

Incident ID	NAPP2131358531
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 11/16/2022
email: dale.woodall@dmv.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Devon Energy

Rajin Cajun 13 Fed 1H

N-13-26S-34E

Site Map w/ Confirmation Samples



**Devon Energy Production Company
Ragin Cajun 13 Fed 1H**

**Closure Report
N-13-26S-34E
nAPP2131358531
Eddy County, New Mexico
February 1, 2022**



Prepared for:

**Devon Energy Production Company
6488 Seven Rivers Hwy
Artesia, New Mexico 88211**

By:

**Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, New Mexico 88240**

Company Contacts

Representative	Company	Telephone	E-mail
Wesley Mathews	Devon Energy	575-578-6195	Wesley.Mathews@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was contracted by Devon Energy to assess a release at the Ragin Cajun 13 Fed 1H location. This site is situated in UL N, Section 13, Township 26S and Range 34E, in Lea County New Mexico. We are addressing the release in this plan which will be remediated upon plan approval.

According to the operator, a stuffing box leak, below the spill pot, resulted in the release of approximately 7.87 bbls of oil. The well was subsequently shut in when the leak was detected. All fluids stayed on the pad, and supervisors were contacted for repairs and cleanup.

Surface and Ground Water

According to the NMOCD Oil and Gas Map, there is no surface water within 3,000 feet of this location and spill areas. Depth to groundwater determination was not successfully established based on the guidelines required by NMOCD; therefore, Devon will remediate these spills according to the most stringent criteria set forth by NMOCD in NMAC 19.15.29.

Characterization

The release has been fully delineated both vertically and horizontally, which includes establishing horizontal and vertical extent of delineation to the most stringent standard of 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.

Release Area Investigation

SESI personnel tracked and mapped the release and sampled the area to achieve both vertical and horizontal delineation. Samples were taken at the surface and 1-foot intervals until field testing indicated the samples to meet target levels. The horizontal extent samples are denoted on the map with an H beside the sample number. The results of the analytical are captured in the summary table below.

Sample ID	Chloride	TPH		Sample ID	Chloride	TPH
AH-1 @ Surf	NT	NT		AH-3 @ Surf	NT	NT
AH-1 @ 1'	136	08		AH-3 @ 1'	108	08
				AH-4 @ Surf	NT	NT
AH-2 @ Surf	NT	NT		AH-4 @ 1'	1068	NT
AH-2 @ 1'	188	07		AH-4 @ 2'	284	06
Horizontal Samples						
Sample ID	Chloride	TPH		Sample ID	Chloride	TPH
H-S Surf 1	136	07				
H-S Surf 2	188	10				
H-S Surf 3	<108	08				
H-E Surf	<108	09				
H-N Surf 1	220	07				
H-N Surf 2	188	15				

Remediation

Based on the results of the delineation, SESI, determined the best course of action is to excavate the contaminated soil to a depth of 1 to 1.5 feet as applicable. In November of 2021, contaminated material was removed by excavating the affected area. Confirmation samples were taken to ensure remediation was successful and that the vertical and horizontal extent of the release area had been established. The samples were properly preserved and packaged then sent to Hall Laboratories for analysis. The results of the sampling is captured in the table below.

Devon Energy Ragin Cajun 13 Fed 1H Soil Sample Results: Hall Environmental Laboratories 11/5/21								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP-1 BTM @ 1'	160	ND	ND	ND	ND	ND	ND	ND
SP-2 BTM @ 1'	170	ND	ND	ND	ND	ND	ND	ND
SP-3 BTM @ 1'	64	ND	ND	ND	ND	ND	ND	ND
SP-4 BTM @ 1'	66	ND	ND	ND	ND	ND	ND	ND
SP-5 BTM @ 1.5'	170	ND	ND	ND	ND	ND	ND	ND
SP-6 BTM @ 1.5'	270	ND	ND	ND	ND	ND	ND	ND
Horizontal Extent								
North Wall 1	160	ND	ND	ND	ND	ND	ND	ND
North Wall 2	79	ND	ND	ND	ND	ND	ND	ND
East Wall	66	ND	ND	ND	ND	ND	ND	ND
South Wall 1	82	ND	ND	ND	ND	ND	ND	ND
South Wall 2	81	ND	ND	ND	ND	ND	ND	ND
South Wall 3	81	ND	ND	ND	ND	ND	ND	ND
West Wall	280	ND	ND	ND	ND	ND	ND	ND

Once sample results verified both successful remediation and horizontal extent, the site was backfilled with clean soil. Pictures of the remediation are included in this report.

