

**Devon Energy Production Company
LUSITANO 27-34 FED COM #333H**

**Closure Report
Unit Letter C, Section 27, T25S, R31E
Eddy County, New Mexico**

nAB1913036331

2RP-5400

pAB1913035887

30-015-45652

July 1, 2020



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
Tom Bynum	Devon Energy	580-748-1613	Tom.Bynum@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 on the Lusitano 27-34 Fed Com #333H concerning a 29 bbls release of produced water. This site is situated in Eddy County, Section 27, Township 23S, and Range 31E.

According to the C-141, approximately 29 bbls of produced water was released due to a split water transfer line. No fluids were recovered. Devon contacted SESI to do an assessment on the spill to determine if remediation was necessary. Due to the age of the release, Devon was unsure if this spill had been cleaned up because an investigation into the release revealed that neither a remediation plan or closure plan had been submitted to NMOCD. Therefore, SESI personnel performed an assessment and delineation of the leak.

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 400' 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

On June 10, 2020, SESI performed a site assessment, mapped the leak area based on generator knowledge, and sampled the entire area. SESI advanced 14 auger holes and obtained samples at the surface and several other depths to determine vertical and horizontal extent. The samples were properly packaged and preserved and sent to Hall Environmental Laboratory for analysis. You will notice that the samples start with AH7 instead of AH1. This was simply a mapping mistake (sample point numbering) while using the Juno to pinpoint the sample locations. The results of the sampling event are summarized in the table below:

Closure Request

Based on the results of the sampling event, SESI along with Devon believe this site is clean and does not require remediation. Consequently, no volume of material will be removed because the closure criteria has been met and there will not be a schedule of remediation activities, nor will there be any remediation photos. Therefore, SESI, on behalf of Devon Energy respectfully requests closure approval.

Supplemental Documentation for Closure

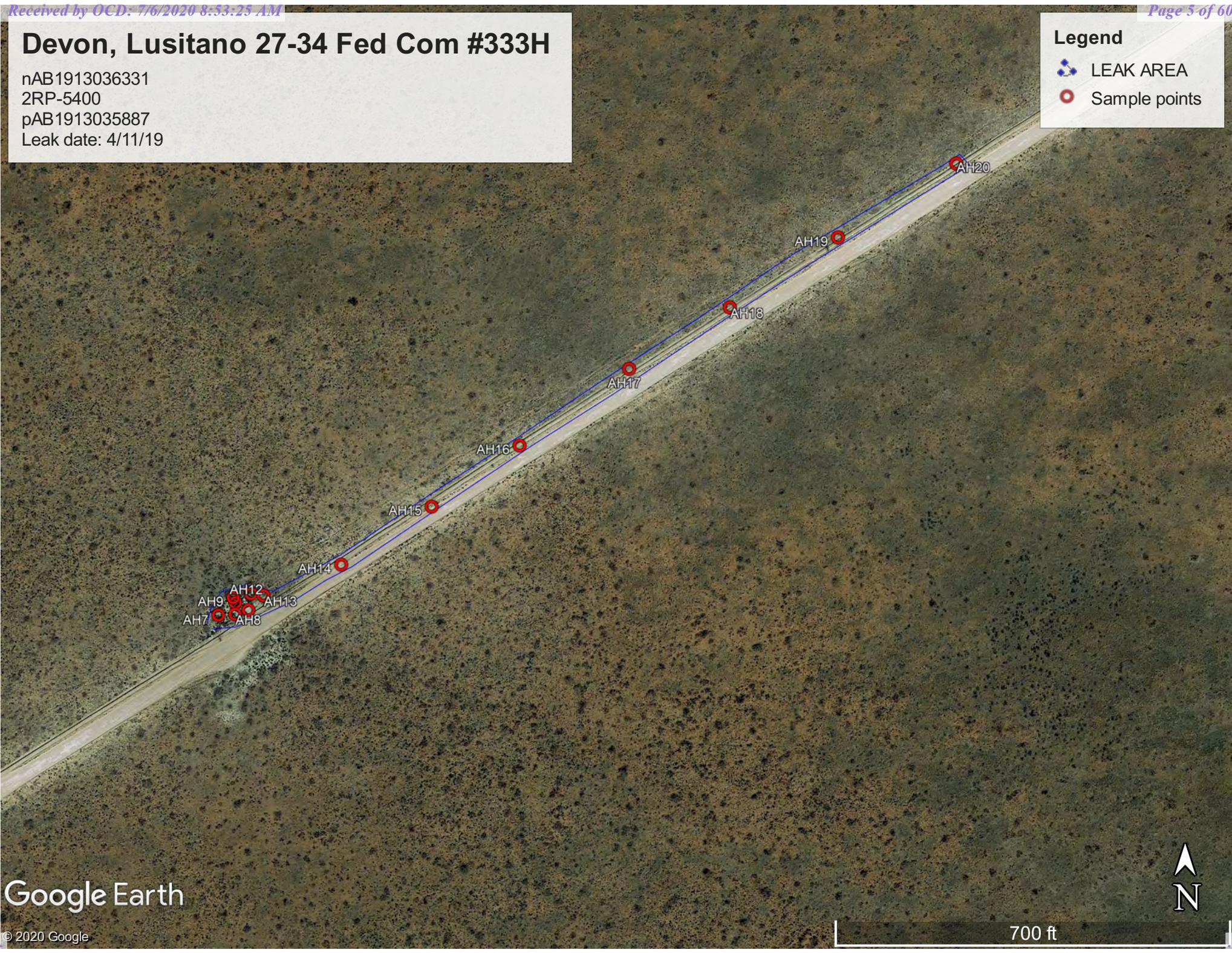
Map of Release with sample locations
NMOCD Oil and Gas Map
BLM Cave Karst Map
FEMA Map
Laboratory Analysis 6/10/20-6/11/20
C-141, pages 3-6

