo: **100002**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660850** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.7	70	130			
Toluene	0.88	0.050	1.000	0	88.1	70	130			
Ethylbenzene	0.91	0.050	1.000	0	91.0	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.4	70	130			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.9	39.1	146			

Sample ID: **mb-77759**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77759**	RunNo: **100002**
Prep Date: **9/26/2023**	Analysis Date: **9/27/2023**	SeqNo: **3660851** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	39.1	146			

Sample ID: **lcs-77788**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661953** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.025	1.000	0	76.8	70	130			
Toluene	0.79	0.050	1.000	0	78.5	70	130			
Ethylbenzene	0.81	0.050	1.000	0	80.7	70	130			
Xylenes, Total	2.4	0.10	3.000	0	80.8	70	130			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.3	39.1	146			

Sample ID: **mb-77788**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661954** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309C50**

06-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **2309c50-023ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-11 0.0'**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661957** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9718	0	89.1	70	130			
Toluene	0.89	0.049	0.9718	0	91.2	70	130			
Ethylbenzene	0.91	0.049	0.9718	0	94.0	70	130			
Xylenes, Total	2.7	0.097	2.915	0	94.3	70	130			
Surr: 4-Bromofluorobenzene	0.90		0.9718		92.5	39.1	146			

Sample ID: **2309c50-023amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-11 0.0'**	Batch ID: **77788**	RunNo: **100076**
Prep Date: **9/27/2023**	Analysis Date: **9/28/2023**	SeqNo: **3661958** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9653	0	89.8	70	130	0.158	20	
Toluene	0.89	0.048	0.9653	0	91.9	70	130	0.177	20	
Ethylbenzene	0.92	0.048	0.9653	0	95.1	70	130	0.475	20	
Xylenes, Total	2.8	0.097	2.896	0	95.3	70	130	0.351	20	
Surr: 4-Bromofluorobenzene	0.85		0.9653		88.2	39.1	146	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2309C50 | RcptNo: 1

Received By: Juan Rojas 9/22/2023 7:35:00 AM

Completed By: Cheyenne Cason 9/22/2023 8:37:48 AM

Reviewed By: JR 9/22/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°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: SCM 9/22/23

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	3.3	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: Devon

Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☑ Rush 5 Day

Project Name: Strawberry 7 Fed ~~23E-04452~~ Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings

Sampler: AH/ZE

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Dry

Cooler Temp(Including CF): 3.0=3.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309C50	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7-20-23	0900	Soil	BH23-01 0.0'	4 oz	ICE	001										
	0910		BH23-01 2.0'			002										
	0920		BH23-02 0.0'			003										
	0930		BH23-02 2.0'			004										
	0940		BH23-03 0.0'			005										
	0950		BH23-03 2.0'			006										
	1000		BH23-03 4.0'			007										
	1010		BH23-04 0.0'			008										
	1020		BH23-04 2.0'			009										
	1030		BH23-05 0.0'			010										
	1040		BH23-05 2.0'			011										
	1050		BH23-06 0.0'			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					9/21/23	900
Date: 9/21/23	Time: 900	Relinquished by:	Received by:	Via: Courier	Date 9/22/23	Time 7:35

Remarks: CC: Kstallings@vertex.ca
aharris@vertex.ca

Chain-of-Custody Record

Client: Devon
Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

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

Turn-Around Time:
☐ Standard ☑ Rush 5 Day

Project Name: Strawberry #7 Fed Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings

Sampler: AH / ZE
On Ice: ☑ Yes ☐ No
# of Coolers: 1 Yogi
Cooler Temp(including CF): 3.3-0=3.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309C50	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
9-20-23	1100	Soil	BH23-06 2.0'	4 oz	ICE	013	↓	↓					↓									
↓	1110	↓	BH23-07 0.0'	↓	↓	014																
	1120		BH23-07 2.0'			015																
	1130		BH23-08 0.0'			016																
	1140		BH23-08 2.0'			017																
	1150		BH23-09 0.0'			018																
	1200		BH23-09 2.0'			019																
	1210		BH23-09 4.0'			020																
	1220		BH23-10 0.0'			021																
	1230		BH23-10 2.0'			022																
	1240		BH23-11 0.0'			023																
	1250		BH23-11 2.0'			~~03~~ 024																

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			[signature]		9/21/23	900
9/21/23	1900	[signature]	[signature]	100/4 9/22	9/22/23	7:35