Closure Request

Based on the confirmation and horizontal sample results, SESI believes the release area to be properly remediated according to the closure criteria set forth in Table I of the Spill Rule 19.15.29 NMAC. Therefore, SESI, on behalf of Devon respectfully requests closure of this release. Supplemental information has been included in this report to support our closure request.

Supplemental Documentation for Closure

Map of Release with sample locations
 Photos of release and remediation
 NMOCD Oil and Gas Map
 BLM Cave Karst Map
 FEMA Floodplain Map
 Laboratory Analysis
 C-141, pages 3-6

Devon Energy

Ragin Cajun
N-13-26S-34E
Vicinity Map

Legend

14

13

26S

23

24

Google Earth



3000 ft

Devon Energy

Ragin Cajun
N-13-26S-34E
Site Map

Legend

13

26S 34E

Google Earth

Released to Imaging: 12/16/2022 8:58:44 AM






200 ft

Devon Energy

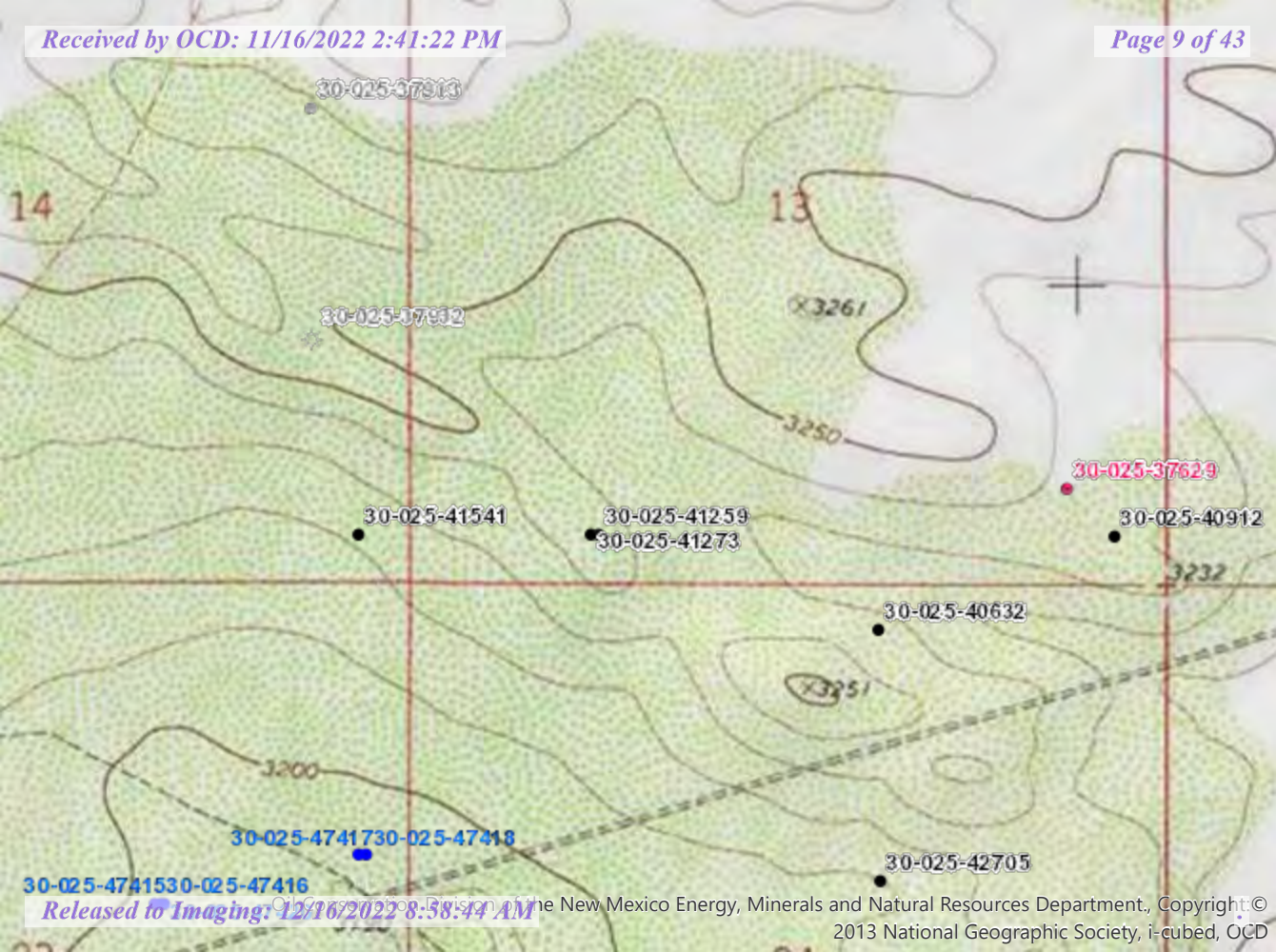
Ragin Cajun 13 Fed 1H
N-13-26S-34E
Site Map W/ Samples

