## Devon Energy Production Company Tomcat 16 State 13

### Closure Report U/L A, Section 16, T23S, R32E Lea County, New Mexico nKJ1601426766 pKJ1601427103 1RP-1405

May 4, 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
Amanda Davis	Devon Energy	575-748-0176	Amanda.Davis@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 in January of 2016 to perform a site assessment at the Tomcat 16 State 13 concerning an 87 bbls oil and produced water leak. According to the C-141, a stuffing box release caused a spill both on and off the pad. The well was shut in and a rod blow out preventer was screwed in to prevent further release. This site is situated in Lea County, Section 16, Township 23S, and Range 32E.

SESI personnel performed an assessment of the site in January 2016 based on generator knowledge of the leak location. SESI personnel mapped the leak and performed delineation. A delineation report and work plan were created by SESI and sent to NMOCD for approval. Kellie Jones of NMOCD approved the work plan on February 14, 2016. The approved work plan is attached to this report.

A review of open releases performed by Devon in early 2020 revealed that this release had never been closed. Therefore, Devon once again engaged SESI to re-assess the release area to determine if it had been in fact cleaned up properly. SESI dispatched a crew to re-delineate the site for further review.

#### Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water, or remnants thereof, do not appear to be within 3000 feet of this release. The New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be between 425' and 450' 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 May of 2020, SESI performed an additional delineation on the release to assess if the spill had been properly cleaned up. Nine auger holes were advanced, properly preserved and packaged, and sent to Hall Environmental Labs for analyzation. The results of the delineation event are outlined in the table below:

Devon, Tomcat 16 State 13 Hall Environmental Labs: 5/5/20								
Sample Id	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xvlenes
AH1 @ SURFACE	920	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH1 @ 2'	130	ND	ND	ND	ND	ND	ND	ND
AH2 @ SURFACE	8800	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH2 @ 2'	350	ND	ND	ND	ND	ND	ND	ND
AH3 @ SURFACE	360	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH3 @ 1'	130	ND	ND	ND	ND	ND	ND	ND
	E200				N1/A	N1/A	N1/A	N1/A
SURFACE	5300	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH4 @ 2'	330	ND	ND	ND	ND	ND	ND	ND
AH5 @ SURFACE	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH5 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
	070		N1/A		N1/A	N1/A	N1/A	N1/A
SURFACE	270	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH6 @ 1'	130	ND	ND	ND	ND	ND	ND	ND
AH7 @ SURFACE	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH7 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH8 @ SURFACE	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH8 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
	I		ſ	ſ		I		
AH9 @ SURFACE	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AH9 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND

Upon completion of the vertical delineation outlined above, it was realized that horizontal extent would also need to be achieved; therefore, SESI returned to the release site in June of 2020 and performed horizontal delineation. Twelve samples were obtained, preserved and packaged, and sent to Hall labs for testing. The results of the testing are outlined below:

Devon, Tomcat 16 State 13 Hall Environmental Labs: 6/2/20									
Sample Id	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	
AH10-H WEST	ND	ND	ND	ND	ND	ND	ND	ND	
AH11-H NORTH	ND	ND	ND	ND	ND	ND	ND	ND	
AH12-H NORTH	450	ND	ND	ND	ND	ND	ND	ND	
AH13-H NORTH	460	ND	ND	ND	ND	ND	ND	ND	
AH14-H NORTH	360	ND	ND	ND	ND	ND	ND	ND	
AH15-H NORTH	ND	13	ND	ND	ND	ND	ND	ND	
AH16-H EAST	160	ND	ND	ND	ND	ND	ND	ND	
AH17-H SOUTH	150	ND	ND	ND	ND	ND	ND	ND	
AH18-H SOUTH	160	ND	ND	ND	ND	ND	ND	ND	
AH19-H SOUTH	ND	ND	ND	ND	ND	ND	ND	ND	
AH20-H SOUTH	ND	ND	ND	ND	ND	ND	ND	ND	
AH21-H SOUTH	ND	ND	ND	ND	ND	ND	ND	ND	

Due to both horizontal and vertical extent being achieved, SESI determined that although most of the remediation appeared to have been completed, additional remediation would need to be performed in the areas of AH1, AH2, and AH4.

#### Remediation

Based on the findings of the sampling events, SESI, determined the best course of action was to excavate the contaminated soil to a depth of one and a half to two feet in the areas of AH1, AH2, and AH4. In March of 2021, approximately 350 yards of contaminated material were removed via shovel and backhoe. The contaminated soil was disposed of in a NMOCD-approved landfill.

Upon excavation completion, sixteen confirmation samples were taken to ensure successful remediation efforts had been completed. The samples were properly preserved and packaged then sent to Hall Laboratories for analyzation. The results of the sampling are captured in the table below.

Devon, Tomcat 16 State 13 Hall Environmental Labs: 3/8/21								
Sample Id	mple Id Chloride DRO MRO GRO Benzene Toluene Ethyl T							Total
•							benzene	Xylenes
SP1 BTM 2'	ND	ND	ND	ND	ND	ND	ND	ND
SP2 BTM 1.5'	64	ND	ND	ND	ND	ND	ND	ND
SP3 BTM 1.5'	63	ND	ND	ND	ND	ND	ND	ND
SP4 BTM 1.5'	ND	ND	ND	ND	ND	ND	ND	ND
SP5 BTM 1.5'	ND	ND	ND	ND	ND	ND	ND	ND
SP6 BTM 1.5'	150	ND	ND	ND	ND	ND	ND	ND
SP7 BTM 1.5'	150	ND	ND	ND	ND	ND	ND	ND
SP8 BTM 1.5'	ND	ND	ND	ND	ND	ND	ND	ND
SP9 BTM 1.5'	ND	ND	ND	ND	ND	ND	ND	ND
SP10 N WALL	ND	ND	ND	ND	ND	ND	ND	ND
SP11 N WALL	ND	ND	ND	ND	ND	ND	ND	ND
SP12 N WALL	ND	ND	ND	ND	ND	ND	ND	ND
SP13 E WALL	ND	ND	ND	ND	ND	ND	ND	ND
SP14 S WALL	62	ND	ND	ND	ND	ND	ND	ND
SP15 W WALL	ND	ND	ND	ND	ND	ND	ND	ND
SP16 S WALL	ND	ND	ND	ND	ND	ND	ND	ND

Once sample results verified successful remediation had been achieved, the site was backfilled with clean soil. Pictures of the remediation are included in this report.

#### **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**

Approved Work Plan Map of Release with confirmation sample locations Photos of remediation NMOCD Oil and Gas Map BLM Cave Karst Map FEMA Floodplain Map Laboratory Analysis C-141, page 6





APPROVED By Kellie Jones at 1:53 pm, Feb 04, 2016

7 of 116

1. No further action required.

# **Devon Energy Production Co LP**

## Tomcat 16 State 13 Delineation Report and Work Plan

## Unit Letter A, Section 16, T23S, R32E Lea County, New Mexico

30-025-35411

January 28, 2016 (Revised February 1, 2016)



**Prepared for:** 

Devon Energy Production Co., LP PO Box 250 Artesia, New Mexico 88211

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Street Hobbs, New Mexico 88240 (575) 397-0510

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#### TABLE OF CONTENTS

1
1
1
2
2
2
0 9

Page 9 of 116

#### I. Company Contacts

Representative	Company	Telephone	E-mail
Brett Fulks	Devon Energy Prod.	575-748-1844	Brett.Fulks@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

#### II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy to perform site delineation on the Tomcat 16 State #013, concerning a Seventy Five (75) bbl. release comprising of produced water. This site is situated in Eddy County, Section 16, Township 23S, and Range 32E.

According to the C-141: A cap detached from the stuffing box causing the unit to continually run. This resulted in a combined fluid loss of 87 Bbl. The fluid impacted the well pad, as well at the pasture area. The well was shut in, and the rod blow out preventer was screwed in, so that further release would be prevented. A vacuum truck was utilized to recover and remove more than half of the fluid. SESI was contacted to assess the site, whereby a Trimble Juno device was utilized to map the spill area. The total area of impact is estimated to be 13,462 sq. ft. The NMOCD was notified on January 11, 2016 and the C-141 filed and stamped by the same on January 14, 2016 assigning this event number **1RP-1405** (Appendix A).

#### III. Surface and Ground Water

There is no record of groundwater in the immediate vicinity of the site location. According to the topography map for Lea County the depth to ground water for Section 16, Township 23S, Range 32E is approximately 450' bgs. Further research of the New Mexico Office of the State Engineer records indicate the average depth to groundwater for the area to be 519' bgs. Thereby, posing no eminent threat or danger to life forms in the area.

#### IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 250 mg/kg (PPM) is also required.

Depth to Ground Water:						
(Vertical distance from contaminants to	Less than 50 feet	20 points				
seasonal high water elevation of	50 feet to 99 feet	10 points				
groundwater)	>100 feet	0 points X				
Wellhead Protection Area:						
(Less than 200 feet from a private domestic	Yes	20 points				
water source; or less than 1000 feet from all No 0 points X						
other water sources)						
Distance to Surface Water:						

Devon Energy Production Eddy County, New Mexico

(Horizontal distance to perennial lakes,	Less than 200 feet	20 points	
ponds, rivers, streams, creeks, irrigation	200 feet to 1000 feet	10 points	
canals and ditches)	>1000 feet	0 points	X
RANKING SCORE (TOTAL POINTS)			0

#### V. Work Performed

On January 14, 2016 SESI was onsite to photograph, assess and map the spill area.

On January 21, 2016 SESI personnel returned to the site, in order to conduct a vertical and horizontal delineation of the impacted area. Whereby, it was determined that Four (4) Test Trenches should be excavated in order to properly ascertain the vertical extent of the impact. Representative soil samples were properly packaged, preserved and transported to Cardinal Laboratories, Hobbs New Mexico and analyzed for BTEX (Method H600154-07), Chloride (CI<sup>-</sup>) (Method SM 4500CI-B), and TPH (GRO DRO) (Method 8015M). The results of the analysis are presented in the table below:

Sample Date 01/21/2016	BTEX	Chloride (mg/kg)	GRO	DRO
Depth				
TT-1 2'	<0.300	144	<10.0	<10.0
TT-1 3'	<0.300	128	<10.0	<10.0
TT-1 5'	<0.300	160	<10.0	<10.0
TT-2 5'	<0.300	672	<10.0	23.6
TT-3 5'	<0.300	624	<10.0	<10.0
TT-4 3'	<0.300	384	<10.0	<10.0
TT-4 5'	< 0.300	144	<10.0	<10.0

Due to livestock presence in the area: Custom Welding of Hobbs removed oily surface residue as a preventative measure. There was approximately 40 yards of impacted soil stockpile that will be removed to an NMOCD approved facility.

#### VI. Action Plan

Due to the results listed above the following action plan is proposed:

Excavate and treat impacted soil 2' bgs., utilizing RX soil amendment. Discrete samples will be taken from the sides and bottom of the excavation area. The representative soil samples will be taken to a commercial laboratory for final analysis and confirmation. The excavated area will be lined with 20 mil. Liner, for in place treatment of impacted soil.

Upon completion of all approved remediation activity SESI will submit complete final closure documentation regarding this incident, on behalf of Devon Energy to all parties of concern.

Devon Energy Production Eddy County, New Mexico

#### VII. Figures & Appendices

Figure 1 – Vicinity Map Figure 2 – Site Plan Appendix A – C-141 Appendix B – Groundwater Appendix C – Analytical Results Appendix D – Photo Documentation

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Figure 1 Vicinity Map Received by OCD: 5/4/2021 1:11:58 PM

Tank 8 <sup>X</sup>Oil or Gas Well 9

© 2015 Google

.

Devon Tomcat 16

# Google earth

Imageny Date: 2/13/2014 32°19'15.08" N 103°42'12.13" W elev 3573 ft eye alt 34962 ft 💽

Devon Energy Production Eddy County, New Mexico

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Figure 2 Site Plan



# Google earth

ITT1 @ 5'

R

*Tomcat 16 State #13 January 15, 2016*  Devon Energy Production Eddy County, New Mexico

## Appendix A C-141

#### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. 313 6 00 5 0 5

Form C-141 Revised August 8, 2011
priate District Office in

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

	Santa Fe,	NM	87505	
Release	Notification	and	Corrective	Action

		OPERATOR	🛛 Initial Report	Final Repor
Name of Company Devon Energy	Production	Contact Ruben Garcia	Production Assistant Foreman	
Address 6488 Seven Rivers Hwy A	rtesia, NM 88220	Telephone No. 575.748.	5209	
Facility Name Tomcat 16 State 13		Facility Type Oil		
			A DY N 20.025.25	411
Surface Owner State	Mineral O	wner State	API NO. 30-025-33	411

#### LOCATION OF RELEASE

Unit Letter A	Section 16	Township 23S	Range 32E	Feet from the 660	North/South Line FNL	Feet from the 660	East/West Line FEL	County Lea
						•		<u> </u>

Latitude: 32.302652

Longitude: -103.685551

#### NATURE OF RELEASE

Type of Release Spill Produced water & Oil	Volume of Release	Volume Re	covered			
	50 BBL Produced water & 37	42 BBL Pro	duced water & 33 BBL Oil			
Source of Belease Stuffing box leak	Date and Hour of Occurrence	Date and H	our of Discovery			
Source of Release Stuffing box leak	1/11/16 @ 11:30 am	1/11/16 @ 1	1:30 am			
Was Immediate Notice Given?	If YES, To Whom?					
🛛 Yes 🗌 No 🗌 Not Required	OCD Thomas Oberdin					
	OCD – Kellie Jones					
By Whom? Ruben Garcia Production Assistant Foreman	Date and Hour					
	1/11/16 @ 2:16 pm 1/13/16 @ 1:00 pm					
Was a Watarcourse Deschad?	If VES. Volume Impacting the Wa	tercourse				
Ves X No	N/A		· · ·			
			· · · · · · · · · · · · · · · · · · ·			
If a Watercourse was Impacted, Describe Fully.* N/ A						
Describe Cause of Bushlem and Bornadial Action Takon *		• .				
The cap off the stuffing box broke off and unit continued to run. The well	l was shut in and rod blow out prevente	er was screwe	d in to prevent further release.			
			L			
Describe Area Affected and Cleanup Action Taken.*		analogood Am	movimately 42 PPI			
An approximant total of 50 BBL of produced water was released and an	approximant total of 5/ BBL of oil was	s released. Ap	proximately 42 BBC			
produced water recovered and approximately 55 BBL of recovered. This	released 4 BBL produced water recov	vered and 3 BI	BL oil recovered. This took			
blip place on the east and west side of stuffing box	Teleased. • DDD produced water recov					
Off the pad on the north side on a 54 x 36 area 4 BBL of produced water	& 3 BBL of oil was released. 2 BBL p	oroduced wate	r recovered and 2 BBL oil			
recovered.	-					
Off the pad on the west side on a 138 x 180 area 40 BBL of produced wa	ter & 30 BBL of oil was released. 36 E	3BL produced	water was recovered and 28			
BBL of oil was recovered. A vacuum truck was called out for recovery a	nd an environmental agency will be co	ntacted for ren	mediation.			
I hereby certify that the information given above is true and complete to	the best of my knowledge and understa	and that pursu	ant to NMOCD rules and			
regulations all operators are required to report and/or file certain release	notifications and perform corrective ac	tions for relea	ses which may endanger			
public health or the environment. The acceptance of a C-141 report by the	te contemination that nose a threat to a	does not rene	surface water human health			
should their operations have failed to adequately investigate and remedia $a_{\rm remove}$ is addition NMOCD acceptance of a C-141 report	does not relieve the operator of response	sibility for cor	upliance with any other			
federal state or local laws and/or regulations	does not reneve the operator of respons	5101110 101 001				
Tederal, state, of focal laws and of regulations.	OIL CONSERV	VATIONI	DIVISION			
Signature: Teanette Barron			<u> </u>			
Printed Name: Jeanette Barron	Approved by Environmental Specialist:					
	01/14/2016					
Title: Field Admin Support	Approval Date: 01/1-//2010	Expiration D	ate: 05/14/2010			
	Conditions of Approval:					
E-mail Address: Jeanette.barron(a) dvn.com	.com Conditions of Approval: Site samples required. Delineate and remediate					

1/13/16

Date:

Phone: 575.748.1813

as per MNOCD guides. Geotag photographs of

remediation recommended.