Devon, Lusitano 27-34 Fed Com #333H

nAB1913036331
2RP-5400
pAB1913035887
Leak date: 4/11/19

Legend

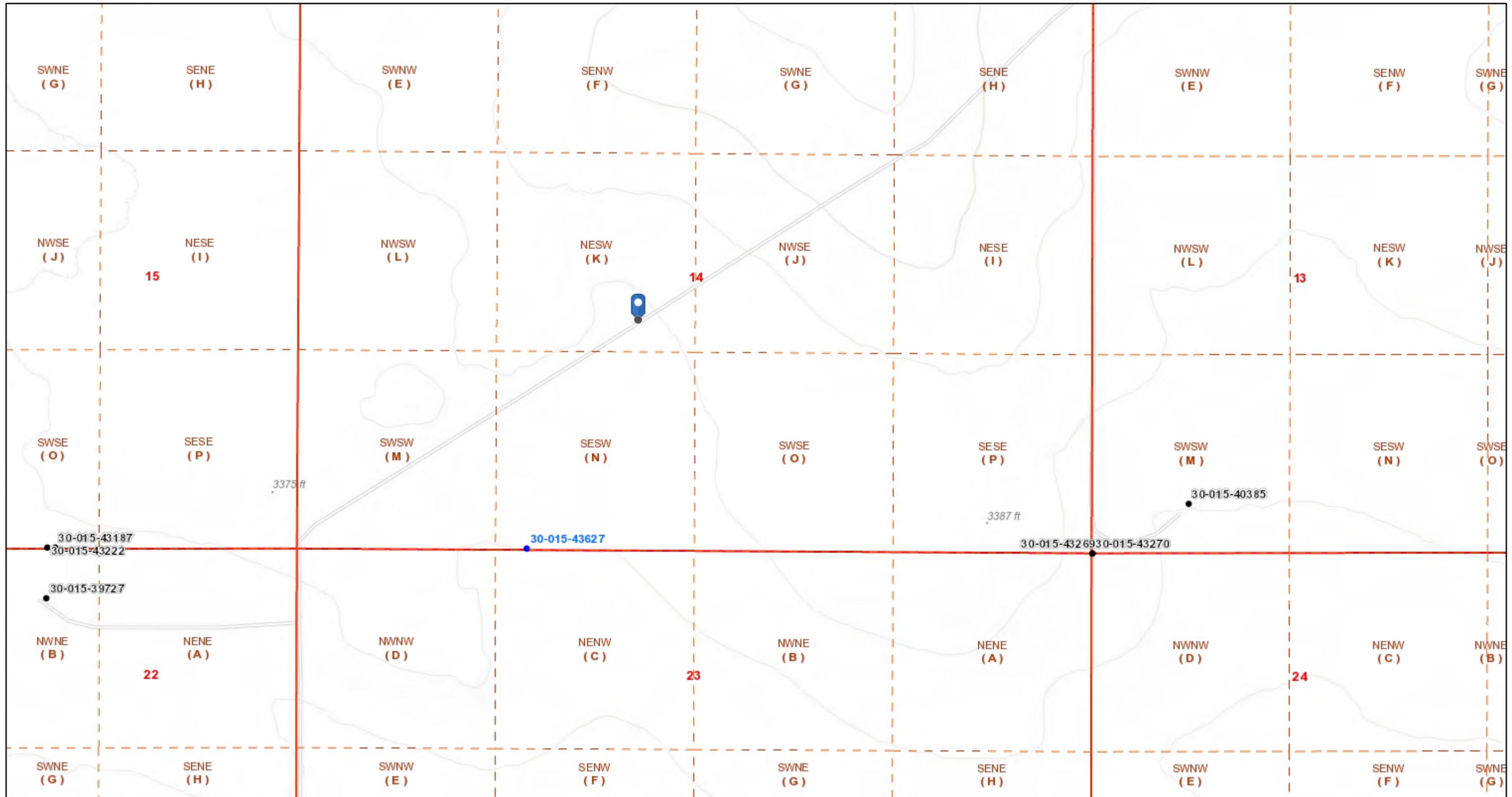
-  LEAK AREA
-  Sample points



Google Earth



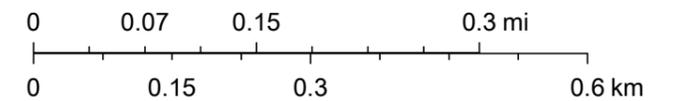
Devon, Lusitano 27-34 Fed Com #333H



7/1/2020, 8:36:26 AM

- | | | | | |
|---------------------|------------------------------|------------------------------------|-----------------------------------|-----------------------------------------------|
| Wells - Large Scale | ✱ CO2, Temporarily Abandoned | 📍 Injection, Active | ● Oil, Cancelled | ▲ Salt Water Injection, New |
| ? undefined | ✱ Gas, Active | 📍 Injection, Cancelled | ● Oil, New | ▲ Salt Water Injection, Plugged |
| 📍 Miscellaneous | ✱ Gas, Cancelled | 📍 Injection, New | ● Oil, Plugged | ▲ Salt Water Injection, Temporarily Abandoned |
| ✱ CO2, Active | ✱ Gas, New | 📍 Injection, Plugged | ● Oil, Temporarily Abandoned | ◆ Water, Active |
| ✱ CO2, Cancelled | ✱ Gas, Plugged | 📍 Injection, Temporarily Abandoned | ▲ Salt Water Injection, Active | ● Water, Cancelled |
| ✱ CO2, New | ✱ Gas, Temporarily Abandoned | ● Oil, Active | ▲ Salt Water Injection, Cancelled | ◆ Water, New |
| ✱ CO2, Plugged | | | | |

