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								
			•		tal Labs: 5/			
Sample Id	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl	Total
							benzene	Xylenes
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
		N 1/A	N 1/A	N 1/A	N 1/A	N1/A		N1/A
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
	000	N1/A	N1/A	N1/A	N1/A	N1/A	N1/A	N1/A
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
AH4 @ 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
			r	r				
AH6 @ 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
-	ſ			1			ſ	ſ
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
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:

SRO ND ND ND ND	tal Labs: 6/ Benzene ND ND ND	Toluene ND ND ND	Ethyl benzene ND ND	Total Xylenes ND ND
ND ND	ND ND	ND ND	ND ND	ND ND
ND	ND	ND		
			ND	ND
ND	ND			
			ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
	ND ND ND ND ND ND	ND ND ND ND ND ND ND ND 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	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl	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

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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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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 domes	stic	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)				

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⁻) (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 ^XOil 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 6 0 6

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	of Company Devon Energy Production Contact		Production Assistant Foreman			
Address 6488 Seven Rivers Hwy Artesia, NM 88220		Telephone No. 575.748.5209				
Facility Name Tomcat 16 State 13		Facility Type Oil				
			API No. 30-025-354			
Surface Owner State	Mineral	Owner State	AFI NO. 30-023-334	<u> </u>		

LOCATION OF RELEASE

Γ	Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	Δ	16	23S	32Ĕ	660	FNL	660	FEL	Lea
	<i>r</i> • .	10	255	520					
							· · · · ·		

Latitude: 32.302652

Longitude: -103.685551

NATURE OF RELEASE

Type of Release Spill Produced water & Oil	Volume of Release	Volume Re			
	50 BBL Produced water & 37 BBL Oil	42 BBL Pro	duced water & 33 BBL Oil		
Source of Release 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			
Was Immediate Notice Given?	If YES, To Whom?				
🛛 Yes 🗌 No 🗌 Not Required					
	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 Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse			
Yes X No	N/A				
			· · · · · · · · · · · · · · · · · · ·		
If a Watercourse was Impacted, Describe Fully.* N/ A					
Describe Cause of Problem and Remedial Action Taken.*		• .			
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.*		analoggad Am	movimately 42 PPI		
An approximant total of 50 BBL of produced water was released and an produced water recovered and approximately 33 BBL oil recovered. This	approximant total of 5/ BBL of oil was	s released. Ap	proximately 42 BBC		
On pad on a 189 x 93 area 6 BBL of produced water & 4 BBL of oil was	released 4 BBL produced water recov	vered and 3 BI	BL oil recovered. This took		
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 should their operations have failed to adequately investigate and remedia	te contemination that nose a threat to a	does not rene	surface water human health		
or the environment. In 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: Jeanette Barron			<u> </u>		
Printed Name: Jeanette Barron	Approved by Environmental Speciali	st:			
Title: Field Admin Support	Approval Date: 01/14/2016	Expiration D	ate: 05/14/2010		
	Conditions of Approval:				
E-mail Address: Jeanette.barron@dvn.com	Conditions of Approval: Site samples required. Delineate and	l remediate	Attached		

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 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	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	% 35-147							
Surrogate: 1-Chlorooctadecane	83.3	% 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 9	% 73.6-14	0						
Chloride, SM4500CI-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	7						
Surrogate: 1-Chlorooctadecane									

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 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	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	% 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 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	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	81.6	% 35-147	7						
Surrogate: 1-Chlorooctadecane	77.2	% 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	% 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	% 35-147	7						
Surrogate: 1-Chlorooctadecane	81.0 % 28-17		,						

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 % 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	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	% 35-147	7						
Surrogate: 1-Chlorooctadecane	80.0 % 28-17								

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 % 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	80.3	% 35-147	7						
Surrogate: 1-Chlorooctadecane	78.9% 28-17								

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-wel abut Caudnal be faibe for incidental or sontequerial damages, including sufficed indigition, bounders identifyion, bett of urs, or logit of profit incurred by stori, its storigation, rt EX 35 HOT 5: Uniting and Damapas. Cardinata fability and elareta wedanity runsed, for any datim adding whathar saved in source of each, and be influed to the smooth paid by the start for the any just. At datime thebading these for ourse and any other same whatto ever that be deamed waived uptart much in willing and rooked by Cardinal Within 30 days after some differentiation of the appendix Fax #: Sampler - UPS - Bus - Other; minies or processor adding out of or raddad to the performance of anyless harsupport by Cardnal, reprident of whether such datas it based spon any of the shore interferences 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 attorney'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



5/4/2	2021, 8:34:497	-								
Wells	- Large Scale	¥	CO2, Temporarily Abandoned	ŗ	Injection, Cancelled	•	Oil, Plugged	۵	Water, Active	0
?	undefined	☆	Gas, Active	r	Injection, New	•	Oil, Temporarily Abandoned		Water, Cancelled	г 0
•	Miscellaneous	\$	Gas, Cancelled	Ń	Injection, Plugged	۵	Salt Water Injection, Active	٠	Water, New	-
¥	CO2, Active	¢	Gas, New	,¢	Injection, Temporarily Abandoned	\square	Salt Water Injection, Cancelled	٠	Water, Plugged	[
∗	CO2, Cancelled	☆	Gas, Plugged	•	Oil, Active	۵	Salt Water Injection, New	٠	Water, Temporarily Abandoned) T
¥	CO2, New	☆	Gas, Temporarily Abandoned	٠	Oil, Cancelled	۵	Salt Water Injection, Plugged	*	OCD District Offices	I
¥	CO2, Plugged	ø	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

CR212 COPPE 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: 5/13/2				
CLIENT:	Safety & Environmental Solution	ons	Clie	nt Sample II	D: Al	I-1 Surface		
Project:	Devon Tomcat 16 State 13		Co	ollection Dat	e: 5/5	5/2020 9:20:00 AM		
Lab ID:	2005277-001	Matrix: SOIL	R	Received Date: 5/7/2020 9:15:00 AM				
Analyses		Result	RL (Qual Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS					Analys	st: 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	t: CAS
Chloride	130	60	mg/Kg	20	5/9/2020 6:30:57 PM	52365
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst	t: 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	t: 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	t: 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 E	Hall Environmental Analysis Laboratory, Inc					Analytical Report Lab Order 2005277 Date Reported: 5/13/2020			
CLIENT:	Safety & Environmental Soluti	ons	Cli	ient Sa	ample II	D: AH-2 Surface			
Project:	Devon Tomcat 16 State 13		C	Collect	tion Dat	e: 5/5/2020 9:40:00 AM			
Lab ID:	2005277-003	Matrix: SOIL	Received Date: 5/7/2020 9:15:00 AM						
Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch		
EPA MET	THOD 300.0: ANIONS					Analyst	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 OR	GANICS				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 Er	vironmental Analysis	•	Analytical Report Lab Order 2005277 Date Reported: 5/13/2020					
CLIENT: Project:	Safety & Environmental Solution Devon Tomcat 16 State 13	ons		-		I-3 Surface		
Lab ID:	2005277-005	Matrix: SOIL	00110			/2020 9:15:00 AM		
Analyses		Result	RL Qua	l Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS					Analys	st: 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

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	E 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 RANG	Ε				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: VOLATILES					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 Er	vironmental Analysis	s Laboratory, Inc	•		Analytical Report Lab Order 2005277 Date Reported: 5/13/20)20			
CLIENT:	Safety & Environmental Solution	ons	Client S	ample I	D: AH-4 Surface				
Project:	Project: Devon Tomcat 16 State 13			Collection Date: 5/5/2020 10:30:00 AM					
Lab ID:	2005277-007	Matrix: SOIL	Rece	ived Dat	te: 5/7/2020 9:15:00 AM				
Analyses		Result	RL Qua	l Units	DF Date Analyzed	Batch			
EPA MET	HOD 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

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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					Analysi	t: CAS
Chloride	330	60	mg/Kg	20	5/9/2020 7:44:59 PM	52365
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst	t: 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	t: 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	t: 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

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Hall E	vironmental Analysis	s Laboratory, Inc	•			Analytical Report Lab Order 2005277 Date Reported: 5/13/20	020
CLIENT:	Safety & Environmental Solution	ons	Clien	t Sample II): AF	I-5 Surface	
Project:	Devon Tomcat 16 State 13		Col	lection Date	e: 5/5	5/2020 11:30:00 AM	
Lab ID:	2005277-009	Matrix: SOIL	Re	ceived Date	e: 5/7	/2020 9:15:00 AM	
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	st: 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

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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		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	ND	60	mg/Kg	20	5/9/2020 8:34:22 PM	52365
EPA METHOD 8015M/D: DIESEL RANG	GE 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 RAN	GE				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