1RP-1405

# Appendix B Site Photographs

#### Devon Energy Tomcat 16 State 13 API 30-025-35411



Leak Source location 01-14-16



View of pad looking Northwest



Close up of soil impact



View looking North of pad area



Spill run exiting West sit of pad to pasture



Pasture impact traversing west of pad area

*Tomcat 16 State #13 January 28, 2016*  Devon Energy Production Eddy County, New Mexico

# **Appendix C – Analytical Results**



January 27, 2016

Bob Allen Safety & Environmental Solutions 703 East Clinton Hobbs, NM 88240

RE: TOMCAT 16 STATE #13

Enclosed are the results of analyses for samples received by the laboratory on 01/22/16 11:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-1, 2' (H600154-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	<10.0	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	84.5 9	% 35-147							
Surrogate: 1-Chlorooctadecane	83.3 9	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-1, 3' (H600154-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	<10.0	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	77.5 %	35-147							
Surrogate: 1-Chlorooctadecane	78.2 %	6 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-1, 5' (H600154-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	<10.0	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	82.8 %	% 35-147							
Surrogate: 1-Chlorooctadecane	85.1 %	6 28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-2, 5' (H600154-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	23.6	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	81.69	% 35-147							
Surrogate: 1-Chlorooctadecane	77.2 9	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-3, 5' (H600154-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	<10.0	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	80.3 9	35-147							
Surrogate: 1-Chlorooctadecane	81.0 9	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-4, 3' (H600154-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	<10.0	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	81.0 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	80.0 %	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	01/22/2016	Sampling Date:	01/21/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	TOMCAT 16 STATE #13	Sampling Condition:	Cool & Intact
Project Number:	DEV-16-001	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

#### Sample ID: TT-4, 5' (H600154-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2016	ND	1.99	99.7	2.00	0.268	
Toluene*	<0.050	0.050	01/26/2016	ND	1.93	96.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	1.77	88.5	2.00	2.28	
Total Xylenes*	<0.150	0.150	01/26/2016	ND	5.43	90.5	6.00	2.12	
Total BTEX	<0.300	0.300	01/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/25/2016	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2016	ND	201	101	200	0.838	
DRO >C10-C28	<10.0	10.0	01/25/2016	ND	187	93.6	200	1.58	
Surrogate: 1-Chlorooctane	80.3 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	78.9%	6 28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

#### Received by OCD: 5/4/2021 1:11:58 PM

Sampi Relinquished By: 22-0124. In no e-wet abot Cardnal be fathe for incidental or sontequerial damages, including sufficed indigition, bounders identifyion, lost of urs, or logit of profit incurred by stori, its storigation, rt EX 35 HOT 5: Uniting and Damages. Cardinal's fability and elser's wedanity rinnedy for any define eding whather saved in source of edits of the encourt paid by the elsert for the any just. At alians the bading these to condigence and any other same whatto ever that be deamed watved uptart and in walling and resolved by Cardinal Within 30 days after some differentiation of the appendix of the state of the second Fax #: Sampler - UPS - Bus - Other; minies or processor adding out of or raddad to the performance of anyiers harsupport by Cardnal, repriders of whether such data it based spon any of the shore integrations or otherwise. Project Location: city: HOBBS Project #: U Phone #: Project Name: Address: 703 E. Project Manager: Company Name: )elivered By: FOR LAB USE ONLY 00154-LAB I.D. Cardinal cannot accept verbal changes, Please fax written changes to 915-070-7020. er Relinquisi 505 (505) 397-0510 ARDINAL LABORATORIES, 20 Q Š 3 0 P SEST Circle One )ed: omie 2111 Beechwood, Abilene, TX 79603. CLINTON, L 4388 (915) 673-7001 Fax (915) 673-7020 NCO Sample I.D. OO Project Owner: State: NM Zlp: #103 V Da Data 9 D.C. 00 N 22 8 Ne R 6 (G)RAB OR (C)OMP. 6 88240 # CONTAINERS PLO GROUNDWATER Received By: INC. Received 4 No. ample Condition WASTEWATER Yes Tres MATYUX × SOIL No 2 101: East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476 BY OIL SLUDGE No Lab Stall Phone Fax #: State: City: Alln: OTHER : Address: Company: BHL TOACID: PRES. CHEOKED BY: \* × ICE / COOL Multials) OTHER : SAME 419 DATE SAMPLING E a Zlp: PO #: P REMARKS: Fax Result: ¢ Phone Result .. 200 T ÷ŵ TIME w R 6 £ CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Yes 4 2 Q Additional Fax #: ANALYSIS Terme and Conditione: interest will be charged on all accounts more than 30 days paul due al the rele of 24% per annum from the original date of involve. and al posts of polections, including attomey's fees. REQUEST Page 0 Page 10 of 10

Released to Imaging: 10/12/2022 11:03:56 AM



Received by OCD: 5/4/2021 1:11:58 PM



# Devon, Tomcat 16 State 13



5/4/	2021, 0.34.497								
Wells	s - Large Scale	¥	CO2, Temporarily Abandoned	r	Injection, Cancelled	•	Oil, Plugged	۵	Water, Active
?	undefined	☆	Gas, Active	r	Injection, New	•	Oil, Temporarily Abandoned	4	Water, Cancelled
0	Miscellaneous	4	Gas, Cancelled	r	Injection, Plugged	۵	Salt Water Injection, Active	٠	Water, New
¥	CO2, Active	☆	Gas, New	r	Injection, Temporarily Abandoned		Salt Water Injection, Cancelled	٠	Water, Plugged
*	CO2, Cancelled	☆	Gas, Plugged	•	Oil, Active	۵	Salt Water Injection, New	٠	Water, Temporarily Abandoned
¥	CO2, New	☆	Gas, Temporarily Abandoned	۰	Oil, Cancelled	۵	Salt Water Injection, Plugged	*	OCD District Offices
¥	CO2, Plugged	¢,	Injection, Active	•	Oil, New	۵	Salt Water Injection, Temporarily Abandoned		

Released to Imaging: 10/12/2022 11:03:56 AM

New Mexico Oil Conservation Division NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD

## Devon, Tomcat 16 State 13

BLM Cave Karst Map nKJ1601426766 pKJ1601427103 1RP-1405 Legend Low potential SPILL AREA

N

1 mi

AH-7AH-9AH-1

Google Earth

**CR2121 CO29** Imaging: 10/12/2022 11:03:56 AM

# National Flood Hazard Layer FIRMette



#### Legend

regulatory purposes.

Page 35 of 116



Releasea to Imaging: 10/12/2022 PP:03:56 AM 1,500

Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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May 13, 2020

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

RE: Devon Tomcat 16 State 13

OrderNo.: 2005277

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 18 sample(s) on 5/7/2020 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109
Hall Environmental Analysis Laboratory, Inc.			Analytical Report Lab Order 2005277 Date Reported: 5/13/202					
CLIENT: Safety & Environmental Solut	ions	Client	t Sample I	<b>D:</b> Al	H-1 Surface			
Lab ID:         2005277-001	Matrix: SOIL	Re	ceived Dat	te: 5/3	7/2020 9:15:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: CAS		
Chloride	920	60	mg/Kg	20	5/9/2020 5:53:57 PM	52365		

Qualifiers:

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

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

Page 1 of 22

Lab ID:

Analytical Report Lab Order 2005277

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2005277-002

Devon Tomcat 16 State 13

Date Reported: 5/13/2020

Client Sample ID: AH-1 2' Collection Date: 5/5/2020 9:35:00 AM Received Date: 5/7/2020 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	130	60	mg/Kg	20	5/9/2020 6:30:57 PM	52365
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/11/2020 6:54:05 PM	52347
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/11/2020 6:54:05 PM	52347
Surr: DNOP	92.0	55.1-146	%Rec	1	5/11/2020 6:54:05 PM	52347
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/10/2020 7:07:50 AM	52339
Surr: BFB	98.0	66.6-105	%Rec	1	5/10/2020 7:07:50 AM	52339
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	5/10/2020 7:07:50 AM	52339
Toluene	ND	0.049	mg/Kg	1	5/10/2020 7:07:50 AM	52339
Ethylbenzene	ND	0.049	mg/Kg	1	5/10/2020 7:07:50 AM	52339
Xylenes, Total	ND	0.098	mg/Kg	1	5/10/2020 7:07:50 AM	52339
Surr: 4-Bromofluorobenzene	94.0	80-120	%Rec	1	5/10/2020 7:07:50 AM	52339

Matrix: SOIL

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

Qualifiers:

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

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

Page 2 of 22

Hall Environmental Analysis Laboratory, Inc.				Analytical ReportLab Order 2005277Date Reported: 5/13/2					
CLIENT:	Safety & Environmental Soluti	ons	Clier	nt Sample II	<b>D:</b> AH-2 Surface				
Project:	Devon Tomcat 16 State 13		Co	llection Dat	e: 5/5/2020 9:40:00 AM				
Lab ID:	2005277-003	Matrix: SOIL	<b>Received Date:</b> 5/7/2020 9:15:00 AM						
Analyses		Result	RL Q	ual Units	DF Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS				Analys	t: CAS			
Chloride		8800	600	mg/Kg	200 5/10/2020 7:05:47 PM	52365			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 3 of 22

Lab ID:

Analytical Report Lab Order 2005277

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2005277-004

Devon Tomcat 16 State 13

Date Reported: 5/13/2020

Client Sample ID: AH-2 2' Collection Date: 5/5/2020 10:00:00 AM Received Date: 5/7/2020 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	350	60	mg/Kg	20	5/9/2020 6:55:38 PM	52365
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/11/2020 7:18:16 PM	52347
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/11/2020 7:18:16 PM	52347
Surr: DNOP	88.0	55.1-146	%Rec	1	5/11/2020 7:18:16 PM	52347
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/10/2020 7:31:28 AM	52339
Surr: BFB	94.8	66.6-105	%Rec	1	5/10/2020 7:31:28 AM	52339
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	5/10/2020 7:31:28 AM	52339
Toluene	ND	0.049	mg/Kg	1	5/10/2020 7:31:28 AM	52339
Ethylbenzene	ND	0.049	mg/Kg	1	5/10/2020 7:31:28 AM	52339
Xylenes, Total	ND	0.098	mg/Kg	1	5/10/2020 7:31:28 AM	52339
Surr: 4-Bromofluorobenzene	91.6	80-120	%Rec	1	5/10/2020 7:31:28 AM	52339

Matrix: SOIL

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 4 of 22

Hall Environmental Analysis Laboratory, Inc.				Analytical Report Lab Order 2005277 Date Reported: 5/13/2020					
CLIENT:	Safety & Environmental Solution	ons	Cli	ent Sa	mple II	D: Al	H-3 Surface		
Project:	Devon Tomcat 16 State 13		C	ollecti	ion Dat	<b>e:</b> 5/5	5/2020 10:05:00 AM		
Lab ID:	2005277-005	Matrix: SOIL	]	Receiv	ed Dat	e: 5/7	7/2020 9:15:00 AM		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS						Analys	t: CAS	
Chloride		360	60		mg/Kg	20	5/9/2020 7:07:59 PM	52365	

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 5 of 22

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**Analytical Report** Lab Order 2005277

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

**Project:** Devon Tomcat 16 State 13

Date Reported: 5/13/2020 Client Sample ID: AH-3 1' Collection Date: 5/5/2020 10:15:00 AM

Lab ID: 2005277-006	Matrix: SOIL		Received Dat	e: 5/	7/2020 9:15:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	130	59	mg/Kg	20	5/9/2020 7:20:20 PM	52365
EPA METHOD 8015M/D: DIESEL	RANGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/11/2020 7:42:45 PM	52347
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/11/2020 7:42:45 PM	52347
Surr: DNOP	75.3	55.1-146	%Rec	1	5/11/2020 7:42:45 PM	52347
EPA METHOD 8015D: GASOLINE	RANGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/10/2020 7:55:05 AM	52339
Surr: BFB	95.9	66.6-105	%Rec	1	5/10/2020 7:55:05 AM	52339
EPA METHOD 8021B: VOLATILE	S				Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	5/10/2020 7:55:05 AM	52339
Toluene	ND	0.049	mg/Kg	1	5/10/2020 7:55:05 AM	52339
Ethylbenzene	ND	0.049	mg/Kg	1	5/10/2020 7:55:05 AM	52339
Xylenes, Total	ND	0.098	mg/Kg	1	5/10/2020 7:55:05 AM	52339
Surr: 4-Bromofluorobenzene	92.9	80-120	%Rec	1	5/10/2020 7:55:05 AM	52339

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

**Qualifiers:** 

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 22

Hall Environmental Analysis Laboratory, Inc.				Analytical Report Lab Order 2005277 Date Reported: 5/13/20/					
CLIENT: Project:	Safety & Environmental Solutio Devon Tomcat 16 State 13	ons	Clie Co	nt Sample II Illection Dat	<b>D:</b> AH-4 Surface <b>e:</b> 5/5/2020 10:30:00 AM				
Lab ID:	2005277-007	Matrix: SOIL	R	eceived Dat	<b>e:</b> 5/7/2020 9:15:00 AM				
Analyses		Result	RL (	Qual Units	DF Date Analyzed	Batch			
EPA METH	10D 300.0: ANIONS				Analys	t: CAS			
Chloride		5300	300	mg/Kg	100 5/10/2020 7:42:51 PM	52365			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 7 of 22

Lab ID:

Analytical Report Lab Order 2005277

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2005277-008

Devon Tomcat 16 State 13

Lab Order 2005277 Date Reported: 5/13/2020

Client Sample ID: AH-4 2' Collection Date: 5/5/2020 11:10:00 AM Received Date: 5/7/2020 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	330	60	mg/Kg	20	5/9/2020 7:44:59 PM	52365
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/11/2020 8:06:50 PM	52347
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/11/2020 8:06:50 PM	52347
Surr: DNOP	78.9	55.1-146	%Rec	1	5/11/2020 8:06:50 PM	52347
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/10/2020 8:18:40 AM	52339
Surr: BFB	95.4	66.6-105	%Rec	1	5/10/2020 8:18:40 AM	52339
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	5/10/2020 8:18:40 AM	52339
Toluene	ND	0.048	mg/Kg	1	5/10/2020 8:18:40 AM	52339
Ethylbenzene	ND	0.048	mg/Kg	1	5/10/2020 8:18:40 AM	52339
Xylenes, Total	ND	0.096	mg/Kg	1	5/10/2020 8:18:40 AM	52339
Surr: 4-Bromofluorobenzene	91.2	80-120	%Rec	1	5/10/2020 8:18:40 AM	52339

Matrix: SOIL

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

Qualifiers:

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

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

Page 8 of 22

Hall Environmental Analysis Laboratory, Inc.				Analytical Report Lab Order 2005277 Date Reported: 5/13/202					
CLIENT:	Safety & Environmental Solution	ons	Cl	ient Sa	ample I	D: Al	H-5 Surface		
<b>Project:</b>	Devon Tomcat 16 State 13		(	Collect	tion Dat	e: 5/5	5/2020 11:30:00 AM		
Lab ID:	2005277-009	Matrix: SOIL		Recei	ved Dat	e: 5/7	7/2020 9:15:00 AM		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS						Analys	t: CAS	
Chloride		ND	61		mg/Kg	20	5/9/2020 8:22:01 PM	52365	

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 9 of 22

Analytical Report Lab Order 2005277

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tomcat 16 State 13

Date Reported: 5/13/2020 Client Sample ID: AH-5 1' Collection Date: 5/5/2020 11:45:00 AM Received Date: 5/7/2020 9:15:00 AM

Lab ID: 2005277-010	Matrix: SOIL	<b>Received Date:</b> 5/7/2020 9:15:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	ND	60	mg/Kg	20	5/9/2020 8:34:22 PM	52365		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/11/2020 8:31:05 PM	52347		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/11/2020 8:31:05 PM	52347		
Surr: DNOP	82.3	55.1-146	%Rec	1	5/11/2020 8:31:05 PM	52347		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/10/2020 8:42:18 AM	52339		
Surr: BFB	95.4	66.6-105	%Rec	1	5/10/2020 8:42:18 AM	52339		
EPA METHOD 8021B: VOLATILES					Analyst	: RAA		
Benzene	ND	0.023	mg/Kg	1	5/10/2020 8:42:18 AM	52339		
Toluene	ND	0.047	mg/Kg	1	5/10/2020 8:42:18 AM	52339		
Ethylbenzene	ND	0.047	mg/Kg	1	5/10/2020 8:42:18 AM	52339		
Xylenes, Total	ND	0.094	mg/Kg	1	5/10/2020 8:42:18 AM	52339		
Surr: 4-Bromofluorobenzene	91.5	80-120	%Rec	1	5/10/2020 8:42:18 AM	52339		

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

Qualifiers:

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

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

Page 10 of 22

Hall Environmental Ana	Analytical Report Lab Order 2005277 NC. Date Reported: 5/13/2020					
CLIENT: Safety & Environmental	Solutions	Client	t Sample I	D: Al	H-6 Surface	
<b>Project:</b> Devon Tomcat 16 State	13	Coll	lection Dat	t <b>e:</b> 5/5	5/2020 12:20:00 PM	
Lab ID: 2005277-011	Matrix: SOIL	Re	ceived Dat	te: 5/7	7/2020 9:15:00 AM	
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CAS
Chloride	270	59	mg/Kg	20	5/9/2020 8:46:42 PM	52365

Qualifiers:

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

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

Page 11 of 22

Analytical Report Lab Order 2005277

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Date Reported: 5/13/2020
Client Sample ID: AH-6 1'

**Project:** Devon Tomcat 16 State 13 Collection Date: 5/5/2020 12:35:00 PM Lab ID: 2005277-012 Matrix: SOIL Received Date: 5/7/2020 9:15:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch Analyses **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 130 60 mg/Kg 20 5/9/2020 8:59:03 PM 52365 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: BRM **Diesel Range Organics (DRO)** ND 9.7 mg/Kg 1 5/11/2020 8:55:16 PM 52347 Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 5/11/2020 8:55:16 PM 52347 Surr: DNOP 96.5 %Rec 5/11/2020 8:55:16 PM 55.1-146 1 52347 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 5/10/2020 9:05:58 AM 52339 47 mg/Kg 1 Surr: BFB 97.2 66.6-105 %Rec 5/10/2020 9:05:58 AM 52339 1 **EPA METHOD 8021B: VOLATILES** Analyst: RAA ND 5/10/2020 9:05:58 AM 52339 Benzene 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 5/10/2020 9:05:58 AM 52339 Ethylbenzene ND 0.047 mg/Kg 1 5/10/2020 9:05:58 AM 52339 Xylenes, Total ND 0.094 mg/Kg 5/10/2020 9:05:58 AM 52339 1 Surr: 4-Bromofluorobenzene 95.6 80-120 %Rec 1 5/10/2020 9:05:58 AM 52339

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- Page 12 of 22

Hall Environmental Analysis Laboratory, Inc.			C. Analytical Report Lab Order 2005277 Date Reported: 5/13/2020					
CLIENT: Safety & Environmental Solut	ions	Client	t Sample I	<b>D:</b> Al	H-7 Surface			
Lab ID:         2005277-013	Matrix: SOIL	Collection Date: 5/5/2020 1:00:0           SOIL         Received Date: 5/7/2020 9:15:0						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: CAS		
Chloride	ND	60	mg/Kg	20	5/9/2020 9:11:23 PM	52365		

**Qualifiers:** 

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

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

Page 13 of 22

Analytical Report Lab Order 2005277

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Project: Devon Tomcat 16 State 13

Date Reported: 5/13/2020 Client Sample ID: AH-7 1' Collection Date: 5/5/2020 1:15:00 PM

Lab ID: 2005277-014 Analyses EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RAN Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RA Gasoline Range Organics (GRO) Surr: BFB EPA METHOD 8021B: VOLATILES Benzene Toluene Ethylbenzene	Matrix: SOIL		<b>Received Date:</b> 5/7/2020 9:15:00 AM								
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METH	OD 300.0: ANIONS					Analyst	CAS				
Chloride		ND	60	mg/Kg	20	5/9/2020 9:23:43 PM	52365				
EPA METH	OD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	BRM				
Diesel Ran	ge Organics (DRO)	ND	9.5	mg/Kg	1	5/11/2020 9:19:33 PM	52347				
Motor Oil R	Range Organics (MRO)	ND	47	mg/Kg	1	5/11/2020 9:19:33 PM	52347				
Surr: DN	IOP	85.2	55.1-146	%Rec	1	5/11/2020 9:19:33 PM	52347				
EPA METH	OD 8015D: GASOLINE RA	NGE				Analyst	RAA				
Gasoline R	ange Organics (GRO)	ND	4.8	mg/Kg	1	5/10/2020 9:29:30 AM	52339				
Surr: BF	В	97.6	66.6-105	%Rec	1	5/10/2020 9:29:30 AM	52339				
EPA METH	OD 8021B: VOLATILES					Analyst	: RAA				
Benzene		ND	0.024	mg/Kg	1	5/10/2020 9:29:30 AM	52339				
Toluene		ND	0.048	mg/Kg	1	5/10/2020 9:29:30 AM	52339				
Ethylbenze	ne	ND	0.048	mg/Kg	1	5/10/2020 9:29:30 AM	52339				
Xylenes, To	otal	ND	0.097	mg/Kg	1	5/10/2020 9:29:30 AM	52339				
Surr: 4-E	Bromofluorobenzene	95.1	80-120	%Rec	1	5/10/2020 9:29:30 AM	52339				

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 14 of 22

Hall Environmental Analys	is Laboratory, In	. <b>C.</b>			Analytical Report Lab Order 2005277 Date Reported: 5/13/20	)20
CLIENT: Safety & Environmental Solut	tions	Client	t Sample II	D: Ał	I-8 Surface	
<b>Project:</b> Devon Tomcat 16 State 13		Coll	ection Dat	e: 5/5	5/2020 1:30:00 PM	
<b>Lab ID:</b> 2005277-015	Matrix: SOIL	Re	ceived Dat	e: 5/7	7/2020 9:15:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	59	mg/Kg	20	5/9/2020 9:36:03 PM	52365

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 15 of 22

**Analytical Report** Lab Order 2005277

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

**Project:** Devon Tomcat 16 State 13

Date Reported: 5/13/2020 Client Sample ID: AH-8 1'

Collection Date: 5/5/2020 1:40:00 PM

Lab ID: 2005277-016	Matrix: SOIL		Received Dat	e: 5/7	7/2020 9:15:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	5/9/2020 9:48:23 PM	52365
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	5/11/2020 9:43:45 PM	52347
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/11/2020 9:43:45 PM	52347
Surr: DNOP	93.8	55.1-146	%Rec	1	5/11/2020 9:43:45 PM	52347
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/10/2020 9:52:50 AM	52339
Surr: BFB	98.0	66.6-105	%Rec	1	5/10/2020 9:52:50 AM	52339
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	5/10/2020 9:52:50 AM	52339
Toluene	ND	0.050	mg/Kg	1	5/10/2020 9:52:50 AM	52339
Ethylbenzene	ND	0.050	mg/Kg	1	5/10/2020 9:52:50 AM	52339
Xylenes, Total	ND	0.10	mg/Kg	1	5/10/2020 9:52:50 AM	52339
Surr: 4-Bromofluorobenzene	95.8	80-120	%Rec	1	5/10/2020 9:52:50 AM	52339

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

**Qualifiers:** 

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 16 of 22

Hall Environmental Analysi	is Laboratory, In	I <b>C.</b>			Analytical Report Lab Order 2005277 Date Reported: 5/13/2	020
CLIENT: Safety & Environmental Solut	ions	Clien	t Sample I	<b>D:</b> Al	H-9 Surface	
Project:         Devon Tomcat 16 State 13           Lab ID:         2005277-017	Matrix: SOIL	Re	eccived Dat	e: 5/3	7/2020 1:50:00 PM 7/2020 9:15:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: CAS
Chloride	ND	61	mg/Kg	20	5/9/2020 10:00:44 PM	52365

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 17 of 22

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Released to Imaging: 10/12/2022 11:03:56 AM

**Analytical Report** Lab Order 2005277

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tomcat 16 State 13

Date Reported: 5/13/2020 Client Sample ID: AH-9 1' Collection Date: 5/5/2020 2:00:00 PM

Lab ID:	2005277-018	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 5/′	7/2020 9:15:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CAS
Chloride		ND	60	mg/Kg	20	5/9/2020 10:13:04 PM	52365
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	5/11/2020 10:08:02 PM	52347
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	5/11/2020 10:08:02 PM	52347
Surr: I	ONOP	92.0	55.1-146	%Rec	1	5/11/2020 10:08:02 PM	52347
EPA MET	HOD 8015D: GASOLINE RA	ANGE				Analyst	RAA
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	5/10/2020 10:16:17 AM	52339
Surr: I	BFB	98.4	66.6-105	%Rec	1	5/10/2020 10:16:17 AM	52339
EPA MET	HOD 8021B: VOLATILES					Analyst	RAA
Benzene		ND	0.024	mg/Kg	1	5/10/2020 10:16:17 AM	52339
Toluene		ND	0.049	mg/Kg	1	5/10/2020 10:16:17 AM	52339
Ethylben	zene	ND	0.049	mg/Kg	1	5/10/2020 10:16:17 AM	52339
Xylenes,	Total	ND	0.098	mg/Kg	1	5/10/2020 10:16:17 AM	52339
Surr: 4	4-Bromofluorobenzene	96.3	80-120	%Rec	1	5/10/2020 10:16:17 AM	52339

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

**Qualifiers:** 

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL

Reporting Limit

Page 18 of 22

Client: Project:	Safet Devo	ty & Environme on Tomcat 16 S	ental Sc tate 13	olutions							
Sample ID:	MB-52365	SampT	ype: <b>m</b> t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 52	365	F	RunNo: <b>6</b> 8	3777				
Prep Date:	5/9/2020	Analysis D	ate: <b>5</b> /	9/2020	S	SeqNo: 23	379987	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-52365	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 52	365	F	RunNo: <b>68</b>	3777				
Prep Date:	5/9/2020	Analysis Da	ate: <b>5</b> /	9/2020	S	SeqNo: 23	379988	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.9	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 19 of 22

2005277

13-May-20

WO#:

#### Released to Imaging: 10/12/2022 11:03:56 AM

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Sat Project: De	fety & Environm von Tomcat 16	nental So State 13	olutions								
Sample ID: LCS-52347	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: LCSS	Bato	ch ID: 52	347	F	RunNo: 6	8785					
Prep Date: 5/8/2020	Analysis	Date: <b>5</b> /	11/2020	S	eqNo: 2	380866	Units: <b>mg/K</b>	٤g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO	) 50	10	50.00	0	99.0	70	130				
Surr: DNOP	4.0		5.000		80.4	55.1	146				
Sample ID: MB-52347	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: PBS	Bato	ch ID: 52	347	F	RunNo: 6	8785					
Prep Date: 5/8/2020	Analysis	Date: <b>5</b> /	11/2020	S	eqNo: 2	380867	Units: <b>mg/K</b>	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO	) ND	10									
Motor Oil Range Organics (MI	RO) ND	50									
Surr: DNOP	9.0		10.00		90.2	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 Quanitative 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 20 of 22

WO#: 2005277 13-May-20

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Safety &	& Environm	ental Sc	olutions							
Project:	Devon	Fomcat 16 S	State 13								
Sample ID:	lcs-52339	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	n ID: <b>52</b>	339	F	RunNo: 68	8773				
Prep Date:	5/7/2020	Analysis D	)ate: <b>5</b> /	9/2020	S	SeqNo: 2	379667	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	5.0	25.00	0	90.4	80	120			
Surr: BFB		1100		1000		110	66.6	105			S
Sample ID:	mb-52339	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: <b>52</b>	339	F	RunNo: 68	8773				
Prep Date:	5/7/2020	Analysis D	)ate: <b>5</b> /	9/2020	S	SeqNo: 2	379669	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND 1000	5.0	1000		104	66 6	105			
		1000		1000		104	00.0	100			
Sample ID:	mb-52369	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: <b>52</b>	369	F	RunNo: 68	8802				
Prep Date:	5/9/2020	Analysis D	)ate: <b>5</b> /	11/2020	S	SeqNo: 2	380989	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		980		1000		98.2	66.6	105			
Sample ID:	lcs-52369	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	n ID: <b>52</b>	369	F	RunNo: 6	8802				
Prep Date:	5/9/2020	Analysis D	)ate: <b>5</b> /	11/2020	S	SeqNo: 2	380990	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		106	66.6	105			S

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 21 of 22

2005277

13-May-20

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Safety a	& Environm	ental So	olutions							
Project:	Devon	Tomcat 16 S	State 13								
Sample ID:	LCS-52339	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batc	n ID: 523	339	F	RunNo: 6	8773				
Prep Date:	5/7/2020	Analysis E	)ate: <b>5</b> /	9/2020	S	eqNo: 2	379751	Units: <b>mg/K</b>	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.83	0.025	1.000	0	82.8	80	120			
Toluene		0.88	0.050	1.000	0	87.8	80	120			
Ethylbenzene		0.88	0.050	1.000	0	88.5	80	120			
Xylenes, Total		2.6	0.10	3.000	0	88.3	80	120			
Surr: 4-Brom	ofluorobenzene	0.96		1.000		95.9	80	120			
Sample ID:	mb-52339	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batcl	n ID: 52:	339	F	RunNo: 6	8773				
Prep Date:	5/7/2020	Analysis E	)ate: 5/	9/2020	S	eqNo: 2	379753	Units: <b>mg/K</b>	(g		
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-Brom	ofluorobenzene	0.99		1.000		98.9	80	120			
Sample ID:	mb-52369	SampT	уре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	PBS	Batc	n ID: 52:	369	F	RunNo: 6	8802				
Prep Date:	5/9/2020	Analysis [	)ate: <b>5/</b>	11/2020	S	eqNo: 2	381030	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	0.94		1.000		94.1	80	120			
Sample ID:	LCS-52369	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batcl	n ID: 52:	369	F	RunNo: 6	8802				
Prep Date:	5/9/2020	Analysis [	)ate: <b>5</b> /	11/2020	S	eqNo: 2	381031	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	0.94		1.000		93.8	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 Quanitative 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 22