1:9,028



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

Devon, Lusitano 27-34 Fed Com #333H

30-015-45652

Legend

-  Low potential
-  LUSITANO 27-34 FED COM #333H

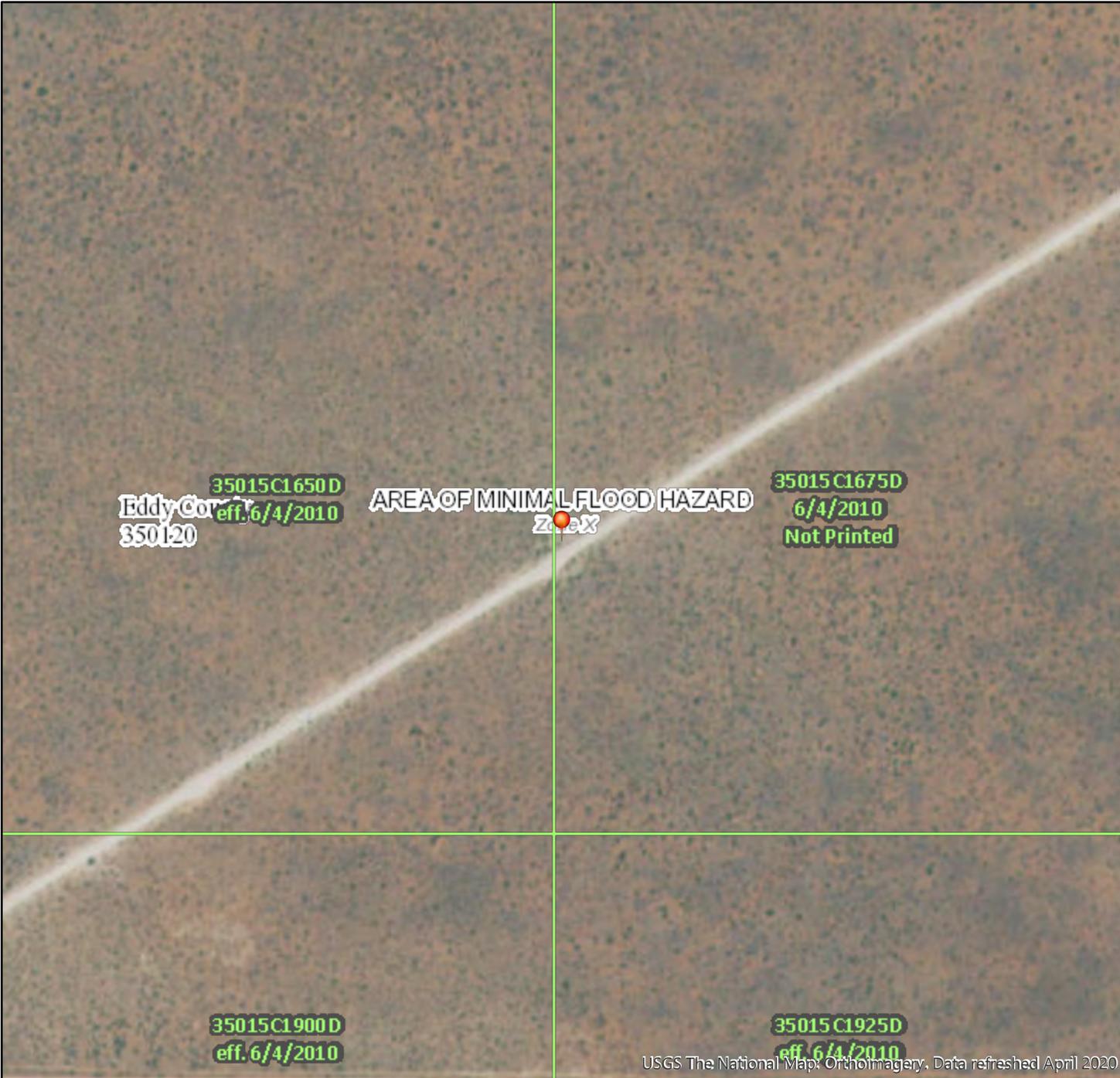
 LUSITANO 27-34 FED COM #333H



National Flood Hazard Layer FIRMette



103 4518'W 32 754'N



Legend

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

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

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

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

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

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



USGS The National Map: Orthoimagery. Data refreshed April 2020

103 4441'W 32 723'N

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **7/1/2020 at 10:42 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



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

June 23, 2020

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

RE: Devon Lusitano 27-34 Fed 333H

OrderNo.: 2006856

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 35 sample(s) on 6/17/2020 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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 10:15:00 AM

Lab ID: 2006856-001

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 12:05:05 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	6/19/2020 11:01:26 AM	53131
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 11:01:26 AM	53131
Surr: DNOP	95.1	55.1-146		%Rec	1	6/19/2020 11:01:26 AM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 1:38:43 PM	53127
Surr: BFB	82.9	66.6-105		%Rec	1	6/18/2020 1:38:43 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 1:38:43 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 1:38:43 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 1:38:43 PM	53127
Xylenes, Total	ND	0.096		mg/Kg	1	6/18/2020 1:38:43 PM	53127
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/18/2020 1:38:43 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 10:45:00 AM

Lab ID: 2006856-002

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	100	60		mg/Kg	20	6/22/2020 12:17:29 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/19/2020 11:11:26 AM	53131
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 11:11:26 AM	53131
Surr: DNOP	94.5	55.1-146		%Rec	1	6/19/2020 11:11:26 AM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/18/2020 2:49:46 PM	53127
Surr: BFB	84.0	66.6-105		%Rec	1	6/18/2020 2:49:46 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 2:49:46 PM	53127
Toluene	ND	0.049		mg/Kg	1	6/18/2020 2:49:46 PM	53127
Ethylbenzene	ND	0.049		mg/Kg	1	6/18/2020 2:49:46 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 2:49:46 PM	53127
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/18/2020 2:49:46 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 3ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 11:10:00 AM

Lab ID: 2006856-003

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 12:29:53 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/19/2020 11:21:29 AM	53131
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 11:21:29 AM	53131
Surr: DNOP	112	55.1-146		%Rec	1	6/19/2020 11:21:29 AM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 3:13:24 PM	53127
Surr: BFB	86.9	66.6-105		%Rec	1	6/18/2020 3:13:24 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 3:13:24 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 3:13:24 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 3:13:24 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 3:13:24 PM	53127
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	6/18/2020 3:13:24 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 11:25:00 AM

Lab ID: 2006856-004

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	71	60		mg/Kg	20	6/22/2020 12:42:18 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/19/2020 11:31:34 AM	53131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 11:31:34 AM	53131
Surr: DNOP	89.6	55.1-146		%Rec	1	6/19/2020 11:31:34 AM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2020 3:37:08 PM	53127
Surr: BFB	84.0	66.6-105		%Rec	1	6/18/2020 3:37:08 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/18/2020 3:37:08 PM	53127
Toluene	ND	0.046		mg/Kg	1	6/18/2020 3:37:08 PM	53127
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2020 3:37:08 PM	53127
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2020 3:37:08 PM	53127
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/18/2020 3:37:08 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 11:45:00 AM