Remarks: cc: kstallings@vertex.ca
aharris@vertex.ca

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.

~~~ 9/22/23
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Chain-of-Custody Record

Client: Devon

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 Day

Project Name: Strawberry 7 Fed Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings

Sampler: NT/ZE

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Yog;

Cooler Temp(Including CF): 3.3-0=3.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309C50	BTEX / MTBE / TMB's (8021)	TPH 8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9-20-23	1300	Soil	BH23-12 0.0'	402	ICE	025	✓	✓					✓			
✓	1310	✓	BH23-12 2.0'	✓	✓	026										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					9/21/23	900
9/21/23	1900			Courier	9/22/23	7:35

Remarks: CC: kstallings@vertex.ca
aharris@vertex.ca

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

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

October 11, 2023

Kent Stallings

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

RE: Strawberry 7 Fed Com 9H OrderNo.: 2309E40

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 23 sample(s) on 9/27/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-13 0'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 8:00:00 AM
Lab ID: 2309E40-001 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/29/2023 5:08:23 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/29/2023 5:08:23 PM
Surr: DNOP	120	69-147		%Rec	1	9/29/2023 5:08:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/2/2023 10:03:00 PM
Surr: BFB	99.5	15-244		%Rec	1	10/2/2023 10:03:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 10:03:00 PM
Toluene	ND	0.048		mg/Kg	1	10/2/2023 10:03:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/2/2023 10:03:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	10/2/2023 10:03:00 PM
Surr: 4-Bromofluorobenzene	87.7	39.1-146		%Rec	1	10/2/2023 10:03:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	710	60		mg/Kg	20	10/3/2023 4:12:42 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-13 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 8:10:00 AM
Lab ID: 2309E40-002 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/29/2023 5:19:07 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/29/2023 5:19:07 PM
Surr: DNOP	124	69-147		%Rec	1	9/29/2023 5:19:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/2/2023 10:25:00 PM
Surr: BFB	98.8	15-244		%Rec	1	10/2/2023 10:25:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	10/2/2023 10:25:00 PM
Toluene	ND	0.047		mg/Kg	1	10/2/2023 10:25:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/2/2023 10:25:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	10/2/2023 10:25:00 PM
Surr: 4-Bromofluorobenzene	88.2	39.1-146		%Rec	1	10/2/2023 10:25:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	71	60		mg/Kg	20	10/3/2023 2:13:18 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-14 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 8:20:00 AM
Lab ID: 2309E40-003 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/29/2023 5:29:51 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/29/2023 5:29:51 PM
Surr: DNOP	118	69-147		%Rec	1	9/29/2023 5:29:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/2/2023 10:47:00 PM
Surr: BFB	103	15-244		%Rec	1	10/2/2023 10:47:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	10/2/2023 10:47:00 PM
Toluene	ND	0.050		mg/Kg	1	10/2/2023 10:47:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/2/2023 10:47:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	10/2/2023 10:47:00 PM
Surr: 4-Bromofluorobenzene	89.6	39.1-146		%Rec	1	10/2/2023 10:47:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	130	60		mg/Kg	20	10/3/2023 2:25:39 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-14 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 8:30:00 AM
Lab ID: 2309E40-004 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/29/2023 5:40:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/29/2023 5:40:36 PM
Surr: DNOP	113	69-147		%Rec	1	9/29/2023 5:40:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/2/2023 11:09:00 PM
Surr: BFB	106	15-244		%Rec	1	10/2/2023 11:09:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 11:09:00 PM
Toluene	ND	0.049		mg/Kg	1	10/2/2023 11:09:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/2/2023 11:09:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/2/2023 11:09:00 PM
Surr: 4-Bromofluorobenzene	91.4	39.1-146		%Rec	1	10/2/2023 11:09:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	130	60		mg/Kg	20	10/3/2023 2:38:00 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-14 4'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 11:50:00 AM
Lab ID: 2309E40-005 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/29/2023 5:51:30 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/29/2023 5:51:30 PM
Surr: DNOP	102	69-147		%Rec	1	9/29/2023 5:51:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/2/2023 11:31:00 PM
Surr: BFB	102	15-244		%Rec	1	10/2/2023 11:31:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	10/2/2023 11:31:00 PM
Toluene	ND	0.049		mg/Kg	1	10/2/2023 11:31:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/2/2023 11:31:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/2/2023 11:31:00 PM
Surr: 4-Bromofluorobenzene	93.5	39.1-146		%Rec	1	10/2/2023 11:31:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	390	60		mg/Kg	20	10/3/2023 2:50:20 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-15 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 8:40:00 AM
Lab ID: 2309E40-006 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/3/2023 12:18:10 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/3/2023 12:18:10 PM
Surr: DNOP	99.1	69-147		%Rec	1	10/3/2023 12:18:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/2/2023 11:52:00 PM
Surr: BFB	102	15-244		%Rec	1	10/2/2023 11:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	10/2/2023 11:52:00 PM
Toluene	ND	0.050		mg/Kg	1	10/2/2023 11:52:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/2/2023 11:52:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	10/2/2023 11:52:00 PM
Surr: 4-Bromofluorobenzene	90.6	39.1-146		%Rec	1	10/2/2023 11:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2700	150		mg/Kg	50	10/4/2023 8:59:09 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-15 2'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 8:50:00 AM
Lab ID: 2309E40-007 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/29/2023 6:13:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/29/2023 6:13:35 PM
Surr: DNOP	136	69-147		%Rec	1	9/29/2023 6:13:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/3/2023 12:14:00 AM
Surr: BFB	97.9	15-244		%Rec	1	10/3/2023 12:14:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	10/3/2023 12:14:00 AM
Toluene	ND	0.046		mg/Kg	1	10/3/2023 12:14:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	10/3/2023 12:14:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	10/3/2023 12:14:00 AM
Surr: 4-Bromofluorobenzene	90.2	39.1-146		%Rec	1	10/3/2023 12:14:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	310	60		mg/Kg	20	10/3/2023 3:15:01 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-16 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 9:00:00 AM
Lab ID: 2309E40-008 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/29/2023 6:24:47 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/29/2023 6:24:47 PM
Surr: DNOP	82.8	69-147		%Rec	1	9/29/2023 6:24:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/3/2023 12:36:00 AM
Surr: BFB	102	15-244		%Rec	1	10/3/2023 12:36:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/3/2023 12:36:00 AM
Toluene	ND	0.047		mg/Kg	1	10/3/2023 12:36:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/3/2023 12:36:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/3/2023 12:36:00 AM
Surr: 4-Bromofluorobenzene	89.1	39.1-146		%Rec	1	10/3/2023 12:36:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	380	60		mg/Kg	20	10/3/2023 3:52:03 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-16 2'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 9:10:00 AM
Lab ID: 2309E40-009 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/29/2023 6:35:58 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/29/2023 6:35:58 PM
Surr: DNOP	128	69-147		%Rec	1	9/29/2023 6:35:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/3/2023 12:57:00 AM
Surr: BFB	99.5	15-244		%Rec	1	10/3/2023 12:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	10/3/2023 12:57:00 AM
Toluene	ND	0.049		mg/Kg	1	10/3/2023 12:57:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/3/2023 12:57:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	10/3/2023 12:57:00 AM
Surr: 4-Bromofluorobenzene	88.1	39.1-146		%Rec	1	10/3/2023 12:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	10/3/2023 4:04:24 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-17 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 9:20:00 AM
Lab ID: 2309E40-010 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/29/2023 6:47:09 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/29/2023 6:47:09 PM
Surr: DNOP	139	69-147		%Rec	1	9/29/2023 6:47:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/3/2023 1:19:00 AM
Surr: BFB	98.5	15-244		%Rec	1	10/3/2023 1:19:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/3/2023 1:19:00 AM
Toluene	ND	0.047		mg/Kg	1	10/3/2023 1:19:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/3/2023 1:19:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	10/3/2023 1:19:00 AM
Surr: 4-Bromofluorobenzene	88.6	39.1-146		%Rec	1	10/3/2023 1:19:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	10/3/2023 4:16:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-17 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 9:30:00 AM
Lab ID: 2309E40-011 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/2/2023 9:16:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 9:16:36 PM
Surr: DNOP	95.2	69-147		%Rec	1	10/2/2023 9:16:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/30/2023 1:46:00 AM
Surr: BFB	98.5	15-244		%Rec	1	9/30/2023 1:46:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	9/30/2023 1:46:00 AM
Toluene	ND	0.047		mg/Kg	1	9/30/2023 1:46:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	9/30/2023 1:46:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	9/30/2023 1:46:00 AM
Surr: 4-Bromofluorobenzene	87.9	39.1-146		%Rec	1	9/30/2023 1:46:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	10/3/2023 4:29:04 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-18 0'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 9:40:00 AM
Lab ID: 2309E40-012 **Matrix:** SOIL
Received Date: 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/2/2023 9:50:10 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 9:50:10 PM