2005277

13-May-20

WO#:

Released to Imaging: 10/12/2022 11:03:56 AM

HALL ENVIRONI ANALYSIS LABORAT	MENTAL B Ory	Hall Environmenta All TEL: 505-345-397. Website: www.h	l Analy. 490 puquerq 5 FAX: allenvir	sis Laborator 1 Hawkins N ue, NM 8716 505-345-416 onmental.com	ry <sup>7E</sup> 09 <b>Sar</b> <sup>77</sup>	Sample Log-In Check Lis							
Client Name: Safe	ety Env Solutions	Work Order Number	: 2008	277		RcptNc	»: <b>1</b>						
Received By: De	siree Dominguez	5/7/2020 9:15:00 AM			D>								
Completed By: De	siree Dominguez	5/7/2020 10:33:14 AN	( ) ( )		THE								
Reviewed By: OA	0 5/7/20				12								
Chain of Custody	2												
1. Is Chain of Custod	y sufficiently complete?		Yes	$\checkmark$	No 🗌	Not Present							
2. How was the samp	ble delivered?		Cour	ier									
Log In													
<ol><li>Was an attempt ma</li></ol>	ade to cool the samples?		Yes		No 🗌	NA 🗌							
4. Were all samples re	eceived at a temperature	of >0° C to 6.0°C	Yes		No 🗌								
5. Sample(s) in prope	r container(s)?		Yes	~	No 🗌								
5, Sufficient sample v	olume for indicated test(s)	?	Yes		No 🗌								
Are samples (excer	ot VOA and ONG) properly	/ preserved?	Yes		No 🗌								
. Was preservative a	dded to bottles?		Yes		No 🗹	NA 🗌							
. Received at least 1	vial with headspace <1/4	for AQ VOA?	Yes		No 🗌	NA 🗹	ID						
). Were any sample o	containers received broker	1?	Yes		No 🗹	tof preserved	517120						
<ol> <li>Does paperwork ma (Note discrepancies)</li> </ol>	atch bottle labels?		Yes	~	No 🗌	for pH:	r >12 unless noted						
Are matrices correc	tly identified on Chain of (	Custody?	Yes	~	No 🗍	Adjusted?							
Is it clear what anal	yses were requested?		Yes		No 🗌								
4. Were all holding tim (If no, notify custom	nes able to be met? ner for authorization.)		Yes		No 🗌	Checked by:							
pecial Handling (	(if applicable)												
5. Was client notified	of all discrepancies with t	his order?	Yes		No 🗌	NA 🗹							
Person Notifi	ed:	Date:											
By Whom:		Via: [	eMa	il 🗌 Phor	ne 🗌 Fax	In Person							
Regarding:													
Client Instruc	tions:												
6. Additional remarks	5												
7. <u>Cooler Informatic</u> Cooler No Te 1 0.3	on mp ⁰C Condition Se Good Not	al Intact Seal No S Present	Seal Da	ite Sig	gned By								

Page 1 of 1

Received	d by	OCD	: 5/4	/202	211:	11:5	8 PM	1-								-										<u> </u>	Pag	<del>е 60 о</del>	f 1.
HALL FNVTRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(O) 504	Abse Abse			05 202 202 40 70 70 70 70 70 70 70 70 70 70 70 70 70	016 310 310 310 ( 1-V( ) ) ( 1-V( ) ) ( 1-V( ) ) ( 1-V( ) ) ( 1-V( ) ) ( 1-V( ) ( 1-V( ) ( 1-V( ))) ( 1-V( ))) ( 1-V( ))) ( 1-V( )))) ( 1-V( )))) ( 1-V( ))))))))))))))))))))))))))))))))))))	15D astid 14th 1923 31, 1 31,	TPH:80 8081 Pd PPHs b RCRA 8 CI, F, E 8250 (5 Total C 7 00tal C													arks:		Perkal	Ith. Assistanted data will be clearly notated on the analytical report
						(1	208)	s,e	IME	1	38.	LM	/ X∃T8		X		X		$\ge$		$\widehat{\boldsymbol{X}}$		X		$\mathbb{R}$	Rema	C	(	- noneihil
	in	्रत्तमार्ट 12	69		101		Q'A		Lun,	D No		.3+0.0=0.3 (°C)	e HEAL No.	100 -	- 002	/ 003	- 004	- 005	~ 006	< 007	~ 00%	- 009	- 010	- 011	- 012	Date Time	5/6/20 0800	5 5/7/20 9:15	This series as police of this
d Time:		ne: Deview	208484	11 1	1-16-0	nager:	lev 2	-	Ar t	Nes /	)   ::	ID(including CF): 0	Preservative Type	100	~											Via:	/	Via: Courio	ctorodol hetiberet
Turn-Aroun	@ Standar	Project Nan	- HOLD	Project #:	B	Project Mar	H		Sampler:	On Ice:	# of Coolers	Cooler Tem	Container Type and #	]	1	1	1	1	1	1	1	)	/	/	}	Received by:	1X1	Received by:	)
n-of-Custody Record	ledy at Carl you much	ad your in	55: 722 C. CINYON	K V). M	75-297,0510			Level 4 (Full Validation)	□ Az Compliance	Other			Matrix Sample Name	0 S Att-1 Swher	5 × MH-12A	1 3 Att-2 Sular	0 5 MH-2 20	5 5 AH3 Supre	5 AH3 19	> 5 Att of Surfece	0 5 det 4 25	0 8 AN-5 Supre	5 S WH-5 1A	0 5 set to fricture	A 2 14-6 19	Relinquished by:	N D'T Hay	Relinquished by	× /
Chair	of Client:	mag	Mailing Addres	Achh	2/20	22 email or Fax#:	CONCC Package	Standard	Accreditation:	D NELAC	□ EDD (Type)		Date Time	2905020	. 099	264	1000	1005	1015	0201 (	1 1110	1 136	/ Ir4	1 1220	05/05/235	Date: Time:	29/01 28C	Slotue 190	

<i>Received by OCD: 5/4/202<mark>1 1:</mark></i>	11:58 PM	111		Page 61 of 11
<ul> <li>HALL ENVIRONMENTAL</li> <li>HALL ENVIRONMENTAL</li> <li>ANALYSIS LABORATORY</li> <li>www.hallenvironmental.com</li> <li>www.hallenvironmental.com</li> <li>Hawkins NE - Albuquerque, NM 87109</li> <li>Hawkins NE - Albuquerque, NM 87109</li> <li>505-345-3975 Fax 505-345-4107</li> <li>505-345-3975 Request</li> </ul>	Pesticides/8082 PCB's (Method 504.1) s by 8310 or 8270SIMS A 8 Metals (VOA) (VOA) (VOA) (Semi-VOA) Coliform (Present/Absent)	8081 EDB RCR RCR 8260 8270 8270 8270 8270 8260 8270 8270		Name     Nam     Name     Name     Name
490 Tel	8015D(GKO / DKO / WKO)	нат Х		marks:
	X / MTBE / TMB's (8021)	BTE)		ne Rei
sonte l' 69	D No	0152 10152 1013	- 016 - 016 - 018	Date Tir Date Tir Date Tir S/A/RU
Time: Sda Burney Colored Colored Colored Colored	ager:	Preservative Type		Via: COUCON
Turn-Around La Standarc Project Nam Project #:	Project Mana Sampler: On Ice: # of Coolers: Cooler Temp	Container Type and #		Received by: Received by:
dy Record	el 4 (Full Validation) ce	1 Subre	a for the	dall Environmental may be sut
-Custo	Z Complianc	Samp Att-	JE J	quished by:
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Client: Client		Date	100	Date:



June 11, 2020

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

RE: Devon Tomcat 16 State 13

OrderNo.: 2006230

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/4/2020 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall	<b>Environmental</b>	Analysis	Laboratory,	Inc.

CLIENT: Safety & Environmental Solutions

2006230-001

Devon Tomcat 16 State 13

Client Sample ID: AH-10-H West Surface Collection Date: 6/2/2020 9:50:00 AM Received Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	ND	60	mg/Kg	20	6/10/2020 11:38:50 AM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/6/2020 3:49:20 PM	52911
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/6/2020 3:49:20 PM	52911
Surr: DNOP	92.3	55.1-146	%Rec	1	6/6/2020 3:49:20 PM	52911
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/6/2020 6:05:37 PM	52895
Surr: BFB	90.5	66.6-105	%Rec	1	6/6/2020 6:05:37 PM	52895
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/6/2020 6:05:37 PM	52895
Toluene	ND	0.050	mg/Kg	1	6/6/2020 6:05:37 PM	52895
Ethylbenzene	ND	0.050	mg/Kg	1	6/6/2020 6:05:37 PM	52895
Xylenes, Total	ND	0.099	mg/Kg	1	6/6/2020 6:05:37 PM	52895
Surr: 4-Bromofluorobenzene	107	80-120	%Rec	1	6/6/2020 6:05:37 PM	52895

Matrix: SOIL

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

Qualifiers:

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

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

Page 1 of 17

Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

	Hall	<b>Environmental</b>	Analysis	Laboratory,	Inc.
--	------	----------------------	----------	-------------	------

CLIENT: Safety & Environmental Solutions

2006230-002

Devon Tomcat 16 State 13

Client Sample ID: AH-11-H North Surface Collection Date: 6/2/2020 10:15:00 AM Received Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	6/10/2020 11:51:11 AM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/6/2020 4:14:08 PM	52911
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/6/2020 4:14:08 PM	52911
Surr: DNOP	86.0	55.1-146	%Rec	1	6/6/2020 4:14:08 PM	52911
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2020 7:16:55 PM	52895
Surr: BFB	85.7	66.6-105	%Rec	1	6/6/2020 7:16:55 PM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/6/2020 7:16:55 PM	52895
Toluene	ND	0.049	mg/Kg	1	6/6/2020 7:16:55 PM	52895
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2020 7:16:55 PM	52895
Xylenes, Total	ND	0.097	mg/Kg	1	6/6/2020 7:16:55 PM	52895
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	6/6/2020 7:16:55 PM	52895

Matrix: SOIL

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

Qualifiers:

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

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

Page 2 of 17

**Analytical Report** Lab Order 2006230

Hall	<b>Environmental</b>	Analysis	Laboratory,	Inc.
		•/		

Hall E	Hall Environmental Analysis Laboratory, Inc.					Date Reported: 6/11/202	20
CLIENT:	Safety & Environmental Solution	ons	Cl	ient Sample II	): AF	I-12-H North Surface	
Project:	Devon Tomcat 16 State 13		(	Collection Dat	e: 6/2	2/2020 10:35:00 AM	
Lab ID:	2006230-003	Matrix: SOIL		<b>Received Dat</b>	e: 6/4	/2020 9:20:00 AM	
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: JMT
Chloride		450	60	mg/Kg	20	6/10/2020 12:03:31 PM	52998
EPA ME	THOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	6/6/2020 4:38:53 PM	52911
Motor O	il Range Organics (MRO)	ND	49	mg/Kg	1	6/6/2020 4:38:53 PM	52911
Surr:	DNOP	91.6	55.1-146	%Rec	1	6/6/2020 4:38:53 PM	52911
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2020 8:27:44 PM	52895
Surr:	BFB	84.8	66.6-105	%Rec	1	6/6/2020 8:27:44 PM	52895

Sull. DFD	04.0	00.0-105	70 Rec	1	0/0/2020 0.27.44 FM	52695
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/6/2020 8:27:44 PM	52895
Toluene	ND	0.049	mg/Kg	1	6/6/2020 8:27:44 PM	52895
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2020 8:27:44 PM	52895
Xylenes, Total	ND	0.098	mg/Kg	1	6/6/2020 8:27:44 PM	52895
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	6/6/2020 8:27:44 PM	52895

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

**Qualifiers:** 

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 17

Analytical Report
Lab Order 2006230

Date Reported: 6/11/2020

Hall	<b>Environmental</b>	Analysis	s Laboratory,	Inc.
		•		

CLIENT: Safety & Environmental Solutions

Devon Tomcat 16 State 13

Client Sample ID: AH-13-H North Surface Collection Date: 6/2/2020 10:55:00 AM Received Date: 6/4/2020 9:20:00 AM

Lab ID: 2006230-004	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/4	4/2020 9:20:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	460	60	mg/Kg	20	6/10/2020 12:15:53 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/6/2020 5:03:41 PM	52911
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/6/2020 5:03:41 PM	52911
Surr: DNOP	75.5	55.1-146	%Rec	1	6/6/2020 5:03:41 PM	52911
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2020 8:51:16 PM	52895
Surr: BFB	83.6	66.6-105	%Rec	1	6/6/2020 8:51:16 PM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/6/2020 8:51:16 PM	52895
Toluene	ND	0.049	mg/Kg	1	6/6/2020 8:51:16 PM	52895
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2020 8:51:16 PM	52895
Xylenes, Total	ND	0.099	mg/Kg	1	6/6/2020 8:51:16 PM	52895
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/6/2020 8:51:16 PM	52895

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 4 of 17

Lab ID:

Analytical Report
Lab Order 2006230

Date Reported: 6/11/2020

Hall	<b>Environme</b>	ntal Ana	alvsis L	aborator	v. Inc.