Lab ID: 2006856-005

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 1:19:32 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	6/19/2020 11:41:42 AM	53131
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/19/2020 11:41:42 AM	53131
Surr: DNOP	88.4	55.1-146		%Rec	1	6/19/2020 11:41:42 AM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/18/2020 4:00:57 PM	53127
Surr: BFB	85.6	66.6-105		%Rec	1	6/18/2020 4:00:57 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 4:00:57 PM	53127
Toluene	ND	0.049		mg/Kg	1	6/18/2020 4:00:57 PM	53127
Ethylbenzene	ND	0.049		mg/Kg	1	6/18/2020 4:00:57 PM	53127
Xylenes, Total	ND	0.098		mg/Kg	1	6/18/2020 4:00:57 PM	53127
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/18/2020 4:00:57 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 4ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 12:15:00 AM

Lab ID: 2006856-006

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 1:31:56 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 11:51:51 AM	53131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 11:51:51 AM	53131
Surr: DNOP	91.1	55.1-146		%Rec	1	6/19/2020 11:51:51 AM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 4:24:36 PM	53127
Surr: BFB	85.4	66.6-105		%Rec	1	6/18/2020 4:24:36 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 4:24:36 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 4:24:36 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 4:24:36 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 4:24:36 PM	53127
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	6/18/2020 4:24:36 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-9 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 12:35:00 PM

Lab ID: 2006856-007

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 1:44:20 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/19/2020 12:02:00 PM	53131
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 12:02:00 PM	53131
Surr: DNOP	84.2	55.1-146		%Rec	1	6/19/2020 12:02:00 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2020 4:48:13 PM	53127
Surr: BFB	84.3	66.6-105		%Rec	1	6/18/2020 4:48:13 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/18/2020 4:48:13 PM	53127
Toluene	ND	0.047		mg/Kg	1	6/18/2020 4:48:13 PM	53127
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2020 4:48:13 PM	53127
Xylenes, Total	ND	0.094		mg/Kg	1	6/18/2020 4:48:13 PM	53127
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/18/2020 4:48:13 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-9 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 1:00:00 PM

Lab ID: 2006856-008

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 1:56:44 AM	53209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2020 12:12:11 PM	53131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 12:12:11 PM	53131
Surr: DNOP	94.2	55.1-146		%Rec	1	6/19/2020 12:12:11 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 5:11:53 PM	53127
Surr: BFB	83.5	66.6-105		%Rec	1	6/18/2020 5:11:53 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 5:11:53 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 5:11:53 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 5:11:53 PM	53127
Xylenes, Total	ND	0.096		mg/Kg	1	6/18/2020 5:11:53 PM	53127
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/18/2020 5:11:53 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-9 4ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 1:35:00 PM

Lab ID: 2006856-009

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	59		mg/Kg	20	6/22/2020 2:33:57 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/19/2020 12:22:27 PM	53131
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 12:22:27 PM	53131
Surr: DNOP	95.3	55.1-146		%Rec	1	6/19/2020 12:22:27 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 5:35:35 PM	53127
Surr: BFB	85.1	66.6-105		%Rec	1	6/18/2020 5:35:35 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 5:35:35 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 5:35:35 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 5:35:35 PM	53127
Xylenes, Total	ND	0.096		mg/Kg	1	6/18/2020 5:35:35 PM	53127
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/18/2020 5:35:35 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-10 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 1:50:00 PM

Lab ID: 2006856-010

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	61	60		mg/Kg	20	6/22/2020 3:11:12 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 12:32:37 PM	53131
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 12:32:37 PM	53131
Surr: DNOP	77.1	55.1-146		%Rec	1	6/19/2020 12:32:37 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2020 7:10:32 PM	53127
Surr: BFB	84.4	66.6-105		%Rec	1	6/18/2020 7:10:32 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/18/2020 7:10:32 PM	53127
Toluene	ND	0.046		mg/Kg	1	6/18/2020 7:10:32 PM	53127
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2020 7:10:32 PM	53127
Xylenes, Total	ND	0.092		mg/Kg	1	6/18/2020 7:10:32 PM	53127
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/18/2020 7:10:32 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-10 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 2:20:00 PM

Lab ID: 2006856-011

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 4:13:15 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/19/2020 12:42:52 PM	53131
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/19/2020 12:42:52 PM	53131
Surr: DNOP	76.0	55.1-146		%Rec	1	6/19/2020 12:42:52 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 7:34:11 PM	53127
Surr: BFB	85.4	66.6-105		%Rec	1	6/18/2020 7:34:11 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 7:34:11 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 7:34:11 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 7:34:11 PM	53127
Xylenes, Total	ND	0.096		mg/Kg	1	6/18/2020 7:34:11 PM	53127
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/18/2020 7:34:11 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-10 4ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/10/2020 2:45:00 PM

Lab ID: 2006856-012

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 4:25:40 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/19/2020 12:53:05 PM	53131
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 12:53:05 PM	53131
Surr: DNOP	74.7	55.1-146		%Rec	1	6/19/2020 12:53:05 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 7:57:51 PM	53127
Surr: BFB	84.9	66.6-105		%Rec	1	6/18/2020 7:57:51 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 7:57:51 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 7:57:51 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 7:57:51 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 7:57:51 PM	53127
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	6/18/2020 7:57:51 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-11 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 9:30:00 AM

Lab ID: 2006856-013

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	6/22/2020 4:38:05 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/19/2020 1:03:21 PM	53131
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 1:03:21 PM	53131
Surr: DNOP	80.4	55.1-146		%Rec	1	6/19/2020 1:03:21 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2020 8:21:29 PM	53127
Surr: BFB	85.8	66.6-105		%Rec	1	6/18/2020 8:21:29 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/18/2020 8:21:29 PM	53127
Toluene	ND	0.046		mg/Kg	1	6/18/2020 8:21:29 PM	53127
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2020 8:21:29 PM	53127
Xylenes, Total	ND	0.092		mg/Kg	1	6/18/2020 8:21:29 PM	53127
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	6/18/2020 8:21:29 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-11 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 10:00:00 AM

Lab ID: 2006856-014

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	66	60		mg/Kg	20	6/22/2020 4:50:30 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2020 1:13:42 PM	53131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 1:13:42 PM	53131
Surr: DNOP	75.6	55.1-146		%Rec	1	6/19/2020 1:13:42 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/18/2020 8:45:06 PM	53127
Surr: BFB	84.6	66.6-105		%Rec	1	6/18/2020 8:45:06 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/18/2020 8:45:06 PM	53127
Toluene	ND	0.049		mg/Kg	1	6/18/2020 8:45:06 PM	53127
Ethylbenzene	ND	0.049		mg/Kg	1	6/18/2020 8:45:06 PM	53127
Xylenes, Total	ND	0.099		mg/Kg	1	6/18/2020 8:45:06 PM	53127
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	6/18/2020 8:45:06 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-11 4ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 10:25:00 AM

