

Incident ID	NMAP1826381249
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 11/9/2022
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: OCD Date: 11/9/2022

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.

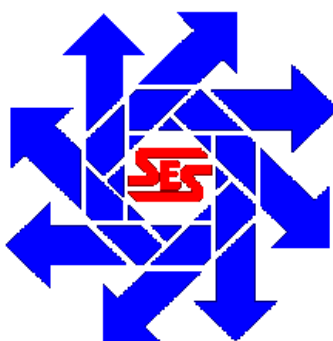
Closure Approved by: Ashley Maxwell Date: 2/03/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

**Devon Energy Production Company
Lusitano 27-34 Fed Com 235H**

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

NMAP1826381249

July 22, 2021



Prepared for:

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

By:

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

Company Contacts

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

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy to perform a site assessment at the Lusitano 27-34 Fed Com 235H location concerning a 325 bbls release of treated produced water along the lease road and right of way. According to the C-141, a failed hose coupler caused the spill. 250 barrels of fluid was recovered. This site is situated in Eddy County, Section 27, Township 25S, and Range 31E.

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

Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water is not present within 3,000 feet of this release. The New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be 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

In April 2020, SESI personnel performed sampling to determine vertical extent of the release. SESI advanced 9 auger holes within the leak area. The samples were properly packaged and preserved and sent to Hall Laboratories for analysis. The results of the testing are captured in the summary below:

Devon Energy Lusitano 27-34 Fed Com 235H Soil Sample Results: Hall Environmental Laboratories 4/16/20								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
AH-1 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-1 @ 2'	ND	ND	ND	ND	ND	ND	ND	ND
AH-2 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-2 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-3 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-3 @ 2'	ND	ND	ND	ND	ND	ND	ND	ND
AH-4 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-4 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-5 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-5 @ 2'	ND	ND	ND	ND	ND	ND	ND	ND
AH-6 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-6 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-7 @ SURFACE	94	ND	ND	ND	ND	ND	ND	ND
AH-7 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-8 @ SURFACE	260	ND	ND	ND	ND	ND	ND	ND
AH-8 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-13 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-13 @ 1'	72	ND	ND	ND	ND	ND	ND	ND

Additional sampling was completed on 6/9/20 to ensure the total extent of the release had been surveyed. The samples were properly packaged and preserved and sent to Hall Laboratories for analysis. The results of the testing are captured in the summary below:

Devon Energy Lusitano 27-34 Fed Com 235H Soil Sample Results: Hall Environmental Laboratories 6/9/20								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
AH-14 @ SURFACE	110	ND	ND	ND	ND	ND	ND	ND
AH-14 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-15 @ SURFACE	620	ND	ND	ND	ND	ND	ND	ND
AH-15 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-16 @ SURFACE	170	ND	ND	ND	ND	ND	ND	ND
AH-16 @ 1'	60	ND	ND	ND	ND	ND	ND	ND
AH-17 @ SURFACE	400	ND	ND	ND	ND	ND	ND	ND
AH-17 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-18 @ SURFACE	430	ND	ND	ND	ND	ND	ND	ND
AH-18 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH-19 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-19 @ 1'	65	ND	ND	ND	ND	ND	ND	ND
AH-20 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-20 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND

Remediation

Based on the results of the delineation, SESI, determined no further action was needed at this time. Initial sampling events of the delineation indicated that soil was not impacted in a significant manner to necessitate a remediation of the release location. No further samples were collected for analysis.

Closure Request

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


Supplemental Documentation for Closure

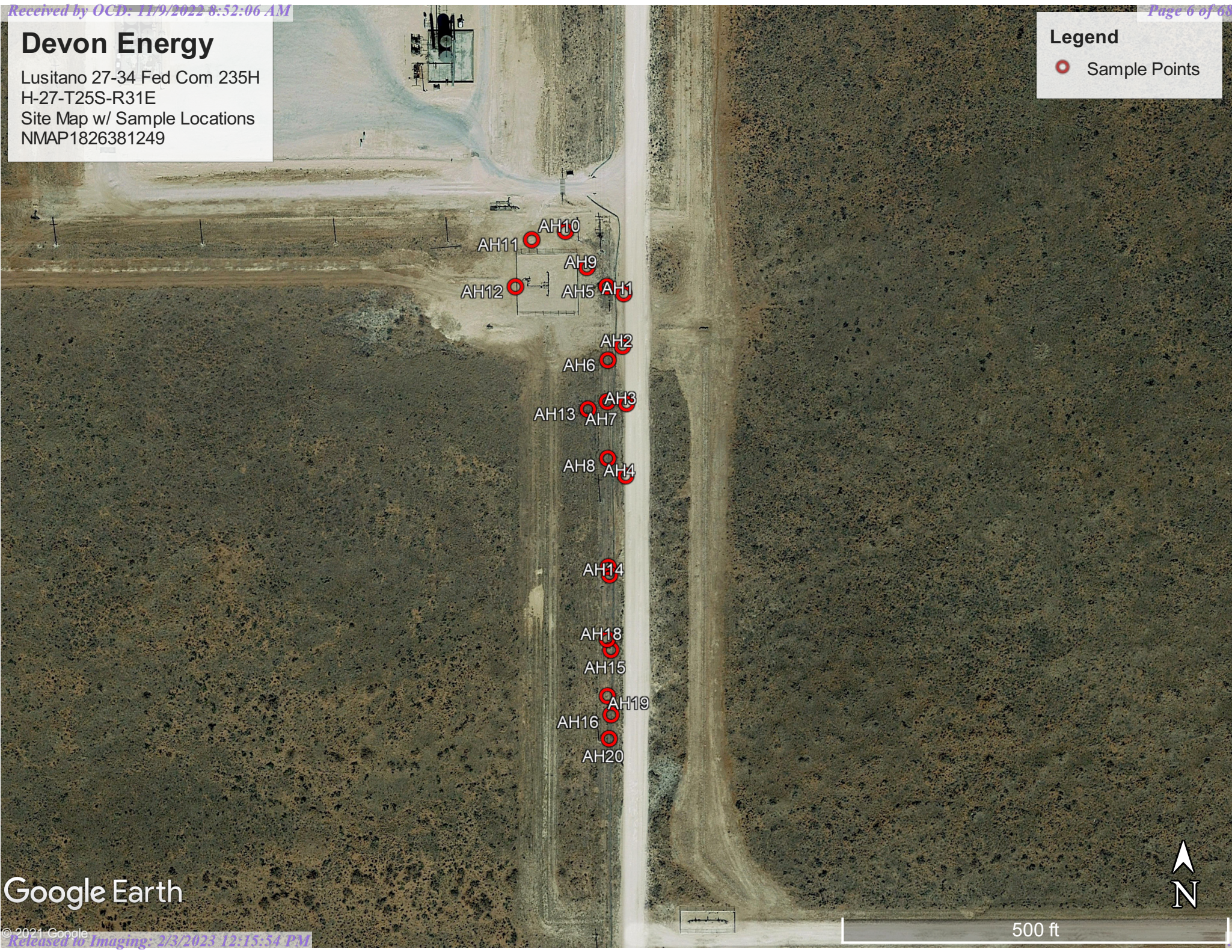
Map of Release with sample locations
Photos of release and remediation
NMOCD Oil and Gas Map
GW 0.5mi Radius Map
Laboratory Analysis
C-141

Devon Energy

Lusitano 27-34 Fed Com 235H
H-27-T25S-R31E
Site Map w/ Sample Locations
NMAP1826381249