CLIENT: Safety & Environmental Solutions

2006230-005

Devon Tomcat 16 State 13

Client Sample ID: AH-14-H North Surface Collection Date: 6/2/2020 11:10:00 AM Received Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	360	60	mg/Kg	20	6/10/2020 12:28:14 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/6/2020 5:28:36 PM	52911
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/6/2020 5:28:36 PM	52911
Surr: DNOP	78.8	55.1-146	%Rec	1	6/6/2020 5:28:36 PM	52911
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/6/2020 10:49:41 PM	52895
Surr: BFB	83.7	66.6-105	%Rec	1	6/6/2020 10:49:41 PM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	6/6/2020 10:49:41 PM	52895
Toluene	ND	0.047	mg/Kg	1	6/6/2020 10:49:41 PM	52895
Ethylbenzene	ND	0.047	mg/Kg	1	6/6/2020 10:49:41 PM	52895
Xylenes, Total	ND	0.094	mg/Kg	1	6/6/2020 10:49:41 PM	52895
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/6/2020 10:49:41 PM	52895

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
   Sample Diluted Due to Matrix
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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 5 of 17

**Project:** Lab ID: **Analytical Report** Lab Order 2006230

Date Reported: 6/11/2020

Hall Environmental Analysis Laboratory, In	IC.
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**CLIENT:** Safety & Environmental Solutions Devon Tomcat 16 State 13

2006230-006

Client Sample ID: AH-15-H North Surface	
Collection Date: 6/2/2020 11:30:00 AM	
Received Date: 6/4/2020 9:20:00 AM	

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	59	mg/Kg	20	6/10/2020 12:40:35 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	13	9.3	mg/Kg	1	6/6/2020 10:31:24 AM	52917
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/6/2020 10:31:24 AM	52917
Surr: DNOP	56.9	55.1-146	%Rec	1	6/6/2020 10:31:24 AM	52917
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2020 11:13:10 PM	52895
Surr: BFB	85.8	66.6-105	%Rec	1	6/6/2020 11:13:10 PM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/6/2020 11:13:10 PM	52895
Toluene	ND	0.049	mg/Kg	1	6/6/2020 11:13:10 PM	52895
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2020 11:13:10 PM	52895
Xylenes, Total	ND	0.099	mg/Kg	1	6/6/2020 11:13:10 PM	52895
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	6/6/2020 11:13:10 PM	52895

Matrix: SOIL

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

**Qualifiers:** 

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 17

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

#### Hall Environmental Analysis Laboratory, Inc.

					*		
CLIENT: Safety & Environmental Solu	tions	Cl	ient Sample II	D: Al	H-16-H East Surface		
<b>Project:</b> Devon Tomcat 16 State 13		Collection Date: 6/2/2020 11:55:00 AM					
Lab ID: 2006230-007	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/4	4/2020 9:20:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	JMT	
Chloride	160	60	mg/Kg	20	6/10/2020 12:52:55 PM	52998	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/6/2020 11:44:06 AM	52917	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/6/2020 11:44:06 AM	52917	
Surr: DNOP	56.9	55.1-146	%Rec	1	6/6/2020 11:44:06 AM	52917	
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/6/2020 11:36:46 PM	52895	
Surr: BFB	83.3	66.6-105	%Rec	1	6/6/2020 11:36:46 PM	52895	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.024	mg/Kg	1	6/6/2020 11:36:46 PM	52895	
Toluene	ND	0.047	mg/Kg	1	6/6/2020 11:36:46 PM	52895	
Ethylbenzene	ND	0.047	mg/Kg	1	6/6/2020 11:36:46 PM	52895	
Xylenes, Total	ND	0.094	mg/Kg	1	6/6/2020 11:36:46 PM	52895	
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	6/6/2020 11:36:46 PM	52895	

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 7 of 17

Lab ID:

Analytical Report
Lab Order 2006230

Date Reported: 6/11/2020

Hall	Environmenta	al Ana	lysis l	Laborat	ory,	Inc.
			•/		• / /	

CLIENT: Safety & Environmental Solutions

2006230-008

Devon Tomcat 16 State 13

Client Sample ID: AH-17-H South Surface Collection Date: 6/2/2020 12:20:00 PM Received Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	150	60	mg/Kg	20	6/10/2020 1:05:16 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/6/2020 12:08:12 PM	52917
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/6/2020 12:08:12 PM	52917
Surr: DNOP	60.1	55.1-146	%Rec	1	6/6/2020 12:08:12 PM	52917
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/7/2020 12:00:24 AM	52895
Surr: BFB	84.6	66.6-105	%Rec	1	6/7/2020 12:00:24 AM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/7/2020 12:00:24 AM	52895
Toluene	ND	0.048	mg/Kg	1	6/7/2020 12:00:24 AM	52895
Ethylbenzene	ND	0.048	mg/Kg	1	6/7/2020 12:00:24 AM	52895
Xylenes, Total	ND	0.096	mg/Kg	1	6/7/2020 12:00:24 AM	52895
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/7/2020 12:00:24 AM	52895

Matrix: SOIL

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

Qualifiers:

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

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

Page 8 of 17

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall	<b>Environmental</b>	Analysis	Laboratory,	Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tomcat 16 State 13

Client Sample ID: AH-18-H South Surface Collection Date: 6/2/2020 12:50:00 PM Received Date: 6/4/2020 9:20:00 AM

Lab ID: 2006230-009		Matrix: SOIL		<b>Received Date:</b> 6/4/2020 9:20:00 AM				
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		160	60		mg/Kg	20	6/10/2020 1:17:36 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE		NGE ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.5		mg/Kg	1	6/6/2020 12:32:32 PM	52917
Motor O	il Range Organics (MRO)	ND	48		mg/Kg	1	6/6/2020 12:32:32 PM	52917
Surr:	DNOP	45.5	55.1-146	S	%Rec	1	6/6/2020 12:32:32 PM	52917
EPA ME	THOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	4.7		mg/Kg	1	6/7/2020 12:23:57 AM	52895
Surr:	BFB	82.6	66.6-105		%Rec	1	6/7/2020 12:23:57 AM	52895
EPA ME	THOD 8021B: VOLATILES						Analyst	: NSB
Benzene	9	ND	0.023		mg/Kg	1	6/7/2020 12:23:57 AM	52895
Toluene		ND	0.047		mg/Kg	1	6/7/2020 12:23:57 AM	52895
Ethylber	izene	ND	0.047		mg/Kg	1	6/7/2020 12:23:57 AM	52895
Xylenes	, Total	ND	0.094		mg/Kg	1	6/7/2020 12:23:57 AM	52895
Surr:	4-Bromofluorobenzene	102	80-120		%Rec	1	6/7/2020 12:23:57 AM	52895

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 9 of 17

Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall	Environmental	Analysis	Laboratory,	Inc.
		• • • • •		

CLIENT: Safety & Environmental Solutions

2006230-010

Devon Tomcat 16 State 13

Client Sample ID: AH-19-H South Surface Collection Date: 6/2/2020 1:15:00 PM Received Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	ND	60		mg/Kg	20	6/10/2020 1:54:38 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/6/2020 12:56:38 PM	52917
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/6/2020 12:56:38 PM	52917
Surr: DNOP	46.8	55.1-146	S	%Rec	1	6/6/2020 12:56:38 PM	52917
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/7/2020 12:47:31 AM	52895
Surr: BFB	84.2	66.6-105		%Rec	1	6/7/2020 12:47:31 AM	52895
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	6/7/2020 12:47:31 AM	52895
Toluene	ND	0.048		mg/Kg	1	6/7/2020 12:47:31 AM	52895
Ethylbenzene	ND	0.048		mg/Kg	1	6/7/2020 12:47:31 AM	52895
Xylenes, Total	ND	0.096		mg/Kg	1	6/7/2020 12:47:31 AM	52895
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/7/2020 12:47:31 AM	52895

Matrix: SOIL

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

Qualifiers:

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

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

Page 10 of 17
Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall Environmental Analysis Laboratory. In	vironmental Analysis Labor	atory. Inc
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CLIENT: Safety & Environmental Solutions

2006230-011

Devon Tomcat 16 State 13

Client Sample ID: AH-20-H South Surface Collection Date: 6/2/2020 1:35:00 PM Matrix: SOIL Received Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	6/10/2020 2:06:59 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	6/6/2020 1:21:00 PM	52917
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/6/2020 1:21:00 PM	52917
Surr: DNOP	56.6	55.1-146	%Rec	1	6/6/2020 1:21:00 PM	52917
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/7/2020 1:11:10 AM	52895
Surr: BFB	81.7	66.6-105	%Rec	1	6/7/2020 1:11:10 AM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/7/2020 1:11:10 AM	52895
Toluene	ND	0.048	mg/Kg	1	6/7/2020 1:11:10 AM	52895
Ethylbenzene	ND	0.048	mg/Kg	1	6/7/2020 1:11:10 AM	52895
Xylenes, Total	ND	0.095	mg/Kg	1	6/7/2020 1:11:10 AM	52895
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	6/7/2020 1:11:10 AM	52895

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

Qualifiers:

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

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

Page 11 of 17

Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

	Hall Envir	onmental	Analysis	Laboratory,	Inc.
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CLIENT: Safety & Environmental Solutions

2006230-012

Devon Tomcat 16 State 13

Client Sample ID: AH-21-H South SurfaceCollection Date: 6/2/2020 2:10:00 PMMatrix: SOILReceived Date: 6/4/2020 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	ND	60	mg/Kg	20	6/10/2020 2:19:20 PM	52998
EPA METHOD 8015M/D: DIESEL RANGE ORG/	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/6/2020 1:45:12 PM	52917
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/6/2020 1:45:12 PM	52917
Surr: DNOP	69.8	55.1-146	%Rec	1	6/6/2020 1:45:12 PM	52917
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/7/2020 1:34:59 AM	52895
Surr: BFB	82.8	66.6-105	%Rec	1	6/7/2020 1:34:59 AM	52895
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/7/2020 1:34:59 AM	52895
Toluene	ND	0.050	mg/Kg	1	6/7/2020 1:34:59 AM	52895
Ethylbenzene	ND	0.050	mg/Kg	1	6/7/2020 1:34:59 AM	52895
Xylenes, Total	ND	0.099	mg/Kg	1	6/7/2020 1:34:59 AM	52895
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	6/7/2020 1:34:59 AM	52895

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

Qualifiers:

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

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

Page 12 of 17

Client: Project:	Safet Devo	y & Environme n Tomcat 16 S	ental Sc tate 13	olutions							
Sample ID:	MB-52998	SampT	ype: <b>m</b> t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	1D: <b>52</b>	998	F	RunNo: 69	9559				
Prep Date:	6/10/2020	Analysis D	ate: 6/	10/2020	5	SeqNo: 24	414133	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-52998	SampT	ype: Ics	;	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	1D: <b>52</b>	998	F	RunNo: 69	9559				
Prep Date:	6/10/2020	Analysis D	ate: 6/	10/2020	5	SeqNo: 24	414134	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.5	90	110			

Qualifiers:

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

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

Page 13 of 17

2006230

11-Jun-20

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Safety of Project: Devon	& Environm Tomcat 16 S	ental So State 13	olutions							
Sample ID: MP 52014	Somet			Taa	tCodo: E	DA Mathad	2015M/D. D.	neal Para	o Organico	
	Sampi	ype: WE		ies				esei kang	e organics	
	Balci	11D: 52	911	F		9424	11			
Prep Date: 6/5/2020	Analysis L	)ate: 6/	6/2020	5	SeqNo: 24	409199	Units: <b>mg/</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10 50								
	ND 11	50	10.00		111	55 1	146			
	11		10.00		111	55.1	140			
Sample ID: LCS-52911	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 52	911	F	RunNo: <b>6</b>	9424				
Prep Date: 6/5/2020	Analysis D	)ate: <b>6</b> /	6/2020	5	SeqNo: 24	409200	Units: <b>mg/k</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	112	70	130			
Surr: DNOP	5.4		5.000		107	55.1	146			
Sample ID: 2006230-006AM	<b>S</b> SampT	ype: <b>M\$</b>	6	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: AH-15-H North	Surfa Batch	n ID: 52	917	F	RunNo: 6	9422				
Prep Date: 6/5/2020	Analysis D	)ate: <b>6</b> /	6/2020	S	SeqNo: 24	409512	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.3	46.64	13.31	92.2	47.4	136			
Surr: DNOP	2.2		4.664		46.6	55.1	146			S
Sample ID: 2006230-006AM	SD SampT	ype: <b>MS</b>	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: AH-15-H North	Surfa Batch	n ID: 52	917	F	RunNo: 6	9422				
Prep Date: 6/5/2020	Analysis D	)ate: <b>6</b> /	6/2020	S	SeqNo: 24	409513	Units: <b>mg/</b> #	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.8	49.02	13.31	86.1	47.4	136	1.41	43.4	
Surr: DNOP	2.4		4.902		48.5	55.1	146	0	0	S
Sample ID: LCS-52917	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 52	917	F	RunNo: 6	9422				
Prep Date: 6/5/2020	Analysis D	)ate: <b>6</b> /	6/2020	S	SeqNo: 24	409555	Units: <b>mg/k</b>	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	70	130			
Surr: DNOP	3.6		5.000		72.7	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 Quanitative 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 14 of 17

2006230

11-Jun-20

Client: Safe Project: Deve	ty & Environm on Tomcat 16 S	ental Sc State 13	olutions							
Sample ID: MB-52917	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	n ID: 52	917	F	anNo: <b>6</b>	9422				
Prep Date: 6/5/2020	Analysis E	0ate: <b>6</b> /	6/2020	S	eqNo: 24	409557	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRC	)) ND	50								
Surr: DNOP	8.4		10.00		84.3	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 Quanitative 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 15 of 17

2006230

11-Jun-20

WO#:

Released to Imaging: 10/12/2022 11:03:56 AM

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Safety &	Environm	ental S	olutions							
Project:	Devon Te	omcat 16 S	State 13								
Sample ID:	mb-52895	SampT	ype: M	BLK	Tes	tCode: El	PA Method	8015D: Gasc	oline Rang	e	
Client ID:	PBS	Batcl	n ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis E	)ate: 6	/6/2020	5	SeqNo: 2	409785	Units: <b>mg/</b> #	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		910		1000		90.7	66.6	105			
Sample ID:	LCS-52895	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID:	LCSS	Batcl	n ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis E	)ate: 6	/6/2020	S	SeqNo: 2	409786	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	21	5.0	25.00	0	83.9	80	120			
Surr: BFB		960		1000		96.1	66.6	105			
Sample ID:	2006230-002ams	SampT	ype: M	S	Tes	tCode: El	PA Method	8015D: Gasc	oline Rang	e	
Client ID:	AH-11-H North Su	ı <b>rfa</b> Batcl	n ID: 52	895	F	RunNo: <b>6</b>	9459				
Prep Date:	6/4/2020	Analysis D	0ate: 6	/6/2020	8	SeqNo: 2	409789	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	20	5.0	24.95	0	80.0	80	120			
Surr: BFB		950		998.0		95.7	66.6	105			
Sample ID:	2006230-002amso	<b>l</b> SampT	ype: M	SD	Tes	tCode: El	PA Method	8015D: Gasc	oline Rang	e	
Client ID:	AH-11-H North Su	<b>Irfa</b> Batcl	n ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis E	)ate: 6	/6/2020	5	SeqNo: 2	409790	Units: <b>mg/</b> #	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	4.8	24.02	0	91.2	80	120	9.32	20	
Surr: BFB		980		960.6		102	66.6	105	0	0	

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 17

2006230

11-Jun-20

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Safety &	z Environm	ental Sc	olutions							
Project:	Devon T	Comcat 16 S	State 13								
		0			<b></b>			0004D- \/- \-	41		
Sample ID:	mb-52895	Samp	iype: ME		les		PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	n ID: 52	895	F	RunNo: 6	9459		_		
Prep Date:	6/4/2020	Analysis I	Date: 6/	6/2020	S	SeqNo: 2	409804	Units: mg/k	۲g		
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-Brom	nofluorobenzene	1.1		1.000		107	80	120			
Sample ID:	LCS-52895	Samp	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis [	Date: <b>6</b> /	6/2020	S	SeqNo: <b>2</b>	409805	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.96	0.025	1.000	0	95.7	80	120			
Toluene		0.97	0.050	1.000	0	97.5	80	120			
Ethylbenzene		0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total		3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Brom	nofluorobenzene	1.1		1.000		108	80	120			
Sample ID:	2006230-001ams	s Samp]	Гуре: <b>МS</b>	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	AH-10-H West Su	urfa Batc	h ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis [	Date: <b>6</b> /	6/2020	S	SeqNo: <b>2</b>	409807	Units: mg/ł	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.96	0.025	0.9940	0	96.6	78.5	119			
Toluene		0.98	0.050	0.9940	0	99.1	75.7	123			
Ethylbenzene		0.99	0.050	0.9940	0	99.2	74.3	126			
Xylenes, Total		3.0	0.099	2.982	0	99.7	72.9	130			
Surr: 4-Brom	nofluorobenzene	1.1		0.9940		106	80	120			
Sample ID:	2006230-001ams	d Samp	Гуре: МS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	AH-10-H West Su	u <b>rfa</b> Batc	h ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis [	Date: <b>6</b> /	6/2020	S	SeqNo: 2	409808	Units: <b>mg/ł</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.025	0.9843	0	101	78.5	119	3.97	20	
Toluene		1.0	0.049	0.9843	0	105	75.7	123	4.64	20	
Ethylbenzene		1.0	0.049	0.9843	0	105	74.3	126	4.64	20	
Xylenes, Total		3.1	0.098	2.953	0	106	72.9	130	5.04	20	
Surr: 4-Brom	nofluorobenzene	1.1		0.9843		108	80	120	0	0	