Surr: DNOP	93.2	69-147		%Rec	1	10/2/2023 9:50:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/30/2023 2:51:00 AM
Surr: BFB	98.6	15-244		%Rec	1	9/30/2023 2:51:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	9/30/2023 2:51:00 AM
Toluene	ND	0.048		mg/Kg	1	9/30/2023 2:51:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	9/30/2023 2:51:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	9/30/2023 2:51:00 AM
Surr: 4-Bromofluorobenzene	86.0	39.1-146		%Rec	1	9/30/2023 2:51:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	730	60		mg/Kg	20	10/3/2023 4:41:26 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-18 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 9:50:00 AM
Lab ID: 2309E40-013 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/2/2023 10:12:17 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 10:12:17 PM
Surr: DNOP	95.2	69-147		%Rec	1	10/2/2023 10:12:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/30/2023 3:57:00 AM
Surr: BFB	98.7	15-244		%Rec	1	9/30/2023 3:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	9/30/2023 3:57:00 AM
Toluene	ND	0.046		mg/Kg	1	9/30/2023 3:57:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	9/30/2023 3:57:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	9/30/2023 3:57:00 AM
Surr: 4-Bromofluorobenzene	88.1	39.1-146		%Rec	1	9/30/2023 3:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	390	60		mg/Kg	20	10/3/2023 4:53:46 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-20 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 10:20:00 AM
Lab ID: 2309E40-014 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/2/2023 10:23:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 10:23:27 PM
Surr: DNOP	108	69-147		%Rec	1	10/2/2023 10:23:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/30/2023 4:18:00 AM
Surr: BFB	99.8	15-244		%Rec	1	9/30/2023 4:18:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	9/30/2023 4:18:00 AM
Toluene	ND	0.046		mg/Kg	1	9/30/2023 4:18:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	9/30/2023 4:18:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	9/30/2023 4:18:00 AM
Surr: 4-Bromofluorobenzene	88.9	39.1-146		%Rec	1	9/30/2023 4:18:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	5300	300		mg/Kg	100	10/4/2023 9:11:30 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-20 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 10:30:00 AM
Lab ID: 2309E40-015 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/2/2023 10:34:37 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/2/2023 10:34:37 PM
Surr: DNOP	112	69-147		%Rec	1	10/2/2023 10:34:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/2/2023 11:34:00 AM
Surr: BFB	102	15-244		%Rec	1	10/2/2023 11:34:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	10/2/2023 11:34:00 AM
Toluene	ND	0.046		mg/Kg	1	10/2/2023 11:34:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	10/2/2023 11:34:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	10/2/2023 11:34:00 AM
Surr: 4-Bromofluorobenzene	90.1	39.1-146		%Rec	1	10/2/2023 11:34:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	610	60		mg/Kg	20	10/3/2023 6:44:54 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-21 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 10:40:00 AM
Lab ID: 2309E40-016 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/2/2023 10:45:44 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/2/2023 10:45:44 PM
Surr: DNOP	91.6	69-147		%Rec	1	10/2/2023 10:45:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/2/2023 11:56:00 AM
Surr: BFB	104	15-244		%Rec	1	10/2/2023 11:56:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 11:56:00 AM
Toluene	ND	0.048		mg/Kg	1	10/2/2023 11:56:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/2/2023 11:56:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	10/2/2023 11:56:00 AM
Surr: 4-Bromofluorobenzene	91.5	39.1-146		%Rec	1	10/2/2023 11:56:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	760	60		mg/Kg	20	10/3/2023 7:21:57 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-22 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 10:50:00 AM
Lab ID: 2309E40-017 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/2/2023 10:56:53 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 10:56:53 PM
Surr: DNOP	85.6	69-147		%Rec	1	10/2/2023 10:56:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/2/2023 12:17:00 PM
Surr: BFB	106	15-244		%Rec	1	10/2/2023 12:17:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	10/2/2023 12:17:00 PM
Toluene	ND	0.046		mg/Kg	1	10/2/2023 12:17:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	10/2/2023 12:17:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	10/2/2023 12:17:00 PM
Surr: 4-Bromofluorobenzene	91.5	39.1-146		%Rec	1	10/2/2023 12:17:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1100	60		mg/Kg	20	10/3/2023 7:34:17 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-23 0-0.5'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 11:00:00 AM
Lab ID: 2309E40-018 **Matrix:** SOIL
Received Date: 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/2/2023 11:07:59 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/2/2023 11:07:59 PM
Surr: DNOP	91.2	69-147		%Rec	1	10/2/2023 11:07:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/2/2023 12:39:00 PM
Surr: BFB	101	15-244		%Rec	1	10/2/2023 12:39:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	10/2/2023 12:39:00 PM
Toluene	ND	0.046		mg/Kg	1	10/2/2023 12:39:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	10/2/2023 12:39:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	10/2/2023 12:39:00 PM
Surr: 4-Bromofluorobenzene	89.6	39.1-146		%Rec	1	10/2/2023 12:39:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	6400	300		mg/Kg	100	10/4/2023 9:23:50 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-24 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 11:10:00 AM
Lab ID: 2309E40-019 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/2/2023 11:19:04 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 11:19:04 PM
Surr: DNOP	102	69-147		%Rec	1	10/2/2023 11:19:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/2/2023 1:01:00 PM
Surr: BFB	98.1	15-244		%Rec	1	10/2/2023 1:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 1:01:00 PM
Toluene	ND	0.049		mg/Kg	1	10/2/2023 1:01:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/2/2023 1:01:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/2/2023 1:01:00 PM
Surr: 4-Bromofluorobenzene	88.8	39.1-146		%Rec	1	10/2/2023 1:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	950	60		mg/Kg	20	10/3/2023 7:58:59 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-24 1.5'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 11:20:00 AM
Lab ID: 2309E40-020 **Matrix:** SOIL
Received Date: 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/2/2023 11:30:06 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 11:30:06 PM
Surr: DNOP	106	69-147		%Rec	1	10/2/2023 11:30:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/2/2023 1:22:00 PM
Surr: BFB	101	15-244		%Rec	1	10/2/2023 1:22:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 1:22:00 PM
Toluene	ND	0.048		mg/Kg	1	10/2/2023 1:22:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/2/2023 1:22:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	10/2/2023 1:22:00 PM
Surr: 4-Bromofluorobenzene	86.9	39.1-146		%Rec	1	10/2/2023 1:22:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	570	60		mg/Kg	20	10/3/2023 8:11:20 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-25 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 11:30:00 AM
Lab ID: 2309E40-021 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	290	9.8		mg/Kg	1	10/2/2023 11:41:09 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2023 11:41:09 PM
Surr: DNOP	108	69-147		%Rec	1	10/2/2023 11:41:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/2/2023 1:44:00 PM
Surr: BFB	97.0	15-244		%Rec	1	10/2/2023 1:44:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 1:44:00 PM
Toluene	ND	0.048		mg/Kg	1	10/2/2023 1:44:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/2/2023 1:44:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/2/2023 1:44:00 PM
Surr: 4-Bromofluorobenzene	87.0	39.1-146		%Rec	1	10/2/2023 1:44:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2300	150		mg/Kg	50	10/4/2023 9:36:11 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-25 1.5'
Project: Strawberry 7 Fed Com 9H
Collection Date: 9/22/2023 11:40:00 AM
Lab ID: 2309E40-022 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/2/2023 11:52:09 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/2/2023 11:52:09 PM
Surr: DNOP	102	69-147		%Rec	1	10/2/2023 11:52:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/2/2023 2:06:00 PM
Surr: BFB	99.0	15-244		%Rec	1	10/2/2023 2:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/2/2023 2:06:00 PM
Toluene	ND	0.048		mg/Kg	1	10/2/2023 2:06:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/2/2023 2:06:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	10/2/2023 2:06:00 PM
Surr: 4-Bromofluorobenzene	89.1	39.1-146		%Rec	1	10/2/2023 2:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	870	60		mg/Kg	20	10/3/2023 9:00:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309E40**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-16 4'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 9/22/2023 12:00:00 PM
Lab ID: 2309E40-023 **Matrix:** SOIL **Received Date:** 9/27/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/3/2023 12:03:07 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/3/2023 12:03:07 AM
Surr: DNOP	105	69-147		%Rec	1	10/3/2023 12:03:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/2/2023 2:27:00 PM
Surr: BFB	99.0	15-244		%Rec	1	10/2/2023 2:27:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	10/2/2023 2:27:00 PM
Toluene	ND	0.049		mg/Kg	1	10/2/2023 2:27:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/2/2023 2:27:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/2/2023 2:27:00 PM
Surr: 4-Bromofluorobenzene	88.6	39.1-146		%Rec	1	10/2/2023 2:27:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	10/3/2023 9:13:04 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **MB-77892**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **77892**	RunNo: **100164**								
Prep Date: **10/2/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665909**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77892**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **77892**	RunNo: **100164**								
Prep Date: **10/2/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665910**	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			

Sample ID: **MB-77909**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **77909**	RunNo: **100173**								