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Hall Er	vironmental Analysis	s Laboratory, Inc	•			Analytical Report Lab Order 2005277 Date Reported: 5/13/20	020
CLIENT:	Safety & Environmental Solution	ons		-		I-6 Surface	
Project:	Devon Tomcat 16 State 13		Collection Date: 5/5/2020 12:20:00 PM				
Lab ID:	2005277-011	Matrix: SOIL	Rec	eived Dat	e: 5/7	/2020 9:15:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	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

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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
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Hall Environmental Analysis Laboratory, Inc				Analytical Report Lab Order 2005277 Date Reported: 5/13/20				
CLIENT:	Safety & Environmental Soluti	ons	Clier	nt Sample II): AF	I-7 Surface		
Project:	Devon Tomcat 16 State 13		Co	llection Date	e: 5/5	5/2020 1:00:00 PM		
Lab ID:	2005277-013	Matrix: SOIL	R	eceived Date	7/2020 9:15:00 AM			
Analyses		Result	RL Q	Qual Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS					Analys	st: 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

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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-7 1' Collection Date: 5/5/2020 1:15:00 PM

Lab ID: 2005277-014	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	ND	60	mg/Kg	20	5/9/2020 9:23:43 PM	52365
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/11/2020 9:19:33 PM	52347
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/11/2020 9:19:33 PM	52347
Surr: DNOP	85.2	55.1-146	%Rec	1	5/11/2020 9:19:33 PM	52347
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/10/2020 9:29:30 AM	52339
Surr: BFB	97.6	66.6-105	%Rec	1	5/10/2020 9:29:30 AM	52339
EPA METHOD 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
Ethylbenzene	ND	0.048	mg/Kg	1	5/10/2020 9:29:30 AM	52339
Xylenes, Total	ND	0.097	mg/Kg	1	5/10/2020 9:29:30 AM	52339
Surr: 4-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
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Hall E	nvironmental Analysis	s Laboratory, Inc	∕●			Analytical Report Lab Order 2005277 Date Reported: 5/13/2	020
CLIENT:	Safety & Environmental Solution	ons	Clie	nt Sample II): AF	I-8 Surface	
Project:	Devon Tomcat 16 State 13		Co	ollection Date	e: 5/5	5/2020 1:30:00 PM	
Lab ID:	2005277-015	Matrix: SOIL	R	eceived Date	e: 5/7	//2020 9:15:00 AM	
Analyses		Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	st: 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

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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-8 1'

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

		~				
Lab ID: 2005277-016	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	ND	60	mg/Kg	20	5/9/2020 9:48:23 PM	52365
EPA METHOD 8015M/D: DIESEL RAN	GE 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 RAM	IGE				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

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Hall Ei	vironmental Analysis	s Laboratory, Inc	•				Analytical Report Lab Order 2005277 Date Reported: 5/13/20)20
CLIENT:	Safety & Environmental Soluti	ons	Cli	ient Sa	ample II	D: AF	I-9 Surface	
Project:	Devon Tomcat 16 State 13		(Collect	tion Dat	e: 5/5	5/2020 1:50:00 PM	
Lab ID:	2005277-017	Matrix: SOIL		Recei	ved Dat	e: 5/7	//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 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

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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		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 10:13:04 PM	52365
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/11/2020 10:08:02 PM	52347
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/11/2020 10:08:02 PM	52347
Surr: DNOP	92.0	55.1-146	%Rec	1	5/11/2020 10:08:02 PM	52347
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/10/2020 10:16:17 AM	52339
Surr: BFB	98.4	66.6-105	%Rec	1	5/10/2020 10:16:17 AM	52339
EPA METHOD 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
Ethylbenzene	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-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

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	ety & Environmental Solutions von Tomcat 16 State 13								
Sample ID: MB-52365	SampType: mblk	TestCode: EPA Method	300.0: Anions						
Client ID: PBS	Batch ID: 52365	RunNo: 68777							
Prep Date: 5/9/2020	Analysis Date: 5/9/2020	SeqNo: 2379987	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	ND 1.5								
Sample ID: LCS-52365	SampType: Ics	TestCode: EPA Method	300.0: Anions						
Client ID: LCSS	Batch ID: 52365	RunNo: 68777							
Prep Date: 5/9/2020	Analysis Date: 5/9/2020	SeqNo: 2379988	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	14 1.5 15.00	0 94.9 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

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2005277

13-May-20

WO#:

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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Safety	& Environm	ental Sc	olutions							
Project: Devor	n Tomcat 16 S	State 13								
Sample ID: LCS-52347	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batc	h ID: 52	347	F	RunNo: 6	8785				
Prep Date: 5/8/2020	Analysis [Date: 5 /	11/2020	S	SeqNo: 2	380866	Units: mg/K	(g		
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	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 52	347	F	RunNo: 6	8785				
Prep Date: 5/8/2020	Analysis [Date: 5 /	11/2020	S	SeqNo: 2	380867	Units: mg/K	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.2	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

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WO#: 2005277 13-May-20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		& Environmental S Tomcat 16 State 1														
Sample ID:		SampType: L					8015D: Gaso	line Rang	e							
Client ID:	LCSS	Batch ID: 5	2339	F	8unNo: 68	3773										
Prep Date:	5/7/2020	Analysis Date:	5/9/2020	S	eqNo: 23	379667	Units: mg/K	g								
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Gasoline Rang	e Organics (GRO)	23 5.0	0 25.00	0	90.4	80	120									
Surr: BFB		1100	1000		110	66.6	105			S						
Sample ID:	mb-52339	SampType: N	IBLK	Tes	tCode: EP	A Method	8015D: Gaso	line Rang	e							
Client ID:	PBS	Batch ID: 5	2339	F	RunNo: 68	3773										
Prep Date:	5/7/2020	Analysis Date:	5/9/2020	S	eqNo: 23	79669	Units: mg/K	g								
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 5.0 1000	0 1000		104	66.6	105									
Sample ID:	mb-52369	SampType: N	IBLK	Tes	tCode: EP	A Method	8015D: Gaso	line Rang	e							
Client ID:	PBS	Batch ID: 5	2369	F	RunNo: 68	802										
Prep Date:	5/9/2020	Analysis Date:	5/11/2020	S	eqNo: 23	80989	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	SampType: L	CS	Tes	tCode: EP	A Method	8015D: Gaso	line Rang	e							
Client ID:	LCSS	Batch ID: 5	2369	F	RunNo: 68	802										
Prep Date:	5/9/2020	Analysis Date:	5/11/2020	S	eqNo: 23	80990	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

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2005277

13-May-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

•	Environmental Solutions omcat 16 State 13	IS	
Sample ID: LCS-52339	SampType: LCS	TestCode: EPA Metho	d 8021B: Volatiles
Client ID: LCSS	Batch ID: 52339	RunNo: 68773	
Prep Date: 5/7/2020	Analysis Date: 5/9/2020	SeqNo: 2379751	Units: mg/Kg
Analyte	Result PQL SPK v	value SPK Ref Val %REC LowLim	it HighLimit %RPD RPDLimit Qual
Benzene	0.83 0.025 1	1.000 0 82.8 8	0 120
Toluene	0.88 0.050 1	1.000 0 87.8 8	0 120
Ethylbenzene	0.88 0.050 1	1.000 0 88.5 8	0 120
Xylenes, Total	2.6 0.10 3	3.000 0 88.3 8	0 120
Surr: 4-Bromofluorobenzene	0.96 1	1.000 95.9 8	0 120
Sample ID: mb-52339	SampType: MBLK	d 8021B: Volatiles	
Client ID: PBS	Batch ID: 52339	RunNo: 68773	
Prep Date: 5/7/2020	Analysis Date: 5/9/2020	SeqNo: 2379753	Units: mg/Kg
Analyte	Result PQL SPK v	value SPK Ref Val %REC LowLim	it HighLimit %RPD RPDLimit Qual
Benzene	ND 0.025		
Toluene	ND 0.050		
Ethylbenzene	ND 0.050		
Xylenes, Total	ND 0.10		
Surr: 4-Bromofluorobenzene	0.99 1	1.000 98.9 8	0 120
Sample ID: mb-52369	SampType: MBLK	TestCode: EPA Metho	d 8021B: Volatiles
Client ID: PBS	Batch ID: 52369	RunNo: 68802	
Prep Date: 5/9/2020	Analysis Date: 5/11/2020	0 SeqNo: 2381030	Units: %Rec
Analyte	Result PQL SPK v	value SPK Ref Val %REC LowLim	it HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.94 1	1.000 94.1 8	0 120
Sample ID: LCS-52369	SampType: LCS	TestCode: EPA Metho	d 8021B: Volatiles
Client ID: LCSS	Batch ID: 52369	RunNo: 68802	
Prep Date: 5/9/2020	Analysis Date: 5/11/2020	0 SeqNo: 2381031	Units: %Rec
Analyte	Result PQL SPK v	value SPK Ref Val %REC LowLim	it HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.94 1	1.000 93.8 8	0 120

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

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2005277

13-May-20

WO#:

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

ANAL	RONMENTAL YSIS RATORY	Hall Environment A TEL: 505-345-39 Website: www.	4901 Ha Ibuquerque, N 75 FAX: 505	wkins NE 1M 87109 S 345-4107	Sample Log-In Check List							
Client Name:	Safety Env Solutions	Work Order Numbe	er: 2005277		RcptN	o: 1						
Received By:	Desiree Dominguez	5/7/2020 9:15:00 AN		Đ	2							
Completed By:	Desiree Dominguez	5/7/2020 10:33:14 A	м	TA								
Reviewed By:	DAD 5/7/20				2							
Chain of Cus	tody											
1. Is Chain of C	ustody sufficiently complete?		Yes 🗹	No [Not Present							
2. How was the	sample delivered?		<u>Courier</u>									
Log In												
3. Was an attem	npt made to cool the samples	?	Yes 🗹	No [
4. Were all samp	oles received at a temperature	e of >0° C to 6.0°C	Yes 🔽	No [
5. Sample(s) in	proper container(s)?		Yes 🗹	No [
5. Sufficient sam	ple volume for indicated test	s)?	Yes 🔽	No []							
. Are samples (except VOA and ONG) prope	rly preserved?	Yes 🔽	No 🗌]							
. Was preserva	tive added to bottles?		Yes 🗌	No 🕨								
. Received at le	east 1 vial with headspace <1/	4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	ID						
	nple containers received brok	en?	Yes 🗀	No	t of preserved bottles checked	517120						
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No		or >12 unless noted						
	correctly identified on Chain o	f Custodv?	Yes 🗸	No 🗌	Adjusted?							
	t analyses were requested?		Yes V	No [
	ng times able to be met? ustomer for authorization.)		Yes 🔽	No 🗌	Checked by:							
pecial Handl	ing (if applicable)											
5. Was client no	tified of all discrepancies with	this order?	Yes 🗌	No [NA 🗹							
Person	Notified:	Date:			-							
By Who	om:	Via:	eMail	Phone F	ax 🗍 In Person							
Regardi	ing:											
Client Ir	nstructions:											
6. Additional rei	marks:											
7. <u>Cooler Infor</u> Cooler No 1	Temp °C Condition S	Seal Intact Seal No ot Present	Seal Date	Signed By								

Page 1 of 1

Receiv	ed by	OCD	: 5/4	/202	11:	11:5	8 PM	_								-										<u> </u>	Pag	e 60 o	f]1
	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Anal	*Os	SO⁴' 6 SIWS	5, F	(1.1) 827 827 827	3/2% 504 %	310 310 310 310 310 310 310 310 310 310	etto y 83 3r, 1 AOY	TPH:80 8081 P6 8081 P6 8260 (V 8270 (S Total C 7 7 01al C													arks:	A.	Perkal	The second
						10.00		_	1.1.		-	222.	/ X∃T8		X		X		\ge		$\widehat{\boldsymbol{X}}$		X		\mathbb{R}	Remarks:	C	(- mesibil
	2015	्राम्सार्ट 12	69		101		Q/A		-u-l	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	0	5 5/7/20 9:15	This serves as police of this
d Time: //	d D Rus	ne: Deview	208484	11 1	1-16-00	nager:	lev, d	1	オレス	Nes)) - ::	ID(including CF): 0	Preservative Tvpe		~											Via:	/	Via: Courto	ctorodal habitation
Turn-Around Time:	C Standard	Project Name:	- HOIN	Project #:	S	Project Manage	H		Sampler:	On Ice:	# of Coolers:	Cooler Temp(including CF):	Container Tvpe and #]	1	1	1	1	1	1	1)	/	/	}	Received by:	1X1	Received by:	
Chain-of-Custody Record	ledy + / shuten week	ad war	SS: 722 C. CINYON	K N.W	15-397.0510				□ Az Compliance	Other			Matrix Sample Name	So	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 frigher	A 2 14-6 19	Relinquishe	100	Relinquished by:	
Chajr Belease	Clien	Imag	Mailing Address:	Addad 10/1	2/20 Ehone #: 5	22 email or Fax#:	avac Package:		Accreditation:	D NELAC	EDD (Type)		Date Time	35/05 0920	. 099	3460	1000	1005	1015	020/ (1111	1 1(30	1 11rt	1220	05 05 (235	1	29/07 1080	Slotz Time:	

<i>Received by OCD: 5/4/202<mark>1 1</mark>:</i>	11:58 PM		- Page 61 of 1
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	EDB (Method 504.1) PAHs by 8310 or 8270SIMS SCRA 8 Metals S260 (VOA) B270 (Semi-VOA) Total Coliform (Present/Absent) CAGN-UG		ONON Son Lunger Relinguished by: Via: Date Time Relinguished by: Via: Date Time Cources Statter 9:20
H901 H	2081 Pesticides/8082 PCB's		X.
	BTEX / MTBE / TMB's (8021)		
Turn-Around Time: Turn-Around Time: Standard Rush Project Name: Device Scort 13 Use 208 48469 Project #: Devi-16-001	Project Manager: Project Manager: Sampler: Dev Res DNo On Ice: B Yes DNo Mo Coolers: 1 Cooler Temp(including cr): 0, 3 10+0 = 0, 3 (°C) Container Preservative HEAL No. Type and # Type	Tale 1013 1013 1014 1015 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1014 1015 1	Received by Via: 5/2, 20 DSVD Received by Via: /Date Time
Chain-of-Custody Record Client: Lebut Environment Mailing Address: 703 6 (11NTON Mailing Address: 703 6 (11NTON Mailing Address: 703 6 (11NTON)	Cemail or Fax#: QAVOC Package: QAVOC Package: QAVOC Package: Candard Date NELAC Date Netrix Samole Name	1300 1315 1325 1320 1350 1350 1350 1350 1350 1350 1350 135	0



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 Environmental Analysis Laboratory, Inc	ll Environmental Analysis Lab	oratory, Inc.
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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	: ЈМТ
Chloride	ND	60	mg/Kg	20	6/10/2020 11:38:50 AM	52998
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

CLIENT: Safety & Environmental Solutions

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

Lab ID: 2006230-002	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 11:51:11 AM	52998		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				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 RAI	NGE				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		

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	Environmental	Analysis	Laboratory,	Inc.
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Hall En	vironmental Analysis	Laboratory,	Inc.			Date Reported: 6/11/20	20
CLIENT:	Safety & Environmental Solution	ns	Cl	ient Sample II	D: 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		Received Date	e: 6/4	/2020 9:20:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METH	HOD 300.0: ANIONS					Analys	t: JMT
Chloride		450	60	mg/Kg	20	6/10/2020 12:03:31 PN	1 52998
EPA METH	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: BRM
Diesel Ra	nge Organics (DRO)	ND	9.9	mg/Kg	1	6/6/2020 4:38:53 PM	52911
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	6/6/2020 4:38:53 PM	52911
Surr: D	NOP	91.6	55.1-146	%Rec	1	6/6/2020 4:38:53 PM	52911
EPA METH	HOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2020 8:27:44 PM	52895
Surr: B	FB	84.8	66.6-105	%Rec	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	
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 Environmental Analysis Laboratory
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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	Received Date: 6/4/2020 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 RANG	E 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 RANG	GE				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

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Lab ID:

Analytical Report
Lab Order 2006230

Date Reported: 6/11/2020

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	ORGANICS				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 RANG	E				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

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					Analys	t: JMT
Chloride	ND	59	mg/Kg	20	6/10/2020 12:40:35 PM	1 52998
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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

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Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall Environmental Analysis Laboratory, Inc.

	· · · · · · · · · · · · · · · · · · ·						Date Reported. 0/11/202	10			
CLIENT: Safety & Environmental Solutions Client Sample ID: AH-16-H East Surface											
Project: Devon Tomcat 16 State 13				Collection Date: 6/2/2020 11:55:00 AM							
Lab ID:	2006230-007	Matrix: SOIL Received Date: 6/4/2020 9:20:00 AM									
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS						Analyst	ЈМТ			
Chloride		160	60		mg/Kg	20	6/10/2020 12:52:55 PM	52998			
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	BRM			
Diesel R	ange Organics (DRO)	ND	9.6		mg/Kg	1	6/6/2020 11:44:06 AM	52917			
Motor Oi	l Range Organics (MRO)	ND	48		mg/Kg	1	6/6/2020 11:44:06 AM	52917			
Surr: I	DNOP	56.9	55.1-146		%Rec	1	6/6/2020 11:44:06 AM	52917			
EPA MET	THOD 8015D: GASOLINE RANG	GE					Analyst	NSB			
Gasoline	e Range Organics (GRO)	ND	4.7		mg/Kg	1	6/6/2020 11:36:46 PM	52895			
Surr: I	BFB	83.3	66.6-105		%Rec	1	6/6/2020 11:36:46 PM	52895			
EPA MET	THOD 8021B: VOLATILES						Analyst	NSB			
Benzene	9	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			
Ethylben	izene	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	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