Legend

-  Horizontal Extent
-  Spill Area
-  Vertical Extent

13





30-025-37913

30-025-37932

30-025-41541

30-025-41259

30-025-41273

30-025-37629

30-025-40912

30-025-40632

30-025-4741730-025-47418

30-025-42705


30-025-4741530-025-47416

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Devon Energy

Ragin Cajun
N-13-26S-34E
BLM Karst Map - Low

Legend

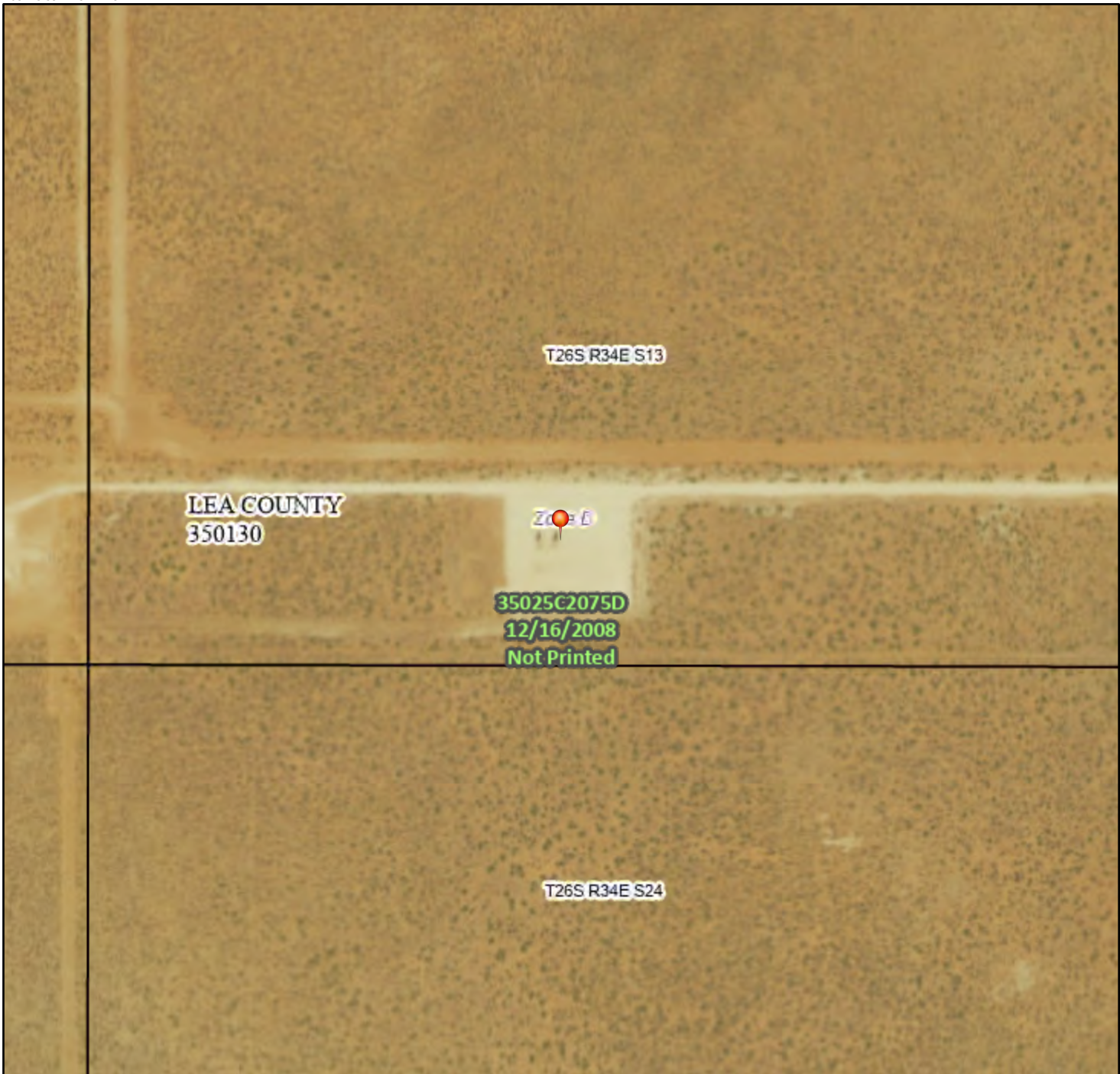
 Ragin Cajun



National Flood Hazard Layer FIRMette




103°25'59"W 32°2'29"N





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 Water Surface Elevation


 17.5


 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



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 **10/29/2021 at 10:51 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