Legend

 Sample Points







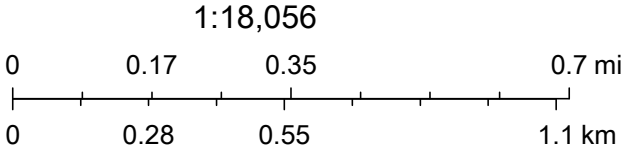
Google Earth

OSE PUBLIC PRINT



8/24/2021, 1:33:18 PM

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



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

National Water Information System: Map View



Devon Energy
Lusitano 27-34 Fed Com 235H Site Photos



Devon Energy

Lusitano 27-34 Fed Com 235H Site Photos



Devon Energy

Lusitano 27-34 Fed Com 235H Site Photos





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

June 18, 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 235H

OrderNo.: 2006684

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 14 sample(s) on 6/12/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-14 Surface

Project: Devon Lusitano 27-34 235H

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

Lab ID: 2006684-001

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	110	60		mg/Kg	20	6/17/2020 2:09:37 AM	53111
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/13/2020 5:39:36 PM	53056
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/13/2020 5:39:36 PM	53056
Surr: DNOP	101	55.1-146		%Rec	1	6/13/2020 5:39:36 PM	53056
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2020 11:32:32 AM	53054
Surr: BFB	81.8	66.6-105		%Rec	1	6/14/2020 11:32:32 AM	53054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/14/2020 11:32:32 AM	53054
Toluene	ND	0.049		mg/Kg	1	6/14/2020 11:32:32 AM	53054
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2020 11:32:32 AM	53054
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2020 11:32:32 AM	53054
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/14/2020 11:32:32 AM	53054

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-14 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 9:50:00 AM

Lab ID: 2006684-002

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/17/2020 2:21:58 AM	53111
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/13/2020 5:49:42 PM	53056
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/13/2020 5:49:42 PM	53056
Surr: DNOP	123	55.1-146		%Rec	1	6/13/2020 5:49:42 PM	53056
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/14/2020 11:56:11 AM	53054
Surr: BFB	80.7	66.6-105		%Rec	1	6/14/2020 11:56:11 AM	53054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/14/2020 11:56:11 AM	53054
Toluene	ND	0.050		mg/Kg	1	6/14/2020 11:56:11 AM	53054
Ethylbenzene	ND	0.050		mg/Kg	1	6/14/2020 11:56:11 AM	53054
Xylenes, Total	ND	0.10		mg/Kg	1	6/14/2020 11:56:11 AM	53054
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/14/2020 11:56:11 AM	53054

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-15 Surface

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 10:15:00 AM

Lab ID: 2006684-003

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	620	60		mg/Kg	20	6/17/2020 2:34:17 AM	53111
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/13/2020 5:59:44 PM	53056
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/13/2020 5:59:44 PM	53056
Surr: DNOP	125	55.1-146		%Rec	1	6/13/2020 5:59:44 PM	53056
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/14/2020 12:19:39 PM	53054
Surr: BFB	82.0	66.6-105		%Rec	1	6/14/2020 12:19:39 PM	53054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/14/2020 12:19:39 PM	53054
Toluene	ND	0.050		mg/Kg	1	6/14/2020 12:19:39 PM	53054
Ethylbenzene	ND	0.050		mg/Kg	1	6/14/2020 12:19:39 PM	53054
Xylenes, Total	ND	0.10		mg/Kg	1	6/14/2020 12:19:39 PM	53054
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/14/2020 12:19:39 PM	53054

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-15 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 10:30:00 AM

Lab ID: 2006684-004

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/17/2020 2:46:38 AM	53111
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	6/13/2020 6:09:49 PM	53056
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/13/2020 6:09:49 PM	53056
Surr: DNOP	136	55.1-146		%Rec	1	6/13/2020 6:09:49 PM	53056
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/14/2020 12:43:10 PM	53054
Surr: BFB	83.2	66.6-105		%Rec	1	6/14/2020 12:43:10 PM	53054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/14/2020 12:43:10 PM	53054
Toluene	ND	0.050		mg/Kg	1	6/14/2020 12:43:10 PM	53054
Ethylbenzene	ND	0.050		mg/Kg	1	6/14/2020 12:43:10 PM	53054
Xylenes, Total	ND	0.10		mg/Kg	1	6/14/2020 12:43:10 PM	53054
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/14/2020 12:43:10 PM	53054

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-16 Surface

Project: Devon Lusitano 27-34 235H

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

Lab ID: 2006684-005

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	170	60		mg/Kg	20	6/17/2020 2:58:59 AM	53111
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	6/13/2020 6:19:57 PM	53056
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/13/2020 6:19:57 PM	53056
Surr: DNOP	116	55.1-146		%Rec	1	6/13/2020 6:19:57 PM	53056
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/14/2020 1:06:42 PM	53054
Surr: BFB	82.2	66.6-105		%Rec	1	6/14/2020 1:06:42 PM	53054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/14/2020 1:06:42 PM	53054
Toluene	ND	0.050		mg/Kg	1	6/14/2020 1:06:42 PM	53054
Ethylbenzene	ND	0.050		mg/Kg	1	6/14/2020 1:06:42 PM	53054
Xylenes, Total	ND	0.099		mg/Kg	1	6/14/2020 1:06:42 PM	53054
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/14/2020 1:06:42 PM	53054

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-16 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 11:20:00 AM

Lab ID: 2006684-006

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	60	60		mg/Kg	20	6/17/2020 3:11:20 AM	53111
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2020 1:22:43 PM	53057
Surr: BFB	102	70-130		%Rec	1	6/13/2020 1:22:43 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/14/2020 11:03:24 AM	53059
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/14/2020 11:03:24 AM	53059
Surr: DNOP	112	55.1-146		%Rec	1	6/14/2020 11:03:24 AM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 1:22:43 PM	53057
Toluene	ND	0.049		mg/Kg	1	6/13/2020 1:22:43 PM	53057
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2020 1:22:43 PM	53057
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2020 1:22:43 PM	53057
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%Rec	1	6/13/2020 1:22:43 PM	53057
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	6/13/2020 1:22:43 PM	53057
Surr: Dibromofluoromethane	102	70-130		%Rec	1	6/13/2020 1:22:43 PM	53057
Surr: Toluene-d8	101	70-130		%Rec	1	6/13/2020 1:22:43 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-17 Surface

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 11:50:00 AM

Lab ID: 2006684-007

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	400	60		mg/Kg	20	6/17/2020 1:07:27 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2020 2:48:44 PM	53057
Surr: BFB	102	70-130		%Rec	1	6/13/2020 2:48:44 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/14/2020 11:13:31 AM	53059
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/14/2020 11:13:31 AM	53059
Surr: DNOP	115	55.1-146		%Rec	1	6/14/2020 11:13:31 AM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 2:48:44 PM	53057
Toluene	ND	0.049		mg/Kg	1	6/13/2020 2:48:44 PM	53057
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2020 2:48:44 PM	53057
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2020 2:48:44 PM	53057
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	1	6/13/2020 2:48:44 PM	53057
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	6/13/2020 2:48:44 PM	53057
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/13/2020 2:48:44 PM	53057
Surr: Toluene-d8	100	70-130		%Rec	1	6/13/2020 2:48:44 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-17 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 12:10:00 PM