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Lab ID:

Analytical Report
Lab Order 2006230

Date Reported: 6/11/2020

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 OF	RGANICS					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

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Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall E	Invironmental	Analysis	Laboratory,	Inc.
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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	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	160	60		mg/Kg	20	6/10/2020 1:17:36 PM	52998		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	BRM		
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/6/2020 12:32:32 PM	52917		
Motor Oil 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 METHOD 8015D: GASOLINE RAI	NGE					Analyst	: NSB		
Gasoline 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 METHOD 8021B: VOLATILES						Analyst	: NSB		
Benzene	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		
Ethylbenzene	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

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Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

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 OR	GANICS					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

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Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall Environmental Analysis Laboratory, Inc.	Hall En	vironmental	Analysis	Laboratory.	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 OF	RGANICS				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

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Lab ID:

Analytical Report Lab Order 2006230

Date Reported: 6/11/2020

Hall Environmental Analysis Laboratory, Inc.	Hall En	vironmental	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	GANICS				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

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	Safety & Environmenta Devon Tomcat 16 State								
Sample ID: MB-5299	D: MB-52998 SampType: mblk TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID:	52998	F	RunNo: 69559					
Prep Date: 6/10/20	20 Analysis Date:	6/10/2020	S	SeqNo: 2414133	Units: mg/K	g			
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5							
Sample ID: LCS-529	98 SampType	: Ics	Tes	tCode: EPA Metho	d 300.0: Anions	6			
Client ID: LCSS	Batch ID:	52998	F	RunNo: 69559					
Prep Date: 6/10/20	20 Analysis Date:	6/10/2020	5	SeqNo: 2414134	Units: mg/K	g			
Analyte	Result P	QL 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

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2006230

11-Jun-20

WO#:

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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11-Jun-20

WO#:

		2400140	01 <i>5</i> , 1110						11 - Jun-2	
2	& Environmental So Tomcat 16 State 13									
Sample ID: MB-52911	SampType: MI	3LK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 52	911	F	RunNo: 69	9424					
Prep Date: 6/5/2020	Analysis Date: 6/	6/2020	S	SeqNo: 24	409199	Units: mg/k	٢g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND 10									
Motor Oil Range Organics (MRO)	ND 50									
Surr: DNOP	11	10.00		111	55.1	146				
Sample ID: LCS-52911	SampType: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: LCSS	Batch ID: 52	911	F	RunNo: 69	9424					
Prep Date: 6/5/2020	Analysis Date: 6/	6/2020	S	SeqNo: 24	409200	Units: mg/k	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	S SampType: MS	3	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: AH-15-H North S	Surfa Batch ID: 52	917	F	RunNo: 69	9422					
Prep Date: 6/5/2020	Analysis Date: 6/	6/2020	S	SeqNo: 24	409512	Units: mg/	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 SampType: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: AH-15-H North	Surfa Batch ID: 52	917	F	RunNo: 69	9422					
Prep Date: 6/5/2020	Analysis Date: 6/	6/2020	S	SeqNo: 24	409513	Units: mg/	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	SampType: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: LCSS	Batch ID: 52	917	F	RunNo: 69	9422					
Prep Date: 6/5/2020	Analysis Date: 6/	6/2020	S	SeqNo: 24	409555	Units: mg/ł	٢g			
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

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

72.7

55.1

146

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

5.000

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3.6

5	& Environm Tomcat 16 S									
Sample ID: MB-52917	SampT	Гуре: МЕ	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 52	917	F	RunNo: 6	9422				
Prep Date: 6/5/2020	Analysis E	Date: 6 /	6/2020	S	SeqNo: 2	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 (MRO)	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

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2006230

11-Jun-20

WO#:

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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	•	Environmen omcat 16 Sta		olutions							
Sample ID:	mb-52895	SampTyp	e: ME	BLK	Test	Code: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch II	D: 52	895	R	unNo: 6	9459				
Prep Date:	6/4/2020	Analysis Dat	e: 6/	6/2020	S	eqNo: 2	409785	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 910	5.0	1000		90.7	66.6	105			
Sample ID:	LCS-52895	s	Test	Code: El	PA Method	8015D: Gaso	line Rang	e			
Client ID:	LCSS	895	R	unNo: 6	9459						
Prep Date:	6/4/2020	6/2020	S	eqNo: 24	409786	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	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	SampTyp	be: MS	8	Test	Code: El	PA Method	8015D: Gaso	line Rang	e	
	2006230-002ams AH-11-H North Su					Code: El		8015D: Gaso	line Rang	e	
	AH-11-H North Su		D: 52	895	F		9459	8015D: Gaso Units: mg/K	0	e	
Client ID:	AH-11-H North Su	i rfa Batch II Analysis Dat	D: 52	895 /6/2020	F	unNo: 6 9	9459		0	e RPDLimit	Qual
Client ID: Prep Date: Analyte	AH-11-H North Su	i rfa Batch II Analysis Dat	D: 52 e: 6/	895 /6/2020	ਸ S	tunNo: 6 9 GeqNo: 2 4	9459 409789	Units: mg/K	g		Qual
Client ID: Prep Date: Analyte	AH-11-H North Su 6/4/2020	n rfa Batch II Analysis Dat Result	D: 52 e: 6/ PQL	895 6/2020 SPK value	R S SPK Ref Val	aunNo: 69 GeqNo: 24 %REC	9459 409789 LowLimit	Units: mg/K HighLimit	g		Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	AH-11-H North Su 6/4/2020	rfa Batch II Analysis Dat Result 20 950	D: 52 e: 6 / PQL 5.0	895 6/2020 SPK value 24.95 998.0	F S SPK Ref Val 0	2unNo: 69 5eqNo: 24 %REC 80.0 95.7	9459 409789 LowLimit 80 66.6	Units: mg/K HighLimit 120	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	AH-11-H North Su 6/4/2020 ge Organics (GRO)	rfa Batch II Analysis Dat Result 20 950 I SampTyp	D: 52 e: 6 / PQL 5.0 pe: M \$	895 6/2020 SPK value 24.95 998.0	F S SPK Ref Val 0 Test	2unNo: 69 5eqNo: 24 %REC 80.0 95.7	9459 409789 LowLimit 80 66.6	Units: mg/K HighLimit 120 105	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	AH-11-H North Su 6/4/2020 ge Organics (GRO) 2006230-002amsd	rfa Batch II Analysis Dat Result 20 950 I SampTyp	D: 52 e: 6 / PQL 5.0 De: MS D: 52	895 /6/2020 SPK value 24.95 998.0 SD 895	F S SPK Ref Val 0 Test F	eqNo: 69 %REC 80.0 95.7	9459 409789 LowLimit 80 66.6 PA Method 9459	Units: mg/K HighLimit 120 105	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	AH-11-H North Su 6/4/2020 ge Organics (GRO) 2006230-002amsd AH-11-H North Su	rfa Batch II Analysis Dat Result 20 950 I SampTyp Irfa Batch II Analysis Dat	D: 52 e: 6 / PQL 5.0 De: MS D: 52	895 6/2020 SPK value 24.95 998.0 SD 895 6/2020	F S SPK Ref Val 0 Test F	2unNo: 6 6eqNo: 2 7 80.0 95.7 5 5 5 5 5 5 6 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	9459 409789 LowLimit 80 66.6 PA Method 9459	Units: mg/K HighLimit 120 105 8015D: Gaso	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	AH-11-H North Su 6/4/2020 ge Organics (GRO) 2006230-002amsd AH-11-H North Su	rfa Batch II Analysis Dat Result 20 950 I SampTyp Irfa Batch II Analysis Dat	D: 52 PQL 5.0 De: MS D: 52 Pe: 6/	895 6/2020 SPK value 24.95 998.0 SD 895 6/2020	R S SPK Ref Val 0 Test R S	2unNo: 69 6eqNo: 24 80.0 95.7 2Code: Ef 2unNo: 69 6eqNo: 24	9459 409789 LowLimit 80 66.6 PA Method 9459 409790	Units: mg/K HighLimit 120 105 8015D: Gaso Units: mg/K	Gg %RPD line Rang	RPDLimit e	

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

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-

0#: 2006230 11-Jun-20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	•	& Environm Fomcat 16 S		olutions							
Sample ID:	mb-52895	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batcl	h ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis D	Date: 6 /	6/2020	S	SeqNo: 2	409804	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-Brom	nofluorobenzene	1.1		1.000		107	80	120			
Sample ID:	LCS-52895	SampT	Гуре: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID:	LCSS	Batcl	h ID: 52	895	F						
Prep Date:	6/4/2020	Analysis D	Date: 6 /	6/2020	5	SeqNo: 2	409805	Units: mg/K	g		
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 SampT	Гуре: МS	6	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	AH-10-H West S	urfa Batcl	h ID: 52	895	F						
Prep Date:	6/4/2020	Analysis D	Date: 6 /	6/2020	S	SeqNo: 2	409807	Units: mg/K	g		
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	sd SampT	Гуре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	AH-10-H West S	urfa Batcl	h ID: 52	895	F	RunNo: 6	9459				
Prep Date:	6/4/2020	Analysis D	Date: 6 /	6/2020	S	BeqNo: 2 4	409808	Units: mg/K	g		
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	
Surry / 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

