

Incident ID	NAB1914057197
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: Robert Hamlet Date: 2/14/2023

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: Robert Hamlet Date: 2/14/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

**Devon Energy Production Company
Lusitano 27 CTB 6**

**Closure Report
UL A, Section 27, T25S, R31E
Eddy County, New Mexico**

NAB1914057197

July 22, 2021



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	575-748-0176	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 engaged by Devon Energy to perform a site assessment at the Lusitano 27 CTB 6 concerning an 8.35 bbls oil release inside containment. According to the C-141, malfunction of the dump valve on the 3 phase separator caused the spill. All fluids were recovered. This site is situated in Eddy County, Section 27, Township 25S, and Range 31E.

SESI personnel performed an assessment of the site in January of 2020 based on generator knowledge of the leak location. SESI personnel mapped the leak and performed delineation.

Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water is not present within 3,000 feet of this release. The New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be between 75' and 100' bgs; however, since no wells less than 25 years old and less than a half mile away are known to be present, SESI will delineate this release to the most stringent criteria established by NMOCD.

Characterization

In January, 2020, SESI personnel performed sampling to determine vertical extent of the release. SESI advanced 4 auger holes within the leak area. The samples were properly packaged and preserved and sent to Cardinal Laboratories for analysis. The results of the testing are captured in the summary below:

Devon Energy Lusitano 27 CTB 6 Soil Sample Results: Cardinal Environmental Laboratories 1/29/20									
SAMPLE ID	Chloride	GRO	DRO	EXT DRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total BTEX
AH1 @ SURFACE	7360	5080	9140	1400	6.93	98.2	37.3	229	372
AH1 @ 1'	1230	1330	3800	615	<0.050	12.5	7.53	53.6	43.6
AH1 @ 1.5'	752	36.8	504	1.67	<0.050	0.259	0.173	1.24	1.67
AH2 @ SURFACE	7120	4950	9220	1400	5.33	84.9	31.2	209	330
AH2 @ 1'	1090	1230	3460	502	<0.050	14.5	9.53	60.3	84.3
AH2 @ 2'	288	<10.0	21.1	<10.0	<0.050	0.129	<0.050	0.228	0.357
AH3 @ SURFACE	6160	4760	8550	1230	6.13	81	30.6	189	307
AH3 @ 1'	784	34.8	532	78.8	<0.050	0.331	0.143	0.934	1.41

AH3 @ 2'	304	<10.0	25.5	<10.0	<0.050	0.054	<0.050	<0.150	<0.300
AH4 @ SURFACE	9330	2050	10600	1510	<1.00	20.7	12.5	89.4	123
AH4 @ 1'	720	93.6	981	138	<0.050	0.282	0.420	3.39	4.09
AH4 @ 2'	304	<10.0	20.7	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300

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 1.5 to 2 feet as practicable. In March of 2020, contaminated material was removed via shovel then confirmation and horizontal samples were taken to ensure remediation was successful and that the 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 Lusitano 27 CTB 6 Soil Sample Results: Hall Environmental Laboratories 3/11/20								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP-1 BTM @ 2'	240	ND	61	ND	ND	ND	ND	ND
SP-2 BTM @ 2'	390	ND	110	65	ND	ND	ND	ND
SP-3 BTM @ 2'	200	ND	17	ND	ND	ND	ND	ND
SP-4 BTM @ 1'	410	ND	140	84	ND	ND	ND	ND
SP-5 W Wall	250	ND	37	ND	ND	ND	ND	ND
SP-6 N Wall	240	ND	29	ND	ND	ND	ND	ND
SP-7 E Wall	240	ND	44	ND	ND	ND	ND	ND
SP-8 BTM @ 1'	210	ND	18	ND	ND	ND	ND	ND
Devon Energy Lusitano 27 CTB 6 Soil Sample Results: Hall Environmental Laboratories 3/19/20								
SP-9 BTM @ 1.5'	460	ND	19	ND	ND	ND	ND	ND
SP-10 BTM @ 1.5'	130	ND	38	ND	ND	ND	ND	ND
SP-11 BTM @ 1.5'	300	ND	46	ND	ND	ND	ND	ND
SP-12 BTM @ 1.5'	130	ND	38	ND	ND	ND	ND	ND
SP-13 E Wall	450	ND	25	ND	ND	ND	ND	ND
SP-14 E Wall	470	ND	27	ND	ND	ND	ND	ND
SP-15 W Wall	140	ND	ND	ND	ND	ND	ND	ND
SP-16 W Wall	140	ND	ND	ND	ND	ND	ND	ND
SP-17 S Wall	130	ND	41	ND	ND	ND	ND	ND
Devon Energy Lusitano 27 CTB 6 Soil Sample Results: Hall Environmental Laboratories Re-Test SP, 2 & 4								
AH-2 @ 2.5'	63	ND	ND	ND	ND	ND	ND	ND
AH-4 @ 1.5'	66	ND	27	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