Lab ID: 2006684-008

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/17/2020 1:44:29 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2020 4:14:35 PM	53057
Surr: BFB	103	70-130		%Rec	1	6/13/2020 4:14:35 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/14/2020 11:23:44 AM	53059
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/14/2020 11:23:44 AM	53059
Surr: DNOP	112	55.1-146		%Rec	1	6/14/2020 11:23:44 AM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 4:14:35 PM	53057
Toluene	ND	0.050		mg/Kg	1	6/13/2020 4:14:35 PM	53057
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2020 4:14:35 PM	53057
Xylenes, Total	ND	0.10		mg/Kg	1	6/13/2020 4:14:35 PM	53057
Surr: 1,2-Dichloroethane-d4	97.7	70-130		%Rec	1	6/13/2020 4:14:35 PM	53057
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	6/13/2020 4:14:35 PM	53057
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/13/2020 4:14:35 PM	53057
Surr: Toluene-d8	102	70-130		%Rec	1	6/13/2020 4:14:35 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-18 Surface

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 12:20:00 PM

Lab ID: 2006684-009

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	430	60		mg/Kg	20	6/17/2020 2:21:31 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2020 4:43:12 PM	53057
Surr: BFB	101	70-130		%Rec	1	6/13/2020 4:43:12 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	6/14/2020 11:34:08 AM	53059
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/14/2020 11:34:08 AM	53059
Surr: DNOP	120	55.1-146		%Rec	1	6/14/2020 11:34:08 AM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 4:43:12 PM	53057
Toluene	ND	0.050		mg/Kg	1	6/13/2020 4:43:12 PM	53057
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2020 4:43:12 PM	53057
Xylenes, Total	ND	0.10		mg/Kg	1	6/13/2020 4:43:12 PM	53057
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%Rec	1	6/13/2020 4:43:12 PM	53057
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	6/13/2020 4:43:12 PM	53057
Surr: Dibromofluoromethane	96.3	70-130		%Rec	1	6/13/2020 4:43:12 PM	53057
Surr: Toluene-d8	97.7	70-130		%Rec	1	6/13/2020 4:43:12 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-18 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 12:40:00 PM

Lab ID: 2006684-010

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/17/2020 2:33:52 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2020 5:11:45 PM	53057
Surr: BFB	103	70-130		%Rec	1	6/13/2020 5:11:45 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/14/2020 11:44:30 AM	53059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/14/2020 11:44:30 AM	53059
Surr: DNOP	110	55.1-146		%Rec	1	6/14/2020 11:44:30 AM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 5:11:45 PM	53057
Toluene	ND	0.049		mg/Kg	1	6/13/2020 5:11:45 PM	53057
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2020 5:11:45 PM	53057
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2020 5:11:45 PM	53057
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%Rec	1	6/13/2020 5:11:45 PM	53057
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	6/13/2020 5:11:45 PM	53057
Surr: Dibromofluoromethane	100	70-130		%Rec	1	6/13/2020 5:11:45 PM	53057
Surr: Toluene-d8	103	70-130		%Rec	1	6/13/2020 5:11:45 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-19 Surface

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 12:50:00 PM

Lab ID: 2006684-011

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/17/2020 3:10:56 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/13/2020 5:40:15 PM	53057
Surr: BFB	103	70-130		%Rec	1	6/13/2020 5:40:15 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/14/2020 11:54:58 AM	53059
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/14/2020 11:54:58 AM	53059
Surr: DNOP	99.0	55.1-146		%Rec	1	6/14/2020 11:54:58 AM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	6/13/2020 5:40:15 PM	53057
Toluene	ND	0.048		mg/Kg	1	6/13/2020 5:40:15 PM	53057
Ethylbenzene	ND	0.048		mg/Kg	1	6/13/2020 5:40:15 PM	53057
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2020 5:40:15 PM	53057
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%Rec	1	6/13/2020 5:40:15 PM	53057
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	6/13/2020 5:40:15 PM	53057
Surr: Dibromofluoromethane	102	70-130		%Rec	1	6/13/2020 5:40:15 PM	53057
Surr: Toluene-d8	102	70-130		%Rec	1	6/13/2020 5:40:15 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-19 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 1:00:00 PM

Lab ID: 2006684-012

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	65	60		mg/Kg	20	6/17/2020 3:23:17 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2020 6:08:44 PM	53057
Surr: BFB	99.3	70-130		%Rec	1	6/13/2020 6:08:44 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/14/2020 12:05:20 PM	53059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/14/2020 12:05:20 PM	53059
Surr: DNOP	122	55.1-146		%Rec	1	6/14/2020 12:05:20 PM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 6:08:44 PM	53057
Toluene	ND	0.050		mg/Kg	1	6/13/2020 6:08:44 PM	53057
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2020 6:08:44 PM	53057
Xylenes, Total	ND	0.10		mg/Kg	1	6/13/2020 6:08:44 PM	53057
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%Rec	1	6/13/2020 6:08:44 PM	53057
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	6/13/2020 6:08:44 PM	53057
Surr: Dibromofluoromethane	102	70-130		%Rec	1	6/13/2020 6:08:44 PM	53057
Surr: Toluene-d8	95.3	70-130		%Rec	1	6/13/2020 6:08:44 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-20 Surface

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 1:10:00 PM

Lab ID: 2006684-013

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/17/2020 3:35:37 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2020 6:37:13 PM	53057
Surr: BFB	105	70-130		%Rec	1	6/13/2020 6:37:13 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/14/2020 12:15:50 PM	53059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/14/2020 12:15:50 PM	53059
Surr: DNOP	115	55.1-146		%Rec	1	6/14/2020 12:15:50 PM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	6/13/2020 6:37:13 PM	53057
Toluene	ND	0.049		mg/Kg	1	6/13/2020 6:37:13 PM	53057
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2020 6:37:13 PM	53057
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2020 6:37:13 PM	53057
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/13/2020 6:37:13 PM	53057
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	6/13/2020 6:37:13 PM	53057
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/13/2020 6:37:13 PM	53057
Surr: Toluene-d8	101	70-130		%Rec	1	6/13/2020 6:37:13 PM	53057

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		

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Analytical Report

Lab Order 2006684

Date Reported: 6/18/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-20 1ft

Project: Devon Lusitano 27-34 235H

Collection Date: 6/9/2020 1:20:00 PM

Lab ID: 2006684-014

Matrix: SOIL

Received Date: 6/12/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	59		mg/Kg	20	6/17/2020 3:47:58 PM	53126
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2020 7:05:47 PM	53057
Surr: BFB	98.7	70-130		%Rec	1	6/13/2020 7:05:47 PM	53057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/14/2020 12:26:13 PM	53059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/14/2020 12:26:13 PM	53059
Surr: DNOP	111	55.1-146		%Rec	1	6/14/2020 12:26:13 PM	53059
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	6/13/2020 7:05:47 PM	53057
Toluene	ND	0.050		mg/Kg	1	6/13/2020 7:05:47 PM	53057
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2020 7:05:47 PM	53057
Xylenes, Total	ND	0.10		mg/Kg	1	6/13/2020 7:05:47 PM	53057
Surr: 1,2-Dichloroethane-d4	97.9	70-130		%Rec	1	6/13/2020 7:05:47 PM	53057
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	6/13/2020 7:05:47 PM	53057
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/13/2020 7:05:47 PM	53057
Surr: Toluene-d8	97.4	70-130		%Rec	1	6/13/2020 7:05:47 PM	53057

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		

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

WO#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 235H

Sample ID: MB-53111	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53111	RunNo: 69670								
Prep Date: 6/16/2020	Analysis Date: 6/16/2020	SeqNo: 2419293	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53111	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53111	RunNo: 69670								
Prep Date: 6/16/2020	Analysis Date: 6/16/2020	SeqNo: 2419294	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID: MB-53126	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53126	RunNo: 69715								
Prep Date: 6/17/2020	Analysis Date: 6/17/2020	SeqNo: 2420528	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53126	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53126	RunNo: 69715								
Prep Date: 6/17/2020	Analysis Date: 6/17/2020	SeqNo: 2420529	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Qualifiers:

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

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

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

WO#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 235H

Sample ID: LCS-53056	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 53056		RunNo: 69614							
Prep Date: 6/12/2020	Analysis Date: 6/13/2020		SeqNo: 2416335		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	115	70	130			
Surr: DNOP	6.0		5.000		121	55.1	146			

Sample ID: MB-53056	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 53056		RunNo: 69614							
Prep Date: 6/12/2020	Analysis Date: 6/13/2020		SeqNo: 2416336		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		124	55.1	146			

Sample ID: MB-53059	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 53059		RunNo: 69626							
Prep Date: 6/13/2020	Analysis Date: 6/14/2020		SeqNo: 2416601		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		121	55.1	146			

Sample ID: LCS-53059	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 53059		RunNo: 69623							
Prep Date: 6/13/2020	Analysis Date: 6/14/2020		SeqNo: 2416881		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	120	70	130			
Surr: DNOP	5.9		5.000		119	55.1	146			

Qualifiers:

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

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

Page 16 of 21

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Lusitano 27-34 235H

Sample ID: mb-53054	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53054	RunNo: 69632								
Prep Date: 6/12/2020	Analysis Date: 6/14/2020	SeqNo: 2416989	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	820		1000		81.5	66.6	105			

Sample ID: lcs-53054	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53054	RunNo: 69632								
Prep Date: 6/12/2020	Analysis Date: 6/14/2020	SeqNo: 2416990	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	83.7	80	120			
Surr: BFB	910		1000		91.1	66.6	105			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

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

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 235H

Sample ID: mb-53054	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53054	RunNo: 69632								
Prep Date: 6/12/2020	Analysis Date: 6/14/2020	SeqNo: 2417174	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: LCS-53054	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53054	RunNo: 69632								
Prep Date: 6/12/2020	Analysis Date: 6/14/2020	SeqNo: 2417175	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.1	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
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

Page 18 of 21

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

WO#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 235H

Sample ID: mb-53057	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416339	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		97.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.9	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		103	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID: lcs-53057	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416340	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.7	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.0	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID: 2006684-006ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: AH-16 1ft	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416342	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	0.9960	0	116	71.1	115			S
Toluene	1.1	0.050	0.9960	0	109	79.6	132			
Ethylbenzene	1.1	0.050	0.9960	0	106	83.8	134			
Xylenes, Total	3.4	0.10	2.988	0	115	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.49		0.4980		99.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.4980		97.9	70	130			
Surr: Dibromofluoromethane	0.54		0.4980		109	70	130			
Surr: Toluene-d8	0.52		0.4980		103	70	130			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Lusitano 27-34 235H

Sample ID: 2006684-006amsd		SampType: MSD4		TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: AH-16 1ft		Batch ID: 53057		RunNo: 69620						
Prep Date: 6/12/2020		Analysis Date: 6/13/2020		SeqNo: 2416343		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9756	0	98.0	71.1	115	18.7	20	
Toluene	0.84	0.049	0.9756	0	85.8	79.6	132	26.2	20	R
Ethylbenzene	0.89	0.049	0.9756	0	91.0	83.8	134	17.6	20	
Xylenes, Total	2.7	0.098	2.927	0	92.8	82.4	132	23.5	20	R
Surr: 1,2-Dichloroethane-d4	0.49		0.4878		100	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4878		93.2	70	130	0	0	
Surr: Dibromofluoromethane	0.52		0.4878		107	70	130	0	0	
Surr: Toluene-d8	0.48		0.4878		99.0	70	130	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#: 2006684

18-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon Lusitano 27-34 235H

Sample ID: mb-53057	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416365 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	520		500.0		103	70	130			

Sample ID: lcs-53057	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416366 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	25.00	0	76.1	70	130			
Surr: BFB	500		500.0		99.4	70	130			

Sample ID: 2006684-007ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: AH-17 Surface	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416369 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	24.90	0	82.0	70	130			
Surr: BFB	500		498.0		99.6	70	130			

Sample ID: 2006684-007amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: AH-17 Surface	Batch ID: 53057	RunNo: 69620								
Prep Date: 6/12/2020	Analysis Date: 6/13/2020	SeqNo: 2416370 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.61	0	84.5	70	130	1.84	20	
Surr: BFB	500		492.1		102	70	130	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



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

Sample Log-In Check List

Client Name: Safety Env Solutions

Work Order Number: 2006684

RcptNo: 1

Received By: Juan Rojas

6/12/2020 9:35:00 AM

Juan Rojas

Completed By: Juan Rojas

6/12/2020 10:44:57 AM

Juan Rojas

Reviewed By:

Em 6/12/20

Chain of Custody

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

Log In

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

IO
of preserved bottles checked for pH: 6/12/20
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good				

Chain-of-Custody Record

Client:	Safety & Environmental Solutions
Mailing Address:	703 E. Clinton Toombs Ave 88240
Phone #:	575-397-0510
email or Fax#:	
QA/QC Package:	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)
Accreditation:	<input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other _____
	<input type="checkbox"/> EDD (Type) _____

Turn-Around Time:☒ Standard ☐ Rush

Project Name: Dewon
Wesley 27-34 23514

Project #:

DEV-20-027

Project Manager:

Allen,
2009

Sampler:

On Ice: ☒ Yes ☐ No

of Coolers:

Cooler Temp (including CF): $2.4 + 0.1 - 3.5 (^{\circ}\text{C})$

Date	Time	Matrix	Sample Name
6/09	0930	S	Alt-14 Surface
	0950	S	Alt-14 (F)
	1015	S	Alt-15 Surface
	1030	S	Alt-15 (F)
	1100	S	Alt-16 Surface
	1120	S	Alt-16 (F)
	1150	S	Alt-17 Surface
	1210	S	Alt-17 (F)
	1220	S	Alt-18 Surface
	1240	S	Alt-18 (F)
	1250	S	Alt-19 Surface
6/09	1300	S	Alt-19 (F)

Date: 09/10	Time: 0800	Relinquished by: [Signature]
Date: 1/1/20	Time: 1900	Relinquished by: [Signature]

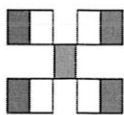
Received by: 	Via:	Date	Time
Received by: 	Via:	Date	Time

Remarks:

Devon

Received by: *Paul Carrier* Date: *6/12/20* Time: *9:35*

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



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Remarks:

Devon

Received by: *Paul Carrier* Date: *6/12/20* Time: *9:35*

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

email or Fax#:						Project Manager: <i>Allen Bob</i>					
QA/QC Package:											
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)											
Accreditation: <input type="checkbox"/> Az Compliance						Sampler:					
<input type="checkbox"/> NELAC <input type="checkbox"/> Other _____						On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> EDD (Type) _____						# of Coolers: 1					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Cooler Temp (including CF):				
06/09	1310	S	AH-20 Sphm	1	Jar	70066654 -013	3.4+0.1=3.5 (°C)				
06/09	1320	S	AH-20 LG	1		-014					
Date: 06/10	Time: 0800	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>		Via:	Date: 6/11/20	Time: 1500				
Date: 06/11/20	Time: 1900	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>		Via:	Date: 6/11/20	Time: 0935				

Remarks:

Bill Devon



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

April 27, 2020

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

RE: Devon Lusttano 27 34 Fed 235H

OrderNo.: 2004886

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 18 sample(s) on 4/21/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 10:35:00 AM

Lab ID: 2004886-001

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 9:24:06 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/23/2020 3:58:23 PM	51988
Surr: BFB	98.7	70-130		%Rec	1	4/23/2020 3:58:23 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/22/2020 7:53:59 AM	51992
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/22/2020 7:53:59 AM	51992
Surr: DNOP	95.5	55.1-146		%Rec	1	4/22/2020 7:53:59 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 3:58:23 PM	51988
Toluene	ND	0.047		mg/Kg	1	4/23/2020 3:58:23 PM	51988
Ethylbenzene	ND	0.047		mg/Kg	1	4/23/2020 3:58:23 PM	51988
Xylenes, Total	ND	0.095		mg/Kg	1	4/23/2020 3:58:23 PM	51988
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%Rec	1	4/23/2020 3:58:23 PM	51988
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/23/2020 3:58:23 PM	51988
Surr: Dibromofluoromethane	94.3	70-130		%Rec	1	4/23/2020 3:58:23 PM	51988
Surr: Toluene-d8	96.8	70-130		%Rec	1	4/23/2020 3:58:23 PM	51988

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

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

Page 1 of 23

Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 2ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 10:55:00 AM

Lab ID: 2004886-002

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 10:01:19 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/23/2020 5:24:08 PM	51988
Surr: BFB	99.3	70-130		%Rec	1	4/23/2020 5:24:08 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/22/2020 9:06:25 AM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 9:06:25 AM	51992
Surr: DNOP	79.0	55.1-146		%Rec	1	4/22/2020 9:06:25 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 5:24:08 PM	51988
Toluene	ND	0.049		mg/Kg	1	4/23/2020 5:24:08 PM	51988
Ethylbenzene	ND	0.049		mg/Kg	1	4/23/2020 5:24:08 PM	51988
Xylenes, Total	ND	0.098		mg/Kg	1	4/23/2020 5:24:08 PM	51988
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%Rec	1	4/23/2020 5:24:08 PM	51988
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	4/23/2020 5:24:08 PM	51988
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	4/23/2020 5:24:08 PM	51988
Surr: Toluene-d8	98.1	70-130		%Rec	1	4/23/2020 5:24:08 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 11:10:00 AM

Lab ID: 2004886-003

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 10:13:44 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/23/2020 6:50:02 PM	51988
Surr: BFB	98.2	70-130		%Rec	1	4/23/2020 6:50:02 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/22/2020 10:19:17 AM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 10:19:17 AM	51992
Surr: DNOP	61.8	55.1-146		%Rec	1	4/22/2020 10:19:17 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 6:50:02 PM	51988
Toluene	ND	0.047		mg/Kg	1	4/23/2020 6:50:02 PM	51988
Ethylbenzene	ND	0.047		mg/Kg	1	4/23/2020 6:50:02 PM	51988
Xylenes, Total	ND	0.095		mg/Kg	1	4/23/2020 6:50:02 PM	51988
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/23/2020 6:50:02 PM	51988
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	4/23/2020 6:50:02 PM	51988
Surr: Dibromofluoromethane	96.9	70-130		%Rec	1	4/23/2020 6:50:02 PM	51988
Surr: Toluene-d8	96.5	70-130		%Rec	1	4/23/2020 6:50:02 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 1ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 11:20:00 AM

Lab ID: 2004886-004

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	59		mg/Kg	20	4/22/2020 10:26:09 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/23/2020 7:18:32 PM	51988
Surr: BFB	98.3	70-130		%Rec	1	4/23/2020 7:18:32 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/22/2020 10:43:40 AM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 10:43:40 AM	51992
Surr: DNOP	94.0	55.1-146		%Rec	1	4/22/2020 10:43:40 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 7:18:32 PM	51988
Toluene	ND	0.048		mg/Kg	1	4/23/2020 7:18:32 PM	51988
Ethylbenzene	ND	0.048		mg/Kg	1	4/23/2020 7:18:32 PM	51988
Xylenes, Total	ND	0.096		mg/Kg	1	4/23/2020 7:18:32 PM	51988
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	4/23/2020 7:18:32 PM	51988
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	4/23/2020 7:18:32 PM	51988
Surr: Dibromofluoromethane	98.2	70-130		%Rec	1	4/23/2020 7:18:32 PM	51988
Surr: Toluene-d8	96.5	70-130		%Rec	1	4/23/2020 7:18:32 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 11:35:00 AM

Lab ID: 2004886-005

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 10:38:33 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/23/2020 7:46:58 PM	51988
Surr: BFB	96.9	70-130		%Rec	1	4/23/2020 7:46:58 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/22/2020 11:07:49 AM	51992
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/22/2020 11:07:49 AM	51992
Surr: DNOP	86.4	55.1-146		%Rec	1	4/22/2020 11:07:49 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	4/23/2020 7:46:58 PM	51988
Toluene	ND	0.046		mg/Kg	1	4/23/2020 7:46:58 PM	51988
Ethylbenzene	ND	0.046		mg/Kg	1	4/23/2020 7:46:58 PM	51988
Xylenes, Total	ND	0.092		mg/Kg	1	4/23/2020 7:46:58 PM	51988
Surr: 1,2-Dichloroethane-d4	87.2	70-130		%Rec	1	4/23/2020 7:46:58 PM	51988
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	4/23/2020 7:46:58 PM	51988
Surr: Dibromofluoromethane	92.5	70-130		%Rec	1	4/23/2020 7:46:58 PM	51988
Surr: Toluene-d8	95.4	70-130		%Rec	1	4/23/2020 7:46:58 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 2ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 11:50:00 AM

Lab ID: 2004886-006

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 10:50:58 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/23/2020 8:15:40 PM	51988
Surr: BFB	96.5	70-130		%Rec	1	4/23/2020 8:15:40 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/22/2020 11:31:54 AM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 11:31:54 AM	51992
Surr: DNOP	95.0	55.1-146		%Rec	1	4/22/2020 11:31:54 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	4/23/2020 8:15:40 PM	51988
Toluene	ND	0.049		mg/Kg	1	4/23/2020 8:15:40 PM	51988
Ethylbenzene	ND	0.049		mg/Kg	1	4/23/2020 8:15:40 PM	51988
Xylenes, Total	ND	0.098		mg/Kg	1	4/23/2020 8:15:40 PM	51988
Surr: 1,2-Dichloroethane-d4	88.7	70-130		%Rec	1	4/23/2020 8:15:40 PM	51988
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	4/23/2020 8:15:40 PM	51988
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	4/23/2020 8:15:40 PM	51988
Surr: Toluene-d8	97.2	70-130		%Rec	1	4/23/2020 8:15:40 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 11:55:00 AM

Lab ID: 2004886-007

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 11:03:22 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/23/2020 8:44:12 PM	51988
Surr: BFB	101	70-130		%Rec	1	4/23/2020 8:44:12 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/22/2020 11:56:10 AM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 11:56:10 AM	51992
Surr: DNOP	123	55.1-146		%Rec	1	4/22/2020 11:56:10 AM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 8:44:12 PM	51988
Toluene	ND	0.048		mg/Kg	1	4/23/2020 8:44:12 PM	51988
Ethylbenzene	ND	0.048		mg/Kg	1	4/23/2020 8:44:12 PM	51988
Xylenes, Total	ND	0.095		mg/Kg	1	4/23/2020 8:44:12 PM	51988
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%Rec	1	4/23/2020 8:44:12 PM	51988
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/23/2020 8:44:12 PM	51988
Surr: Dibromofluoromethane	97.7	70-130		%Rec	1	4/23/2020 8:44:12 PM	51988
Surr: Toluene-d8	99.9	70-130		%Rec	1	4/23/2020 8:44:12 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 1ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 12:10:00 PM