Client Name: Safety Env Solutions			Hall Environ TEL: 505-34. Website: w	490 Albuquero	01 Hawkin nue, NM 8 505-345-	ns NE 87109 84107	Sample Log-In Check List				
Client I	Name:	Safety Env S	Solutions	Work Order Nu	imber: 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		TP	5			
Review	ed By:	18		6/4/20							
Chain	of Cus	tody									
1. Is Ch	hain of Ci	ustody comple	ete?		Yes		No		Not Present		
2. How was the sample delivered?						rier					
Log II				5							
3. Was	an attem	pt made to co	ol the sample	6?	Yes		No				
4. Were	all samp	oles received a	at a temperatu	re of >0° C to 6.0°C	Yes		No				
5. Sam	ple(s) in p	oroper contain	er(s)?		Yes		No				
6. Suffic	cient sam	ple volume fo	r indicated tes	(s)?	Yes		No				
7. Are s	amples (except VOA a	nd ONG) prop	erly preserved?	Yes	\checkmark	No				
8. Was	preservat	tive added to I	pottles?		Yes		No		NA 🗌		
9. Recei	ived at le	ast 1 vial with	headspace <1	/4" for AQ VOA?	Yes		No		NA 🗹		
10. Were	e any san	nple container	s received bro	ken?	Yes		No	✓	# of preserved		
11.Does	paperwo	rk match bottl	e labels?		Yes		No		bottles checked for pH:		
		incies on chai			103		,10	-	(<2 or >12 unless noted)		
2. Are m	natrices c	orrectly identi	fied on Chain	of Custody?	Yes	\checkmark	No		Adjusted?		
			re requested?		Yes	\checkmark	No				
		ng times able istomer for au			Yes	\checkmark	No		checked by: JP 6 4 20		
Special	Handl	ing (if appl	licable)								
15.Was	client no	tified of all dis	crepancies wit	h this order?	Yes		No		NA 🗹		
	Person	Notified:		Da	te:			-			
	By Who	m: [Via	a: 🗌 eM	ail 🗌 P	hone	Fax	In Person		
	Regardi Client Ir	ng:						_			
16. Addi	itional rer										
	ler Infor										
C	ooler No	Temp °C	Condition	Seal Intact Seal No	Seal D	ate	Signed	By			

Page 1 of 1

Hall ENVIRONMENTAL ANALYSIS LABORATORY ANW.hallenvironmental.com www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request) 270SIMS (friesdat)	081 Pesticides/808 DB (Method 504.1 CRA 8 Metals I, F, Br, NO ₃ , NC 250 (VOA) 270 (Semi-VOA) 270 (Semi-VOA) 270 (Semi-VOA) 270 (Semi-VOA)	В 8 8 8 8 8 8 7 8 4 С 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8									The second secon	Time: Relinquished by Received by: Via: * Date Time U.V. L.C.V. (イル) SPA Courcier C+2
4901 Tel.	Contraction of the second second	тех / мтве / ти 91:8015D(GRO / с	5	11	-						X 0 X	Remarks:	Z A sibility. A
5 day Turr	ge	-0.225.7 (°C) HEAL No.		200 -	- 003	- 005	- 006	-008	-009	- 010		Pate Time R	イ Date Time ビイ・この 兄・この es. This serves as notice of this p
Time:	ger:	I Yes I (including CF): 5.9	Tale									via:	Via: Courcietz corredited laboratori
Turn-Around T Destandard Project Name: Project #:	Project Manager:	Sampler: Yes On Ice: Yes # of Coolers: / Cooler Temp(Induding CF): Container Preserva	I ype and #	1	/	1	/	ſ	1))	Received by	Received by:
cord Land	Validation)		witht.	SUTTO	Surfite Novite	Sector.	SULTING -	Souther	Section -	Surger C	South		antal may be subo
Chain-of-Custody Record Solution + Environment Solution + Environment g Address: 703 E. Clinso Lobbs NM 88290 e#: 575-397-0570	Level 4 (Full Validation)		AILTO-14 "	1-1-11-MP	MH 12/1 9	T	Elt .		H-18-14		H-HC-	ed by:	ed by mitted to Hall Environme
n-of-Cu 50105		D Az Co	S	5	S	N	5	nn	S	N	5	Relingentshed by:	Relinquished by
Client: Chain- Client: Chain- Mailing Address: Address:	email or Fax#: QA/QC Package: It Standard	Accreditation:	0950	rois	1035	0111	0211	RELI	1250	1335	1410	Time:	Time:
	email or Fax		Se 02		-		\frown		-		36/82	06 63	Date:



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.: 2103562

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 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	Received Date: 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: VP			
Chloride	ND	60	mg/Kg	20	3/15/2021 7:01:26 PM	58731			
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analys	t: mb			
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/12/2021 11:37:17 AM	1 58676			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/12/2021 11:37:17 AM	1 58676			
Surr: DNOP	74.7	70-130	%Rec	1	3/12/2021 11:37:17 AM	1 58676			
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: 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					Analys	t: 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	Received Date: 3/11/2021 7:30:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	: VP				
Chloride	64	60	mg/Kg	20	3/15/2021 7:38:39 PM	58731				
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analys	: 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 AN	58676				
Surr: DNOP	79.0	70-130	%Rec	1	3/12/2021 11:47:03 AN	58676				
EPA METHOD 8015D: GASOLINE RANG	E				Analys	: 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					Analys	: 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	Received Date: 3/11/2021 7:30:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	st: VP				
Chloride	ND	60	mg/Kg	20	3/15/2021 7:51:03 PM	58731				
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	st: mb				
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/12/2021 11:56:51 A	M 58676				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/12/2021 11:56:51 A	M 58676				
Surr: DNOP	93.0	70-130	%Rec	1	3/12/2021 11:56:51 A	M 58676				
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	st: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 10:14:34 P	M 58673				
Surr: BFB	102	75.3-105	%Rec	1	3/12/2021 10:14:34 P	M 58673				
EPA METHOD 8021B: VOLATILES					Analy	st: NSB				
Benzene	ND	0.025	mg/Kg	1	3/12/2021 10:14:34 P	M 58673				
Toluene	ND	0.049	mg/Kg	1	3/12/2021 10:14:34 P	M 58673				
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 10:14:34 P	M 58673				
Xylenes, Total	ND	0.099	mg/Kg	1	3/12/2021 10:14:34 P	M 58673				
Surr: 4-Bromofluorobenzene	95.2	80-120	%Rec	1	3/12/2021 10:14:34 P	M 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	Received Date: 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analy	st: VP			
Chloride	ND	60	mg/Kg	20	3/15/2021 8:28:16 PN	1 58731			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analy	st: mb			
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/12/2021 12:06:35 P	M 58676			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/12/2021 12:06:35 P	M 58676			
Surr: DNOP	83.2	70-130	%Rec	1	3/12/2021 12:06:35 P	M 58676			
EPA METHOD 8015D: GASOLINE RANG	E				Analy	st: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/12/2021 10:38:12 P	M 58673			
Surr: BFB	103	75.3-105	%Rec	1	3/12/2021 10:38:12 P	M 58673			
EPA METHOD 8021B: VOLATILES					Analy	st: NSB			
Benzene	ND	0.024	mg/Kg	1	3/12/2021 10:38:12 P	M 58673			
Toluene	ND	0.049	mg/Kg	1	3/12/2021 10:38:12 P	M 58673			
Ethylbenzene	ND	0.049	mg/Kg	1	3/12/2021 10:38:12 P	M 58673			
Xylenes, Total	ND	0.097	mg/Kg	1	3/12/2021 10:38:12 P	M 58673			
Surr: 4-Bromofluorobenzene	96.6	80-120	%Rec	1	3/12/2021 10:38:12 P	M 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

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

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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	Received Date: 3/11/2021 7:30:00 AM								
Analyses	Result	RL	Qual	Units	DF	Date Ana	lyzed	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							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

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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 OF	RGANICS				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

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

•	v & Environmental Solutions n Tom Cat 16 State 13			
Sample ID: MB-58731	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 58731	RunNo: 75950		
Prep Date: 3/15/2021	Analysis Date: 3/15/2021	SeqNo: 2687729	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-58731	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 58731	RunNo: 75950		
Prep Date: 3/15/2021	Analysis Date: 3/15/2021	SeqNo: 2687730	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 95.0 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