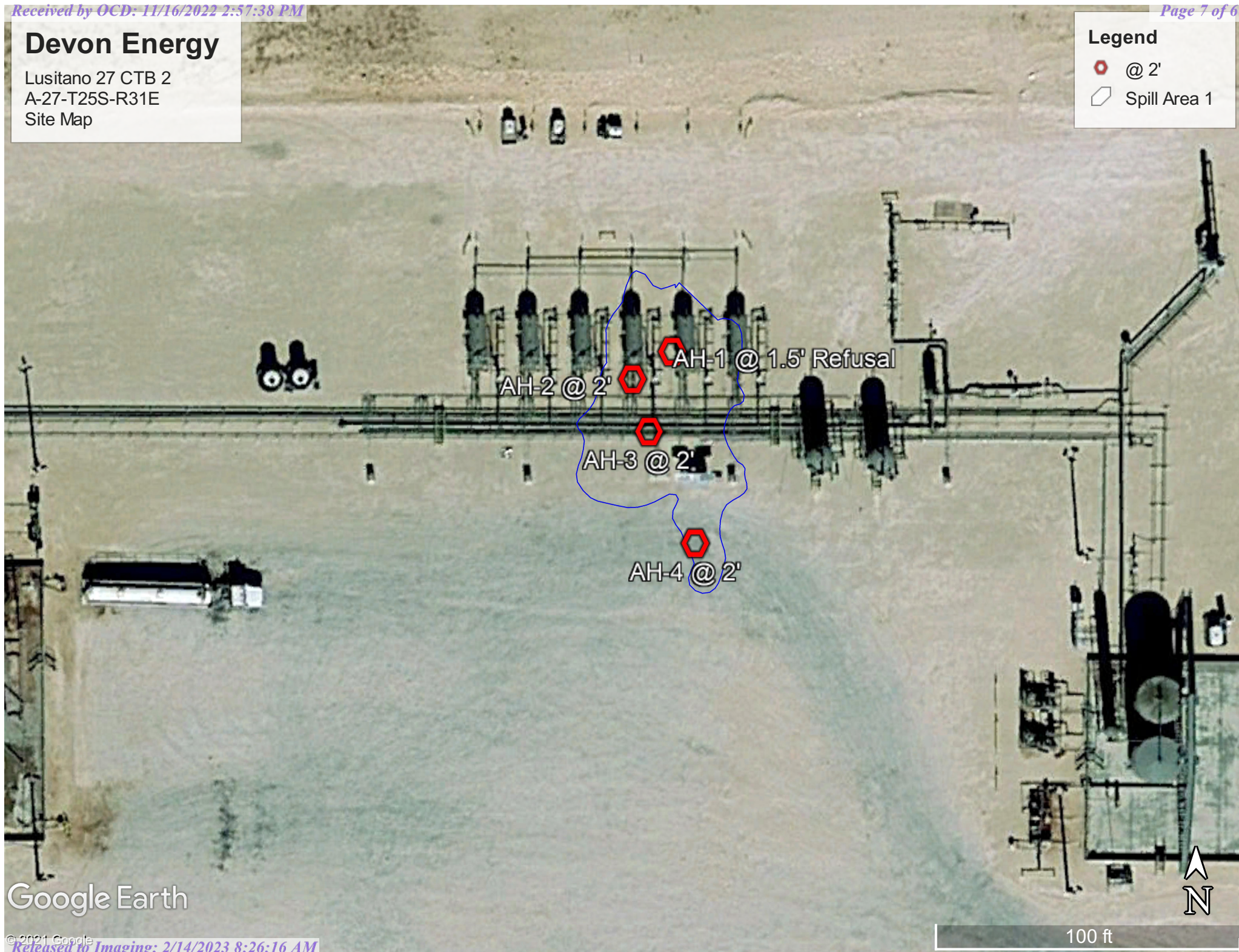
Map of Release with sample locations
Photos of release and remediation
NMOCD Oil and Gas Map
BLM Cave Karst Map
Laboratory Analysis
C-141

Devon Energy

Lusitano 27 CTB 2
A-27-T25S-R31E
Site Map

Legend

-  @ 2'
-  Spill Area 1







Google Earth

Devon Energy

Lusitano 27 CTB 6
A-27-T25S-RR31E
Karst Map - Medium

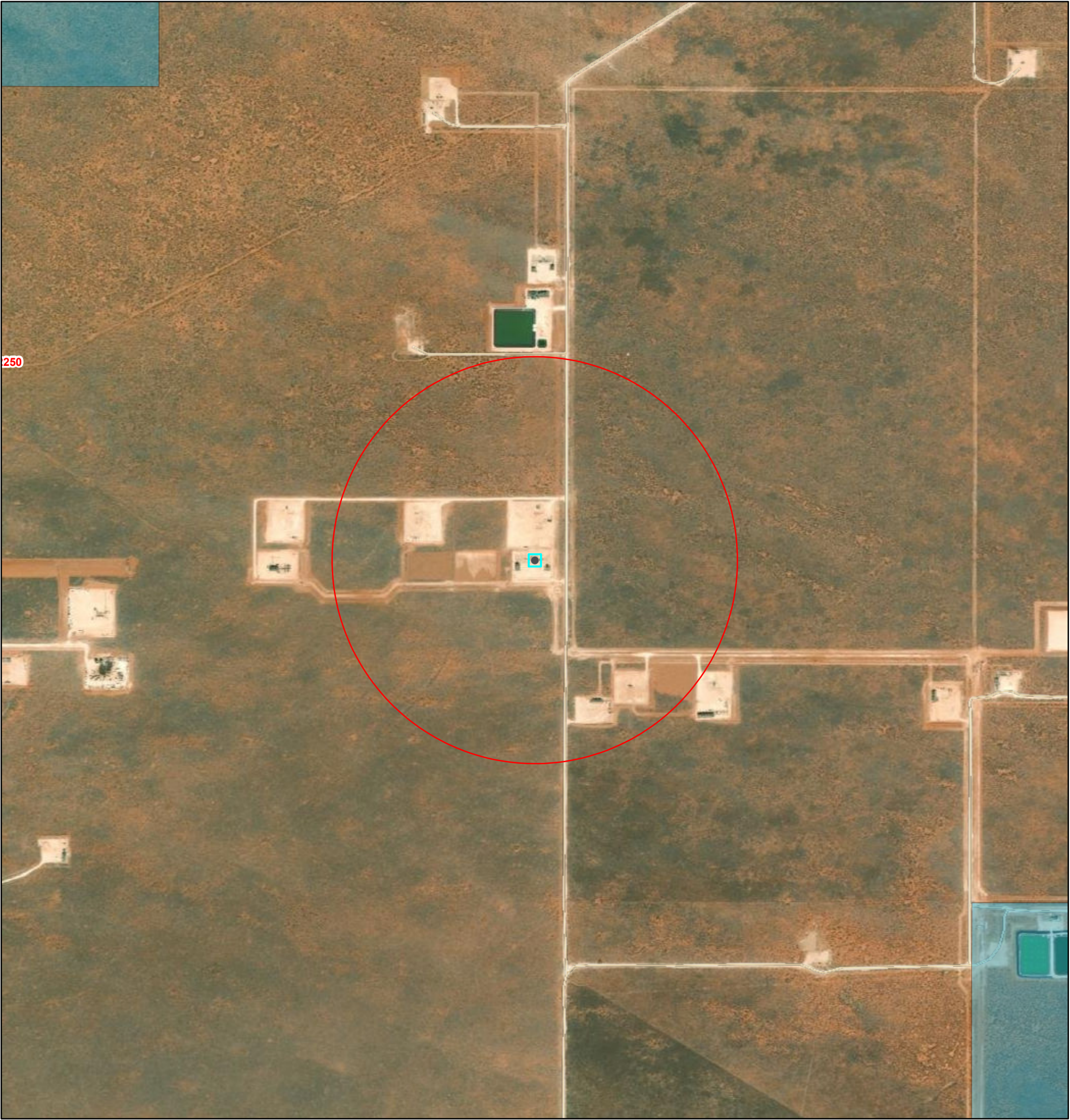
Legend

-  32.106217, -103.758590
-  High
-  Low
-  Medium




32.106217, -103.758590

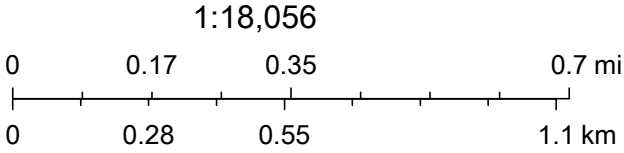


OSE PUBLIC PRINT



8/23/2021, 9:06:54 AM

-  OSE District Boundary
- New Mexico State Trust Lands
-  Both Estates
-  SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320643103465002