Lab ID: 2004886-008

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 11:15:46 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/23/2020 9:12:55 PM	51988
Surr: BFB	98.5	70-130		%Rec	1	4/23/2020 9:12:55 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/22/2020 12:20:21 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 12:20:21 PM	51992
Surr: DNOP	111	55.1-146		%Rec	1	4/22/2020 12:20:21 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 9:12:55 PM	51988
Toluene	ND	0.047		mg/Kg	1	4/23/2020 9:12:55 PM	51988
Ethylbenzene	ND	0.047		mg/Kg	1	4/23/2020 9:12:55 PM	51988
Xylenes, Total	ND	0.095		mg/Kg	1	4/23/2020 9:12:55 PM	51988
Surr: 1,2-Dichloroethane-d4	89.9	70-130		%Rec	1	4/23/2020 9:12:55 PM	51988
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	4/23/2020 9:12:55 PM	51988
Surr: Dibromofluoromethane	96.7	70-130		%Rec	1	4/23/2020 9:12:55 PM	51988
Surr: Toluene-d8	98.5	70-130		%Rec	1	4/23/2020 9:12:55 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-5 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 1:15:00 PM

Lab ID: 2004886-009

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	59		mg/Kg	20	4/22/2020 11:28:10 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/23/2020 9:41:46 PM	51988
Surr: BFB	98.0	70-130		%Rec	1	4/23/2020 9:41:46 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/22/2020 1:09:02 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 1:09:02 PM	51992
Surr: DNOP	89.1	55.1-146		%Rec	1	4/22/2020 1:09:02 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/23/2020 9:41:46 PM	51988
Toluene	ND	0.048		mg/Kg	1	4/23/2020 9:41:46 PM	51988
Ethylbenzene	ND	0.048		mg/Kg	1	4/23/2020 9:41:46 PM	51988
Xylenes, Total	ND	0.096		mg/Kg	1	4/23/2020 9:41:46 PM	51988
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	4/23/2020 9:41:46 PM	51988
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	4/23/2020 9:41:46 PM	51988
Surr: Dibromofluoromethane	97.9	70-130		%Rec	1	4/23/2020 9:41:46 PM	51988
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/23/2020 9:41:46 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-5 2ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 1:35:00 PM

Lab ID: 2004886-010

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 11:40:34 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/23/2020 10:10:20 PM	51988
Surr: BFB	96.3	70-130		%Rec	1	4/23/2020 10:10:20 PM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/22/2020 1:33:23 PM	51992
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/22/2020 1:33:23 PM	51992
Surr: DNOP	82.2	55.1-146		%Rec	1	4/22/2020 1:33:23 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	4/23/2020 10:10:20 PM	51988
Toluene	ND	0.049		mg/Kg	1	4/23/2020 10:10:20 PM	51988
Ethylbenzene	ND	0.049		mg/Kg	1	4/23/2020 10:10:20 PM	51988
Xylenes, Total	ND	0.099		mg/Kg	1	4/23/2020 10:10:20 PM	51988
Surr: 1,2-Dichloroethane-d4	89.3	70-130		%Rec	1	4/23/2020 10:10:20 PM	51988
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	4/23/2020 10:10:20 PM	51988
Surr: Dibromofluoromethane	95.7	70-130		%Rec	1	4/23/2020 10:10:20 PM	51988
Surr: Toluene-d8	95.9	70-130		%Rec	1	4/23/2020 10:10:20 PM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-6 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 1:40:00 PM

Lab ID: 2004886-011

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 11:52:59 AM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/24/2020 1:03:07 AM	51988
Surr: BFB	98.3	70-130		%Rec	1	4/24/2020 1:03:07 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/22/2020 1:57:55 PM	51992
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/22/2020 1:57:55 PM	51992
Surr: DNOP	102	55.1-146		%Rec	1	4/22/2020 1:57:55 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	4/24/2020 1:03:07 AM	51988
Toluene	ND	0.050		mg/Kg	1	4/24/2020 1:03:07 AM	51988
Ethylbenzene	ND	0.050		mg/Kg	1	4/24/2020 1:03:07 AM	51988
Xylenes, Total	ND	0.10		mg/Kg	1	4/24/2020 1:03:07 AM	51988
Surr: 1,2-Dichloroethane-d4	87.3	70-130		%Rec	1	4/24/2020 1:03:07 AM	51988
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	4/24/2020 1:03:07 AM	51988
Surr: Dibromofluoromethane	93.2	70-130		%Rec	1	4/24/2020 1:03:07 AM	51988
Surr: Toluene-d8	100	70-130		%Rec	1	4/24/2020 1:03:07 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-6 1ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 1:50:00 PM

Lab ID: 2004886-012

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 12:30:13 PM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/24/2020 1:31:56 AM	51988
Surr: BFB	97.4	70-130		%Rec	1	4/24/2020 1:31:56 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/22/2020 2:22:30 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 2:22:30 PM	51992
Surr: DNOP	118	55.1-146		%Rec	1	4/22/2020 2:22:30 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	4/24/2020 1:31:56 AM	51988
Toluene	ND	0.046		mg/Kg	1	4/24/2020 1:31:56 AM	51988
Ethylbenzene	ND	0.046		mg/Kg	1	4/24/2020 1:31:56 AM	51988
Xylenes, Total	ND	0.093		mg/Kg	1	4/24/2020 1:31:56 AM	51988
Surr: 1,2-Dichloroethane-d4	86.6	70-130		%Rec	1	4/24/2020 1:31:56 AM	51988
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	4/24/2020 1:31:56 AM	51988
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	4/24/2020 1:31:56 AM	51988
Surr: Toluene-d8	99.5	70-130		%Rec	1	4/24/2020 1:31:56 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 1:55:00 PM

Lab ID: 2004886-013

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	94	60		mg/Kg	20	4/22/2020 12:42:38 PM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/24/2020 2:00:42 AM	51988
Surr: BFB	100	70-130		%Rec	1	4/24/2020 2:00:42 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/22/2020 2:46:59 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 2:46:59 PM	51992
Surr: DNOP	130	55.1-146		%Rec	1	4/22/2020 2:46:59 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/24/2020 2:00:42 AM	51988
Toluene	ND	0.048		mg/Kg	1	4/24/2020 2:00:42 AM	51988
Ethylbenzene	ND	0.048		mg/Kg	1	4/24/2020 2:00:42 AM	51988
Xylenes, Total	ND	0.096		mg/Kg	1	4/24/2020 2:00:42 AM	51988
Surr: 1,2-Dichloroethane-d4	88.8	70-130		%Rec	1	4/24/2020 2:00:42 AM	51988
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	4/24/2020 2:00:42 AM	51988
Surr: Dibromofluoromethane	94.5	70-130		%Rec	1	4/24/2020 2:00:42 AM	51988
Surr: Toluene-d8	103	70-130		%Rec	1	4/24/2020 2:00:42 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 1ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 2:05:00 PM