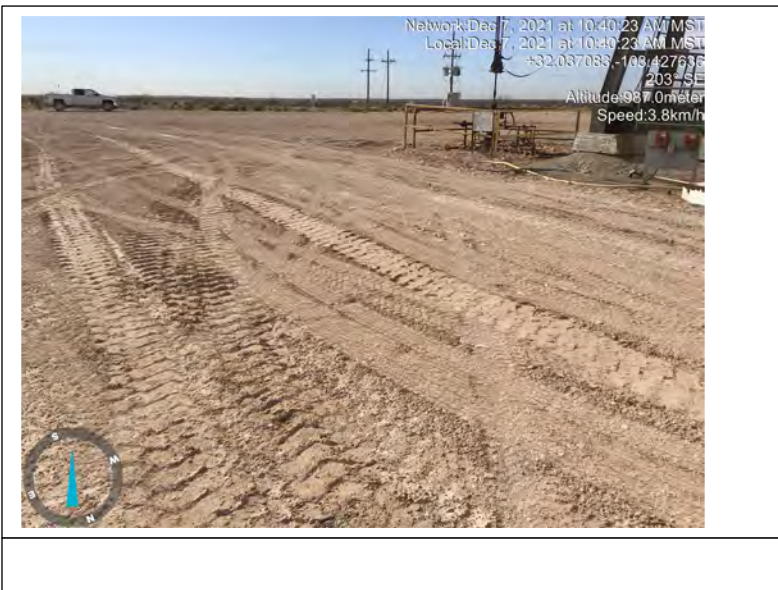
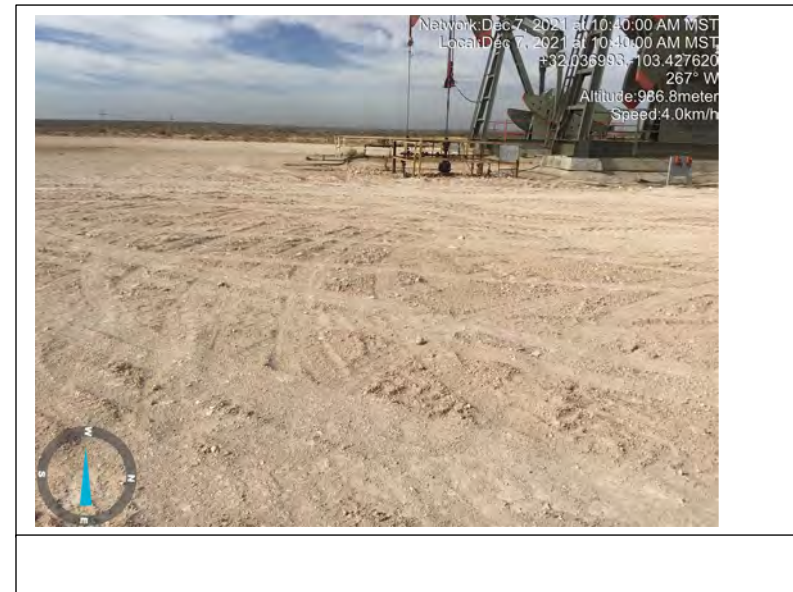
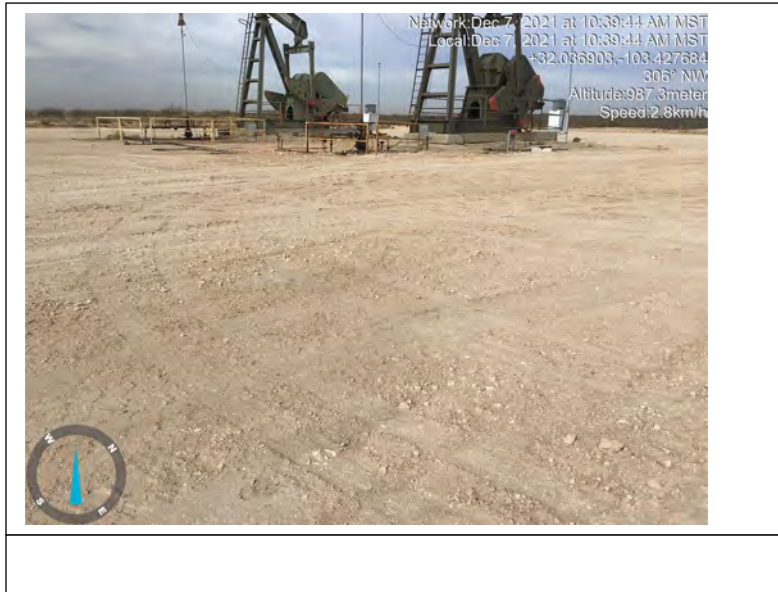
Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