#### Qualifiers:

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

2006230

11-Jun-20

	ANAL LABOI	ONMENTA YSIS RATORY	L	Hall TEL W	Environmental Albi : 505-345-3975 'ebsite: www.ha	Analy 49( uquero FAX: illenvi	sis Labo 1 Hawk pue, NM 505-342 ronment	ratory ins NE 87109 5-4107 al.com	Sar	nple Log-In Check List
Client	Name:	Safety Env S	Solutions	Work (	Order Number:	200	6230			RcptNo: 1
Receive	ed By:	Scott Ande	erson	6/4/2020	9:20:00 AM					
Comple	eted By:	Desiree Do	minguez	6/4/2020	9:11:02 AM			TE	2	
Review	ed By:	48		6/4/2	20				-	
Chain	of Cus	tody								
1. Is Cl	hain of Ci	ustody comple	ete?			Yes		No	, 🗆	Not Present
2. How	was the	sample delive	red?			Cou	rier			
Log I	<u>n</u>			5.						
3. Was	an attem	pt made to co	ool the sample	es?		Yes		No		
4. Were	e all samp	les received a	at a temperati	ure of >0° C to	6.0°C	Yes		No		
5. Sam	ple(s) in p	proper contain	er(s)?			Yes		No		
6. Suffic	cient sam	ple volume fo	r indicated tes	st(s)?		Yes	~	No		
7. Are s	amples (	except VOA a	nd ONG) prop	perly preserved	1?	Yes	~	No		
8. Was	preservat	tive added to I	pottles?			Yes		No		NA 🗌
9. Rece	ived at le	ast 1 vial with	headspace <	1/4" for AQ VC	DA?	Yes		No		NA 🗹
10. Were	e any san	nple container	s received bro	oken?		Yes		No	•	# of preserved
11.Does	paperwo	rk match bottl	e labels?			Yes		No		bottles checked for pH:
(Note	discrepa	ncies on chai	n of custody)			100				(<2 or >12 unless noted)
2. Are m	natrices c	orrectly identi	fied on Chain	of Custody?		Yes	~	No		Adjusted?
3. Is it c	lear what	analyses wer	e requested?			Yes		No		11
4.Were (If no	all holdir , notify cu	ng times able Istomer for au	to be met? thorization.)			Yes	~	No		ehecked by: JP 6 4 20
Special	Handl	ing (if appl	licable)							
15.Was	client no	tified of all dis	crepancies w	ith this order?		Yes		No		NA 🗹
	Person	Notified:			Date:					
	By Who	m: 🔽			Via:	eMa	ail 🗌	Phone	Fax	In Person
	Regardi Client Ir	ng: 「 structions: 「								
16. Add	itional rer	narks:				_				
17. <u>Coc</u>	ler Infor	mation					1			
C	ooler No	Temp °C	Condition	Seal Intact	Seal No S	eal D	ate	Signed	By	

Page 1 of 1

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com Hawkins NE - Albuquerque, NM 87109 505-345-3975 Fax 505-345-4107 Analysis Request	(1) or 8270SIMS s 3, NO₂, PO₄, SO₄ (Present/Absent) (fresent/Absent)	EDB (Method PAHs by 8310 CI, F, Br, NO 8260 (VOA) 8270 (Semi-Vo 10tal Coliform 70tal Coliform								Deven	cuts contracted risks will be clearly mutated on the analytical report
4901 Tel.	30 / DKO / WKO)	201502108:H9T TPH:8015D(GI	8-		/				2	emarks: Bill	ecibility Any
bay Turr	No N	HEAL No. 2006230	100-	- 003	+00 -	- 006	-008	-010	- 017	Date Time Re Date Time	64.20 9.20
Time: Rust COB 484	ger: F	(including CF): 55 Preservative Type	Tae							Via: Via:	Couries
Turn-Around Turn-Around Project Name Project #:	Project Mana	# of Coolers: Cooler Temp Container Type and #	, ,	/	/	)		)		Received by:	SPA Anton to other a
cord Land	Validation)	0	Sertite	Surger C	111-12	Scratter -	South South	A State	South C		
Survey Rei Survey Rei Cli 89290	Level 4 (Full mpliance	Sample Name	44-10-14	QH 1211 9	AH 13 H	AHISTH .	HH-1-144	AU-19-14	H-17-11	ed by:	
-of-CL	□ Az Cc	Matrix	2	2	S	S	n nu	nn	2	Relinguish Relinquish	V
Address	or Fax#: : Package: ndard litation: _AC	D (Type)	0950	1035	1053	1120	cert l	1315	1355	Time:	0.61
Phone Mailing	email c AAAAC Accrec	Date	20/20				-		06/82	Date: 06/03 Date:	6/2/20



March 16, 2021

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

RE: Devon Tom Cat 16 State 13

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

OrderNo.: 2103562

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/11/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2103562

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-1 Bottom 2ft Collection Date: 3/8/2021 9:25:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103562-001	Matrix: SOIL		<b>Received Date:</b> 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: VP				
Chloride	ND	60	mg/Kg	20	3/15/2021 7:01:26 PM	58731				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	mb				
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/12/2021 11:37:17 AM	58676				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/12/2021 11:37:17 AM	58676				
Surr: DNOP	74.7	70-130	%Rec	1	3/12/2021 11:37:17 AM	58676				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/12/2021 9:27:14 PM	58673				
Surr: BFB	105	75.3-105	%Rec	1	3/12/2021 9:27:14 PM	58673				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.025	mg/Kg	1	3/12/2021 9:27:14 PM	58673				
Toluene	ND	0.050	mg/Kg	1	3/12/2021 9:27:14 PM	58673				
Ethylbenzene	ND	0.050	mg/Kg	1	3/12/2021 9:27:14 PM	58673				
Xylenes, Total	ND	0.10	mg/Kg	1	3/12/2021 9:27:14 PM	58673				
Surr: 4-Bromofluorobenzene	99.9	80-120	%Rec	1	3/12/2021 9:27:14 PM	58673				

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- Page 1 of 12

Analytical Report Lab Order 2103562

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-2 Bottom 1.5ft Collection Date: 3/8/2021 10:00:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103562-002	Matrix: SOIL		<b>Received Date:</b> 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: VP				
Chloride	64	60	mg/Kg	20	3/15/2021 7:38:39 PM	58731				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	mb				
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	3/12/2021 11:47:03 AM	58676				
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/12/2021 11:47:03 AM	58676				
Surr: DNOP	79.0	70-130	%Rec	1	3/12/2021 11:47:03 AM	58676				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 9:50:55 PM	58673				
Surr: BFB	102	75.3-105	%Rec	1	3/12/2021 9:50:55 PM	58673				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.025	mg/Kg	1	3/12/2021 9:50:55 PM	58673				
Toluene	ND	0.049	mg/Kg	1	3/12/2021 9:50:55 PM	58673				
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 9:50:55 PM	58673				
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 9:50:55 PM	58673				
Surr: 4-Bromofluorobenzene	95.5	80-120	%Rec	1	3/12/2021 9:50:55 PM	58673				

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

Qualifiers:

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

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

Page 2 of 12

Analytical Report Lab Order 2103562

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-4 Bottom 1.5ft Collection Date: 3/8/2021 11:30:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103562-003	Matrix: SOIL		<b>Received Date:</b> 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: VP				
Chloride	ND	60	mg/Kg	20	3/15/2021 7:51:03 PM	58731				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: mb				
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/12/2021 11:56:51 AM	58676				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/12/2021 11:56:51 AM	58676				
Surr: DNOP	93.0	70-130	%Rec	1	3/12/2021 11:56:51 AM	58676				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 10:14:34 PM	58673				
Surr: BFB	102	75.3-105	%Rec	1	3/12/2021 10:14:34 PM	58673				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.025	mg/Kg	1	3/12/2021 10:14:34 PM	58673				
Toluene	ND	0.049	mg/Kg	1	3/12/2021 10:14:34 PM	58673				
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 10:14:34 PM	58673				
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 10:14:34 PM	58673				
Surr: 4-Bromofluorobenzene	95.2	80-120	%Rec	1	3/12/2021 10:14:34 PM	58673				

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 3 of 12

Analytical Report Lab Order 2103562

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-5 Bottom 1.5ft Collection Date: 3/8/2021 11:00:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103562-004	Matrix: SOIL		<b>Received Dat</b>	e: 3/1	11/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	3/15/2021 8:28:16 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/12/2021 12:06:35 PM	58676
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/12/2021 12:06:35 PM	58676
Surr: DNOP	83.2	70-130	%Rec	1	3/12/2021 12:06:35 PM	58676
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 10:38:12 PM	58673
Surr: BFB	103	75.3-105	%Rec	1	3/12/2021 10:38:12 PM	58673
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/12/2021 10:38:12 PM	58673
Toluene	ND	0.049	mg/Kg	1	3/12/2021 10:38:12 PM	58673
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 10:38:12 PM	58673
Xylenes, Total	ND	0.097	mg/Kg	1	3/12/2021 10:38:12 PM	58673
Surr: 4-Bromofluorobenzene	96.6	80-120	%Rec	1	3/12/2021 10:38:12 PM	58673

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 4 of 12

Analytical Report Lab Order 2103562

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-6 Bottom 1.5ft Collection Date: 3/8/2021 12:35:00 PM

Lab ID: 2103562-005	Matrix: SOIL		<b>Received Date:</b> 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: VP				
Chloride	150	60	mg/Kg	20	3/15/2021 8:40:41 PM	58731				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	mb				
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/12/2021 12:16:22 PM	58676				
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/12/2021 12:16:22 PM	58676				
Surr: DNOP	93.2	70-130	%Rec	1	3/12/2021 12:16:22 PM	58676				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 11:01:48 PM	58673				
Surr: BFB	102	75.3-105	%Rec	1	3/12/2021 11:01:48 PM	58673				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.024	mg/Kg	1	3/12/2021 11:01:48 PM	58673				
Toluene	ND	0.049	mg/Kg	1	3/12/2021 11:01:48 PM	58673				
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 11:01:48 PM	58673				
Xylenes, Total	ND	0.098	mg/Kg	1	3/12/2021 11:01:48 PM	58673				
Surr: 4-Bromofluorobenzene	95.1	80-120	%Rec	1	3/12/2021 11:01:48 PM	58673				

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 5 of 12

Analytical Report Lab Order 2103562

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-10 North Wall Collection Date: 3/8/2021 9:00:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103562-006	Matrix: SOIL	<b>Received Date:</b> 3/11/2021 7:30:00 AM								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	VP			
Chloride	ND	60		mg/Kg	20	3/15/2021 8:53:05 PM	58731			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	mb			
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	3/12/2021 12:26:12 PM	58676			
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/12/2021 12:26:12 PM	58676			
Surr: DNOP	84.7	70-130		%Rec	1	3/12/2021 12:26:12 PM	58676			
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2021 11:25:14 PM	58673			
Surr: BFB	106	75.3-105	S	%Rec	1	3/12/2021 11:25:14 PM	58673			
EPA METHOD 8021B: VOLATILES						Analyst	NSB			
Benzene	ND	0.024		mg/Kg	1	3/12/2021 11:25:14 PM	58673			
Toluene	ND	0.049		mg/Kg	1	3/12/2021 11:25:14 PM	58673			
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2021 11:25:14 PM	58673			
Xylenes, Total	ND	0.097		mg/Kg	1	3/12/2021 11:25:14 PM	58673			
Surr: 4-Bromofluorobenzene	99.0	80-120		%Rec	1	3/12/2021 11:25:14 PM	58673			

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

Qualifiers:

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

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

Page 6 of 12

Lab ID:

Analytical Report Lab Order 2103562

Date Reported: 3/16/2021

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2103562-007

Devon Tom Cat 16 State 13

Client Sample ID: SP-11 North Wall Collection Date: 3/8/2021 1:00:00 PM Received Date: 3/11/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	61	mg/Kg	20	3/15/2021 9:05:30 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	3/12/2021 12:36:10 PM	58676
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	3/12/2021 12:36:10 PM	58676
Surr: DNOP	94.0	70-130	%Rec	1	3/12/2021 12:36:10 PM	58676
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/12/2021 11:48:55 PM	58673
Surr: BFB	104	75.3-105	%Rec	1	3/12/2021 11:48:55 PM	58673
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	3/12/2021 11:48:55 PM	58673
Toluene	ND	0.050	mg/Kg	1	3/12/2021 11:48:55 PM	58673
Ethylbenzene	ND	0.050	mg/Kg	1	3/12/2021 11:48:55 PM	58673
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 11:48:55 PM	58673
Surr: 4-Bromofluorobenzene	96.4	80-120	%Rec	1	3/12/2021 11:48:55 PM	58673

Matrix: SOIL

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 7 of 12

Analytical Report Lab Order 2103562

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-15 West Wall Collection Date: 3/8/2021 10:40:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103562-008	Matrix: SOIL		<b>Received Date:</b> 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: VP				
Chloride	ND	60	mg/Kg	20	3/15/2021 9:17:54 PM	58731				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	mb				
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/12/2021 12:46:06 PM	58676				
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/12/2021 12:46:06 PM	58676				
Surr: DNOP	83.7	70-130	%Rec	1	3/12/2021 12:46:06 PM	58676				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/13/2021 12:12:33 AM	58673				
Surr: BFB	104	75.3-105	%Rec	1	3/13/2021 12:12:33 AM	58673				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.024	mg/Kg	1	3/13/2021 12:12:33 AM	58673				
Toluene	ND	0.048	mg/Kg	1	3/13/2021 12:12:33 AM	58673				
Ethylbenzene	ND	0.048	mg/Kg	1	3/13/2021 12:12:33 AM	58673				
Xylenes, Total	ND	0.096	mg/Kg	1	3/13/2021 12:12:33 AM	58673				
Surr: 4-Bromofluorobenzene	97.2	80-120	%Rec	1	3/13/2021 12:12:33 AM	58673				

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

Qualifiers:

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

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

Page 8 of 12

Client: Project:	Safety Devoi	v & Environmo n Tom Cat 16	ental Sc State 1.	olutions 3							
Sample ID:	MB-58731	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 58	731	F	RunNo: 7	5950				
Prep Date:	3/15/2021	Analysis D	)ate: <b>3</b> /	15/2021	S	SeqNo: 20	687729	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-58731	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 58	731	F	RunNo: 7	5950				
Prep Date:	3/15/2021	Analysis D	)ate: 3/	15/2021	5	SeqNo: 20	687730	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	95.0	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 9 of 12

2103562

16-Mar-21

	Page	<i>92</i>	oj	f 11	6
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Hall Environment	al Analysis	s Laborat	ory, Inc.				WO#:	2103562 16-Mar-21
Client:Safety &Project:Devon 7	& Environmental Γom Cat 16 Stat	l Solutions e 13						
Sample ID: MB-58676	SampType:	MBLK	TestCode: E	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch ID: Analysis Date:	3/12/2021	Kunno: 7 SegNo: 2	25912 2685950	Linits: ma/K	a		
Analyte	Result PC	QL SPK value	SPK Ref Val %REC	LowLimit	HighLimit	9 %RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10						
Motor Oil Range Organics (MRO)	ND	50						
Surr: DNOP	8.7	10.00	86.6	70	130			
Sample ID: LCS-58676	SampType:	LCS	TestCode: E	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID:	58676	RunNo: 7	5912				
Prep Date: 3/11/2021	Analysis Date:	3/12/2021	SeqNo: 2	2685951	Units: mg/K	g		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.6	68.9	141			
Surr: DNOP	4.5		5.000		90.1	70	130			