Lab ID: 2006856-015

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 5:02:54 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/19/2020 1:23:59 PM	53131
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 1:23:59 PM	53131
Surr: DNOP	77.8	55.1-146		%Rec	1	6/19/2020 1:23:59 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2020 9:08:37 PM	53127
Surr: BFB	80.6	66.6-105		%Rec	1	6/18/2020 9:08:37 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/18/2020 9:08:37 PM	53127
Toluene	ND	0.047		mg/Kg	1	6/18/2020 9:08:37 PM	53127
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2020 9:08:37 PM	53127
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2020 9:08:37 PM	53127
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/18/2020 9:08:37 PM	53127

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-12 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 10:35:00 AM

Lab ID: 2006856-016

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 5:15:19 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/19/2020 1:34:30 PM	53131
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/19/2020 1:34:30 PM	53131
Surr: DNOP	78.3	55.1-146		%Rec	1	6/19/2020 1:34:30 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2020 9:32:06 PM	53127
Surr: BFB	83.4	66.6-105		%Rec	1	6/18/2020 9:32:06 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/18/2020 9:32:06 PM	53127
Toluene	ND	0.046		mg/Kg	1	6/18/2020 9:32:06 PM	53127
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2020 9:32:06 PM	53127
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2020 9:32:06 PM	53127
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/18/2020 9:32:06 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-12 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 11:05:00 AM

Lab ID: 2006856-017

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	98	60		mg/Kg	20	6/22/2020 5:27:44 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/19/2020 1:44:55 PM	53131
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/19/2020 1:44:55 PM	53131
Surr: DNOP	77.8	55.1-146		%Rec	1	6/19/2020 1:44:55 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 9:55:33 PM	53127
Surr: BFB	82.0	66.6-105		%Rec	1	6/18/2020 9:55:33 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 9:55:33 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 9:55:33 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 9:55:33 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 9:55:33 PM	53127
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/18/2020 9:55:33 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-12 3ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 11:15:00 AM

Lab ID: 2006856-018

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	81	60		mg/Kg	20	6/22/2020 5:40:08 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2020 1:55:24 PM	53131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 1:55:24 PM	53131
Surr: DNOP	101	55.1-146		%Rec	1	6/19/2020 1:55:24 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 10:19:04 PM	53127
Surr: BFB	84.4	66.6-105		%Rec	1	6/18/2020 10:19:04 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 10:19:04 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 10:19:04 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 10:19:04 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 10:19:04 PM	53127
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/18/2020 10:19:04 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-13 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 11:20:00 AM

Lab ID: 2006856-019

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 6:17:22 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/19/2020 2:05:52 PM	53131
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 2:05:52 PM	53131
Surr: DNOP	83.4	55.1-146		%Rec	1	6/19/2020 2:05:52 PM	53131
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2020 10:42:52 PM	53127
Surr: BFB	79.0	66.6-105		%Rec	1	6/18/2020 10:42:52 PM	53127
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/18/2020 10:42:52 PM	53127
Toluene	ND	0.048		mg/Kg	1	6/18/2020 10:42:52 PM	53127
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2020 10:42:52 PM	53127
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2020 10:42:52 PM	53127
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/18/2020 10:42:52 PM	53127

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-13 2ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 11:45:00 AM

Lab ID: 2006856-020

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 6:29:46 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/19/2020 4:57:52 PM	53135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 4:57:52 PM	53135
Surr: DNOP	92.8	55.1-146		%Rec	1	6/19/2020 4:57:52 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/19/2020 1:04:21 AM	53132
Surr: BFB	81.2	66.6-105		%Rec	1	6/19/2020 1:04:21 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 1:04:21 AM	53132
Toluene	ND	0.047		mg/Kg	1	6/19/2020 1:04:21 AM	53132
Ethylbenzene	ND	0.047		mg/Kg	1	6/19/2020 1:04:21 AM	53132
Xylenes, Total	ND	0.095		mg/Kg	1	6/19/2020 1:04:21 AM	53132
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/19/2020 1:04:21 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-13 3ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 12:10:00 PM

Lab ID: 2006856-021

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	84	60		mg/Kg	20	6/22/2020 6:42:11 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/19/2020 5:08:03 PM	53135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 5:08:03 PM	53135
Surr: DNOP	103	55.1-146		%Rec	1	6/19/2020 5:08:03 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2020 2:15:22 AM	53132
Surr: BFB	78.9	66.6-105		%Rec	1	6/19/2020 2:15:22 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 2:15:22 AM	53132
Toluene	ND	0.048		mg/Kg	1	6/19/2020 2:15:22 AM	53132
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2020 2:15:22 AM	53132
Xylenes, Total	ND	0.095		mg/Kg	1	6/19/2020 2:15:22 AM	53132
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/19/2020 2:15:22 AM	53132

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-14 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 1:00:00 PM

Lab ID: 2006856-022

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 6:54:35 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2020 5:18:20 PM	53135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 5:18:20 PM	53135
Surr: DNOP	128	55.1-146		%Rec	1	6/19/2020 5:18:20 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/19/2020 3:26:30 AM	53132
Surr: BFB	81.1	66.6-105		%Rec	1	6/19/2020 3:26:30 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 3:26:30 AM	53132
Toluene	ND	0.049		mg/Kg	1	6/19/2020 3:26:30 AM	53132
Ethylbenzene	ND	0.049		mg/Kg	1	6/19/2020 3:26:30 AM	53132
Xylenes, Total	ND	0.098		mg/Kg	1	6/19/2020 3:26:30 AM	53132
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/19/2020 3:26:30 AM	53132

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-14 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 1:10:00 PM

Lab ID: 2006856-023

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 7:07:00 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 5:28:45 PM	53135
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 5:28:45 PM	53135
Surr: DNOP	96.4	55.1-146		%Rec	1	6/19/2020 5:28:45 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2020 3:49:57 AM	53132
Surr: BFB	85.0	66.6-105		%Rec	1	6/19/2020 3:49:57 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 3:49:57 AM	53132
Toluene	ND	0.048		mg/Kg	1	6/19/2020 3:49:57 AM	53132
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2020 3:49:57 AM	53132
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2020 3:49:57 AM	53132
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/19/2020 3:49:57 AM	53132