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320643103465002 25S.31E.21.413314A

Eddy County, New Mexico

Latitude 32°06'46.0", Longitude 103°46'56.3" NAD83

Land-surface elevation 3,374.00 feet above NGVD29

The depth of the well is 400 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1959-02-17		D	318.02			2	P		U	
2013-01-17	12:40 MST	m					D		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy		Not determined
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status	D	Site was dry (no water level was recorded).
Status	P	Site was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey

Section	Code	Description
Source of measurement	R	Reported by person other than the owner, driller, or another government agency.
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-03-06 11:01:18 EST

0.64 0.22 nadww01

Devon Energy

Lusitano 27 CTB 6 Excavation & Remediation



Devon Energy

Lusitano 27 CTB 6 Excavation & Remediation



Devon Energy**Lusitano 27 CTB 6 Excavation & Remediation**

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Lusitano 27 CTB 6 Excavation & Remediation





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

July 20, 2020

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

RE: Devon Lusitano 27 CTB 6

OrderNo.: 2007554

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/11/2020 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 2007554

Date Reported: 7/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 2.5ft

Project: Devon Lusitano 27 CTB 6

Collection Date: 7/10/2020 10:40:00 AM

Lab ID: 2007554-001

Matrix: SOIL

Received Date: 7/11/2020 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	63	60		mg/Kg	20	7/16/2020 10:27:51 PM	53761
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2020 3:37:24 AM	53676
Surr: BFB	95.3	70-130		%Rec	1	7/15/2020 3:37:24 AM	53676
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/14/2020 12:07:38 PM	53683
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2020 12:07:38 PM	53683
Surr: DNOP	88.5	55.1-146		%Rec	1	7/14/2020 12:07:38 PM	53683
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/15/2020 3:37:24 AM	53676
Toluene	ND	0.048		mg/Kg	1	7/15/2020 3:37:24 AM	53676
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2020 3:37:24 AM	53676
Xylenes, Total	ND	0.097		mg/Kg	1	7/15/2020 3:37:24 AM	53676
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/15/2020 3:37:24 AM	53676
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	7/15/2020 3:37:24 AM	53676
Surr: Dibromofluoromethane	108	70-130		%Rec	1	7/15/2020 3:37:24 AM	53676
Surr: Toluene-d8	101	70-130		%Rec	1	7/15/2020 3:37:24 AM	53676

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		

Page 1 of 7

Analytical Report

Lab Order 2007554

Date Reported: 7/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 1.5ft

Project: Devon Lusitano 27 CTB 6

Collection Date: 7/10/2020 12:30:00 PM

Lab ID: 2007554-002

Matrix: SOIL

Received Date: 7/11/2020 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	66	59		mg/Kg	20	7/16/2020 11:05:05 PM	53761
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2020 4:05:51 AM	53676
Surr: BFB	94.2	70-130		%Rec	1	7/15/2020 4:05:51 AM	53676
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	27	9.4		mg/Kg	1	7/14/2020 12:17:56 PM	53683
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/14/2020 12:17:56 PM	53683
Surr: DNOP	105	55.1-146		%Rec	1	7/14/2020 12:17:56 PM	53683
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/15/2020 4:05:51 AM	53676
Toluene	ND	0.048		mg/Kg	1	7/15/2020 4:05:51 AM	53676
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2020 4:05:51 AM	53676
Xylenes, Total	ND	0.096		mg/Kg	1	7/15/2020 4:05:51 AM	53676
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	7/15/2020 4:05:51 AM	53676
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	7/15/2020 4:05:51 AM	53676
Surr: Dibromofluoromethane	102	70-130		%Rec	1	7/15/2020 4:05:51 AM	53676
Surr: Toluene-d8	103	70-130		%Rec	1	7/15/2020 4:05:51 AM	53676

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		

Page 2 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007554
20-Jul-20

Client: Safety & Environmental Solutions
Project: Devon Lusitano 27 CTB 6

Sample ID: MB-53761	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 53761	RunNo: 70388
Prep Date: 7/16/2020	Analysis Date: 7/16/2020	SeqNo: 2447734 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-53761	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 53761	RunNo: 70388
Prep Date: 7/16/2020	Analysis Date: 7/16/2020	SeqNo: 2447735 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 91.4 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 Quantitative Limit

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

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

WO#: 2007554

20-Jul-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: MB-53683	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53683	RunNo: 70308								
Prep Date: 7/13/2020	Analysis Date: 7/14/2020	SeqNo: 2443933	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	12		10.00		120	55.1	146			

Sample ID: LCS-53683	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53683	RunNo: 70308								
Prep Date: 7/13/2020	Analysis Date: 7/14/2020	SeqNo: 2444211	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	97.9	70	130			
Surr: DNOP	4.2		5.000		84.9	55.1	146			

Qualifiers:

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

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

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

WO#: 2007554

20-Jul-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: mb-53676	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 53676	RunNo: 70347								
Prep Date: 7/13/2020	Analysis Date: 7/14/2020	SeqNo: 2444960	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: 1,2-Dichloroethane-d4	0.55		0.5000		110	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.6	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.54		0.5000		107	70	130			

Sample ID: lcs-53676	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 53676	RunNo: 70347								
Prep Date: 7/13/2020	Analysis Date: 7/14/2020	SeqNo: 2444961	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	104	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.3	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.6	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		101	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			

Sample ID: mb-53710	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 53710	RunNo: 70377								
Prep Date: 7/14/2020	Analysis Date: 7/15/2020	SeqNo: 2446234	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		107	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.1	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			

Sample ID: lcs-53710	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 53710	RunNo: 70377								
Prep Date: 7/14/2020	Analysis Date: 7/15/2020	SeqNo: 2446235	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		105	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.4	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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007554

20-Jul-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27 CTB 6

Sample ID: Ics-53710		SampType: LCS4		TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batch ID: 53710			RunNo: 70377						
Prep Date: 7/14/2020	Analysis Date: 7/15/2020			SeqNo: 2446235		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	0.53		0.5000		105	70	130			
Surr: Toluene-d8	0.52		0.5000		103	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

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

Page 6 of 7

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

WO#: 2007554

20-Jul-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: mb-53676	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 53676	RunNo: 70347								
Prep Date: 7/13/2020	Analysis Date: 7/14/2020	SeqNo: 2445114	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	500		500.0		99.7	70	130			