Prep Date: **10/3/2023**	Analysis Date: **10/3/2023**	SeqNo: **3668066**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77909**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **77909**	RunNo: **100173**								
Prep Date: **10/3/2023**	Analysis Date: **10/3/2023**	SeqNo: **3668067**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: **MB-77920**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **77920**	RunNo: **100173**								
Prep Date: **10/3/2023**	Analysis Date: **10/3/2023**	SeqNo: **3668097**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77920**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **77920**	RunNo: **100173**								
Prep Date: **10/3/2023**	Analysis Date: **10/3/2023**	SeqNo: **3668098**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **LCS-77826**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77826**	RunNo: **100101**
Prep Date: **9/28/2023**	Analysis Date: **9/29/2023**	SeqNo: **3663248** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	10	50.00	0	117	61.9	130			
Surr: DNOP	5.8		5.000		116	69	147			

Sample ID: **MB-77826**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77826**	RunNo: **100101**
Prep Date: **9/28/2023**	Analysis Date: **9/29/2023**	SeqNo: **3663250** 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	13		10.00		127	69	147			

Sample ID: **2309E40-011AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-17 2'**	Batch ID: **77850**	RunNo: **100132**
Prep Date: **9/29/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665710** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.6	47.94	0	112	54.2	135			
Surr: DNOP	4.9		4.794		101	69	147			

Sample ID: **2309E40-011AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-17 2'**	Batch ID: **77850**	RunNo: **100132**
Prep Date: **9/29/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665711** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.6	47.80	0	107	54.2	135	4.72	29.2	
Surr: DNOP	4.7		4.780		98.5	69	147	0	0	

Sample ID: **LCS-77850**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77850**	RunNo: **100132**
Prep Date: **9/29/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665776** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	61.9	130			
Surr: DNOP	5.0		5.000		99.6	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **MB-77850**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77850**	RunNo: **100132**
Prep Date: **9/29/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665779** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.1	69	147			

Sample ID: **LCS-77903**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77903**	RunNo: **100166**
Prep Date: **10/3/2023**	Analysis Date: **10/3/2023**	SeqNo: **3665964** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.1	61.9	130			
Surr: DNOP	4.7		5.000		93.7	69	147			

Sample ID: **MB-77903**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77903**	RunNo: **100166**
Prep Date: **10/3/2023**	Analysis Date: **10/3/2023**	SeqNo: **3665965** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.4	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-77830**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **77830**	RunNo: **100117**							
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663884**	Units: **mg/Kg**						
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	70	130			
Surr: BFB	2200		1000		219	15	244			

Sample ID: **mb-77830**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **77830**	RunNo: **100117**							
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663885**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	15	244			

Sample ID: **2309E40-011ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH23-17 2'**	Batch ID: **77830**	RunNo: **100117**							
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663887**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.67	0	100	70	130			
Surr: BFB	2100		947.0		227	15	244			

Sample ID: **2309E40-011amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH23-17 2'**	Batch ID: **77830**	RunNo: **100117**							
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663888**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.72	0	113	70	130	12.5	20	
Surr: BFB	2200		948.8		229	15	244	0	0	

Sample ID: **lcs-77804**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **77804**	RunNo: **100146**							
Prep Date: **9/27/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665089**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.4	70	130			
Surr: BFB	2100		1000		212	15	244			

Sample ID: **mb-77804**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **77804**	RunNo: **100146**							
Prep Date: **9/27/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665090**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **mb-77804**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77804**	RunNo: **100146**
Prep Date: **9/27/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665090** 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	1100		1000		106	15	244			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-77830**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77830**	RunNo: **100117**
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663839** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.4	70	130			
Toluene	0.86	0.050	1.000	0	86.4	70	130			
Ethylbenzene	0.88	0.050	1.000	0	88.4	70	130			
Xylenes, Total	2.6	0.10	3.000	0	88.3	70	130			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.8	39.1	146			

Sample ID: **mb-77830**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77830**	RunNo: **100117**
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663840** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.1	39.1	146			

Sample ID: **2309E40-012ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-18 0'**	Batch ID: **77830**	RunNo: **100117**
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663843** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.024	0.9615	0	83.7	70	130			
Toluene	0.83	0.048	0.9615	0	86.4	70	130			
Ethylbenzene	0.86	0.048	0.9615	0	89.1	70	130			
Xylenes, Total	2.6	0.096	2.885	0	89.5	70	130			
Surr: 4-Bromofluorobenzene	0.85		0.9615		88.7	39.1	146			

Sample ID: **2309E40-012amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-18 0'**	Batch ID: **77830**	RunNo: **100117**
Prep Date: **9/28/2023**	Analysis Date: **9/30/2023**	SeqNo: **3663844** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9662	0	86.5	70	130	3.81	20	
Toluene	0.86	0.048	0.9662	0	88.8	70	130	3.16	20	
Ethylbenzene	0.89	0.048	0.9662	0	92.3	70	130	3.98	20	
Xylenes, Total	2.7	0.097	2.899	0	92.2	70	130	3.49	20	
Surr: 4-Bromofluorobenzene	0.86		0.9662		89.5	39.1	146	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E40**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-77804**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77804**	RunNo: **100146**
Prep Date: **9/27/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665053** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.7	70	130			
Toluene	0.87	0.050	1.000	0	86.6	70	130			
Ethylbenzene	0.89	0.050	1.000	0	88.9	70	130			
Xylenes, Total	2.7	0.10	3.000	0	88.7	70	130			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.6	39.1	146			

Sample ID: **mb-77804**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77804**	RunNo: **100146**
Prep Date: **9/27/2023**	Analysis Date: **10/2/2023**	SeqNo: **3665054** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.7	39.1	146			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2309E40

RcptNo: 1

Received By: Juan Rojas 9/27/2023 7:45:00 AM

Completed By: Cheyenne Cason 9/27/2023 9:17:00 AM

Reviewed By: 9-27-23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°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: 9/27/23

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	4.3	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: Vertex (Devon)

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
● Standard ☑ Rush 5 Day

Project Name: Strawberry 7 Fed Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings

Sampler: Austin Harris

On Ice: ☐ Yes ☐ No

# of Coolers: 1 409

Cooler Temp(including CF): 4.3-0=4.3(°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309E40	BTEX / MTBE / TMB's (8021)	TPH:8015D GRO / DRO / MRO	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9.22.23	8:00	Soil	BH23-13 0'	4oz One Jar	Ice	001										
	8:10		BH23-13 2'			002										
	8:20		BH23-14 0'			003										
	8:30		BH23-14 2'			004										
	11:50		BH23-14 4'			005										
	8:40		BH23-15 0'			006 (006 changed to 123)										
	8:50		BH23-15 2'			007										
	9:00		BH23-16 0'			008										
	9:10		BH23-16 2'			009										
	9:20		BH23-17 0'			010										
	9:30		BH23-17 2'			011										
	9:40		BH23-18 0'			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			Courier		9/26/23	830
Date: 9/26/23	Time: 910	Relinquished by: Courier	Received by: Courier	Via:	Date 9/27/23	Time 7:45

Remarks: CC to aharris@vertex.ca, KStallings@vertex.ca

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

Chain-of-Custody Record

Client: Vertex (Devon)

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
■ Standard ☑ Rush 5 Day

Project Name: Strawberry 7 Fed Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings

Sampler: Austin Harris

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Yoqi

Cooler Temp(including CF): 4.3-0=4.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309E40	BTEX / MTBE / TMB's (8021)	TPH:8015D GRO / DRO / MRO	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9.22.23	9:50	Soil	BH23-18 2'	One jar	Ice	013										
	10:20		BH23-20 0'			014										
	10:30		BH23-20 2'			015										
	10:40		BH23-21 0'			016										
	10:50		BH23-22 2'			017										
	11:00		BH23-23 0-0.5'			018										
	11:10		BH23-24 0'			019										
	11:20		BH23-24 1.5'			020										
	11:30		BH23-25 0'			021										
	11:40		BH23-25 1.5'			~~023~~ 022										
	12:00		BH23-16 4'			~~024~~ 023										

Date: Time: Relinquished by:

Received by: Via: Date Time
9/26/23 830

Date: 9/26/23 Time: 1900 Relinquished by:

Received by: Via: Courier Date 9/27/23 Time 7:45

Remarks: cc to aharris@vertex.ca, kstallings@vertex.ca

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 18, 2023

Kent Stallings

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

RE: Strawberry 7 Fed Com 9 H OrderNo.: 2310438

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 14 sample(s) on 10/10/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9 H
Lab ID: 2310438-001 **Matrix:** SOIL

Client Sample ID: BH23-26 0'
Collection Date: 10/5/2023 12:10:00 PM
Received Date: 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	10/13/2023 8:27:02 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/13/2023 8:27:02 AM
Surr: DNOP	76.4	69-147		%Rec	1	10/13/2023 8:27:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/12/2023 10:55:49 PM