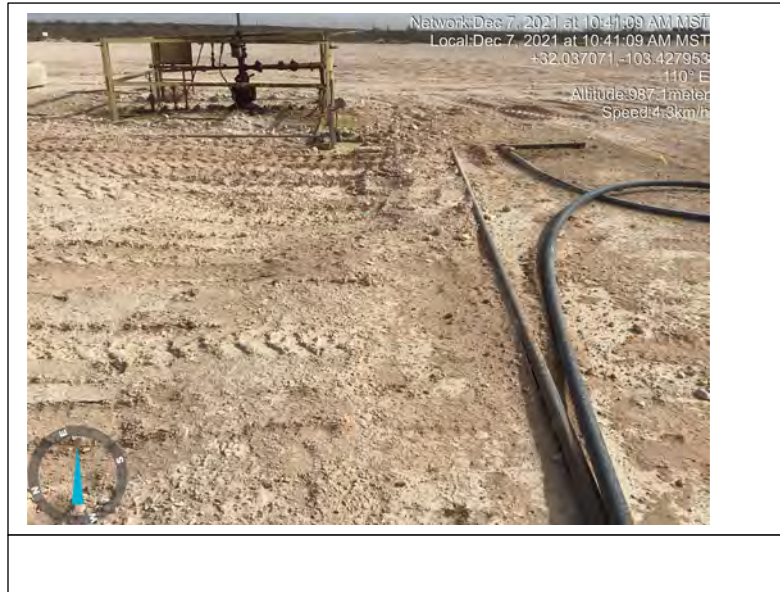
Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



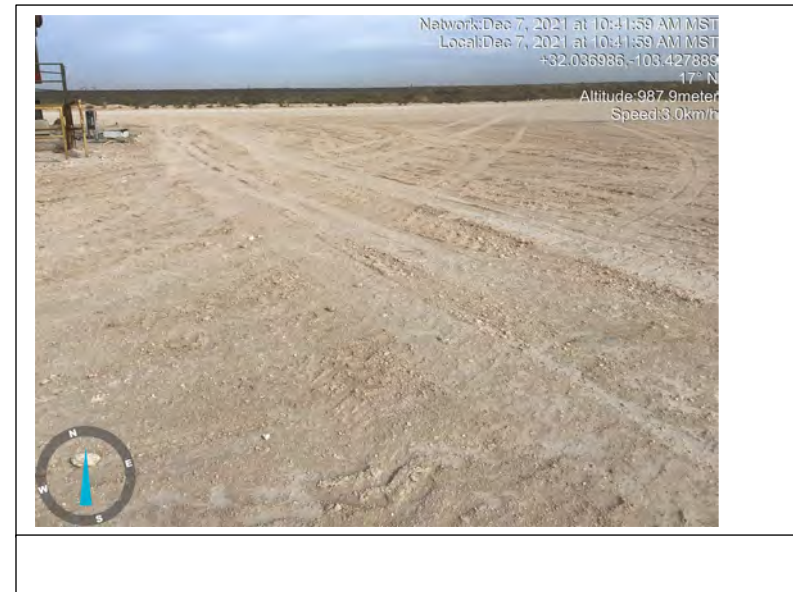
Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos



Devon Energy – Ragin Cajun 13 Fed 1H Excavation & Remediation Photos





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

November 18, 2021

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Devon Ragin Cajun 13 Fed 1H

OrderNo.: 2111434

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 13 sample(s) on 11/9/2021 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,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 1 Ft Bottom

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 9:20:00 AM

Lab ID: 2111434-001

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	160	60		mg/Kg	20	11/10/2021 3:30:19 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/10/2021 1:19:31 PM	63848
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/10/2021 1:19:31 PM	63848
Surr: DNOP	60.9	70-130	S	%Rec	1	11/10/2021 1:19:31 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2021 11:42:00 AM	63831
Surr: BFB	102	70-130		%Rec	1	11/10/2021 11:42:00 AM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 11:42:00 AM	63831
Toluene	ND	0.049		mg/Kg	1	11/10/2021 11:42:00 AM	63831
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2021 11:42:00 AM	63831
Xylenes, Total	ND	0.098		mg/Kg	1	11/10/2021 11:42:00 AM	63831
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/10/2021 11:42:00 AM	63831