Lab ID: 2004886-014

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 12:55:03 PM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/24/2020 2:29:33 AM	51988
Surr: BFB	101	70-130		%Rec	1	4/24/2020 2:29:33 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/22/2020 3:11:28 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 3:11:28 PM	51992
Surr: DNOP	121	55.1-146		%Rec	1	4/22/2020 3:11:28 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/24/2020 2:29:33 AM	51988
Toluene	ND	0.048		mg/Kg	1	4/24/2020 2:29:33 AM	51988
Ethylbenzene	ND	0.048		mg/Kg	1	4/24/2020 2:29:33 AM	51988
Xylenes, Total	ND	0.097		mg/Kg	1	4/24/2020 2:29:33 AM	51988
Surr: 1,2-Dichloroethane-d4	85.7	70-130		%Rec	1	4/24/2020 2:29:33 AM	51988
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/24/2020 2:29:33 AM	51988
Surr: Dibromofluoromethane	94.0	70-130		%Rec	1	4/24/2020 2:29:33 AM	51988
Surr: Toluene-d8	104	70-130		%Rec	1	4/24/2020 2:29:33 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 2:15:00 PM

Lab ID: 2004886-015

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	260	60		mg/Kg	20	4/22/2020 1:07:27 PM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/24/2020 2:58:26 AM	51988
Surr: BFB	97.2	70-130		%Rec	1	4/24/2020 2:58:26 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/22/2020 3:35:43 PM	51992
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/22/2020 3:35:43 PM	51992
Surr: DNOP	129	55.1-146		%Rec	1	4/22/2020 3:35:43 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	4/24/2020 2:58:26 AM	51988
Toluene	ND	0.046		mg/Kg	1	4/24/2020 2:58:26 AM	51988
Ethylbenzene	ND	0.046		mg/Kg	1	4/24/2020 2:58:26 AM	51988
Xylenes, Total	ND	0.092		mg/Kg	1	4/24/2020 2:58:26 AM	51988
Surr: 1,2-Dichloroethane-d4	86.0	70-130		%Rec	1	4/24/2020 2:58:26 AM	51988
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	4/24/2020 2:58:26 AM	51988
Surr: Dibromofluoromethane	93.0	70-130		%Rec	1	4/24/2020 2:58:26 AM	51988
Surr: Toluene-d8	101	70-130		%Rec	1	4/24/2020 2:58:26 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 1ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/15/2020 2:20:00 PM

Lab ID: 2004886-016

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 1:19:51 PM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/24/2020 3:27:18 AM	51988
Surr: BFB	99.9	70-130		%Rec	1	4/24/2020 3:27:18 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/22/2020 4:00:15 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 4:00:15 PM	51992
Surr: DNOP	113	55.1-146		%Rec	1	4/22/2020 4:00:15 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	4/24/2020 3:27:18 AM	51988
Toluene	ND	0.050		mg/Kg	1	4/24/2020 3:27:18 AM	51988
Ethylbenzene	ND	0.050		mg/Kg	1	4/24/2020 3:27:18 AM	51988
Xylenes, Total	ND	0.10		mg/Kg	1	4/24/2020 3:27:18 AM	51988
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%Rec	1	4/24/2020 3:27:18 AM	51988
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	4/24/2020 3:27:18 AM	51988
Surr: Dibromofluoromethane	96.4	70-130		%Rec	1	4/24/2020 3:27:18 AM	51988
Surr: Toluene-d8	103	70-130		%Rec	1	4/24/2020 3:27:18 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-13 Surface

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/16/2020 11:25:00 AM

Lab ID: 2004886-017

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/22/2020 1:32:16 PM	52006
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/24/2020 3:56:06 AM	51988
Surr: BFB	99.5	70-130		%Rec	1	4/24/2020 3:56:06 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/22/2020 4:24:29 PM	51992
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/22/2020 4:24:29 PM	51992
Surr: DNOP	95.7	55.1-146		%Rec	1	4/22/2020 4:24:29 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	4/24/2020 3:56:06 AM	51988
Toluene	ND	0.047		mg/Kg	1	4/24/2020 3:56:06 AM	51988
Ethylbenzene	ND	0.047		mg/Kg	1	4/24/2020 3:56:06 AM	51988
Xylenes, Total	ND	0.093		mg/Kg	1	4/24/2020 3:56:06 AM	51988
Surr: 1,2-Dichloroethane-d4	85.9	70-130		%Rec	1	4/24/2020 3:56:06 AM	51988
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	4/24/2020 3:56:06 AM	51988
Surr: Dibromofluoromethane	92.0	70-130		%Rec	1	4/24/2020 3:56:06 AM	51988
Surr: Toluene-d8	102	70-130		%Rec	1	4/24/2020 3:56:06 AM	51988

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		

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Analytical Report

Lab Order 2004886

Date Reported: 4/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-13 1ft

Project: Devon Lusttano 27 34 Fed 235H

Collection Date: 4/16/2020 11:45:00 AM

Lab ID: 2004886-018

Matrix: SOIL

Received Date: 4/21/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	72	60		mg/Kg	20	4/22/2020 10:53:54 AM	52011
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/24/2020 4:24:56 AM	51988
Surr: BFB	101	70-130		%Rec	1	4/24/2020 4:24:56 AM	51988
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/22/2020 4:48:48 PM	51992
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2020 4:48:48 PM	51992
Surr: DNOP	110	55.1-146		%Rec	1	4/22/2020 4:48:48 PM	51992
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	4/24/2020 4:24:56 AM	51988
Toluene	ND	0.046		mg/Kg	1	4/24/2020 4:24:56 AM	51988
Ethylbenzene	ND	0.046		mg/Kg	1	4/24/2020 4:24:56 AM	51988
Xylenes, Total	ND	0.092		mg/Kg	1	4/24/2020 4:24:56 AM	51988
Surr: 1,2-Dichloroethane-d4	87.7	70-130		%Rec	1	4/24/2020 4:24:56 AM	51988
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/24/2020 4:24:56 AM	51988
Surr: Dibromofluoromethane	93.0	70-130		%Rec	1	4/24/2020 4:24:56 AM	51988
Surr: Toluene-d8	100	70-130		%Rec	1	4/24/2020 4:24:56 AM	51988

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		

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

WO#: 2004886

27-Apr-20

Client: Safety & Environmental Solutions**Project:** Devon Lusttano 27 34 Fed 235H

Sample ID: MB-52006	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52006	RunNo: 68333								
Prep Date: 4/22/2020	Analysis Date: 4/22/2020	SeqNo: 2364826 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52006	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52006	RunNo: 68333								
Prep Date: 4/22/2020	Analysis Date: 4/22/2020	SeqNo: 2364827 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: MB-52011	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52011	RunNo: 68324								
Prep Date: 4/22/2020	Analysis Date: 4/22/2020	SeqNo: 2364875 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52011	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52011	RunNo: 68324								
Prep Date: 4/22/2020	Analysis Date: 4/22/2020	SeqNo: 2364876 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Sample ID: 2004886-018AMSD	SampType: msd	TestCode: EPA Method 300.0: Anions								
Client ID: AH-13 1ft	Batch ID: 52011	RunNo: 68324								
Prep Date: 4/22/2020	Analysis Date: 4/22/2020	SeqNo: 2364881 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	100	60	30.00	71.78	97.0	50.4	161	0.643	20	

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

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

WO#: 2004886

27-Apr-20

Client: Safety & Environmental Solutions**Project:** Devon Lusttano 27 34 Fed 235H

Sample ID: 2004886-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-1 Surface	Batch ID: 51992	RunNo: 68326								
Prep Date: 4/21/2020	Analysis Date: 4/22/2020	SeqNo: 2364051 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.9	49.50	0	95.9	47.4	136			
Surr: DNOP	3.9		4.950		78.4	55.1	146			