Surr: BFB	94.3	15-244		%Rec	1	10/12/2023 10:55:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/12/2023 10:55:49 PM
Toluene	ND	0.048		mg/Kg	1	10/12/2023 10:55:49 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/12/2023 10:55:49 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2023 10:55:49 PM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/12/2023 10:55:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	170	60		mg/Kg	20	10/16/2023 2:40:37 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9 H
Lab ID: 2310438-002 **Matrix:** SOIL

Client Sample ID: BH23-26 2'
Collection Date: 10/5/2023 1:53:00 PM
Received Date: 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/13/2023 8:37:24 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2023 8:37:24 AM
Surr: DNOP	102	69-147		%Rec	1	10/13/2023 8:37:24 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/13/2023 12:06:35 AM
Surr: BFB	95.9	15-244		%Rec	1	10/13/2023 12:06:35 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/13/2023 12:06:35 AM
Toluene	ND	0.049		mg/Kg	1	10/13/2023 12:06:35 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/13/2023 12:06:35 AM
Xylenes, Total	ND	0.099		mg/Kg	1	10/13/2023 12:06:35 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/13/2023 12:06:35 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	140	60		mg/Kg	20	10/16/2023 2:53:02 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9 H
Lab ID: 2310438-003 **Matrix:** SOIL

Client Sample ID: BH23-27 0'
Collection Date: 10/5/2023 12:06:00 PM
Received Date: 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/13/2023 8:47:48 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2023 8:47:48 AM
Surr: DNOP	97.2	69-147		%Rec	1	10/13/2023 8:47:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/13/2023 1:17:14 AM
Surr: BFB	95.4	15-244		%Rec	1	10/13/2023 1:17:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/13/2023 1:17:14 AM
Toluene	ND	0.048		mg/Kg	1	10/13/2023 1:17:14 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/13/2023 1:17:14 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/13/2023 1:17:14 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/13/2023 1:17:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	240	60		mg/Kg	20	10/16/2023 3:05:27 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH23-27 2'
Project: Strawberry 7 Fed Com 9 H
Collection Date: 10/5/2023 1:25:00 PM
Lab ID: 2310438-004 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/13/2023 8:58:13 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2023 8:58:13 AM
Surr: DNOP	110	69-147		%Rec	1	10/13/2023 8:58:13 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/13/2023 1:40:45 AM
Surr: BFB	95.9	15-244		%Rec	1	10/13/2023 1:40:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/13/2023 1:40:45 AM
Toluene	ND	0.048		mg/Kg	1	10/13/2023 1:40:45 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/13/2023 1:40:45 AM
Xylenes, Total	ND	0.097		mg/Kg	1	10/13/2023 1:40:45 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/13/2023 1:40:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	400	60		mg/Kg	20	10/16/2023 3:17:52 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9 H
Lab ID: 2310438-005 **Matrix:** SOIL

Client Sample ID: BH23-28 0'
Collection Date: 10/5/2023 12:21:00 PM
Received Date: 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	9.8	8.9		mg/Kg	1	10/13/2023 9:08:39 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/13/2023 9:08:39 AM
Surr: DNOP	79.9	69-147		%Rec	1	10/13/2023 9:08:39 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/13/2023 2:04:16 AM
Surr: BFB	92.5	15-244		%Rec	1	10/13/2023 2:04:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/13/2023 2:04:16 AM
Toluene	ND	0.048		mg/Kg	1	10/13/2023 2:04:16 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/13/2023 2:04:16 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/13/2023 2:04:16 AM
Surr: 4-Bromofluorobenzene	99.2	39.1-146		%Rec	1	10/13/2023 2:04:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	650	60		mg/Kg	20	10/16/2023 3:30:16 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9 H
Lab ID: 2310438-006 **Matrix:** SOIL

Client Sample ID: BH23-28 2'
Collection Date: 10/5/2023 1:01:00 PM
Received Date: 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/13/2023 9:19:06 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2023 9:19:06 AM
Surr: DNOP	83.6	69-147		%Rec	1	10/13/2023 9:19:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/13/2023 2:27:47 AM
Surr: BFB	94.2	15-244		%Rec	1	10/13/2023 2:27:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/13/2023 2:27:47 AM
Toluene	ND	0.047		mg/Kg	1	10/13/2023 2:27:47 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/13/2023 2:27:47 AM
Xylenes, Total	ND	0.094		mg/Kg	1	10/13/2023 2:27:47 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/13/2023 2:27:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	230	60		mg/Kg	20	10/16/2023 3:42:41 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-29 0'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 10:19:00 AM
Lab ID: 2310438-007 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	4500	88		mg/Kg	10	10/13/2023 1:06:58 PM
Motor Oil Range Organics (MRO)	ND	440	D	mg/Kg	10	10/13/2023 1:06:58 PM
Surr: DNOP	0	69-147	S	%Rec	10	10/13/2023 1:06:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/13/2023 2:51:19 AM
Surr: BFB	89.0	15-244		%Rec	1	10/13/2023 2:51:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/13/2023 2:51:19 AM
Toluene	ND	0.049		mg/Kg	1	10/13/2023 2:51:19 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/13/2023 2:51:19 AM
Xylenes, Total	ND	0.098		mg/Kg	1	10/13/2023 2:51:19 AM
Surr: 4-Bromofluorobenzene	96.0	39.1-146		%Rec	1	10/13/2023 2:51:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	600	60		mg/Kg	20	10/16/2023 3:55:05 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-29 2'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 12:09:00 PM
Lab ID: 2310438-008 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	23	9.3		mg/Kg	1	10/13/2023 9:40:05 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/13/2023 9:40:05 AM
Surr: DNOP	75.5	69-147		%Rec	1	10/13/2023 9:40:05 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/13/2023 3:14:48 AM
Surr: BFB	94.0	15-244		%Rec	1	10/13/2023 3:14:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/13/2023 3:14:48 AM
Toluene	ND	0.050		mg/Kg	1	10/13/2023 3:14:48 AM
Ethylbenzene	ND	0.050		mg/Kg	1	10/13/2023 3:14:48 AM
Xylenes, Total	ND	0.099		mg/Kg	1	10/13/2023 3:14:48 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	10/13/2023 3:14:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	220	60		mg/Kg	20	10/16/2023 4:07:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-30 0'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 10:28:00 AM
Lab ID: 2310438-009 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/13/2023 9:50:38 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/13/2023 9:50:38 AM
Surr: DNOP	78.6	69-147		%Rec	1	10/13/2023 9:50:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/13/2023 3:38:14 AM
Surr: BFB	90.8	15-244		%Rec	1	10/13/2023 3:38:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/13/2023 3:38:14 AM
Toluene	ND	0.048		mg/Kg	1	10/13/2023 3:38:14 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/13/2023 3:38:14 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/13/2023 3:38:14 AM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	10/13/2023 3:38:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	9100	300		mg/Kg	100	10/16/2023 4:19:54 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH23-30 2'
Project: Strawberry 7 Fed Com 9 H
Collection Date: 10/6/2023 12:36:00 PM
Lab ID: 2310438-010 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/13/2023 10:11:42 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2023 10:11:42 AM
Surr: DNOP	92.6	69-147		%Rec	1	10/13/2023 10:11:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/13/2023 4:01:43 AM
Surr: BFB	91.9	15-244		%Rec	1	10/13/2023 4:01:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/13/2023 4:01:43 AM
Toluene	ND	0.047		mg/Kg	1	10/13/2023 4:01:43 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/13/2023 4:01:43 AM
Xylenes, Total	ND	0.094		mg/Kg	1	10/13/2023 4:01:43 AM
Surr: 4-Bromofluorobenzene	99.1	39.1-146		%Rec	1	10/13/2023 4:01:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	3400	150		mg/Kg	50	10/16/2023 4:32:19 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-31 0'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 10:37:00 AM
Lab ID: 2310438-011 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/13/2023 10:22:18 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2023 10:22:18 AM
Surr: DNOP	80.3	69-147		%Rec	1	10/13/2023 10:22:18 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/13/2023 4:47:20 PM
Surr: BFB	92.8	15-244		%Rec	1	10/13/2023 4:47:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	10/13/2023 4:47:20 PM
Toluene	ND	0.047		mg/Kg	1	10/13/2023 4:47:20 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/13/2023 4:47:20 PM
Xylenes, Total	ND	0.094		mg/Kg	1	10/13/2023 4:47:20 PM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/13/2023 4:47:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2200	150		mg/Kg	50	10/16/2023 5:09:33 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-31 2'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 12:42:00 PM
Lab ID: 2310438-012 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/13/2023 1:17:40 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/13/2023 1:17:40 PM
Surr: DNOP	108	69-147		%Rec	1	10/13/2023 1:17:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/13/2023 5:10:46 PM
Surr: BFB	94.8	15-244		%Rec	1	10/13/2023 5:10:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/13/2023 5:10:46 PM
Toluene	ND	0.050		mg/Kg	1	10/13/2023 5:10:46 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/13/2023 5:10:46 PM
Xylenes, Total	ND	0.099		mg/Kg	1	10/13/2023 5:10:46 PM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	10/13/2023 5:10:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	700	60		mg/Kg	20	10/16/2023 5:21:58 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-32 0'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 10:51:00 AM
Lab ID: 2310438-013 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/13/2023 1:28:23 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/13/2023 1:28:23 PM
Surr: DNOP	89.3	69-147		%Rec	1	10/13/2023 1:28:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/13/2023 5:34:10 PM
Surr: BFB	93.4	15-244		%Rec	1	10/13/2023 5:34:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	10/13/2023 5:34:10 PM
Toluene	ND	0.047		mg/Kg	1	10/13/2023 5:34:10 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/13/2023 5:34:10 PM