Sample ID: lcs-53676	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 53676	RunNo: 70347								
Prep Date: 7/13/2020	Analysis Date: 7/14/2020	SeqNo: 2445115	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	79.1	70	130			
Surr: BFB	470		500.0		94.6	70	130			

Sample ID: mb-53710	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 53710	RunNo: 70377								
Prep Date: 7/14/2020	Analysis Date: 7/15/2020	SeqNo: 2446257	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	500		500.0		100	70	130			

Sample ID: lcs-53710	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 53710	RunNo: 70377								
Prep Date: 7/14/2020	Analysis Date: 7/15/2020	SeqNo: 2446258	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	470		500.0		94.6	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

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



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

Sample Log-In Check List

Client Name: **Safety & Environmental S**Work Order Number: **2007554**RcptNo: **1**Received By: **Isaiah Ortiz** 7/11/2020 7:10:00 AMCompleted By: **Isaiah Ortiz** 7/11/2020 8:34:57 AMReviewed By: **Tan** 7/11/2020

I-OK

I-OK

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: _____

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	0.4	Good	Not Present			

[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**

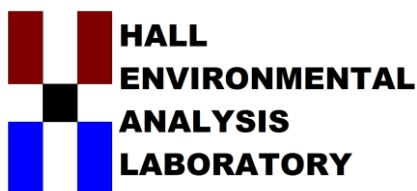
www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]



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

March 26, 2020

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

RE: Devon Lusitano 27 CTB 6

OrderNo.: 2003945

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 9 sample(s) on 3/20/2020 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 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-9 Bottom 1.5ft

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 10:00:00 AM

Lab ID: 2003945-001

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	460	60		mg/Kg	20	3/25/2020 2:27:44 AM	51305
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/22/2020 1:37:07 PM	51242
Surr: BFB	98.3	70-130		%Rec	1	3/22/2020 1:37:07 PM	51242
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	19	9.7		mg/Kg	1	3/24/2020 3:21:18 PM	51257
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/24/2020 3:21:18 PM	51257
Surr: DNOP	97.7	55.1-146		%Rec	1	3/24/2020 3:21:18 PM	51257
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	3/22/2020 1:37:07 PM	51242
Toluene	ND	0.049		mg/Kg	1	3/22/2020 1:37:07 PM	51242
Ethylbenzene	ND	0.049		mg/Kg	1	3/22/2020 1:37:07 PM	51242
Xylenes, Total	ND	0.098		mg/Kg	1	3/22/2020 1:37:07 PM	51242
Surr: 1,2-Dichloroethane-d4	97.9	70-130		%Rec	1	3/22/2020 1:37:07 PM	51242
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	3/22/2020 1:37:07 PM	51242
Surr: Dibromofluoromethane	96.6	70-130		%Rec	1	3/22/2020 1:37:07 PM	51242
Surr: Toluene-d8	97.9	70-130		%Rec	1	3/22/2020 1:37:07 PM	51242

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		

Page 1 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-10 Bottom 1.5ft

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 10:25:00 AM

Lab ID: 2003945-002

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	130	60		mg/Kg	20	3/25/2020 2:23:49 PM	51316
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/22/2020 2:06:56 PM	51242
Surr: BFB	101	70-130		%Rec	1	3/22/2020 2:06:56 PM	51242
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	38	9.7		mg/Kg	1	3/24/2020 3:45:20 PM	51257
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/24/2020 3:45:20 PM	51257
Surr: DNOP	92.9	55.1-146		%Rec	1	3/24/2020 3:45:20 PM	51257
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	3/22/2020 2:06:56 PM	51242
Toluene	ND	0.050		mg/Kg	1	3/22/2020 2:06:56 PM	51242
Ethylbenzene	ND	0.050		mg/Kg	1	3/22/2020 2:06:56 PM	51242
Xylenes, Total	ND	0.10		mg/Kg	1	3/22/2020 2:06:56 PM	51242
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	3/22/2020 2:06:56 PM	51242
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	3/22/2020 2:06:56 PM	51242
Surr: Dibromofluoromethane	104	70-130		%Rec	1	3/22/2020 2:06:56 PM	51242
Surr: Toluene-d8	94.1	70-130		%Rec	1	3/22/2020 2:06:56 PM	51242

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		

Page 2 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-11 Bottom 1.5ft

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 10:50:00 AM

Lab ID: 2003945-003

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	300	60		mg/Kg	20	3/25/2020 4:39:39 PM	51316
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/22/2020 2:36:04 PM	51242
Surr: BFB	99.3	70-130		%Rec	1	3/22/2020 2:36:04 PM	51242
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	46	9.7		mg/Kg	1	3/24/2020 4:09:23 PM	51257
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/24/2020 4:09:23 PM	51257
Surr: DNOP	93.4	55.1-146		%Rec	1	3/24/2020 4:09:23 PM	51257
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	3/22/2020 2:36:04 PM	51242
Toluene	ND	0.049		mg/Kg	1	3/22/2020 2:36:04 PM	51242
Ethylbenzene	ND	0.049		mg/Kg	1	3/22/2020 2:36:04 PM	51242
Xylenes, Total	ND	0.099		mg/Kg	1	3/22/2020 2:36:04 PM	51242
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	3/22/2020 2:36:04 PM	51242
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	3/22/2020 2:36:04 PM	51242
Surr: Dibromofluoromethane	103	70-130		%Rec	1	3/22/2020 2:36:04 PM	51242
Surr: Toluene-d8	96.7	70-130		%Rec	1	3/22/2020 2:36:04 PM	51242

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		

Page 3 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-12 Bottom 1.5ft

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 11:10:00 AM

Lab ID: 2003945-004

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	130	60		mg/Kg	20	3/25/2020 4:51:59 PM	51316
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/22/2020 3:05:48 PM	51242
Surr: BFB	102	70-130		%Rec	1	3/22/2020 3:05:48 PM	51242
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	38	9.8		mg/Kg	1	3/24/2020 4:33:30 PM	51257
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/24/2020 4:33:30 PM	51257
Surr: DNOP	95.7	55.1-146		%Rec	1	3/24/2020 4:33:30 PM	51257
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	3/22/2020 3:05:48 PM	51242
Toluene	ND	0.049		mg/Kg	1	3/22/2020 3:05:48 PM	51242
Ethylbenzene	ND	0.049		mg/Kg	1	3/22/2020 3:05:48 PM	51242
Xylenes, Total	ND	0.099		mg/Kg	1	3/22/2020 3:05:48 PM	51242
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	3/22/2020 3:05:48 PM	51242
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	3/22/2020 3:05:48 PM	51242
Surr: Dibromofluoromethane	99.1	70-130		%Rec	1	3/22/2020 3:05:48 PM	51242
Surr: Toluene-d8	94.1	70-130		%Rec	1	3/22/2020 3:05:48 PM	51242