Sample ID: 2004886-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-1 Surface	Batch ID: 51992	RunNo: 68326								
Prep Date: 4/21/2020	Analysis Date: 4/22/2020	SeqNo: 2364053 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.9	49.70	0	103	47.4	136	7.79	43.4	
Surr: DNOP	4.1		4.970		83.4	55.1	146	0	0	

Sample ID: LCS-51992	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51992	RunNo: 68326								
Prep Date: 4/21/2020	Analysis Date: 4/22/2020	SeqNo: 2364062 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	70	130			
Surr: DNOP	5.3		5.000		106	55.1	146			

Sample ID: MB-51992	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51992	RunNo: 68326								
Prep Date: 4/21/2020	Analysis Date: 4/22/2020	SeqNo: 2364067 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	10		10.00		103	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#: 2004886

27-Apr-20

Client: Safety & Environmental Solutions**Project:** Devon Lusttano 27 34 Fed 235H

Sample ID: mb-51988	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366242	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.7	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		97.4	70	130			
Surr: Toluene-d8	0.49		0.5000		97.5	70	130			

Sample ID: lcs-51988	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366246	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.8	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		89.2	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.9	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.9	70	130			
Surr: Toluene-d8	0.47		0.5000		94.1	70	130			

Sample ID: 2004886-002ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: AH-1 2ft	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366255	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.023	0.9259	0	99.2	80	120			
Toluene	1.0	0.046	0.9259	0	113	80	120			
Ethylbenzene	1.1	0.046	0.9259	0	118	80	120			
Xylenes, Total	3.3	0.093	2.778	0	117	80	120			
Surr: 1,2-Dichloroethane-d4	0.41		0.4630		88.9	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.4630		100	70	130			
Surr: Dibromofluoromethane	0.45		0.4630		97.3	70	130			
Surr: Toluene-d8	0.44		0.4630		94.4	70	130			

Qualifiers:

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

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

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

WO#: 2004886

27-Apr-20

Client: Safety & Environmental Solutions**Project:** Devon Lusttano 27 34 Fed 235H

Sample ID: 2004886-002amsd		SampType: MSD4		TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: AH-1 2ft		Batch ID: 51988		RunNo: 68389						
Prep Date: 4/21/2020		Analysis Date: 4/23/2020		SeqNo: 2366256		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9479	0	101	80	120	4.02	20	
Toluene	1.1	0.047	0.9479	0	113	80	120	2.77	20	
Ethylbenzene	1.1	0.047	0.9479	0	118	80	120	3.00	20	
Xylenes, Total	3.4	0.095	2.844	0	120	80	120	5.04	20	S
Surr: 1,2-Dichloroethane-d4	0.42		0.4739		88.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.46		0.4739		97.2	70	130	0	0	
Surr: Dibromofluoromethane	0.44		0.4739		93.1	70	130	0	0	
Surr: Toluene-d8	0.44		0.4739		93.4	70	130	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

Page 22 of 23

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

WO#: 2004886

27-Apr-20

Client: Safety & Environmental Solutions**Project:** Devon Lusttano 27 34 Fed 235H

Sample ID: mb-51988	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366336 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		99.2	70	130			

Sample ID: lcs-51988	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366337 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.4	70	130			
Surr: BFB	490		500.0		97.9	70	130			

Sample ID: 2004886-001ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: AH-1 Surface	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366339 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.44	0	104	70	130			
Surr: BFB	490		488.8		100	70	130			

Sample ID: 2004886-001amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: AH-1 Surface	Batch ID: 51988	RunNo: 68389								
Prep Date: 4/21/2020	Analysis Date: 4/23/2020	SeqNo: 2366342 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.61	0	103	70	130	0.358	20	
Surr: BFB	480		492.1		97.1	70	130	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



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

Sample Log-In Check List

Client Name: **Safety Env Solutions**Work Order Number: **2004886**

RcptNo: 1

Received By: **Desiree Dominguez**

4/21/2020 11:05

ID-2

Completed By: **Desiree Dominguez**

4/21/2020 8:09:19 AM

ID-2

Reviewed By: **DAD 4/21/20**

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JR 4/21/20

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4 $^{\circ}\text{C}$	Good	Not Present			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. Clinton

Albuquerque, NM

Phone #: 505-397-0570

email or Fax#:

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 days

☒ Standard ☐ Rush

Project Name: Devon

USITNO 27-34 Feb 23 5:11 PM

Project #: Dev-20-027

Project Manager: Allen Bob

Sampler: Scr. Jony

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CP): 2.3 ± 0.1 = 2.4 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
Oct 15	1035	S	Alt 1 Surface	(		2004886
	1055	S	Alt 1 2Ft	(		-001
	1110	S	Alt 2 Surface	(		-002
	1120	S	Alt 2 1Ft	(		-003
	1135	S	Alt 3 Surface	(		-004
	1150	S	Alt 3 2Ft	(		-005
	1155	S	Alt 4 Surface	(		-006
	1210	S	Alt 4 1Ft	(		-007
	1315	S	Alt 5 Surface	(		-008
	1335	S	Alt 5 2Ft	(		-009
	1340	S	Alt 6 Surface	(		-010
	1350	S	Alt 6 1Ft	(		-011
						-012

Date: Oct 17 Time: 1700

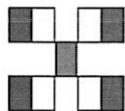
Relinquished by: Scr. Jony

Date: 4/21/20 Time: 1900

Relinquished by: [Signature]

Remarks:

Bill Devon



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"/>

X

X

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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.

ADDENDUM

Location name: Lusitano 27-34 Fed Com 235H

OCD Spill Number: NMAP1826381249

From: Dale Woodall, Devon Energy

Date: 11/9/2022

Since this report for the above referenced spill(s) was written, there has been an update in the status of the PODs for the location.

A review of New Mexico Office of the State Engineers (OSE) online water well database (New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose_pod_locations/).

One pod location is within ½ mile radius and less than 25 years old.

C-4619 POD 1 (installed in 2022) did not encounter groundwater and is withing 0.5 miles of the location

The spill was remediated to criteria for DTW of 51-100 feet bgs.

Boring log of the well C-4619 POD1 is attached.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4619		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838		
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	
					ZIP 88210		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 6	SECONDS 24.94	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE 103	45	45.26	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE NW NE Sec.27 T25S R31S NMPM							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.	
	DRILLING STARTED 6/2/2022		DRILLING ENDED 6/2/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		
			BORE HOLE DEPTH (FT) ±55		DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DATE STATIC MEASURED 6/7/2022						
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
	0	55	±6.5	Boring-HSA	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					

FOR OSE INTERNAL USE


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

FILE NO. C-4619-POD1	POD NO. POD1	TRN NO. 725954
LOCATION 255 31E 27	2-1-2	WELL TAG ID NO. N/A

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, 5 YR 5/3, Reddish Brown	Y ✓ N	
	4	24	20	Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/4, Pink	Y ✓ N	
	24	55	31	Sand, Fine-grained, poorly graded, unconsolidated, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		<p>MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.</p> <p>24 Lusitano 27 34 Fed Com 734</p> <p style="text-align: right;">OSE DTJ JUN 10 2022 PM9:22</p>
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins 6/9/2022 DATE

FOR OSE INTERNAL USE

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

FILE NO. C-4619	POD NO. POD1	TRN NO. 725954
LOCATION 255 312 27	2-1.2	WELL TAG ID NO. 27A

PAGE 2 OF 2

Incident ID	NMAP1826381249
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 11/9/2022
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: OCD Date: 11/9/2022

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: Ashley Maxwell Date: 2/03/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

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

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

CONDITIONS

Action 157273

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 157273
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023