Xylenes, Total	ND	0.094		mg/Kg	1	10/13/2023 5:34:10 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/13/2023 5:34:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2100	60		mg/Kg	20	10/16/2023 5:34:23 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310438**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy **Client Sample ID:** BH23-32 2'
Project: Strawberry 7 Fed Com 9 H **Collection Date:** 10/6/2023 1:18:00 PM
Lab ID: 2310438-014 **Matrix:** SOIL **Received Date:** 10/10/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/16/2023 11:40:05 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/16/2023 11:40:05 AM
Surr: DNOP	116	69-147		%Rec	1	10/16/2023 11:40:05 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/13/2023 5:57:32 PM
Surr: BFB	95.0	15-244		%Rec	1	10/13/2023 5:57:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/13/2023 5:57:32 PM
Toluene	ND	0.049		mg/Kg	1	10/13/2023 5:57:32 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/13/2023 5:57:32 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/13/2023 5:57:32 PM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	10/13/2023 5:57:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	670	60		mg/Kg	20	10/16/2023 5:46:47 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	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310438**

18-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9 H

Sample ID:	**MB-78159**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**78159**	RunNo:	**100474**					
Prep Date:	**10/14/2023**	Analysis Date:	**10/14/2023**	SeqNo:	**3681493**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID:	**LCS-78159**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**78159**	RunNo:	**100474**					
Prep Date:	**10/14/2023**	Analysis Date:	**10/14/2023**	SeqNo:	**3681494**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310438**

18-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9 H

Sample ID: **LCS-78135**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78135**	RunNo: **100445**
Prep Date: **10/12/2023**	Analysis Date: **10/13/2023**	SeqNo: **3679970** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.8	61.9	130			
Surr: DNOP	4.4		5.000		88.8	69	147			

Sample ID: **MB-78135**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78135**	RunNo: **100445**
Prep Date: **10/12/2023**	Analysis Date: **10/13/2023**	SeqNo: **3679971** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.1	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310438**

18-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9 H

Sample ID: **lcs-78087**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679121** 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	96.3	70	130			
Surr: BFB	2000		1000		199	15	244			

Sample ID: **mb-78087**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679122** 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	940		1000		94.3	15	244			

Sample ID: **2310438-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-26 0'**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679131** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	24.25	0	106	70	130			
Surr: BFB	2000		969.9		210	15	244			

Sample ID: **2310438-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-26 0'**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679132** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	24.18	0	102	70	130	3.63	20	
Surr: BFB	2000		967.1		206	15	244	0	0	

Sample ID: **lcs-78113**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78113**	RunNo: **100442**
Prep Date: **10/12/2023**	Analysis Date: **10/13/2023**	SeqNo: **3679822** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		201	15	244			

Sample ID: **mb-78113**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78113**	RunNo: **100442**
Prep Date: **10/12/2023**	Analysis Date: **10/13/2023**	SeqNo: **3679823** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		93.8	15	244			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310438**

18-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9 H

Sample ID: **LCS-78087**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679144** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.7	70	130			
Toluene	0.98	0.050	1.000	0	97.6	70	130			
Ethylbenzene	0.99	0.050	1.000	0	99.1	70	130			
Xylenes, Total	3.0	0.10	3.000	0	99.4	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-78087**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679145** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	39.1	146			

Sample ID: **2310438-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-26 2'**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/13/2023**	SeqNo: **3679155** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9823	0	103	70	130			
Toluene	1.0	0.049	0.9823	0	105	70	130			
Ethylbenzene	1.0	0.049	0.9823	0	106	70	130			
Xylenes, Total	3.1	0.098	2.947	0	106	70	130			
Surr: 4-Bromofluorobenzene	1.0		0.9823		102	39.1	146			

Sample ID: **2310438-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-26 2'**	Batch ID: **78087**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/13/2023**	SeqNo: **3679156** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9852	0	104	70	130	1.02	20	
Toluene	1.0	0.049	0.9852	0	105	70	130	1.12	20	
Ethylbenzene	1.0	0.049	0.9852	0	106	70	130	0.794	20	
Xylenes, Total	3.2	0.099	2.956	0	107	70	130	1.54	20	
Surr: 4-Bromofluorobenzene	1.0		0.9852		103	39.1	146	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310438**

18-Oct-23

Client: Devon Energy

Project: Strawberry 7 Fed Com 9 H

Sample ID: **LCS-78113** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **78113** RunNo: **100442**

Prep Date: **10/12/2023** Analysis Date: **10/13/2023** SeqNo: **3679825** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	39.1	146			

Sample ID: **mb-78113** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **78113** RunNo: **100442**

Prep Date: **10/12/2023** Analysis Date: **10/13/2023** SeqNo: **3679826** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	39.1	146			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2310438 RcptNo: 1

Received By: Tracy Casarrubias 10/10/2023 7:45:00 AM

Completed By: Tracy Casarrubias 10/10/2023 9:37:53 AM

Reviewed By: SCM 10/10/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°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 ☑ TMC 10/10/23	No ☑	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
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 ☐	Checked by: TMC 10/10/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☑	No ☐	NA ☑ TMC 10/10/23

Person Notified: Erin C. Date: 10/10/23

By Whom: Tracy C. Via: ☐ eMail ☑ Phone ☐ Fax ☐ In Person

Regarding: Sample name discrepancy.

Client Instructions: Mailing address, phone number, and Email/Fax are missing on COC- TMC 10/10/23

16. Additional remarks: Going with COC per Erin C. -TMC 10/10/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good	Yes	Morty		

Chain-of-Custody Record

Client: Devon / Vertex

Mailing Address: on file

Phone #: on file

email or Fax#:

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other ____ ☐ EDD (Type) ____

Turn-Around Time: ☐ Standard ☑ Rush 5 Day

Project Name: Strawberry 7 fed Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings.

Sampler: Wewsavan Costafillo

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 3.4-0=3.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310438	BTEX / MTBE / TMB's (8021)	TPH 8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
10.05.23	12:10	Soil	BH23-26 0'	4oz	ice	001	✓	✓					✓									
↓	13:53	↓	BH23-26 2'	↓	↓	002	↓	↓					↓									
	12:06		BH23-27 0'			003																
	13:25		BH23-27 2'			004																
	12:21		BH23-28 0'			005																
	13:01		BH23-28 2'			006																
10.06.23	10:19		BH23-29 0'			007																
	12:09		BH23-29 2'			008																
	10:28		BH23-30 0'			009																
	12:36		BH23-30 2'			010																
	10:37		BH23-31 0'			011																
	12:42	↓	BH23-31 2'	↓	↓	012	↓	↓					↓									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10.06.23	17:56	Wewsavan Costafillo	[signature]		10/9/23	1030
10/9/23	1900	[signature]	[signature]	courier	10/10/23	7:45

Remarks: Work order: 21198813

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

Chain-of-Custody Record

Client: Vertex / Devon

Mailing Address: on file

Phone #: on file

email or Fax#: on file

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
TMAL 10/10/23
☐ Standard ☑ Rush 5 Day

Project Name: Strawberry Fed Com 9H

Project #: 23E-04452.

Project Manager: Kent Hallings

Sampler: Devavan Costajillo

On Ice: ☑ Yes ☐ No marty

# of Coolers: 1

Cooler Temp(including CF): 3.4-0=3.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310438	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10.06.23	10:51	Soil	BH23-32 0'	4oz	Ice	013										
	13:18	Soil	BH23-32 2'	4oz	Ice	014										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10.06.23	6:00	Devavan Costajillo			10/9/23	1030
10/9/23	1900				10/10/23	7:45

Remarks:
work order 2119 8813
cc: Smcanly@vertex.ca

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

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

October 24, 2023

Kent Stallings

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

RE: Strawberry 7 Fed Com 9H OrderNo.: 2310925

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/19/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2310925**
Date Reported: **10/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-33 0'
Project: Strawberry 7 Fed Com 9H
Collection Date: 10/17/2023 12:10:00 PM
Lab ID: 2310925-001 **Matrix:** SOIL
Received Date: 10/19/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/20/2023 10:27:50 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2023 10:27:50 PM
Surr: DNOP	126	69-147		%Rec	1	10/20/2023 10:27:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/21/2023 3:12:19 AM
Surr: BFB	95.9	15-244		%Rec	1	10/21/2023 3:12:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/21/2023 3:12:19 AM
Toluene	ND	0.048		mg/Kg	1	10/21/2023 3:12:19 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/21/2023 3:12:19 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/21/2023 3:12:19 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/21/2023 3:12:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	100	60		mg/Kg	20	10/20/2023 3:43:01 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2310925**
Date Reported: **10/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH23-33 2'
Project: Strawberry 7 Fed Com 9H
Collection Date: 10/17/2023 12:22:00 PM
Lab ID: 2310925-002 **Matrix:** SOIL
Received Date: 10/19/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/20/2023 10:38:43 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/20/2023 10:38:43 PM
Surr: DNOP	102	69-147		%Rec	1	10/20/2023 10:38:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/21/2023 3:35:56 AM
Surr: BFB	94.6	15-244		%Rec	1	10/21/2023 3:35:56 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/21/2023 3:35:56 AM