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2103562

16-Mar-21

Client: Safety &	z Environmen	tal So	olutions							
Project: Devon	Fom Cat 16 St	ate 1	3							
Sample ID: MB-58676	SampTyp	e: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: PBS	Batch II	D: 58	676	R	RunNo: 7	5912				
Prep Date: 3/11/2021	Analysis Dat	e: 3 /	12/2021	S	SeqNo: 2	685950	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 (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.6	70	130			
Sample ID: LCS-58676	SampTyp	e: LC	s	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: LCSS	Batch II	D: 58	676	F	RunNo: 7	5912				
Prep Date: 3/11/2021	Analysis Dat	e: 3/	12/2021	S	SeqNo: 2	685951	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
- 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

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2103562

16-Mar-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

•	Environm Com Cat 16									
Sample ID: mb-58673	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	h ID: 58	673	3 RunNo: 75901						
Prep Date: 3/11/2021	Analysis D)ate: 3 /	12/2021	S	eqNo: 2	686708	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	75.3	105			
Sample ID: Ics-58673	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	h ID: 58	673	R	RunNo: 7	5901				
Prep Date: 3/11/2021	Analysis D)ate: 3 /	12/2021	S	eqNo: 2	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

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WO#: 2103562 16-Mar-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Safety & Environ	nmental So	olutions							
Project:	Devon Tom Cat	16 State 1	3							
Sample ID: mb-586	73 San	npType: M I	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Ba	atch ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/2	021 Analysi	s Date: 3/	/12/2021	S	SeqNo: 2	686749	Units: mg/K	g		
Analyte	Resul	t PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	NE	0.025								
Toluene	NE	0.050								
Ethylbenzene	NE	0.050								
Xylenes, Total	NE	0.10								
Surr: 4-Bromofluorobe	nzene 0.96	6	1.000		96.5	80	120			
Sample ID: LCS-58	673 San	npType: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Ba	atch ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/2	021 Analysi	is Date: 3/	/12/2021	S	SeqNo: 2	686750	Units: mg/K	íg		
Analyte	Resul	t PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	3 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	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

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2103562

16-Mar-21

ANAL	RONMENTAL YSIS Ratory	Hall Environmen TEL: 505-345-39 Website: clients	490 Albuquerq 975 FAX:	1 Hawkins ue, NM 87 505-345-4	NE 109 Sam 107	Sample Log-In Check List			
Client Name:	Safety & Environmental Solutions	Work Order Numb	ber: 210	3562		RcptNo: 1			
Received By:	Cheyenne Cason	3/11/2021 7:30:00 /	M						
Completed By:	Sean Livingston	3/11/2021 8:44:19 /	M		Sal	n-h			
Reviewed By:	an	3/11/21				Join			
Chain of Cus	stody								
1. Is Chain of C	ustody complete?		Yes	V	No 🗌	Not Present			
2. How was the	sample delivered?		Cou	rier					
Log In	nnt mada ta azzi iku samu				No 🗌				
5. was an atter	npt made to cool the sampl	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 lo	east 1 vial with headspace	<1/4" for AQ VOA?	Yes		No 🗌	NA 🗹			
10. Were any sa	mple containers received bi	roken?	Yes		No 🗹	# of preserved bottles checked	/		
	ork match bottle labels? ancies on chain of custody)		Yes		No 🗌	for pH: (<2 or >12 unless	s note		
12. Are matrices	correctly identified on Chair	of Custody?	Yes	\checkmark	No 🗌	Adjusted?	_		
13. Is it clear what	at analyses were requested	?	Yes	\checkmark	No 🗌	/			
	ing times able to be met? customer for authorization.)		Yes	\checkmark	No 🗌	Checked by: DAD 3	11/2		
	ling (if applicable)					(
Contraction of the second s	otified of all discrepancies v	vith this order?	Yes		No 🗌	NA 🔽			
Person	Notified:	Date:	-						
By Wh	om:	Via:	eM	ail 🗌 P	hone 🗌 Fax	In Person			
Regard	ling:								
Client	instructions:								
16. Additional re	emarks:								
17. <u>Cooler Info</u> Cooler No	the factors will be and the second	Seal Intact Seal No	Seal	ata	Signed By				
COULET INC	1.9 Good	Searmact Sear NO	Seal D	ale	Signed By				

Page 1 of 1

Received by OCD: 5/4/2021 1:1	1:58 PM		Page 96 of 110
 HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Tel. 505-345-3975 Ray Sequest 	TPH:8015D(GRO / DRO / MRO) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's PPHs by 8310 or 8270SIMS 8260 (VOA) 8260 (VOA) 8270 (Semi-VOA) 10tal Coliform (Present/Absent) Total Coliform (Present/Absent) 10tal Coliform (Present/Absent)		Time: Relinquished by: Received by Via: Date Time Remarks: Time: Relinquished by: Via: Date Time Remarks: Time: Relinquished by: Via: Date Time If Mode Received by: Via: 0:30 Natio Natio
	(1508) a'maria (18021)		ime Re 1600 730 antice of this pose
5 day sur strt 13 -001	8 + 0.1 = 1. 9 B + 0.1 = 1. 9 C 103562	00088888	Date Time S/10/21 16C Date Time S/11/21 0730
ime: 5 Dever NT/6-1	ILEW The vestive Troservative	Jue Deut	Via: Count
Turn-Around T Zandard Project Name: Project #:	Project Manager: Sampler: On Ice: # ves # of Coolers: Cooler Temp(Including cF): Cooler Temp(Including cF): Type and # Type		Received by Received by:
cord	(validation)	The for the second	
dy Re UNON NIC SILLO		PC/ Borton 22 / Borton 25 / Borton 25 / Borton 25 / Borton 2010 Noviel	Jun
of-Custo by K GNU Curtures NUM 8	□ Level □ Az Compliance □ Other Matrix Sample		Reinquished by
Client: Client: Client: Client: Mailing Address: Mailing Address: Phone #: 5		0000000	Time: R (SOO Time: R
Phone #: 0 Client: 0	email or Fax# QA/QC Packag QA/QC Packag Accreditation: DEDD (Type Date Time	20 00	Date: Date: BID[2]

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		Received Date: 3/11/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analy	st: VP			
Chloride	63	60	mg/Kg	20	3/15/2021 9:30:18 PM	1 58731			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analy	st: mb			
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	3/12/2021 1:07:39 PM	1 58676			
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/12/2021 1:07:39 PM	1 58676			
Surr: DNOP	79.4	70-130	%Rec	1	3/12/2021 1:07:39 PM	1 58676			
EPA METHOD 8015D: GASOLINE RANG	GE				Analy	st: NSB			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/13/2021 12:59:44 A	M 58673			
Surr: BFB	104	75.3-105	%Rec	1	3/13/2021 12:59:44 A	M 58673			
EPA METHOD 8021B: VOLATILES					Analy	st: NSB			
Benzene	ND	0.024	mg/Kg	1	3/13/2021 12:59:44 A	M 58673			
Toluene	ND	0.048	mg/Kg	1	3/13/2021 12:59:44 A	M 58673			
Ethylbenzene	ND	0.048	mg/Kg	1	3/13/2021 12:59:44 A	M 58673			
Xylenes, Total	ND	0.096	mg/Kg	1	3/13/2021 12:59:44 A	M 58673			
Surr: 4-Bromofluorobenzene	95.9	80-120	%Rec	1	3/13/2021 12:59:44 A	M 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		Received Date: 3/11/2021 7:30:00 AM							
Analyses	Result	RL	RL Qual Units		DF Date Analyzed		Batch			
EPA METHOD 300.0: ANIONS						Analys	st: VP			
Chloride	150	60		mg/Kg	20	3/15/2021 9:42:43 PM	58731			
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	st: 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 RAN	IGE					Analys	st: 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						Analys	st: 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

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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					Anal	yst: VP
Chloride	ND	60	mg/Kg	20	3/15/2021 9:55:07 P	M 58731
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Anal	yst: 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					Anal	yst: CCM
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					Anal	yst: CCM
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

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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					Analys	t: VP
Chloride	ND	60	mg/Kg	20	3/15/2021 10:07:32 PM	/ 58731
EPA METHOD 8015M/D: DIESEL RANGE O	ORGANICS				Analys	t: 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	1 58689
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
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	1 58684
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
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

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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 PN	58731
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/13/2021 12:25:07 PN	58689
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/13/2021 12:25:07 PN	58689
Surr: DNOP	93.7	70-130	%Rec	1	3/13/2021 12:25:07 PM	58689
EPA METHOD 8015D: GASOLINE RANGE					Analyst	ссм
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

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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					Analys	t: VP
Chloride	ND	60	mg/Kg	20	3/15/2021 10:57:10 PN	1 58731
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: mb
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/13/2021 12:48:52 PN	1 58689
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/13/2021 12:48:52 PN	1 58689
Surr: DNOP	91.0	70-130	%Rec	1	3/13/2021 12:48:52 PN	1 58689
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
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					Analys	t: CCM
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