**Qualifiers:** 

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 10 of 12

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Safety &Project:Devon T	2 Environm Fom Cat 16	ental Sc State 13	olutions 3							
Sample ID: mb-58673	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	9	
Client ID: <b>PBS</b> Prep Date: <b>3/11/2021</b>	Batch Analysis D	n ID: <b>58</b> Date: <b>3</b> /	673 12/2021	F S	anno: 78 SeqNo: 26	901 86708	Units: <b>mg/k</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		104	75.3	105			
Sample ID: Ics-58673	SampT	ype: LC	S	Tes	tCode: EF	A Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batch	n ID: 58	673	R	RunNo: 7	5901				
Prep Date: 3/11/2021	Analysis D	)ate: <b>3</b> /	12/2021	S	eqNo: 20	86709	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	80	120			
Surr: BFB	1100		1000		114	75.3	105			S

Qualifiers:

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

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

Page 11 of 12

WO#: 2103562 16-Mar-21

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Safety & Environn Devon Tom Cat 16	for State 1.	olutions 3							
Sample ID: mb-586	573 Samp	Туре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Bato	h ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/2	021 Analysis	Date: <b>3</b> /	12/2021	S	SeqNo: 2	686749	Units: <b>mg/#</b>	٢g		
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-Bromofluorobe	nzene 0.96		1.000		96.5	80	120			
Sample ID: LCS-58	673 Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Bato	ch ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/2	021 Analysis	Date: <b>3</b> /	12/2021	S	SeqNo: 2	686750	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.7	80	120			
Toluene	0.90	0.050	1.000	0	90.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.4	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.6	80	120			
Surr: 4-Bromofluorobe	nzene 1.0		1.000		102	80	120			

Qualifiers:

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

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

Page 12 of 12

2103562

16-Mar-21

HALL ENVIE ANAL LABO	RONMENTAL YSIS RATORY	Hall Environment A TEL: 505-345-39 Website: clients.	all Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 EL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com			Sample Log-In Check Lis		
Client Name:	Safety & Environmental Solutions	Work Order Numb	er: 210	3562		RcptNo: 1		
Received By:	Cheyenne Cason	3/11/2021 7:30:00 A	м					
Completed By:	Sean Livingston	3/11/2021 8:44:19 A	м		51	n -t-		
Reviewed By:	an	3/11/21				Join		
Chain of Cus	stody							
1. Is Chain of C	sustody complete?		Yes	V	No 🗌	Not Present 🔲		
2. How was the	sample delivered?		Cou	rier				
Log In					Nr 🗖	N/A 🗖		
5. was an atten	npt made to cool the sample	es?	Yes					
4. Were all sam	ples received at a temperat	ure of >0° C to 6.0°C	Yes		No 🗌			
5. Sample(s) in	proper container(s)?		Yes		No 🗌			
6. Sufficient san	nple volume for indicated te	st(s)?	Yes		No 🗌			
7. Are samples	(except VOA and ONG) pro	perly preserved?	Yes		No 🗌			
8. Was preserva	ative added to bottles?		Yes		No 🗹	NA 🗌		
9. Received at le	east 1 vial with headspace <	<1/4" for AQ VOA?	Yes		No 🗆	NA 🗹		
10. Were any sa	mple containers received br	roken?	Yes		No 🗹	# of preserved	2	
11. Does paperw (Note discrep	ork match bottle labels? ancies on chain of custody)		Yes		No 🗌	for pH: (<2 or >12 unless n	ote	
12. Are matrices	correctly identified on Chair	n of Custody?	Yes	~	No 🗌	Adjusted?		
13. Is it clear what	t analyses were requested?	2	Yes	V	No 🗌	/		
14. Were all hold	ing times able to be met?		Yes	$\checkmark$	No 🗌	Checked by: DAD 3/1	1/2	
(ii no, notiry c	ustomer for authorization.)					(		
Special Hand	ling (if applicable)			_				
15. Was client no	otified of all discrepancies w	vith this order?	Yes		No 🗌	NA 🗹		
Person	Notified:	Date:	1					
By Wh	om:	Via:	eM	ail 🗌 P	hone 🗌 Fax	In Person		
Regard	ling:							
Client I	nstructions:							
16. Additional re	emarks:							
17. <u>Cooler Info</u> Cooler No	rmation Temp °C Condition	Seal Intact Seal No	Seal D	ate	Signed By			
11-5-0-5-11-5-1	19 Good							

Page 1 of 1

<b>Received by OCD: 5/4/2021 1:1</b>	1:58 PM		Page 96 of 116
<ul> <li>HALL ENVIRONMENTAL</li> <li>HALL ENVIRONMENTAL</li> <li>ANALYSIS LABORATORY</li> <li>www.hallenvironmental.com</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>Tel. 505-345-3975 Fax 505-345-4107</li> <li>Tel. 505-345-3975 Fax 505-345-4107</li> </ul>	TPH:8015D(GRO / DRO / MRO) TPH:8015D(GRO / DRO / MRO) B081 Pesticides/8082 PCB's PPHs by 8310 or 8270SIMS PCRA 8 Metals B260 (VOA) B260 (VOA) B260 (VOA) Dotal Coliform (Present/Absent) Total Coliform (Present/Absent) Total Coliform (Present/Absent)		emarks: ssibility. Any sub-contracted data will be clearly notated on the analytical report.
	(1508) 8'AMT NEV (8021)		a of this pos
day July 13	8 6 10 00 - 10 - 10 - 10 - 10 - 10 - 10 - 1	001 001 001 001 002 001 002 002 002	Date Time <u>ک</u> Date Time کرارا در ۲۳۵۵ S/۱۱/ در ۲۳۵۵
d Itime: 5 d Ikush ne: Deven CH-16-6	ager:	Jue Veul	Via: Via: COUNTU
Turn-Around Standart Project Nam Project #:	Project Man Sampler: On Ice: # of Coolers Cooler Tem		Received by: Received by:
and and	alidation)	在这些代表了了	ttal may be sub
dy Rec Way New New Olunto	vel 4 (Full V ice ble Name		Hall Environmen
Custo Custo M 8 Custo Custo	Complian Complian	MARGERE (	uished by:
De la Contraction	e)	MNNNN MNNNN MNNNNNNNNNNNNNNNNNNNNNNNNN	Reling
	I or Faxi C Packa editation ELAC DD (Typ	808	Time: Time:
Phone Clief		03/0	Date

S



March 16, 2021

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

RE: Devon Tom Cat 16 State 13

OrderNo.: 2103565

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/11/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2103565

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-3 Bottom 1.5ft Collection Date: 3/9/2021 9:15:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103565-001	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/1	11/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	63	60	mg/Kg	20	3/15/2021 9:30:18 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	3/12/2021 1:07:39 PM	58676
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/12/2021 1:07:39 PM	58676
Surr: DNOP	79.4	70-130	%Rec	1	3/12/2021 1:07:39 PM	58676
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/13/2021 12:59:44 AM	58673
Surr: BFB	104	75.3-105	%Rec	1	3/13/2021 12:59:44 AM	58673
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/13/2021 12:59:44 AM	58673
Toluene	ND	0.048	mg/Kg	1	3/13/2021 12:59:44 AM	58673
Ethylbenzene	ND	0.048	mg/Kg	1	3/13/2021 12:59:44 AM	58673
Xylenes, Total	ND	0.096	mg/Kg	1	3/13/2021 12:59:44 AM	58673
Surr: 4-Bromofluorobenzene	95.9	80-120	%Rec	1	3/13/2021 12:59:44 AM	58673

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

**Qualifiers:** 

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 1 of 15

Analytical Report Lab Order 2103565

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-7 Bottom 1.5ft Collection Date: 3/9/2021 10:00:00 AM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103565-002	Matrix: SOIL		Recei	Received Date: 3/11/2021 7:30:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	: VP			
Chloride	150	60		mg/Kg	20	3/15/2021 9:42:43 PM	58731			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: mb			
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/12/2021 1:17:35 PM	58676			
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/12/2021 1:17:35 PM	58676			
Surr: DNOP	80.0	70-130		%Rec	1	3/12/2021 1:17:35 PM	58676			
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/13/2021 1:23:21 AM	58673			
Surr: BFB	106	75.3-105	S	%Rec	1	3/13/2021 1:23:21 AM	58673			
EPA METHOD 8021B: VOLATILES						Analyst	: NSB			
Benzene	ND	0.025		mg/Kg	1	3/13/2021 1:23:21 AM	58673			
Toluene	ND	0.050		mg/Kg	1	3/13/2021 1:23:21 AM	58673			
Ethylbenzene	ND	0.050		mg/Kg	1	3/13/2021 1:23:21 AM	58673			
Xylenes, Total	ND	0.099		mg/Kg	1	3/13/2021 1:23:21 AM	58673			
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	3/13/2021 1:23:21 AM	58673			

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

Qualifiers:

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

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

Page 2 of 15

Lab ID:

Analytical Report Lab Order 2103565

Date Reported: 3/16/2021

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2103565-003

Devon Tom Cat 16 State 13

Client Sample ID: SP-8 Bottom 1.5ft Collection Date: 3/9/2021 10:20:00 AM Received Date: 3/11/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	3/15/2021 9:55:07 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	mb
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/13/2021 10:50:20 AM	58689
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/13/2021 10:50:20 AM	58689
Surr: DNOP	89.3	70-130	%Rec	1	3/13/2021 10:50:20 AM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	ССМ
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/12/2021 11:47:00 AM	58684
Surr: BFB	89.2	75.3-105	%Rec	1	3/12/2021 11:47:00 AM	58684
EPA METHOD 8021B: VOLATILES					Analyst	ССМ
Benzene	ND	0.023	mg/Kg	1	3/12/2021 11:47:00 AM	58684
Toluene	ND	0.047	mg/Kg	1	3/12/2021 11:47:00 AM	58684
Ethylbenzene	ND	0.047	mg/Kg	1	3/12/2021 11:47:00 AM	58684
Xylenes, Total	ND	0.094	mg/Kg	1	3/12/2021 11:47:00 AM	58684
Surr: 4-Bromofluorobenzene	85.5	80-120	%Rec	1	3/12/2021 11:47:00 AM	58684

Matrix: SOIL

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 3 of 15

Lab ID:

Analytical Report Lab Order 2103565

Date Reported: 3/16/2021

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2103565-004

Devon Tom Cat 16 State 13

Client Sample ID: SP-9 Bottom 1.5ft Collection Date: 3/9/2021 10:55:00 AM Received Date: 3/11/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	3/15/2021 10:07:32 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	mb
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	3/13/2021 12:01:15 PM	58689
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	3/13/2021 12:01:15 PM	58689
Surr: DNOP	92.3	70-130	%Rec	1	3/13/2021 12:01:15 PM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	ССМ
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 12:47:00 PM	58684
Surr: BFB	85.6	75.3-105	%Rec	1	3/12/2021 12:47:00 PM	58684
EPA METHOD 8021B: VOLATILES					Analyst	ССМ
Benzene	ND	0.025	mg/Kg	1	3/12/2021 12:47:00 PM	58684
Toluene	ND	0.049	mg/Kg	1	3/12/2021 12:47:00 PM	58684
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 12:47:00 PM	58684
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 12:47:00 PM	58684
Surr: 4-Bromofluorobenzene	80.6	80-120	%Rec	1	3/12/2021 12:47:00 PM	58684

Matrix: SOIL

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 4 of 15

Lab ID:

**Analytical Report** Lab Order 2103565

Date Reported: 3/16/2021

### Hall Environmental Analysis Laboratory, Inc.

Devon Tom Cat 16 State 13

2103565-005

**CLIENT:** Safety & Environmental Solutions Client Sample ID: SP-12 North Wall Collection Date: 3/9/2021 11:15:00 AM Matrix: SOIL Received Date: 3/11/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	3/15/2021 10:19:56 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/13/2021 12:25:07 PM	58689
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/13/2021 12:25:07 PM	58689
Surr: DNOP	93.7	70-130	%Rec	1	3/13/2021 12:25:07 PM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 1:47:00 PM	58684
Surr: BFB	85.0	75.3-105	%Rec	1	3/12/2021 1:47:00 PM	58684
EPA METHOD 8021B: VOLATILES					Analyst	ссм:
Benzene	ND	0.025	mg/Kg	1	3/12/2021 1:47:00 PM	58684
Toluene	ND	0.049	mg/Kg	1	3/12/2021 1:47:00 PM	58684
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 1:47:00 PM	58684
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 1:47:00 PM	58684
Surr: 4-Bromofluorobenzene	83.2	80-120	%Rec	1	3/12/2021 1:47:00 PM	58684

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

**Qualifiers:** 

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 15

Lab ID:

Analytical Report Lab Order 2103565

Date Reported: 3/16/2021

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

2103565-006

Devon Tom Cat 16 State 13

Client Sample ID: SP-13 East Wall Collection Date: 3/9/2021 11:30:00 AM Received Date: 3/11/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	3/15/2021 10:57:10 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	mb
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/13/2021 12:48:52 PM	58689
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/13/2021 12:48:52 PM	58689
Surr: DNOP	91.0	70-130	%Rec	1	3/13/2021 12:48:52 PM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	ССМ
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 2:06:00 PM	58684
Surr: BFB	88.7	75.3-105	%Rec	1	3/12/2021 2:06:00 PM	58684
EPA METHOD 8021B: VOLATILES					Analyst	ССМ
Benzene	ND	0.025	mg/Kg	1	3/12/2021 2:06:00 PM	58684
Toluene	ND	0.049	mg/Kg	1	3/12/2021 2:06:00 PM	58684
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 2:06:00 PM	58684
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 2:06:00 PM	58684
Surr: 4-Bromofluorobenzene	85.8	80-120	%Rec	1	3/12/2021 2:06:00 PM	58684

Matrix: SOIL

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

Qualifiers:

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

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

Page 6 of 15

Analytical Report Lab Order 2103565

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-14 South Wall Collection Date: 3/9/2021 12:05:00 PM Received Date: 3/11/2021 7:30:00 AM

Lab ID: 2103565-007	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/1	11/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	62	60	mg/Kg	20	3/15/2021 11:09:35 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	3/13/2021 1:12:40 PM	58689
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	3/13/2021 1:12:40 PM	58689
Surr: DNOP	84.5	70-130	%Rec	1	3/13/2021 1:12:40 PM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/12/2021 2:26:00 PM	58684
Surr: BFB	88.8	75.3-105	%Rec	1	3/12/2021 2:26:00 PM	58684
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.024	mg/Kg	1	3/12/2021 2:26:00 PM	58684
Toluene	ND	0.047	mg/Kg	1	3/12/2021 2:26:00 PM	58684
Ethylbenzene	ND	0.047	mg/Kg	1	3/12/2021 2:26:00 PM	58684
Xylenes, Total	ND	0.094	mg/Kg	1	3/12/2021 2:26:00 PM	58684
Surr: 4-Bromofluorobenzene	84.5	80-120	%Rec	1	3/12/2021 2:26:00 PM	58684

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 7 of 15

Analytical Report Lab Order 2103565

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Safety & Environmental Solutions

Devon Tom Cat 16 State 13

Date Reported: 3/16/2021 Client Sample ID: SP-16 South Wall Collection Date: 3/9/2021 1:05:00 PM