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		

Page 4 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-13 East Wall

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 8:15:00 AM

Lab ID: 2003945-005

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	450	59		mg/Kg	20	3/25/2020 5:04:20 PM	51316
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/22/2020 3:34:57 PM	51242
Surr: BFB	105	70-130		%Rec	1	3/22/2020 3:34:57 PM	51242
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	25	10		mg/Kg	1	3/24/2020 4:57:35 PM	51257
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/24/2020 4:57:35 PM	51257
Surr: DNOP	95.0	55.1-146		%Rec	1	3/24/2020 4:57:35 PM	51257
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	3/22/2020 3:34:57 PM	51242
Toluene	ND	0.048		mg/Kg	1	3/22/2020 3:34:57 PM	51242
Ethylbenzene	ND	0.048		mg/Kg	1	3/22/2020 3:34:57 PM	51242
Xylenes, Total	ND	0.096		mg/Kg	1	3/22/2020 3:34:57 PM	51242
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	3/22/2020 3:34:57 PM	51242
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	3/22/2020 3:34:57 PM	51242
Surr: Dibromofluoromethane	102	70-130		%Rec	1	3/22/2020 3:34:57 PM	51242
Surr: Toluene-d8	98.1	70-130		%Rec	1	3/22/2020 3:34:57 PM	51242

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		

Page 5 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-14 East Wall

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 8:35:00 AM

Lab ID: 2003945-006

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	470	60		mg/Kg	20	3/25/2020 5:16:41 PM	51316
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	27	9.6		mg/Kg	1	3/24/2020 5:21:43 PM	51257
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/24/2020 5:21:43 PM	51257
Surr: DNOP	106	55.1-146		%Rec	1	3/24/2020 5:21:43 PM	51257
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/23/2020 12:30:23 PM	51253
Surr: BFB	95.5	66.6-105		%Rec	1	3/23/2020 12:30:23 PM	51253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/23/2020 12:30:23 PM	51253
Toluene	ND	0.048		mg/Kg	1	3/23/2020 12:30:23 PM	51253
Ethylbenzene	ND	0.048		mg/Kg	1	3/23/2020 12:30:23 PM	51253
Xylenes, Total	ND	0.096		mg/Kg	1	3/23/2020 12:30:23 PM	51253
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	3/23/2020 12:30:23 PM	51253

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		

Page 6 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-15 West Wall

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 9:00:00 AM

Lab ID: 2003945-007

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	3/25/2020 5:29:02 PM	51316
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/24/2020 5:45:42 PM	51257
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/24/2020 5:45:42 PM	51257
Surr: DNOP	97.2	55.1-146		%Rec	1	3/24/2020 5:45:42 PM	51257
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/23/2020 12:54:09 PM	51253
Surr: BFB	91.0	66.6-105		%Rec	1	3/23/2020 12:54:09 PM	51253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/23/2020 12:54:09 PM	51253
Toluene	ND	0.048		mg/Kg	1	3/23/2020 12:54:09 PM	51253
Ethylbenzene	ND	0.048		mg/Kg	1	3/23/2020 12:54:09 PM	51253
Xylenes, Total	ND	0.096		mg/Kg	1	3/23/2020 12:54:09 PM	51253
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	3/23/2020 12:54:09 PM	51253

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		

Page 7 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-16 West Wall

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 9:30:00 AM

Lab ID: 2003945-008

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	3/25/2020 5:41:23 PM	51316
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/24/2020 6:09:41 PM	51257
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/24/2020 6:09:41 PM	51257
Surr: DNOP	95.0	55.1-146		%Rec	1	3/24/2020 6:09:41 PM	51257
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/23/2020 1:17:47 PM	51253
Surr: BFB	90.6	66.6-105		%Rec	1	3/23/2020 1:17:47 PM	51253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/23/2020 1:17:47 PM	51253
Toluene	ND	0.050		mg/Kg	1	3/23/2020 1:17:47 PM	51253
Ethylbenzene	ND	0.050		mg/Kg	1	3/23/2020 1:17:47 PM	51253
Xylenes, Total	ND	0.10		mg/Kg	1	3/23/2020 1:17:47 PM	51253
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	3/23/2020 1:17:47 PM	51253

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		

Page 8 of 15

Analytical Report

Lab Order 2003945

Date Reported: 3/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-17 South Wall

Project: Devon Lusitano 27 CTB 6

Collection Date: 3/18/2020 11:25:00 AM

Lab ID: 2003945-009

Matrix: SOIL

Received Date: 3/20/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	130	60		mg/Kg	20	3/25/2020 3:00:52 PM	51316
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	41	9.2		mg/Kg	1	3/24/2020 6:33:46 PM	51257
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/24/2020 6:33:46 PM	51257
Surr: DNOP	94.6	55.1-146		%Rec	1	3/24/2020 6:33:46 PM	51257
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/23/2020 1:41:31 PM	51253
Surr: BFB	92.3	66.6-105		%Rec	1	3/23/2020 1:41:31 PM	51253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/23/2020 1:41:31 PM	51253
Toluene	ND	0.049		mg/Kg	1	3/23/2020 1:41:31 PM	51253
Ethylbenzene	ND	0.049		mg/Kg	1	3/23/2020 1:41:31 PM	51253
Xylenes, Total	ND	0.099		mg/Kg	1	3/23/2020 1:41:31 PM	51253
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	3/23/2020 1:41:31 PM	51253

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		

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

WO#: 2003945

26-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: MB-51305	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 51305	RunNo: 67533								
Prep Date: 3/24/2020	Analysis Date: 3/24/2020	SeqNo: 2331634	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51305	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 51305	RunNo: 67533								
Prep Date: 3/24/2020	Analysis Date: 3/24/2020	SeqNo: 2331635	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Sample ID: MB-51316	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 51316	RunNo: 67561								
Prep Date: 3/25/2020	Analysis Date: 3/25/2020	SeqNo: 2333041	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51316	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 51316	RunNo: 67561								
Prep Date: 3/25/2020	Analysis Date: 3/25/2020	SeqNo: 2333042	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Qualifiers:

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

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

Page 10 of 15

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

WO#: 2003945

26-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: MB-51257	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51257	RunNo: 67512								
Prep Date: 3/23/2020	Analysis Date: 3/24/2020	SeqNo: 2330911	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	9.0		10.00		90.4	55.1	146			

Sample ID: LCS-51257	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51257	RunNo: 67512								
Prep Date: 3/23/2020	Analysis Date: 3/24/2020	SeqNo: 2331072	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	90.9	70	130			
Surr: DNOP	4.4		5.000		88.8	55.1	146			