Toluene	ND	0.048		mg/Kg	1	10/21/2023 3:35:56 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/21/2023 3:35:56 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/21/2023 3:35:56 AM
Surr: 4-Bromofluorobenzene	99.3	39.1-146		%Rec	1	10/21/2023 3:35:56 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	130	60		mg/Kg	20	10/20/2023 3:55:26 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310925**
Date Reported: **10/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-34 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 10/17/2023 11:33:00 AM
Lab ID: 2310925-003 **Matrix:** SOIL **Received Date:** 10/19/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2023 10:49:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2023 10:49:36 PM
Surr: DNOP	113	69-147		%Rec	1	10/20/2023 10:49:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/21/2023 3:59:30 AM
Surr: BFB	98.2	15-244		%Rec	1	10/21/2023 3:59:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/21/2023 3:59:30 AM
Toluene	ND	0.047		mg/Kg	1	10/21/2023 3:59:30 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/21/2023 3:59:30 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/21/2023 3:59:30 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	10/21/2023 3:59:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	10/20/2023 4:32:41 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310925**
Date Reported: **10/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-34 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 10/17/2023 11:46:00 AM
Lab ID: 2310925-004 **Matrix:** SOIL **Received Date:** 10/19/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2023 11:00:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2023 11:00:27 PM
Surr: DNOP	76.2	69-147		%Rec	1	10/20/2023 11:00:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/21/2023 4:22:56 AM
Surr: BFB	98.1	15-244		%Rec	1	10/21/2023 4:22:56 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/21/2023 4:22:56 AM
Toluene	ND	0.048		mg/Kg	1	10/21/2023 4:22:56 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/21/2023 4:22:56 AM
Xylenes, Total	ND	0.097		mg/Kg	1	10/21/2023 4:22:56 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	10/21/2023 4:22:56 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	10/20/2023 4:45:06 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2310925**
Date Reported: **10/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-35 0'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 10/17/2023 10:48:00 AM
Lab ID: 2310925-005 **Matrix:** SOIL **Received Date:** 10/19/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/23/2023 6:56:48 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/23/2023 6:56:48 PM
Surr: DNOP	82.6	69-147		%Rec	1	10/23/2023 6:56:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/21/2023 4:46:18 AM
Surr: BFB	99.9	15-244		%Rec	1	10/21/2023 4:46:18 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/21/2023 4:46:18 AM
Toluene	ND	0.049		mg/Kg	1	10/21/2023 4:46:18 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/21/2023 4:46:18 AM
Xylenes, Total	ND	0.099		mg/Kg	1	10/21/2023 4:46:18 AM
Surr: 4-Bromofluorobenzene	106	39.1-146		%Rec	1	10/21/2023 4:46:18 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	70	60		mg/Kg	20	10/20/2023 4:57:31 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310925**
Date Reported: **10/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH23-35 2'
Project: Strawberry 7 Fed Com 9H **Collection Date:** 10/17/2023 11:01:00 AM
Lab ID: 2310925-006 **Matrix:** SOIL **Received Date:** 10/19/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2023 11:32:51 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2023 11:32:51 PM
Surr: DNOP	106	69-147		%Rec	1	10/20/2023 11:32:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/21/2023 5:09:53 AM
Surr: BFB	99.3	15-244		%Rec	1	10/21/2023 5:09:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/21/2023 5:09:53 AM
Toluene	ND	0.048		mg/Kg	1	10/21/2023 5:09:53 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/21/2023 5:09:53 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/21/2023 5:09:53 AM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	10/21/2023 5:09:53 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	10/20/2023 5:09:56 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310925**

24-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **MB-78269**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78269**	RunNo: **100629**							
Prep Date: **10/20/2023**	Analysis Date: **10/20/2023**	SeqNo: **3689507**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78269**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78269**	RunNo: **100629**							
Prep Date: **10/20/2023**	Analysis Date: **10/20/2023**	SeqNo: **3689508**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310925**

24-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **LCS-78254**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78254**	RunNo: **100627**
Prep Date: **10/19/2023**	Analysis Date: **10/20/2023**	SeqNo: **3689325** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	61.9	130			
Surr: DNOP	4.9		5.000		99.0	69	147			

Sample ID: **MB-78254**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78254**	RunNo: **100627**
Prep Date: **10/19/2023**	Analysis Date: **10/20/2023**	SeqNo: **3689329** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.2	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310925**

24-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-78252**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78252**	RunNo: **100615**
Prep Date: **10/19/2023**	Analysis Date: **10/20/2023**	SeqNo: **3690477** 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	94.9	70	130			
Surr: BFB	1900		1000		194	15	244			

Sample ID: **mb-78252**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78252**	RunNo: **100615**
Prep Date: **10/19/2023**	Analysis Date: **10/20/2023**	SeqNo: **3690478** 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	930		1000		92.9	15	244			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310925**

24-Oct-23

Client: Vertex Resources Services, Inc.

Project: Strawberry 7 Fed Com 9H

Sample ID: **LCS-78252** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **78252** RunNo: **100615**

Prep Date: **10/19/2023** Analysis Date: **10/20/2023** SeqNo: **3690508** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.9	70	130			
Toluene	1.0	0.050	1.000	0	99.9	70	130			
Ethylbenzene	1.0	0.050	1.000	0	100	70	130			
Xylenes, Total	3.0	0.10	3.000	0	101	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	39.1	146			

Sample ID: **mb-78252** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **78252** RunNo: **100615**

Prep Date: **10/19/2023** Analysis Date: **10/20/2023** SeqNo: **3690509** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	39.1	146			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2310925

RcptNo: 1

Received By: Tracy Casarrubias 10/19/2023 7:30:00 AM

Completed By: Tracy Casarrubias 10/19/2023 8:01:55 AM

Reviewed By: SCM 10/19/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°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: JM 10/19/23

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: Mailing address, phone number and Email/Fax are missing on COC- TMC 10/19/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes	Morty		

Chain-of-Custody Record

Client: Vertex / Devon

Mailing Address: on file

Phone #: on file

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 3 - days

Project Name: strawberry 7 fed com 9H

Project #: 23E-04452

Project Manager: Kent Stallgins

Sampler: Lfeusavon Cortaville.

On Ice: ☑ Yes ☐ No

# of Coolers: 1 marty

Cooler Temp(including CF): 5.0 - 0 = 5.0 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310925
10.17.23	12:10	Soil	BH23_33 0'	4oz	ice	001
	12:22		BH23_33 2'			002
	11:33		BH23_34 0'			003
	11:46		BH23_34 2'			004
	10:48		BH23_35 0'			005
	11:01	↓	BH23_35 2'	↓	↓	006

Analysis Request

(BTEX / MTBE / TMB's (8021)	(PH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
↓	↓					↓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10.18.23	1:55	Lfeusavon Cortaville.			10/18/23	755
10/18/23	1900			courier	10/19/23	7:30

Remarks:
w/o 2119813
please cc @ smccarley@vertex.ca

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.

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

January 02, 2024

Kent Stallings

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

RE: Strawberry 7 Fed Com 9H OrderNo.: 2312C27

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 12/21/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312C27**
Date Reported: **1/2/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2312C27-001 **Matrix:** SOIL

Client Sample ID: BH23-30 4'
Collection Date: 12/19/2023 10:43:00 AM
Received Date: 12/21/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/27/2023 2:06:05 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2023 2:06:05 PM
Surr: DNOP	90.2	69-147		%Rec	1	12/27/2023 2:06:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2023 6:55:20 PM
Surr: BFB	97.3	15-244		%Rec	1	12/24/2023 6:55:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/24/2023 6:55:20 PM
Toluene	ND	0.049		mg/Kg	1	12/24/2023 6:55:20 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2023 6:55:20 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/24/2023 6:55:20 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/24/2023 6:55:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	71	60		mg/Kg	20	12/22/2023 7:40:04 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	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312C27**
Date Reported: **1/2/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2312C27-002 **Matrix:** SOIL

Client Sample ID: BH23-36 0'
Collection Date: 12/19/2023 10:47:00 AM
Received Date: 12/21/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/27/2023 2:16:40 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/27/2023 2:16:40 PM
Surr: DNOP	94.1	69-147		%Rec	1	12/27/2023 2:16:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2023 8:06:54 PM
Surr: BFB	99.8	15-244		%Rec	1	12/24/2023 8:06:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/24/2023 8:06:54 PM
Toluene	ND	0.048		mg/Kg	1	12/24/2023 8:06:54 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2023 8:06:54 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2023 8:06:54 PM
Surr: 4-Bromofluorobenzene	98.7	39.1-146		%Rec	1	12/24/2023 8:06:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	150	60		mg/Kg	20	12/22/2023 7:52:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312C27**
Date Reported: **1/2/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH23-36 2'
Project: Strawberry 7 Fed Com 9H
Collection Date: 12/19/2023 11:38:00 AM