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-15 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 1:25:00 PM

Lab ID: 2006856-024

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 7:19:24 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 5:39:14 PM	53135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 5:39:14 PM	53135
Surr: DNOP	91.8	55.1-146		%Rec	1	6/19/2020 5:39:14 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/19/2020 4:13:17 AM	53132
Surr: BFB	84.0	66.6-105		%Rec	1	6/19/2020 4:13:17 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/19/2020 4:13:17 AM	53132
Toluene	ND	0.050		mg/Kg	1	6/19/2020 4:13:17 AM	53132
Ethylbenzene	ND	0.050		mg/Kg	1	6/19/2020 4:13:17 AM	53132
Xylenes, Total	ND	0.10		mg/Kg	1	6/19/2020 4:13:17 AM	53132
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	6/19/2020 4:13:17 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-15 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 1:35:00 PM

Lab ID: 2006856-025

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 7:31:49 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2020 5:49:41 PM	53135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 5:49:41 PM	53135
Surr: DNOP	132	55.1-146		%Rec	1	6/19/2020 5:49:41 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2020 4:36:42 AM	53132
Surr: BFB	82.5	66.6-105		%Rec	1	6/19/2020 4:36:42 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 4:36:42 AM	53132
Toluene	ND	0.048		mg/Kg	1	6/19/2020 4:36:42 AM	53132
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2020 4:36:42 AM	53132
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2020 4:36:42 AM	53132
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/19/2020 4:36:42 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-16 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 1:50:00 PM

Lab ID: 2006856-026

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 7:44:13 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/19/2020 6:00:11 PM	53135
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 6:00:11 PM	53135
Surr: DNOP	100	55.1-146		%Rec	1	6/19/2020 6:00:11 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2020 5:00:13 AM	53132
Surr: BFB	83.0	66.6-105		%Rec	1	6/19/2020 5:00:13 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 5:00:13 AM	53132
Toluene	ND	0.048		mg/Kg	1	6/19/2020 5:00:13 AM	53132
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2020 5:00:13 AM	53132
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2020 5:00:13 AM	53132
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/19/2020 5:00:13 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-16 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 2:00:00 PM

Lab ID: 2006856-027

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 7:56:38 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/19/2020 6:10:42 PM	53135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 6:10:42 PM	53135
Surr: DNOP	104	55.1-146		%Rec	1	6/19/2020 6:10:42 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2020 5:23:43 AM	53132
Surr: BFB	82.1	66.6-105		%Rec	1	6/19/2020 5:23:43 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 5:23:43 AM	53132
Toluene	ND	0.048		mg/Kg	1	6/19/2020 5:23:43 AM	53132
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2020 5:23:43 AM	53132
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2020 5:23:43 AM	53132
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/19/2020 5:23:43 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-17 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 2:10:00 PM

Lab ID: 2006856-028

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/22/2020 8:09:03 AM	53211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 6:21:14 PM	53135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 6:21:14 PM	53135
Surr: DNOP	97.6	55.1-146		%Rec	1	6/19/2020 6:21:14 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/19/2020 5:47:24 AM	53132
Surr: BFB	81.6	66.6-105		%Rec	1	6/19/2020 5:47:24 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 5:47:24 AM	53132
Toluene	ND	0.049		mg/Kg	1	6/19/2020 5:47:24 AM	53132
Ethylbenzene	ND	0.049		mg/Kg	1	6/19/2020 5:47:24 AM	53132
Xylenes, Total	ND	0.097		mg/Kg	1	6/19/2020 5:47:24 AM	53132
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/19/2020 5:47:24 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-17 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 2:25:00 PM

Lab ID: 2006856-029

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	67	60		mg/Kg	20	6/22/2020 11:06:46 AM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2020 6:31:59 PM	53135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 6:31:59 PM	53135
Surr: DNOP	109	55.1-146		%Rec	1	6/19/2020 6:31:59 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/19/2020 6:10:55 AM	53132
Surr: BFB	80.1	66.6-105		%Rec	1	6/19/2020 6:10:55 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/19/2020 6:10:55 AM	53132
Toluene	ND	0.050		mg/Kg	1	6/19/2020 6:10:55 AM	53132
Ethylbenzene	ND	0.050		mg/Kg	1	6/19/2020 6:10:55 AM	53132
Xylenes, Total	ND	0.10		mg/Kg	1	6/19/2020 6:10:55 AM	53132
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/19/2020 6:10:55 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-18 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 2:35:00 PM

Lab ID: 2006856-030

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	6/22/2020 11:43:49 AM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/19/2020 6:42:38 PM	53135
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 6:42:38 PM	53135
Surr: DNOP	111	55.1-146		%Rec	1	6/19/2020 6:42:38 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/19/2020 11:47:25 AM	53132
Surr: BFB	81.1	66.6-105		%Rec	1	6/19/2020 11:47:25 AM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 11:47:25 AM	53132
Toluene	ND	0.049		mg/Kg	1	6/19/2020 11:47:25 AM	53132
Ethylbenzene	ND	0.049		mg/Kg	1	6/19/2020 11:47:25 AM	53132
Xylenes, Total	ND	0.098		mg/Kg	1	6/19/2020 11:47:25 AM	53132
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/19/2020 11:47:25 AM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-18 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 2:50:00 PM

Lab ID: 2006856-031

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	6/22/2020 11:56:10 AM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 6:53:17 PM	53135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 6:53:17 PM	53135
Surr: DNOP	116	55.1-146		%Rec	1	6/19/2020 6:53:17 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2020 12:10:58 PM	53132
Surr: BFB	83.9	66.6-105		%Rec	1	6/19/2020 12:10:58 PM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 12:10:58 PM	53132
Toluene	ND	0.048		mg/Kg	1	6/19/2020 12:10:58 PM	53132
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2020 12:10:58 PM	53132
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2020 12:10:58 PM	53132
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/19/2020 12:10:58 PM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-19 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 3:00:00 PM