Qualifiers:

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

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

Page 11 of 15

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

WO#: 2003945

26-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: mb-51253	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 51253	RunNo: 67491								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2330014	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		95.2	66.6	105			

Sample ID: lcs-51253	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 51253	RunNo: 67491								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2330015	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	95.0	80	120			
Surr: BFB	1000		1000		105	66.6	105			

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

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

Page 12 of 15

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

WO#: 2003945

26-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: mb-51253	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 51253	RunNo: 67491								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2330061	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID: LCS-51253	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 51253	RunNo: 67491								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2330062	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.2	80	120			
Toluene	0.90	0.050	1.000	0	90.1	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

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

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

Page 13 of 15

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

WO#: 2003945

26-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: mb-51242	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 51242	RunNo: 67487								
Prep Date: 3/20/2020	Analysis Date: 3/22/2020	SeqNo: 2329072	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: 1,2-Dichloroethane-d4	0.52		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.2	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.49		0.5000		97.6	70	130			

Sample ID: lcs-51242	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: 51242	RunNo: 67487								
Prep Date: 3/20/2020	Analysis Date: 3/22/2020	SeqNo: 2329073	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	91.9	70	130			
Toluene	0.90	0.050	1.000	0	90.4	70	130			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		105	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.1	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.47		0.5000		94.7	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

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

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

WO#: 2003945

26-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTB 6

Sample ID: mb-51242	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 51242	RunNo: 67487								
Prep Date: 3/20/2020	Analysis Date: 3/22/2020	SeqNo: 2329193	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	540		500.0		108	70	130			

Sample ID: lcs-51242	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 51242	RunNo: 67487								
Prep Date: 3/20/2020	Analysis Date: 3/22/2020	SeqNo: 2329194	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	86.2	70	130			
Surr: BFB	530		500.0		107	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

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



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: **Safety Env Solutions**Work Order Number: **2003945**

RcptNo: 1

Received By: **Yazmine Garduno**

3/20/2020 8:10:00 AM

*Yazmine Garduno*Completed By: **Leah Baca**

3/20/2020 10:41:23 AM

*Leah Baca*Reviewed By: *LB*

3/20/20

Chain of Custody

1. Is Chain of Custody sufficiently 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: _____

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good				
2	4.1	Good				
3	3.4	Good				
4	2.9	Good				



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

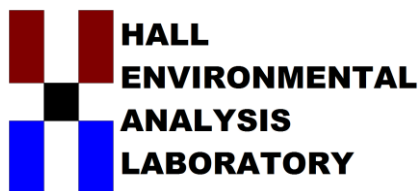
Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **2003945**

RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
5	5.0	Good				



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

March 25, 2020

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

RE: Devon Lusitano 27 CTR 6

OrderNo.: 2003821

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/18/2020 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 white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2003821

Date Reported: 3/25/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 Bottom 2ft

Project: Devon Lusitano 27 CTR 6

Collection Date: 3/11/2020 10:05:00 AM

Lab ID: 2003821-001

Matrix: SOIL

Received Date: 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	240	60		mg/Kg	20	3/24/2020 12:18:26 AM	51270
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/22/2020 4:23:03 PM	51198
Surr: BFB	95.8	70-130		%Rec	1	3/22/2020 4:23:03 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	61	9.9		mg/Kg	1	3/23/2020 3:28:09 PM	51240
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/23/2020 3:28:09 PM	51240
Surr: DNOP	93.3	55.1-146		%Rec	1	3/23/2020 3:28:09 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/22/2020 4:23:03 PM	51198
Toluene	ND	0.049		mg/Kg	1	3/22/2020 4:23:03 PM	51198
Ethylbenzene	ND	0.049		mg/Kg	1	3/22/2020 4:23:03 PM	51198
Xylenes, Total	ND	0.099		mg/Kg	1	3/22/2020 4:23:03 PM	51198
Surr: 1,2-Dichloroethane-d4	80.3	70-130		%Rec	1	3/22/2020 4:23:03 PM	51198
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	3/22/2020 4:23:03 PM	51198
Surr: Dibromofluoromethane	92.8	70-130		%Rec	1	3/22/2020 4:23:03 PM	51198
Surr: Toluene-d8	95.0	70-130		%Rec	1	3/22/2020 4:23:03 PM	51198

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Page 1 of 12

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2003821**Date Reported: **3/25/2020****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** SP-2 Bottom 2ft**Project:** Devon Lusitano 27 CTR 6**Collection Date:** 3/11/2020 10:15:00 AM**Lab ID:** 2003821-002**Matrix:** SOIL**Received Date:** 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	390	60		mg/Kg	20	3/24/2020 12:30:45 AM	51270
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/22/2020 4:51:34 PM	51198
Surr: BFB	96.7	70-130		%Rec	1	3/22/2020 4:51:34 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	3/23/2020 4:41:32 PM	51240
Motor Oil Range Organics (MRO)	65	49		mg/Kg	1	3/23/2020 4:41:32 PM	51240
Surr: DNOP	94.9	55.1-146		%Rec	1	3/23/2020 4:41:32 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/22/2020 4:51:34 PM	51198
Toluene	ND	0.049		mg/Kg	1	3/22/2020 4:51:34 PM	51198
Ethylbenzene	ND	0.049		mg/Kg	1	3/22/2020 4:51:34 PM	51198
Xylenes, Total	ND	0.099		mg/Kg	1	3/22/2020 4:51:34 PM	51198
Surr: 1,2-Dichloroethane-d4	84.2	70-130		%Rec	1	3/22/2020 4:51:34 PM	51198
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	3/22/2020 4:51:34 PM	51198
Surr: Dibromofluoromethane	93.8	70-130		%Rec	1	3/22/2020 4:51:34 PM	51198
Surr: Toluene-d8	95.3	70-130		%Rec	1	3/22/2020 4:51:34 PM	51198

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Page 2 of 12

Analytical Report

Lab Order 2003821

Date Reported: 3/25/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-3 Bottom 2ft

Project: Devon Lusitano 27 CTR 6

Collection Date: 3/11/2020 10:35:00 AM

Lab ID: 2003821-003

Matrix: SOIL

Received Date: 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	200	60		mg/Kg	20	3/24/2020 1:07:46 AM	51279
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/23/2020 1:26:32 PM	51198
Surr: BFB	98.1	70-130		%Rec	1	3/23/2020 1:26:32 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	17	9.4		mg/Kg	1	3/23/2020 5:06:05 PM	51240
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/23/2020 5:06:05 PM	51240
Surr: DNOP	88.2	55.1-146		%Rec	1	3/23/2020 5:06:05 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	3/23/2020 1:26:32 PM	51198
Toluene	ND	0.050		mg/Kg	1	3/23/2020 1:26:32 PM	51198
Ethylbenzene	ND	0.050		mg/Kg	1	3/23/2020 1:26:32 PM	51198
Xylenes, Total	ND	0.10		mg/Kg	1	3/23/2020 1:26:32 PM	51198
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	3/23/2020 1:26:32 PM	51198
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	3/23/2020 1:26:32 PM	51198
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	3/23/2020 1:26:32 PM	51198
Surr: Toluene-d8	98.3	70-130		%Rec	1	3/23/2020 1:26:32 PM	51198