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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		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	62	60	mg/Kg	20	3/15/2021 11:09:35 PM	58731			
EPA METHOD 8015M/D: DIESEL RANG	E 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 RANG	GE				Analyst	ссм			
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	: ССМ			
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

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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		Received Date: 3/11/2021 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	t: VP				
Chloride	ND	60	mg/Kg	20	3/15/2021 11:21:59 PN	1 58731				
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analys	t: 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 RAN	GE				Analys	t: 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					Analys	t: 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

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•	y & Environmental Solutions n Tom Cat 16 State 13							
Sample ID: MB-58731 SampType: MBLK TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 58731	RunNo: 75950						
Prep Date: 3/15/2021	Analysis Date: 3/15/2021	SeqNo: 2687729	Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	ND 1.5							
Sample ID: LCS-58731	SampType: LCS	TestCode: EPA Method	300.0: Anions					
Client ID: LCSS	Batch ID: 58731	RunNo: 75950						
Prep Date: 3/15/2021	Analysis Date: 3/15/2021	SeqNo: 2687730	Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	14 1.5 15.00	0 95.0 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

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2103565

16-Mar-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Environmental So om Cat 16 State 1								
Sample ID: MB-58676	SampType: M	BLK	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 58	676	F	RunNo: 75	912				
Prep Date: 3/11/2021	Analysis Date: 3	/12/2021	S	SeqNo: 26	85950	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 (MRO)	ND 50				= 0	(00			
Surr: DNOP	8.7	10.00		86.6	70	130			
Sample ID: LCS-58676	S-58676 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58	676	F	RunNo: 75	912				
Prep Date: 3/11/2021	Analysis Date: 3	/12/2021	S	GeqNo: 26	85951	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			
Sample ID: MB-58689	SampType: MBLK TestCode: EPA Method 8015M/				8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch ID: 58	689	F	RunNo: 75	928				
Prep Date: 3/12/2021	Analysis Date: 3	/13/2021	S	SeqNo: 26	86862	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 (MRO)	ND 50								
Surr: DNOP	9.1	10.00		90.9	70	130			
Sample ID: LCS-58689	SampType: L(s	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 58	689	F	RunNo: 75	928				
Prep Date: 3/12/2021	Analysis Date: 3	/13/2021	S	6eqNo: 26	86863	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range 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: M	S	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: SP-8 Bottom 1.5ft	Batch ID: 58	689	F	RunNo: 75	928				
Prep Date: 3/12/2021	Analysis Date: 3	/13/2021	S	BeqNo: 26	86864	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (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

2103565

16-Mar-21

Client: Project:	Safety & I Devon To										
Sample ID: 21	103565-003AMSD	SampT	ype: M	SD	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: SI	P-8 Bottom 1.5ft	Batch	ID: 58	689	F	RunNo: 7	5928				
Prep Date:	3/12/2021	Analysis D	ate: 3	/13/2021	S	SeqNo: 20	686865	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (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

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16-Mar-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

•	t Environmental Solutions Fom Cat 16 State 13						
Sample ID: Ics-58684	SampType: LCS	TestCode: EPA Method	TestCode: EPA Method 8015D: Gasoline Range				
Client ID: LCSS	Batch ID: 58684	RunNo: 75902					
Prep Date: 3/11/2021	Analysis Date: 3/12/2021	SeqNo: 2685645	Units: mg/Kg				
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual			
Gasoline Range Organics (GRO) Surr: BFB	27 5.0 25.00 990 1000		120 105				
Sample ID: mb-58684	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: PBS	Batch ID: 58684	RunNo: 75902					
Prep Date: 3/11/2021	Analysis Date: 3/12/2021	SeqNo: 2685646	Units: mg/Kg				
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual			
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 880 1000	87.8 75.3	105				
Sample ID: 2103565-003ams	s SampType: MS	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: SP-8 Bottom 1.5	ft Batch ID: 58684	RunNo: 75902					
Prep Date: 3/11/2021	Analysis Date: 3/12/2021	SeqNo: 2686325	Units: mg/Kg				
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual			
Gasoline Range Organics (GRO)	31 4.8 24.06		114	S			
Surr: BFB	1000 962.5	5 105 75.3	105	S			
Sample ID: 2103565-003ams	d SampType: MSD	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: SP-8 Bottom 1.5	ft Batch ID: 58684	RunNo: 75902					
Prep Date: 3/11/2021	Analysis Date: 3/12/2021	SeqNo: 2686326	Units: mg/Kg				
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual			
Gasoline Range Organics (GRO)	30 4.7 23.28		114 4.76	20 S			
Surr: BFB	910 931.1	97.7 75.3	105 0	0			
Sample ID: mb-58673							
	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: PBS	SampType: MBLK Batch ID: 58673	TestCode: EPA Method RunNo: 75901	8015D: Gasoline Range				
Client ID: PBS Prep Date: 3/11/2021			8015D: Gasoline Range Units: mg/Kg				
	Batch ID: 58673 Analysis Date: 3/12/2021	RunNo: 75901	Units: mg/Kg	PDLimit Qual			
Prep Date: 3/11/2021	Batch ID: 58673 Analysis Date: 3/12/2021	RunNo: 75901 SeqNo: 2686708 SPK Ref Val %REC LowLimit	Units: mg/Kg	PDLimit Qual			
Prep Date: 3/11/2021 Analyte Gasoline Range Organics (GRO)	Batch ID: 58673 Analysis Date: 3/12/2021 Result PQL SPK value ND 5.0	RunNo: 75901 SeqNo: 2686708 SPK Ref Val %REC LowLimit 104 75.3	Units: mg/Kg HighLimit %RPD Ri	PDLimit Qual			
Prep Date: 3/11/2021 Analyte Gasoline Range Organics (GRO) Surr: BFB	Batch ID: 58673 Analysis Date: 3/12/2021 Result PQL SPK value ND 5.0 1000 1000	RunNo: 75901 SeqNo: 2686708 SPK Ref Val %REC LowLimit 104 75.3	Units: mg/Kg HighLimit %RPD RI 105	PDLimit Qual			
Prep Date: 3/11/2021 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: Ics-58673	Batch ID: 58673 Analysis Date: 3/12/2021 Result PQL SPK value ND 5.0 1000 1000 SampType: LCS	RunNo: 75901 SeqNo: 2686708 SPK Ref Val %REC LowLimit 104 75.3 TestCode: EPA Method	Units: mg/Kg HighLimit %RPD RI 105	PDLimit Qual			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical 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

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WO#:	2103565

16-Mar-21

Client: Sa	afety & Environn	nental So	olutions							
Project: D	evon Tom Cat 16	5 State 1	3							
Sample ID: Ics-58673	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Bato	ch ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/202	1 Analysis	Date: 3/	12/2021	5	eqNo: 2	686709	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (C	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

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16-Mar-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