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

Page 1 of 17

Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-2 1 Ft Bottom

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 9:35:00 AM

Lab ID: 2111434-002

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	170	60		mg/Kg	20	11/10/2021 4:07:34 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/10/2021 1:43:56 PM	63848
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/10/2021 1:43:56 PM	63848
Surr: DNOP	68.7	70-130	S	%Rec	1	11/10/2021 1:43:56 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2021 12:01:00 PM	63831
Surr: BFB	104	70-130		%Rec	1	11/10/2021 12:01:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 12:01:00 PM	63831
Toluene	ND	0.049		mg/Kg	1	11/10/2021 12:01:00 PM	63831
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2021 12:01:00 PM	63831
Xylenes, Total	ND	0.098		mg/Kg	1	11/10/2021 12:01:00 PM	63831
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/10/2021 12:01:00 PM	63831

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

Page 2 of 17

Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-3 1 Ft Bottom

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 9:55:00 AM

Lab ID: 2111434-003

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	64	60		mg/Kg	20	11/10/2021 4:19:58 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	11/10/2021 2:08:03 PM	63848
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	11/10/2021 2:08:03 PM	63848
Surr: DNOP	68.4	70-130	S	%Rec	1	11/10/2021 2:08:03 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2021 12:21:00 PM	63831
Surr: BFB	97.5	70-130		%Rec	1	11/10/2021 12:21:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 12:21:00 PM	63831
Toluene	ND	0.049		mg/Kg	1	11/10/2021 12:21:00 PM	63831
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2021 12:21:00 PM	63831
Xylenes, Total	ND	0.098		mg/Kg	1	11/10/2021 12:21:00 PM	63831
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/10/2021 12:21:00 PM	63831

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

Page 3 of 17

Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-4 1 Ft Bottom

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 10:20:00 AM

Lab ID: 2111434-004

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	66	60		mg/Kg	20	11/10/2021 4:32:23 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/10/2021 2:32:56 PM	63848
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/10/2021 2:32:56 PM	63848
Surr: DNOP	80.2	70-130		%Rec	1	11/10/2021 2:32:56 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2021 12:41:00 PM	63831
Surr: BFB	99.8	70-130		%Rec	1	11/10/2021 12:41:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/10/2021 12:41:00 PM	63831
Toluene	ND	0.049		mg/Kg	1	11/10/2021 12:41:00 PM	63831
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2021 12:41:00 PM	63831
Xylenes, Total	ND	0.098		mg/Kg	1	11/10/2021 12:41:00 PM	63831
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	11/10/2021 12:41:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-5 1.5 Ft Bottom

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 10:45:00 AM

Lab ID: 2111434-005

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	170	60		mg/Kg	20	11/10/2021 4:44:48 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/10/2021 2:57:02 PM	63848
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/10/2021 2:57:02 PM	63848
Surr: DNOP	79.2	70-130		%Rec	1	11/10/2021 2:57:02 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/10/2021 3:17:00 PM	63831
Surr: BFB	101	70-130		%Rec	1	11/10/2021 3:17:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/10/2021 3:17:00 PM	63831
Toluene	ND	0.048		mg/Kg	1	11/10/2021 3:17:00 PM	63831
Ethylbenzene	ND	0.048		mg/Kg	1	11/10/2021 3:17:00 PM	63831
Xylenes, Total	ND	0.096		mg/Kg	1	11/10/2021 3:17:00 PM	63831
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/10/2021 3:17:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-6 1.5 Ft Bottom

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 11:10:00 AM

Lab ID: 2111434-006

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	270	60		mg/Kg	20	11/10/2021 5:22:01 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/10/2021 3:21:15 PM	63848
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/10/2021 3:21:15 PM	63848
Surr: DNOP	93.3	70-130		%Rec	1	11/10/2021 3:21:15 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/10/2021 3:37:00 PM	63831
Surr: BFB	96.0	70-130		%Rec	1	11/10/2021 3:37:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/10/2021 3:37:00 PM	63831
Toluene	ND	0.047		mg/Kg	1	11/10/2021 3:37:00 PM	63831
Ethylbenzene	ND	0.047		mg/Kg	1	11/10/2021 3:37:00 PM	63831
Xylenes, Total	ND	0.095		mg/Kg	1	11/10/2021 3:37:00 PM	63831
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	11/10/2021 3:37:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: North Wall 1