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		

Analytical Report

Lab Order 2003821

Date Reported: 3/25/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-4 Bottom 1ft

Project: Devon Lusitano 27 CTR 6

Collection Date: 3/11/2020 10:55:00 AM

Lab ID: 2003821-004

Matrix: SOIL

Received Date: 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	410	60		mg/Kg	20	3/24/2020 1:44:47 AM	51279
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/23/2020 1:55:14 PM	51198
Surr: BFB	103	70-130		%Rec	1	3/23/2020 1:55:14 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	140	9.7		mg/Kg	1	3/23/2020 5:30:31 PM	51240
Motor Oil Range Organics (MRO)	84	48		mg/Kg	1	3/23/2020 5:30:31 PM	51240
Surr: DNOP	93.0	55.1-146		%Rec	1	3/23/2020 5:30:31 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	3/23/2020 1:55:14 PM	51198
Toluene	ND	0.049		mg/Kg	1	3/23/2020 1:55:14 PM	51198
Ethylbenzene	ND	0.049		mg/Kg	1	3/23/2020 1:55:14 PM	51198
Xylenes, Total	ND	0.098		mg/Kg	1	3/23/2020 1:55:14 PM	51198
Surr: 1,2-Dichloroethane-d4	88.4	70-130		%Rec	1	3/23/2020 1:55:14 PM	51198
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	3/23/2020 1:55:14 PM	51198
Surr: Dibromofluoromethane	96.2	70-130		%Rec	1	3/23/2020 1:55:14 PM	51198
Surr: Toluene-d8	100	70-130		%Rec	1	3/23/2020 1:55:14 PM	51198

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		

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2003821**Date Reported: **3/25/2020****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** SP-5 West Wall**Project:** Devon Lusitano 27 CTR 6**Collection Date:** 3/11/2020 11:15:00 AM**Lab ID:** 2003821-005**Matrix:** SOIL**Received Date:** 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	250	60		mg/Kg	20	3/24/2020 2:21:48 AM	51279
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/23/2020 2:23:45 PM	51198
Surr: BFB	97.8	70-130		%Rec	1	3/23/2020 2:23:45 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	37	9.5		mg/Kg	1	3/23/2020 5:54:47 PM	51240
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/23/2020 5:54:47 PM	51240
Surr: DNOP	90.7	55.1-146		%Rec	1	3/23/2020 5:54:47 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	3/23/2020 2:23:45 PM	51198
Toluene	ND	0.049		mg/Kg	1	3/23/2020 2:23:45 PM	51198
Ethylbenzene	ND	0.049		mg/Kg	1	3/23/2020 2:23:45 PM	51198
Xylenes, Total	ND	0.098		mg/Kg	1	3/23/2020 2:23:45 PM	51198
Surr: 1,2-Dichloroethane-d4	83.5	70-130		%Rec	1	3/23/2020 2:23:45 PM	51198
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	3/23/2020 2:23:45 PM	51198
Surr: Dibromofluoromethane	94.8	70-130		%Rec	1	3/23/2020 2:23:45 PM	51198
Surr: Toluene-d8	98.4	70-130		%Rec	1	3/23/2020 2:23:45 PM	51198

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Analytical Report

Lab Order 2003821

Date Reported: 3/25/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-6 North Wall

Project: Devon Lusitano 27 CTR 6

Collection Date: 3/11/2020 11:35:00 AM

Lab ID: 2003821-006

Matrix: SOIL

Received Date: 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	240	60		mg/Kg	20	3/24/2020 2:34:08 AM	51279
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/23/2020 2:52:11 PM	51198
Surr: BFB	97.8	70-130		%Rec	1	3/23/2020 2:52:11 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	29	9.5		mg/Kg	1	3/23/2020 6:18:54 PM	51240
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/23/2020 6:18:54 PM	51240
Surr: DNOP	92.0	55.1-146		%Rec	1	3/23/2020 6:18:54 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	3/23/2020 2:52:11 PM	51198
Toluene	ND	0.050		mg/Kg	1	3/23/2020 2:52:11 PM	51198
Ethylbenzene	ND	0.050		mg/Kg	1	3/23/2020 2:52:11 PM	51198
Xylenes, Total	ND	0.10		mg/Kg	1	3/23/2020 2:52:11 PM	51198
Surr: 1,2-Dichloroethane-d4	88.1	70-130		%Rec	1	3/23/2020 2:52:11 PM	51198
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	3/23/2020 2:52:11 PM	51198
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	3/23/2020 2:52:11 PM	51198
Surr: Toluene-d8	98.5	70-130		%Rec	1	3/23/2020 2:52:11 PM	51198

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		

Analytical Report

Lab Order 2003821

Date Reported: 3/25/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-7 East Wall

Project: Devon Lusitano 27 CTR 6

Collection Date: 3/11/2020 11:55:00 AM

Lab ID: 2003821-007

Matrix: SOIL

Received Date: 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	240	60		mg/Kg	20	3/24/2020 2:46:29 AM	51279
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/23/2020 3:20:45 PM	51198
Surr: BFB	99.5	70-130		%Rec	1	3/23/2020 3:20:45 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	44	9.8		mg/Kg	1	3/23/2020 6:43:24 PM	51240
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/23/2020 6:43:24 PM	51240
Surr: DNOP	90.2	55.1-146		%Rec	1	3/23/2020 6:43:24 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	3/23/2020 3:20:45 PM	51198
Toluene	ND	0.050		mg/Kg	1	3/23/2020 3:20:45 PM	51198
Ethylbenzene	ND	0.050		mg/Kg	1	3/23/2020 3:20:45 PM	51198
Xylenes, Total	ND	0.10		mg/Kg	1	3/23/2020 3:20:45 PM	51198
Surr: 1,2-Dichloroethane-d4	87.2	70-130		%Rec	1	3/23/2020 3:20:45 PM	51198
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	3/23/2020 3:20:45 PM	51198
Surr: Dibromofluoromethane	96.0	70-130		%Rec	1	3/23/2020 3:20:45 PM	51198
Surr: Toluene-d8	99.1	70-130		%Rec	1	3/23/2020 3:20:45 PM	51198