Lab ID: 2312C27-003 **Matrix:** SOIL **Received Date:** 12/21/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/27/2023 2:27:13 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/27/2023 2:27:13 PM
Surr: DNOP	90.9	69-147		%Rec	1	12/27/2023 2:27:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2023 9:18:49 PM
Surr: BFB	96.6	15-244		%Rec	1	12/24/2023 9:18:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/24/2023 9:18:49 PM
Toluene	ND	0.048		mg/Kg	1	12/24/2023 9:18:49 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2023 9:18:49 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2023 9:18:49 PM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	12/24/2023 9:18:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/22/2023 8:29:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312C27**
Date Reported: **1/2/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH23-37 0'
Project: Strawberry 7 Fed Com 9H
Collection Date: 12/19/2023 10:58:00 AM
Lab ID: 2312C27-004 **Matrix:** SOIL **Received Date:** 12/21/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/27/2023 2:37:50 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/27/2023 2:37:50 PM
Surr: DNOP	97.8	69-147		%Rec	1	12/27/2023 2:37:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/24/2023 9:43:03 PM
Surr: BFB	95.8	15-244		%Rec	1	12/24/2023 9:43:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/24/2023 9:43:03 PM
Toluene	ND	0.047		mg/Kg	1	12/24/2023 9:43:03 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2023 9:43:03 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/24/2023 9:43:03 PM
Surr: 4-Bromofluorobenzene	95.8	39.1-146		%Rec	1	12/24/2023 9:43:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/22/2023 8:42:08 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312C27**
Date Reported: **1/2/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Strawberry 7 Fed Com 9H
Lab ID: 2312C27-005 **Matrix:** SOIL

Client Sample ID: BH23-37 2'
Collection Date: 12/19/2023 11:20:00 AM
Received Date: 12/21/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/27/2023 2:48:25 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/27/2023 2:48:25 PM
Surr: DNOP	92.4	69-147		%Rec	1	12/27/2023 2:48:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2023 10:07:22 PM
Surr: BFB	94.1	15-244		%Rec	1	12/24/2023 10:07:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/24/2023 10:07:22 PM
Toluene	ND	0.049		mg/Kg	1	12/24/2023 10:07:22 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2023 10:07:22 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/24/2023 10:07:22 PM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	12/24/2023 10:07:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/22/2023 8:54:32 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312C27**

02-Jan-24

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **MB-79586**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79586**	RunNo: **102051**
Prep Date: **12/22/2023**	Analysis Date: **12/22/2023**	SeqNo: **3768171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79586**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79586**	RunNo: **102051**
Prep Date: **12/22/2023**	Analysis Date: **12/22/2023**	SeqNo: **3768172** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312C27**

02-Jan-24

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **2312C27-005AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-37 2'**	Batch ID: **79618**	RunNo: **102119**
Prep Date: **12/27/2023**	Analysis Date: **12/27/2023**	SeqNo: **3769199** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.2	46.04	0	81.8	54.2	135			
Surr: DNOP	4.5		4.604		96.7	69	147			

Sample ID: **2312C27-005AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH23-37 2'**	Batch ID: **79618**	RunNo: **102119**
Prep Date: **12/27/2023**	Analysis Date: **12/27/2023**	SeqNo: **3769200** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.2	45.96	0	86.9	54.2	135	5.81	29.2	
Surr: DNOP	4.7		4.596		103	69	147	0	0	

Sample ID: **LCS-79618**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79618**	RunNo: **102119**
Prep Date: **12/27/2023**	Analysis Date: **12/27/2023**	SeqNo: **3769212** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.4	61.9	130			
Surr: DNOP	4.9		5.000		97.3	69	147			

Sample ID: **MB-79618**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79618**	RunNo: **102119**
Prep Date: **12/27/2023**	Analysis Date: **12/27/2023**	SeqNo: **3769216** 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	8.9		10.00		89.3	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312C27**

02-Jan-24

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **lcs-79573**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767289** 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	97.1	70	130			
Surr: BFB	2000		1000		204	15	244			

Sample ID: **mb-79573**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767290** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.3	15	244			

Sample ID: **2312c27-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-30 4'**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767307** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.20	0	100	70	130			
Surr: BFB	2100		968.1		212	15	244			

Sample ID: **2312c27-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23-30 4'**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767308** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.34	0	96.0	70	130	3.90	20	
Surr: BFB	2000		973.7		205	15	244	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312C27**

02-Jan-24

Client: Devon Energy

Project: Strawberry 7 Fed Com 9H

Sample ID: **LCS-79573**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767316** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.0	70	130			
Toluene	0.90	0.050	1.000	0	89.8	70	130			
Ethylbenzene	0.91	0.050	1.000	0	90.7	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.5	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	39.1	146			

Sample ID: **mb-79573**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767317** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	39.1	146			

Sample ID: **2312c27-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-36 0'**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767336** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.024	0.9452	0	87.2	70	130			
Toluene	0.85	0.047	0.9452	0	89.6	70	130			
Ethylbenzene	0.87	0.047	0.9452	0	91.8	70	130			
Xylenes, Total	2.6	0.095	2.836	0	92.7	70	130			
Surr: 4-Bromofluorobenzene	0.91		0.9452		96.7	39.1	146			

Sample ID: **2312c27-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH23-36 0'**	Batch ID: **79573**	RunNo: **102079**
Prep Date: **12/22/2023**	Analysis Date: **12/24/2023**	SeqNo: **3767337** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9542	0	87.2	70	130	0.950	20	
Toluene	0.86	0.048	0.9542	0	90.4	70	130	1.82	20	
Ethylbenzene	0.89	0.048	0.9542	0	92.9	70	130	2.08	20	
Xylenes, Total	2.7	0.095	2.863	0	93.5	70	130	1.85	20	
Surr: 4-Bromofluorobenzene	0.92		0.9542		96.7	39.1	146	0	0	

Qualifiers:

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

eurofins | Environment Testing

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

Sample Log-In Check List

Client Name: Devon Energy | Work Order Number: 2312C27 | RcptNo: 1

Received By: Tracy Casarrubias 12/21/2023 7:45:00 AM

Completed By: Tracy Casarrubias 12/21/2023 8:58:55 AM

Reviewed By: 12/21/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°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: TMC 12/21/23

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: Mailing address, phone number, and Email/Fax are missing on COC - TMC 12/21/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good	Yes	Yogi		

Chain-of-Custody Record

Client: Devon

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

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

Turn-Around Time:
☐ Standard ☑ Rush 2 days.

Project Name: Strawberry 7 Fed Com 9H

Project #: 23E-04452

Project Manager: Kent Stallings

Sampler: Llewsavan

On Ice: ☑ Yes ☐ No 409i

# of Coolers: 1

Cooler Temp (Including CF): 4.6±0=4.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312C27	BTEX / MTBE / TMB's (8021)	TPH 8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
12.19.23	10:43	Soil	BH23-30 4'	4oz	ICE	001	↓	↓					↓									
↓	10:47	↓	BH23-36 0'	↓	↓	002	↓	↓					↓									
↓	11:38	↓	BH23-36 2'	↓	↓	003	↓	↓					↓									
↓	10:58	↓	BH23-37 0'	↓	↓	004	↓	↓					↓									
↓	11:20	↓	BH23-37 2'	↓	↓	005	↓	↓					↓									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12.19.23	15:21	Llewsavon Cortafilla	[signature]		12/20/23	1100
12/20/23	1200	[signature]	[signature]	courier	12/21/23	7:45

Remarks: Work order: 21198813
ec: gmccarty@vertex.ca

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.

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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nRM2008052559**
Incident Name	**NRM2008052559 STRAWBERRY 7 FED COM 9H @ 30-015-41574**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-41574] STRAWBERRY 7 FEDERAL COM #009H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	STRAWBERRY 7 FED COM 9H
Date Release Discovered	03/16/2020
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Pump | Crude Oil | Released: 1 BBL | Recovered: 1 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Pump | Produced Water | Released: 22 BBL | Recovered: 9 BBL | Lost: 13 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*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@dvn.com Date: 10/25/2024

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4500
GRO+DRO (EPA SW-846 Method 8015M)	4500
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	05/27/2024
On what date will (or did) the final sampling or liner inspection occur	06/06/2024
On what date will (or was) the remediation complete(d)	07/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	352
What is the estimated volume (in cubic yards) that will be reclaimed	18
What is the estimated surface area (in square feet) that will be remediated	352
What is the estimated volume (in cubic yards) that will be remediated	18
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 10/25/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**349933**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/06/2024**
What was the (estimated) number of samples that were to be gathered	**3**
What was the sampling surface area in square feet	**400**

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	No

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CONDITIONS

Action 395765

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395765
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The entire release area will need confirmation samples representing no more than 200 ft2. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.	11/26/2024