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 11:20:00 AM

Lab ID: 2111434-007

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	160	60		mg/Kg	20	11/10/2021 5:59:17 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/10/2021 3:45:32 PM	63848
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/10/2021 3:45:32 PM	63848
Surr: DNOP	80.4	70-130		%Rec	1	11/10/2021 3:45:32 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/10/2021 3:57:00 PM	63831
Surr: BFB	101	70-130		%Rec	1	11/10/2021 3:57:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	11/10/2021 3:57:00 PM	63831
Toluene	ND	0.047		mg/Kg	1	11/10/2021 3:57:00 PM	63831
Ethylbenzene	ND	0.047		mg/Kg	1	11/10/2021 3:57:00 PM	63831
Xylenes, Total	ND	0.094		mg/Kg	1	11/10/2021 3:57:00 PM	63831
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	11/10/2021 3:57:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: North Wall 2

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 11:35:00 AM

Lab ID: 2111434-008

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	79	60		mg/Kg	20	11/10/2021 6:11:41 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/10/2021 4:09:52 PM	63848
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/10/2021 4:09:52 PM	63848
Surr: DNOP	83.4	70-130		%Rec	1	11/10/2021 4:09:52 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2021 4:16:00 PM	63831
Surr: BFB	97.2	70-130		%Rec	1	11/10/2021 4:16:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/10/2021 4:16:00 PM	63831
Toluene	ND	0.049		mg/Kg	1	11/10/2021 4:16:00 PM	63831
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2021 4:16:00 PM	63831
Xylenes, Total	ND	0.097		mg/Kg	1	11/10/2021 4:16:00 PM	63831
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	11/10/2021 4:16:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: East Wall

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 11:50:00 AM

Lab ID: 2111434-009

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	66	60		mg/Kg	20	11/10/2021 6:24:05 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/10/2021 4:33:58 PM	63848
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/10/2021 4:33:58 PM	63848
Surr: DNOP	78.6	70-130		%Rec	1	11/10/2021 4:33:58 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/10/2021 4:36:00 PM	63831
Surr: BFB	101	70-130		%Rec	1	11/10/2021 4:36:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 4:36:00 PM	63831
Toluene	ND	0.050		mg/Kg	1	11/10/2021 4:36:00 PM	63831
Ethylbenzene	ND	0.050		mg/Kg	1	11/10/2021 4:36:00 PM	63831
Xylenes, Total	ND	0.099		mg/Kg	1	11/10/2021 4:36:00 PM	63831
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/10/2021 4:36:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: South Wall 1

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 12:10:00 PM

Lab ID: 2111434-010

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	82	60		mg/Kg	20	11/10/2021 6:36:30 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/10/2021 4:58:16 PM	63848
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/10/2021 4:58:16 PM	63848
Surr: DNOP	83.8	70-130		%Rec	1	11/10/2021 4:58:16 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/10/2021 4:55:00 PM	63831
Surr: BFB	96.3	70-130		%Rec	1	11/10/2021 4:55:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 4:55:00 PM	63831
Toluene	ND	0.050		mg/Kg	1	11/10/2021 4:55:00 PM	63831
Ethylbenzene	ND	0.050		mg/Kg	1	11/10/2021 4:55:00 PM	63831
Xylenes, Total	ND	0.10		mg/Kg	1	11/10/2021 4:55:00 PM	63831
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/10/2021 4:55:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: South Wall 2

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 12:35:00 PM

Lab ID: 2111434-011

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	81	60		mg/Kg	20	11/10/2021 6:48:55 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/10/2021 5:22:31 PM	63848
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/10/2021 5:22:31 PM	63848
Surr: DNOP	85.1	70-130		%Rec	1	11/10/2021 5:22:31 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/10/2021 5:15:00 PM	63831
Surr: BFB	98.8	70-130		%Rec	1	11/10/2021 5:15:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 5:15:00 PM	63831
Toluene	ND	0.049		mg/Kg	1	11/10/2021 5:15:00 PM	63831
Ethylbenzene	ND	0.049		mg/Kg	1	11/10/2021 5:15:00 PM	63831
Xylenes, Total	ND	0.098		mg/Kg	1	11/10/2021 5:15:00 PM	63831
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/10/2021 5:15:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: South Wall 3