Lab ID: 2103565-008	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/1	11/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	3/15/2021 11:21:59 PM	58731
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	3/13/2021 1:36:35 PM	58689
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/13/2021 1:36:35 PM	58689
Surr: DNOP	84.7	70-130	%Rec	1	3/13/2021 1:36:35 PM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/12/2021 2:46:00 PM	58684
Surr: BFB	89.2	75.3-105	%Rec	1	3/12/2021 2:46:00 PM	58684
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.024	mg/Kg	1	3/12/2021 2:46:00 PM	58684
Toluene	ND	0.047	mg/Kg	1	3/12/2021 2:46:00 PM	58684
Ethylbenzene	ND	0.047	mg/Kg	1	3/12/2021 2:46:00 PM	58684
Xylenes, Total	ND	0.095	mg/Kg	1	3/12/2021 2:46:00 PM	58684
Surr: 4-Bromofluorobenzene	83.5	80-120	%Rec	1	3/12/2021 2:46:00 PM	58684

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

Qualifiers:

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

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

Page 8 of 15

Client: Project:	Safet Devo	y & Environmo on Tom Cat 16	ental Sc State 1.	olutions 3							
Sample ID:	MB-58731	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ו ID: <b>58</b> '	731	F						
Prep Date:	3/15/2021	Analysis D	ate: 3/	15/2021	S	SeqNo: 26	687729	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-58731	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ו ID: <b>58</b> '	731	F	RunNo: <b>7</b>	5950				
Prep Date:	3/15/2021	Analysis D	ate: 3/	15/2021	5	SeqNo: 20	687730	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	95.0	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 9 of 15

2103565

16-Mar-21

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

Client:	Safety & I	Environm	ental So	olutions								
Project:	Devon To	m Cat 16	State 1	5								
Sample ID:	MB-58676	Samp <sup>-</sup>	Гуре: МІ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	PBS	Batch ID: 58676			RunNo: <b>75912</b>							
Prep Date:	3/11/2021	Analysis Date: 3/12/2021			SeqNo: 2685950			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range C	Drganics (DRO)	ND	10									
Motor Oil Rang	e Organics (MRO)	ND	50									
Surr: DNOP		8.7		10.00		86.6	70	130				
Sample ID:	LCS-58676	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics				
Client ID:	LCSS	Batch ID: 58676			RunNo: <b>75912</b>							
Prep Date:	3/11/2021	Analysis Date: 3/12/2021			SeqNo: 2685951			Units: <b>mg/Kg</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range C	Organics (DRO)	47	10	50.00	0	94.6	68.9	141				
Surr: DNOP		4.5		5.000		90.1	70	130				
Sample ID:	MB-58689	Samp	Гуре: М	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	PBS	Batch ID: 58689			RunNo: <b>75928</b>							
Prep Date:	3/12/2021	Analysis [	Date: 3	/13/2021	S	SeqNo: 26	686862	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range C	Drganics (DRO)	ND	10									
Motor Oil Rang	e Organics (MRO)	ND	50									
Surr: DNOP		9.1		10.00		90.9	70	130				
Sample ID:	LCS-58689	TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	LCSS	Batch ID: 58689			RunNo: <b>75928</b>							
Prep Date:	3/12/2021	Analysis [	Date: 3/	/13/2021	S	SeqNo: 20	686863	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range C	Organics (DRO)	42	10	50.00	0	84.5	68.9	141				
Surr: DNOP		4.2		5.000		84.3	70	130				
Sample ID:	2103565-003AMS	SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	SP-8 Bottom 1.5ft	Batch ID: 58689			RunNo: <b>75928</b>							
Prep Date:	3/12/2021	Analysis Date: 3/13/2021			S	SeqNo: 26	686864	Units: <b>mg/Kg</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range C	Drganics (DRO)	44	9.5	47.48	0	92.4	15	184				
Surr: DNOP		4.4		4.748		92.8	70	130				

#### **Qualifiers:**

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 10 of 15

2103565

16-Mar-21

Client:	Safety & Environmental Solutions												
Project:	Devon Tor	3											
Sample ID: 2103565-003AMSD SampType: MSD					TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID:	SP-8 Bottom 1.5ft	Batch II	): <b>58</b>	689	F	RunNo: <b>7</b>	5928						
Prep Date:	3/12/2021 Analysis Date: 3/13/2021			8	SeqNo: 26	686865	Units: mg/Kg						
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range O	rganics (DRO)	41	9.7	48.45	0	85.2	15	184	6.11	23.9			
Surr: DNOP		4.1		4.845		84.9	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 11 of 15

2103565

16-Mar-21
## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Safety & Devon To	Environme om Cat 16 S	ental So State 1	olutions 3							
Sample ID:	lcs-58684	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Range	9	
Client ID:	LCSS	Batch	ID: 58	684	F	RunNo: 7	5902		-		
Prep Date:	3/11/2021	Analysis Da	ate: 3/	12/2021	5	SeqNo: 2	2685645	Units: mg/K	ģ		
Analyte		Result	POI	SPK value	SPK Ref Val	%REC	l owl imit	e Hiahl imit	%RPD	RPDI imit	Qual
Gasoline Rang	ge Organics (GRO)	27	5.0	25.00	0	108	80	120		TH DEITIN	Quui
Surr: BFB		990		1000		99.2	75.3	105			
Sample ID:	mb-58684	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Range	9	
Client ID:	PBS	Batch	ID: 58	684	F	RunNo: 7	5902				
Prep Date:	3/11/2021	Analysis Da	ate: <b>3</b> /	12/2021	5	SeqNo: 2	2685646	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		880		1000		87.8	75.3	105			
Sample ID: 2103565-003ams SampType: MS					Tes	tCode: E	PA Method	8015D: Gaso	line Range	9	
Client ID:	SP-8 Bottom 1.5ft	Batch	ID: 58	684	F	RunNo: 7	5902				
Prep Date:	3/11/2021	Analysis D	ate: 3/	12/2021	5	SeqNo: 2	2686325	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	31	4.8	24.06	0	130	61.3	114			S
Surr: BFB		1000		962.5		105	75.3	105			S
Sample ID:	2103565-003amsd	SampT	ype: M	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SP-8 Bottom 1.5ft	Batch	ID: 58	684	F	RunNo: <b>7</b>	5902				
Prep Date:	3/11/2021	Analysis D	ate: <b>3</b> /	12/2021	S	SeqNo: 2	2686326	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	30	4.7	23.28	0	129	61.3	114	4.76	20	S
Surr: BFB		910		931.1		97.7	75.3	105	0	0	
Sample ID:	mb-58673	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: 58	673	F	RunNo: 7	5901				
Prep Date:	3/11/2021	Analysis D	ate: <b>3</b> /	12/2021	8	SeqNo: 2	2686708	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		104	75.3	105			
Sample ID:	lcs-58673	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Range	9	
Client ID:	LCSS	Batch	ID: 58	673	F	RunNo: 7	5901				
Prep Date:	3/11/2021	Analysis Da	ate: <b>3</b> /	12/2021	5	SeqNo: 2	2686709	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

Page 12 of 15

2103565

16-Mar-21

WO#:

Client:	Safety & Environmen	tal So	olutions							
Project:	Devon Tom Cat 16 S	tate 1:	5							
Sample ID: Ics-5867	3 SampTy	be: LC	S	Test	Code: EF	PA Method	8015D: Gaso	line Range	e	
Client ID: LCSS	Batch I	D: 586	673	R	unNo: <b>7</b>	5901				
Prep Date: 3/11/20	Analysis Dat	e: <b>3</b> /	12/2021	S	eqNo: 26	686709	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	(GRO) 27	5.0	25.00	0	108	80	120			
Surr: BFB	1100		1000		114	75.3	105			S

Qualifiers:

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

WO#: 2103565 16-Mar-21

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

Client:	Safety &	Environm	ental So	olutions							
Project:	Devon To	om Cat 16	State 1	3							
Sample ID:	Ics-58684 SampType: LCS				Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batcl	h ID: 58	684	F	RunNo: <b>75902</b>					
Prep Date:	3/11/2021	Analysis E	Date: 3/	12/2021	S	SeqNo: 2	685648	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.85	0.025	1.000	0	84.7	80	120			
Toluene		0.84	0.050	1.000	0	83.9	80	120			
Ethylbenzene		0.84	0.050	1.000	0	83.5	80	120			
Xylenes, Total		2.5	0.10	3.000	0	82.6	80	120			
Surr: 4-Bron	nofluorobenzene	0.87		1.000		86.6	80	120			
Sample ID:	mb-58684	SampT	Гуре: <b>М</b>	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batcl	h ID: 58	684	F	RunNo: 7	5902				
Prep Date:	3/11/2021	Analysis D	Date: 3/	12/2021	S	SeqNo: 2	685649	Units: mg/k	٢g		
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-Bron	nofluorobenzene	0.85		1.000		84.5	80	120			
Sample ID:	2103565-004ams	SampT	ype: M	S	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID:	SP-9 Bottom 1.5ft	Batcl	h ID: 58	684	F	RunNo: <b>7</b>	5902				
Prep Date:	3/11/2021	Analysis D	Date: 3	12/2021	S	SeqNo: 2	686346	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.024	0.9569	0	93.8	76.3	120			
Toluene		0.90	0.048	0.9569	0	94.6	78.5	120			
Ethylbenzene		0.90	0.048	0.9569	0	94.5	78.1	124			
Xylenes, Total		2.7	0.096	2.871	0	93.6	79.3	125			
Surr: 4-Bron	nofluorobenzene	0.80		0.9569		83.9	80	120			
Sample ID:	2103565-004amsd	SampT	ype: M	SD	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID:	SP-9 Bottom 1.5ft	Batcl	h ID: 58	684	F	RunNo: <b>7</b>	5902				
Prep Date:	3/11/2021	Analysis D	Date: 3	12/2021	S	SeqNo: 2	686347	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	0.9940	0	94.1	76.3	120	4.12	20	
Toluene		0.94	0.050	0.9940	0	94.1	78.5	120	3.31	20	
Ethylbenzene		0.93	0.050	0.9940	0	93.7	78.1	124	2.96	20	
Xylenes, Total		2.8	0.099	2.982	0	92.8	79.3	125	2.97	20	
Surr: 4-Bron	nofluorobenzene	0.85		0.9940		85.6	80	120	0	0	

### Qualifiers:

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

WO#: **2103565** 

Released to Imaging: 10/12/2022 11:03:56 AM

Client: Safet	y & Environm n Tom Cat 16	ental Sc State 12	olutions 3								
			-								
Sample ID: mb-58673	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles			
Client ID: PBS	Batc	h ID: 58	673	RunNo: <b>75901</b>							
Prep Date: 3/11/2021	Analysis [	Date: <b>3</b> /	12/2021	5	BeqNo: 2	686749	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.96		1.000		96.5	80	120				
Sample ID: LCS-58673	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: LCSS	Batc	h ID: 58	673	F	RunNo: 7	5901					
Prep Date: 3/11/2021	Analysis [	Date: <b>3</b> /	12/2021	5	SeqNo: 2	686750	Units: <b>mg/</b> #	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.025	1.000	0	87.7	80	120				
Toluene	0.90	0.050	1.000	0	90.2	80	120				
Ethylbenzene	0.90	0.050	1.000	0	90.4	80	120				
Xylenes, Total	2.7	0.10	3.000	0	89.6	80	120				
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120				

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 15 of 15

2103565

16-Mar-21

WO#:

Page	<i>113</i>	of	116

HALL ENVIRONMENTA ANALYSIS LABORATORY	Hall Environ L TEL: 505-34 Website: ch	mental Analysis Labord 4901 Hawkin Albuquerque, NM 83 5-3975 FAX: 505-345-4 ients.hallenvironmental.	ntory s NE 7109 <b>San</b> 4107 .com	nple Log-In Check List
Client Name: Safety & En Solutions	vironmental Work Order N	umber: 2103565		RcptNo: 1
Received By: Cheyenne	Cason 3/11/2021 7:30:	00 AM		
Completed By: Sean Livin	gston 3/11/2021 9:01:	03 AM	51	not
Reviewed By: UCC	3/11/21			der-
Chain of Custody				
1. Is Chain of Custody comple	ete?	Yes 🗹	No 🗌	Not Present
2. How was the sample delive	ered?	Courier		
Log In 3. Was an attempt made to co	ool the samples?	Yes 🗹	No 🗌	
4. Were all samples received a	at a temperature of >0° C to 6.0°C	Yes 🔽	No 🗌	
5. Sample(s) in proper contair	ner(s)?	Yes 🔽	No 🗌	
6. Sufficient sample volume fo	r indicated test(s)?	Yes 🗹	No 🗌	
7. Are samples (except VOA a	nd 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 🗌	
10. Were any sample container	s received broken?	Yes 🗆	No 🗹	# of preserved
11. Does paperwork match bott (Note discrepancies on chai	le labels? n of custody)	Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 unless note
12. Are matrices correctly identi	fied on Chain of Custody?	Yes 🔽	No 🗌	Adjusted?
13. Is it clear what analyses we	re requested?	Yes 🔽	No 🗌	
14. Were all holding times able (If no, notify customer for au	to be met? ithorization.)	Yes 🗹	No 🗌	Checked by: DAD 3/11/2
Special Handling (if app	licable)			
15. Was client notified of all dis	crepancies with this order?	Yes 🗌	No 🗌	NA 🗹
Person Notified:	Di	ate:		
By Whom:	Vi	a: 🗌 eMail 🗌 P	hone 🗌 Fax	In Person
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u> Cooler No Temp °C	Condition Seal Intact Seal N	o Seal Date	Signed By	
1 1.9	Good			

Page 1 of 1

Analysis Request	M   S	Page 114 of 140
Turn-Around Time: Sourt Project Name: Dev Dov Project #: Project #: Dev 16 - 001	Project Manager:	Acceived by: Via: Date 00   Acceived by: Via: Date T
Client: Statu - Custody Record Client: Staty + ENUL-ANNU-Ad Mailing Address: 703 6. Mundon Mailing Address: 703 6. Mundon Phone #: 575-397. 0510	email or Fax#:   OA/OC Package:     OA/OC Package:   Date     I Standard   I Level 4 (Full Validation)     Accreditation:   Date     I NELAC   Other     I EDD (Type)   Imatrix     Date   Time     Matrix   Sample Name     ON/N   OULS	1020 5 52 5 5   111 5 5 5 5   111 5 5 5 5   111 5 5 5 5   111 5 5 5 5   111 5 5 5 5   111 5 5 5 5   112 5 5 5 5   113 5 5 5 5   113 5 5 5 5   113 5 5 5 5   12 5 5 5 5   12 5 5 5 5   12 5 5 5 5   12 5 5 5 5   12 5 5 5 5   12 5 5 5 5   13 6 5 5 5   13 6 5 5 5   14 5 5 5 5   15 5 5 5 5   16 17 5 5   16 17

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

# Closure

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

<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following i	items must be included in the closure report.						
A scaled site and sampling diagram as described in 19.15.29.1	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	C District office must be notified 2 days prior to final sampling)						
Description of remediation activities	Description of remediation activities						
	,						
I hereby certify that the information given above is true and comple and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C	ete to the best of my knowledge and understand that pursuant to OCD rules in release notifications and perform corrective actions for releases which a C-141 report by the OCD does not relieve the operator of liability mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.						
Printed Name:	Title:						
Signature: Amanda / Laus	Date:						
email:	Telephone:						
OCD Only							
Received by:	Date:						
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.							
Closure Approved by: Buttan Hall	Date: _10/12/2022						
Printed Name: Brittany Hall	Title: Environmental Specialist						

Page 6

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

Operator:	OGRID:
Safety & Environmental Solutions, Inc.	329088
PO Box 1613	Action Number:
Hobbs, NM 88240	26849
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created	Condition	Condition Date
By		
bhall	Requires like approval from NMSLO.	10/12/2022

CONDITIONS

Action 26849