Lab ID: 2006856-032

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	6/22/2020 12:08:31 PM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/19/2020 7:03:55 PM	53135
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/19/2020 7:03:55 PM	53135
Surr: DNOP	91.1	55.1-146		%Rec	1	6/19/2020 7:03:55 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/19/2020 12:34:31 PM	53132
Surr: BFB	78.4	66.6-105		%Rec	1	6/19/2020 12:34:31 PM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 12:34:31 PM	53132
Toluene	ND	0.049		mg/Kg	1	6/19/2020 12:34:31 PM	53132
Ethylbenzene	ND	0.049		mg/Kg	1	6/19/2020 12:34:31 PM	53132
Xylenes, Total	ND	0.098		mg/Kg	1	6/19/2020 12:34:31 PM	53132
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/19/2020 12:34:31 PM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-19 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 3:10:00 PM

Lab ID: 2006856-033

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	6/22/2020 12:45:32 PM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/19/2020 7:14:30 PM	53135
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2020 7:14:30 PM	53135
Surr: DNOP	100	55.1-146		%Rec	1	6/19/2020 7:14:30 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/19/2020 12:58:03 PM	53132
Surr: BFB	82.3	66.6-105		%Rec	1	6/19/2020 12:58:03 PM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/19/2020 12:58:03 PM	53132
Toluene	ND	0.046		mg/Kg	1	6/19/2020 12:58:03 PM	53132
Ethylbenzene	ND	0.046		mg/Kg	1	6/19/2020 12:58:03 PM	53132
Xylenes, Total	ND	0.092		mg/Kg	1	6/19/2020 12:58:03 PM	53132
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/19/2020 12:58:03 PM	53132

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 2006856

Date Reported: 6/23/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-20 Surface

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 3:20:00 PM

Lab ID: 2006856-034

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	6/22/2020 12:57:53 PM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/19/2020 7:25:04 PM	53135
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/19/2020 7:25:04 PM	53135
Surr: DNOP	96.1	55.1-146		%Rec	1	6/19/2020 7:25:04 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/19/2020 1:21:38 PM	53132
Surr: BFB	83.2	66.6-105		%Rec	1	6/19/2020 1:21:38 PM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 1:21:38 PM	53132
Toluene	ND	0.047		mg/Kg	1	6/19/2020 1:21:38 PM	53132
Ethylbenzene	ND	0.047		mg/Kg	1	6/19/2020 1:21:38 PM	53132
Xylenes, Total	ND	0.095		mg/Kg	1	6/19/2020 1:21:38 PM	53132
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	6/19/2020 1:21:38 PM	53132

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 **2006856**

Date Reported: **6/23/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-20 1ft

Project: Devon Lusitano 27-34 Fed 333H

Collection Date: 6/11/2020 3:30:00 PM

Lab ID: 2006856-035

Matrix: SOIL

Received Date: 6/17/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	6/22/2020 1:10:14 PM	53218
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/19/2020 7:35:37 PM	53135
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2020 7:35:37 PM	53135
Surr: DNOP	95.2	55.1-146		%Rec	1	6/19/2020 7:35:37 PM	53135
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/19/2020 1:45:19 PM	53132
Surr: BFB	85.8	66.6-105		%Rec	1	6/19/2020 1:45:19 PM	53132
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2020 1:45:19 PM	53132
Toluene	ND	0.047		mg/Kg	1	6/19/2020 1:45:19 PM	53132
Ethylbenzene	ND	0.047		mg/Kg	1	6/19/2020 1:45:19 PM	53132
Xylenes, Total	ND	0.094		mg/Kg	1	6/19/2020 1:45:19 PM	53132
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	6/19/2020 1:45:19 PM	53132

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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27-34 Fed 333H

Sample ID: MB-53209	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53209	RunNo: 69792								
Prep Date: 6/21/2020	Analysis Date: 6/21/2020	SeqNo: 2423510	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53209	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53209	RunNo: 69792								
Prep Date: 6/21/2020	Analysis Date: 6/21/2020	SeqNo: 2423511	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: MB-53211	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53211	RunNo: 69792								
Prep Date: 6/21/2020	Analysis Date: 6/22/2020	SeqNo: 2423542	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53211	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53211	RunNo: 69792								
Prep Date: 6/21/2020	Analysis Date: 6/22/2020	SeqNo: 2423543	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.7	90	110			

Sample ID: MB-53218	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53218	RunNo: 69820								
Prep Date: 6/22/2020	Analysis Date: 6/22/2020	SeqNo: 2424460	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53218	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53218	RunNo: 69820								
Prep Date: 6/22/2020	Analysis Date: 6/22/2020	SeqNo: 2424461	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27-34 Fed 333H

Sample ID: LCS-53131	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53131	RunNo: 69757								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2421836	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	70	130			
Surr: DNOP	5.5		5.000		110	55.1	146			

Sample ID: MB-53131	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53131	RunNo: 69757								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2421838	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		128	55.1	146			

Sample ID: LCS-53135	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53135	RunNo: 69757								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2421976	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	97.7	70	130			
Surr: DNOP	4.6		5.000		92.9	55.1	146			

Sample ID: LCS-53169	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53169	RunNo: 69757								
Prep Date: 6/19/2020	Analysis Date: 6/19/2020	SeqNo: 2421977	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.0	55.1	146			

Sample ID: MB-53135	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53135	RunNo: 69757								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2421978	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		127	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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 Fed 333H

Sample ID: MB-53169	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53169	RunNo: 69757								
Prep Date: 6/19/2020	Analysis Date: 6/19/2020	SeqNo: 2421979	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		95.6	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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27-34 Fed 333H

Sample ID: 2006856-021ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: AH-13 3ft	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2421582	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	24.06	0	87.3	80	120			
Surr: BFB	880		962.5		90.9	66.6	105			

Sample ID: 2006856-021amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: AH-13 3ft	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2421583	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.53	0	85.1	80	120	0.655	20	
Surr: BFB	880		981.4		89.9	66.6	105	0	0	

Sample ID: ics-53127	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53127	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421592	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.7	80	120			
Surr: BFB	890		1000		88.7	66.6	105			

Sample ID: ics-53132	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421593	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	83.0	80	120			
Surr: BFB	920		1000		91.7	66.6	105			

Sample ID: mb-53127	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53127	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421594	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	840		1000		83.6	66.6	105			

Sample ID: mb-53132	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421595	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27-34 Fed 333H

Sample ID: mb-53132	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421595	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	810		1000		81.1	66.6	105			

Sample ID: lcs-53137	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422183	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		90.9	66.6	105			

Sample ID: mb-53137	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422184	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	830		1000		83.2	66.6	105			