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 12:45:00 PM

Lab ID: 2111434-012

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	81	60		mg/Kg	20	11/10/2021 7:01:20 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/10/2021 5:46:57 PM	63848
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/10/2021 5:46:57 PM	63848
Surr: DNOP	83.4	70-130		%Rec	1	11/10/2021 5:46:57 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/10/2021 5:35:00 PM	63831
Surr: BFB	95.7	70-130		%Rec	1	11/10/2021 5:35:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/10/2021 5:35:00 PM	63831
Toluene	ND	0.048		mg/Kg	1	11/10/2021 5:35:00 PM	63831
Ethylbenzene	ND	0.048		mg/Kg	1	11/10/2021 5:35:00 PM	63831
Xylenes, Total	ND	0.097		mg/Kg	1	11/10/2021 5:35:00 PM	63831
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/10/2021 5:35:00 PM	63831

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

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Analytical Report

Lab Order 2111434

Date Reported: 11/18/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: West Wall

Project: Devon Ragin Cajun 13 Fed 1H

Collection Date: 11/5/2021 12:55:00 PM

Lab ID: 2111434-013

Matrix: SOIL

Received Date: 11/9/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	280	60		mg/Kg	20	11/10/2021 7:13:44 PM	63867
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/10/2021 6:11:08 PM	63848
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/10/2021 6:11:08 PM	63848
Surr: DNOP	86.6	70-130		%Rec	1	11/10/2021 6:11:08 PM	63848
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/10/2021 5:54:00 PM	63831
Surr: BFB	95.6	70-130		%Rec	1	11/10/2021 5:54:00 PM	63831
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/10/2021 5:54:00 PM	63831
Toluene	ND	0.050		mg/Kg	1	11/10/2021 5:54:00 PM	63831
Ethylbenzene	ND	0.050		mg/Kg	1	11/10/2021 5:54:00 PM	63831
Xylenes, Total	ND	0.10		mg/Kg	1	11/10/2021 5:54:00 PM	63831
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/10/2021 5:54:00 PM	63831

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

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

WO#: 2111434

19-Nov-21

Client: Safety & Environmental Solutions**Project:** Devon Ragin Cajun 13 Fed 1H

Sample ID: MB-63867	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63867	RunNo: 82732								
Prep Date: 11/10/2021	Analysis Date: 11/10/2021	SeqNo: 2938114	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63867	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63867	RunNo: 82732								
Prep Date: 11/10/2021	Analysis Date: 11/10/2021	SeqNo: 2938115	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

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

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

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

WO#: 2111434

19-Nov-21

Client: Safety & Environmental Solutions**Project:** Devon Ragin Cajun 13 Fed 1H

Sample ID: LCS-63848	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 63848			RunNo: 82730						
Prep Date: 11/9/2021	Analysis Date: 11/10/2021			SeqNo: 2938565		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.0	68.9	135			
Surr: DNOP	4.8		5.000		96.4	70	130			

Sample ID: MB-63848	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 63848			RunNo: 82730						
Prep Date: 11/9/2021	Analysis Date: 11/10/2021			SeqNo: 2938566		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		110	70	130			

Qualifiers:

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

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

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

WO#: 2111434

19-Nov-21

Client: Safety & Environmental Solutions**Project:** Devon Ragin Cajun 13 Fed 1H

Sample ID: mb-63831	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63831	RunNo: 82754								
Prep Date: 11/9/2021	Analysis Date: 11/10/2021	SeqNo: 2937702	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		100	70	130			

Sample ID: lcs-63831	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63831	RunNo: 82754								
Prep Date: 11/9/2021	Analysis Date: 11/10/2021	SeqNo: 2937703	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		116	70	130			

Qualifiers:

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

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

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

WO#: 2111434

19-Nov-21

Client: Safety & Environmental Solutions**Project:** Devon Ragin Cajun 13 Fed 1H

Sample ID: mb-63831	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63831	RunNo: 82754								
Prep Date: 11/9/2021	Analysis Date: 11/10/2021	SeqNo: 2937731	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	70	130			

Sample ID: lcs-63831	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63831	RunNo: 82754								
Prep Date: 11/9/2021	Analysis Date: 11/10/2021	SeqNo: 2937733	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Qualifiers:

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

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Sample Log-In Check List

Client Name: Safety & Environmental Solutions

Work Order Number: 2111434

RcptNo: 1

Received By: Isaiah Ortiz 11/9/2021 8:00:00 AM

Completed By: Sean Livingston 11/9/2021 9:14:30 AM

Reviewed By: *me* 11/9/21
IOx
Sean Livingston
Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°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: *sn 11/9/21*
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: _____

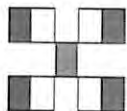
16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good				

[illegible]

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



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Remarks:

Bill Austin

Incident ID	NAPP2131358531
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 11/16/2022
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 12/16/2022
Printed Name: Jennifer Nobui Title: _____
Environmental Specialist A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 159464

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 159464
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	12/16/2022