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		

Page 7 of 12

Analytical Report

Lab Order 2003821

Date Reported: 3/25/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-8 Bottom 1ft

Project: Devon Lusitano 27 CTR 6

Collection Date: 3/11/2020 12:30:00 PM

Lab ID: 2003821-008

Matrix: SOIL

Received Date: 3/18/2020 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	210	60		mg/Kg	20	3/24/2020 2:58:50 AM	51279
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/23/2020 3:49:25 PM	51198
Surr: BFB	101	70-130		%Rec	1	3/23/2020 3:49:25 PM	51198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	18	9.6		mg/Kg	1	3/23/2020 7:07:28 PM	51240
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/23/2020 7:07:28 PM	51240
Surr: DNOP	93.7	55.1-146		%Rec	1	3/23/2020 7:07:28 PM	51240
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	3/23/2020 3:49:25 PM	51198
Toluene	ND	0.050		mg/Kg	1	3/23/2020 3:49:25 PM	51198
Ethylbenzene	ND	0.050		mg/Kg	1	3/23/2020 3:49:25 PM	51198
Xylenes, Total	ND	0.10		mg/Kg	1	3/23/2020 3:49:25 PM	51198
Surr: 1,2-Dichloroethane-d4	86.2	70-130		%Rec	1	3/23/2020 3:49:25 PM	51198
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	3/23/2020 3:49:25 PM	51198
Surr: Dibromofluoromethane	99.5	70-130		%Rec	1	3/23/2020 3:49:25 PM	51198
Surr: Toluene-d8	103	70-130		%Rec	1	3/23/2020 3:49:25 PM	51198

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Page 8 of 12

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

WO#: 2003821

25-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTR 6

Sample ID: MB-51270	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 51270	RunNo: 67496								
Prep Date: 3/23/2020	Analysis Date: 3/23/2020	SeqNo: 2330729	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51270	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 51270	RunNo: 67496								
Prep Date: 3/23/2020	Analysis Date: 3/23/2020	SeqNo: 2330730	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: MB-51279	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 51279	RunNo: 67496								
Prep Date: 3/23/2020	Analysis Date: 3/24/2020	SeqNo: 2330761	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51279	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 51279	RunNo: 67496								
Prep Date: 3/23/2020	Analysis Date: 3/24/2020	SeqNo: 2330762	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			

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

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

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

WO#: 2003821

25-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTR 6

Sample ID: LCS-51240	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51240	RunNo: 67492								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2329264 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.5		5.000		90.4	55.1	146			

Sample ID: MB-51240	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51240	RunNo: 67492								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2329265 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	9.7		10.00		97.4	55.1	146			

Sample ID: 2003821-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SP-1 Bottom 2ft	Batch ID: 51240	RunNo: 67492								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2330110 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	100	9.8	48.88	61.25	82.9	47.4	136			
Surr: DNOP	4.6		4.888		93.1	55.1	146			

Sample ID: 2003821-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SP-1 Bottom 2ft	Batch ID: 51240	RunNo: 67492								
Prep Date: 3/20/2020	Analysis Date: 3/23/2020	SeqNo: 2330111 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	72	9.3	46.55	61.25	22.5	47.4	136	34.7	43.4	S
Surr: DNOP	4.1		4.655		88.6	55.1	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2003821

25-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTR 6

Sample ID: ics-51198	SampType: LCS4			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batch ID: 51198			RunNo: 67474						
Prep Date: 3/18/2020	Analysis Date: 3/22/2020			SeqNo: 2328460	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	92.0	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.0	70	130			
Surr: Toluene-d8	0.50		0.5000		99.1	70	130			

Sample ID: mb-51198	SampType: MBLK			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batch ID: 51198			RunNo: 67474						
Prep Date: 3/18/2020	Analysis Date: 3/22/2020			SeqNo: 2328462	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: 1,2-Dichloroethane-d4	0.44		0.5000		88.2	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.5	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		97.7	70	130			
Surr: Toluene-d8	0.50		0.5000		99.1	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

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

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

WO#: 2003821

25-Mar-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27 CTR 6

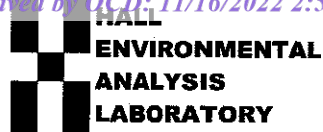
Sample ID: lcs-51198	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS	Batch ID: 51198			RunNo: 67474						
Prep Date: 3/18/2020	Analysis Date: 3/22/2020			SeqNo: 2328611		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.9	70	130			
Surr: BFB	510		500.0		101	70	130			

Sample ID: mb-51198	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: PBS	Batch ID: 51198			RunNo: 67474						
Prep Date: 3/18/2020	Analysis Date: 3/22/2020			SeqNo: 2328613		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	490		500.0		98.4	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

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



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: Safety Env Solutions

Work Order Number: 2003821

RcptNo: 1

Received By: Yazmine Garduno 3/18/2020 8:05:00 AM

Completed By: Isaiah Ortiz 3/18/2020 11:33:25 AM

Reviewed By: *JO*

3/18/20

*Yazmine Garduno**IO*

Chain of Custody

1. Is Chain of Custody sufficiently 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: *JR 3/18/20*

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Not Present			
2	3.8	Good	Not Present			

Chain-of-Custody Record

Client: Self-InspectionMailing Address: 703 G ClintonPhone #: 575-397-0510

email or Fax#:

QA/QC Package:

☒ Standard
 ☐ Level 4 (Full Validation)

 Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Date Time Matrix Sample Name

8/11 1005 S SP-1 Bottom 2ft

1015 S SP-2 Bottom 2ft

1035 S SP-3 Bottom 2ft

1055 S SP-4 Bottom 1ft

1115 S SP-5 water

1135 S SP-6 water

1155 S SP-7 water

1230 S SP-8 Bottom 1ft

Date Time Relinquished by:

 8/16 0900 Don Fury

Date Time Relinquished by:

 8/17 1900 Don Fury

Turn-Around Time:

☒ Standard ☐ Rush

 Project Name: Devon
WSTARS 27 CTB 6

Project #:

Dev-20-001

Project Manager:

Bob Allen

 Sampler: Don Fury

 On Ice: ☒ Yes ☐ No

 # of Coolers: 2

 Cooler Temp (including CF): 34.0-38.0 (°C)

Container Type and #

Preservative Type

HEAL No.

2003821
Ice
None
-001
-002
-003
-004
-005
-006
-007
-008

Analysis Request

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, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

X

X

X

X

X

X

X

X

X

X

X

X

Remarks:

Bill Devon directly

Incident ID	NAB1914057197
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: _____ Date: _____

Printed Name: _____ Title: _____

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 159475

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 159475
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAB1914057197 LUSITANO 27 CTB 6, thank you. This closure is approved.	2/14/2023