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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 Fed 333H

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9606	0	99.1	78.5	119			
Toluene	0.98	0.048	0.9606	0.01136	101	75.7	123			
Ethylbenzene	1.0	0.048	0.9606	0	104	74.3	126			
Xylenes, Total	3.0	0.096	2.882	0.01607	104	72.9	130			
Surr: 4-Bromofluorobenzene	1.0		0.9606		107	80	120			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9524	0	101	78.5	119	1.21	20	
Toluene	0.99	0.048	0.9524	0.01136	103	75.7	123	1.28	20	
Ethylbenzene	1.0	0.048	0.9524	0	105	74.3	126	0.0959	20	
Xylenes, Total	3.0	0.095	2.857	0.01607	106	72.9	130	0.803	20	
Surr: 4-Bromofluorobenzene	1.0		0.9524		108	80	120	0	0	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.023	0.9328	0.01358	98.5	78.5	119			
Toluene	0.96	0.047	0.9328	0.01083	102	75.7	123			
Ethylbenzene	0.96	0.047	0.9328	0	103	74.3	126			
Xylenes, Total	2.9	0.093	2.799	0.01595	103	72.9	130			
Surr: 4-Bromofluorobenzene	0.98		0.9328		105	80	120			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9425	0.01358	97.0	78.5	119	0.491	20	
Toluene	0.96	0.047	0.9425	0.01083	101	75.7	123	0.666	20	
Ethylbenzene	0.97	0.047	0.9425	0	103	74.3	126	0.875	20	
Xylenes, Total	2.9	0.094	2.828	0.01595	102	72.9	130	0.264	20	
Surr: 4-Bromofluorobenzene	0.95		0.9425		101	80	120	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#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27-34 Fed 333H

Sample ID: LCS-53127	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53127	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421652	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.95	0.050	1.000	0	95.2	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID: LCS-53132	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421653	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID: mb-53127	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53127	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421654	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		105	80	120			

Sample ID: mb-53132	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53132	RunNo: 69736								
Prep Date: 6/17/2020	Analysis Date: 6/18/2020	SeqNo: 2421655	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	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

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

WO#: 2006856

23-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 Fed 333H

Sample ID: LCS-53137	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422214	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: mb-53137	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53137	RunNo: 69769								
Prep Date: 6/17/2020	Analysis Date: 6/19/2020	SeqNo: 2422215	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	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



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 & Environmental Solutions Work Order Number: 2006856 RcptNo: 1

Received By: Emily Mocho 6/17/2020 9:10:00 AM

Completed By: Juan Rojas 6/17/2020 9:46:05 AM

Reviewed By: DAD 6/17/20

[Handwritten Signature]

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? Yes No
 (Note discrepancies on chain of custody)
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? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: SPA 6.17.20

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. Clinton Hobbs N.M. 88240

Phone #: 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	HEAL No.
06/11	0930	S	Att-11 Surface	7006856
	1000	S	Att-11 ZFF	-013
	1025	S	Att-11 4FF	-014
	1035	S	Att-12 Surface	-015
	1105	S	Att-12 ZFF	-016
	1115	S	Att-12 3FF	-017
	1120	S	Att-13 Surface	-018
	1145	S	Att-13 ZFF	-019
	1210	S	Att-13 3FF	-020
	1300	S	Att-14 Surface	-021
06/11	1310	S	Att-14 1FF	-022
				-023

Relinquished by: Son Jun Date: 06/16 0800

Relinquished by: [Signature] Date: 6/16/20 1900

Turn-Around Time: Sday Turn

Standard Rush

Project Name: Devon
WS177000 27-34 70
333H

Project #: Dev-19-005

Project Manager: Allen, Bob

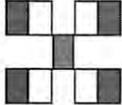
Sampler: Son Jun

On Ice: Yes No

Container Type and #	Preservative Type	HEAL No.
()	Free	7006856
()		-013
()		-014
()		-015
()		-016
()		-017
()		-018
()		-019
()		-020
()		-021
()		-022
()		-023

Received by: [Signature] Date: 6/16/20 0800

Received by: [Signature] Date: 6/17/20 9:10



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request	
BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	<input checked="" type="checkbox"/> Chloride

Remarks: Bill Devon

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

Chain-of-Custody Record

Client: Safety & Environmental Solutions
 Mailing Address: 703 E Clinton
Albuquerque NM 87109
 Phone #: 505-397-0510
 email or Fax#: _____
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) _____

Turn-Around Time: 5 Day Turn
 Standard Rush
 Project Name: DEVON LUSITANO 2.7-34 AD 333A
 Project #: DEV-19-005
 Project Manager: Allen, Bob
 Sampler: Scott Perry
 On Ice: Yes No
 # of Coolers: _____
 Cooler Temp (including CF): _____ (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
06/11	1325	S	Att-15 Surface	1	Free	2006556 -024
	1335	S	Att-15 1ft	1		-025
	1350	S	Att-16 Surface	1		-026
	1400	S	Att-16 1ft	1		-027
	1410	S	Att-17 Surface	1		-028
	1425	S	Att-17 1ft	1		-029
	1435	S	Att-18 Surface	1		-030
	1450	S	Att-18 1ft	1		-031
	1500	S	Att-19 Surface	1		-032
	1510	S	Att-19 1ft	1		-033
	1520	S	Att-20 Surface	1		-034
06/11	1530	S	Att-20 1ft	1		-035

Relinquished by: Scott Perry Date: 06/16/20 Time: 0800
 Relinquished by: [Signature] Date: 06/16/20 Time: 1900
 Received by: [Signature] Date: 06/16/20 Time: 0800
 Received by: [Signature] Date: 06/16/20 Time: 0800



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

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, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
X	X								X

Remarks: Bill Devon

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

<u>Characterization Report Checklist:</u> Each of the following items must be included in the report.
<input type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
<input type="checkbox"/> Field data
<input type="checkbox"/> Data table of soil contaminant concentration data
<input type="checkbox"/> Depth to water determination
<input type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
<input type="checkbox"/> Boring or excavation logs
<input type="checkbox"/> Photographs including date and GIS information
<input type="checkbox"/> Topographic/Aerial maps
<input type="checkbox"/> Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Tom Bynum Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Tom Bynum Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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: _____ Title: _____
 Signature: Tom Bynum Date: _____
 email: _____ Telephone: _____

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: _____