•	t Environm Fom Cat 16									
Sample ID: Ics-58684	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 58	684	F	RunNo: 7	5902				
Prep Date: 3/11/2021	Analysis [Date: 3/	12/2021	S	SeqNo: 20	685648	Units: mg/k	٢g		
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-Bromofluorobenzene	0.87		1.000		86.6	80	120			
Sample ID: mb-58684	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 58	684	F	RunNo: 7	5902				
Prep Date: 3/11/2021	Analysis [Date: 3/	12/2021	S	SeqNo: 20	685649	Units: mg/h	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-Bromofluorobenzene	0.85		1.000		84.5	80	120			
Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams		Туре: МS		Tes			120 8021B: Vola	tiles		
	s Samp	Type: MS :h ID: 58 (6			PA Method		tiles		
Sample ID: 2103565-004ams	s Samp	h ID: 58	684	F	tCode: Ef	PA Method 5902				
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5	s Samp ⁻ ft Batc Analysis I Result	h ID: 58	5 684 12/2021	F	tCode: EF	PA Method 5902	8021B: Vola		RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene	ft Samp [*] ft Batc Analysis I Result 0.90	h ID: 58 Date: 3 / PQL 0.024	5 684 12/2021 SPK value 0.9569	F S SPK Ref Val 0	tCode: EF RunNo: 7 SeqNo: 2 <u>%REC</u> 93.8	PA Method 5902 586346 LowLimit 76.3	8021B: Vola Units: mg/F HighLimit 120	(g	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene	ft Samp ⁻ ft Batc Analysis I Result 0.90 0.90	h ID: 58 Date: 3 / PQL 0.024 0.048	5 584 12/2021 SPK value 0.9569 0.9569	F S SPK Ref Val 0 0	tCode: EF RunNo: 7 SeqNo: 2 %REC 93.8 94.6	PA Method 5902 586346 LowLimit 76.3 78.5	8021B: Vola Units: mg/P HighLimit 120 120	(g	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene	ft Samp ⁻ ft Batc Analysis I Result 0.90 0.90 0.90	h ID: 58 0 Date: 3 / <u>PQL</u> 0.024 0.048 0.048	5 684 12/2021 SPK value 0.9569 0.9569 0.9569	F S SPK Ref Val 0 0 0	tCode: EF RunNo: 7 SeqNo: 20 %REC 93.8 94.6 94.5	PA Method 5902 586346 LowLimit 76.3 78.5 78.1	8021B: Vola Units: mg/k HighLimit 120 120 124	(g	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	ft Batc Analysis I Result 0.90 0.90 0.90 2.7	h ID: 58 Date: 3 / PQL 0.024 0.048	5 584 12/2021 SPK value 0.9569 0.9569 0.9569 2.871	F S SPK Ref Val 0 0	tCode: EF RunNo: 7 SeqNo: 20 %REC 93.8 94.6 94.5 93.6	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3	8021B: Vola Units: mg/k HighLimit 120 120 124 125	(g	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene	ft Samp ⁻ ft Batc Analysis I Result 0.90 0.90 0.90	h ID: 58 0 Date: 3 / <u>PQL</u> 0.024 0.048 0.048	5 684 12/2021 SPK value 0.9569 0.9569 0.9569	F S SPK Ref Val 0 0 0	tCode: EF RunNo: 7 SeqNo: 20 %REC 93.8 94.6 94.5	PA Method 5902 586346 LowLimit 76.3 78.5 78.1	8021B: Vola Units: mg/k HighLimit 120 120 124	(g	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	ft Samp ⁻ ft Batc Analysis I Result 0.90 0.90 0.90 2.7 0.80	h ID: 58 0 Date: 3 / <u>PQL</u> 0.024 0.048 0.048	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569	F S SPK Ref Val 0 0 0 0	tCode: EF RunNo: 7 SeqNo: 20 %REC 93.8 94.6 94.5 93.6 83.9	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80	8021B: Vola Units: mg/k HighLimit 120 120 124 125	(g %RPD	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Samp ft Batc Analysis I Result 0.90 0.90 0.90 0.90 0.90 0.90 0.90 3.80	h ID: 580 Date: 3/ PQL 0.024 0.048 0.048 0.096	5 584 12/2021 SPK value 0.9569 0.9569 0.9569 2.871 0.9569 50	F SPK Ref Val 0 0 0 0 0 Tes	tCode: EF RunNo: 7 SeqNo: 20 %REC 93.8 94.6 94.5 93.6 83.9	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method	8021B: Vola Units: mg/k HighLimit 120 120 124 125 120	(g %RPD	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams	Samp ft Batc Analysis I Result 0.90 0.90 0.90 0.90 0.90 0.90 0.90 3.80	h ID: 580 Date: 3/ PQL 0.024 0.048 0.048 0.048 0.096 Type: MS	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569 50 584	F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 7 GeqNo: 20 %REC 93.8 94.6 94.5 93.6 83.9 tCode: EF	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method 5902	8021B: Vola Units: mg/k HighLimit 120 120 124 125 120	(g %RPD tiles	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5	ft Samp ⁻ ft Batc Analysis I Result 0.90 0.90 0.90 2.7 0.80 sd Samp ⁻ ft Batc Analysis I Result	h ID: 580 Date: 3/ PQL 0.024 0.048 0.048 0.048 0.096 Type: MS	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569 2.871 0.9569 50 584 12/2021	F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 7 SeqNo: 20 93.8 94.6 94.5 93.6 83.9 tCode: EF RunNo: 7	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method 5902 586347 LowLimit	8021B: Vola Units: mg/k HighLimit 120 120 124 125 120 8021B: Vola	(g %RPD tiles	RPDLimit	Qual
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021	ft Samp ft Batc Analysis I Result 0.90 0.90 0.90 2.7 0.80 cd Samp ft Batc Analysis I	h ID: 580 Date: 3/ PQL 0.024 0.048 0.048 0.096 Type: MS th ID: 580 Date: 3/	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569 2.871 0.9569 50 584 12/2021	F SPK Ref Val 0 0 0 0 Tes F S	tCode: EF RunNo: 7 SeqNo: 20 93.8 94.6 94.5 93.6 83.9 tCode: EF RunNo: 7 SeqNo: 20	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method 5902 586347	8021B: Vola Units: mg/k HighLimit 120 120 124 125 120 8021B: Vola Units: mg/k	Kg %RPD tiles		
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte	ft Samp ⁻ ft Batc Analysis I Result 0.90 0.90 0.90 2.7 0.80 sd Samp ⁻ ft Batc Analysis I Result	ch ID: 58(Date: 3/ PQL 0.024 0.048 0.048 0.096 Type: MS ch ID: 58(Date: 3/ PQL	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569 2.871 0.9569 50 584 12/2021 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: EF RunNo: 7 %REC 93.8 94.6 94.5 93.6 83.9 tCode: EF RunNo: 7 SeqNo: 20 %REC	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method 5902 586347 LowLimit	8021B: Vola Units: mg/k HighLimit 120 124 125 120 8021B: Vola Units: mg/k HighLimit	Kg %RPD tiles Kg %RPD	RPDLimit	
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene	Samp ft Batc Analysis I Result 0.90 0.90 0.90 0.90 2.7 0.80 id Samp ft Batc Result 0.90 0.90 2.7 0.80 2.7 id Samp ft Batc Analysis I Result 0.94 0.94	h ID: 58(Date: 3/ PQL 0.024 0.048 0.048 0.096 Type: MS th ID: 58(Date: 3/ PQL 0.025	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569 2.871 0.9569 50 584 12/2021 SPK value 0.9940	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0	tCode: EF RunNo: 7 SeqNo: 20 93.8 94.6 94.5 93.6 83.9 tCode: EF RunNo: 7 SeqNo: 20 %REC 94.1	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method 5902 586347 LowLimit 76.3	8021B: Vola Units: mg/k HighLimit 120 124 125 120 8021B: Vola Units: mg/k HighLimit 120	(g %RPD tiles (g %RPD 4.12	RPDLimit 20	
Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103565-004ams Client ID: SP-9 Bottom 1.5 Prep Date: 3/11/2021 Analyte Benzene Toluene	Samp ft Batc Analysis I Result 0.90 0.90 0.90 0.90 0.90 0.90 2.7 0.80 od Samp ft Batc Analysis I Result 0.94 0.94	h ID: 58(Date: 3/ PQL 0.024 0.048 0.048 0.048 0.096 Type: MS th ID: 58(Date: 3/ PQL 0.025 0.050	5 584 12/2021 SPK value 0.9569 0.9569 2.871 0.9569 584 12/2021 SPK value 0.9940 0.9940 0.9940	F SPK Ref Val 0 0 0 0 Tes 5 SPK Ref Val 0 0	tCode: EF RunNo: 74 SeqNo: 20 93.8 94.6 94.5 93.6 83.9 tCode: EF RunNo: 74 SeqNo: 20 %REC 94.1 94.1	PA Method 5902 586346 LowLimit 76.3 78.5 78.1 79.3 80 PA Method 5902 586347 LowLimit 76.3 78.5	8021B: Vola Units: mg/k HighLimit 120 120 124 125 120 8021B: Vola Units: mg/k HighLimit 120 120	(g %RPD tiles (g %RPD 4.12 3.31	RPDLimit 20 20	

Qualifiers:

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

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	afety & Environn									
Project: D	evon Tom Cat 16	5 State 1.	3							
Sample ID: mb-58673	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Bate	ch ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/202	1 Analysis	Date: 3 /	12/2021	5	SeqNo: 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-Bromofluorobenze	ne 0.96		1.000		96.5	80	120			
Sample ID: LCS-5867	3 Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Bato	ch ID: 58	673	F	RunNo: 7	5901				
Prep Date: 3/11/202	1 Analysis	Date: 3 /	12/2021	5	SeqNo: 2	686750	Units: mg/K	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-Bromofluorobenze	ne 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

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16-Mar-21

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ANALYSIS LABORATORY	Hall Environm TEL: 505-345	eental Analysis Labora 4901 Hawkin: Albuquerque, NM 87 -3975 FAX: 505-345-4 nts.hallenvironmental.	s NE 7109 San 1107	Pag
Client Name: Safety & Environ Solutions	nmental Work Order Nur	mber: 2103565		RcptNo: 1
Received By: Cheyenne Cas	on 3/11/2021 7:30:00	MA C		
Completed By: Sean Livingsto	on 3/11/2021 9:01:03	3 AM	51	not
Reviewed By: UCC	3/11/21			. doi-
Chain of Custody				
1. Is Chain of Custody complete?		Yes 🔽	No 🗌	Not Present
2. How was the sample delivered?	?	Courier		
Log In 3. Was an attempt made to cool the	ne samples?	Yes 🗹	No 🗌	
4. Were all samples received at a	temperature of >0° C to 6.0°C	Yes 🔽	No 🗌	
5. Sample(s) in proper container(s	;)?	Yes 🔽	No 🗌	
6. Sufficient sample volume for inc	licated test(s)?	Yes 🗹	No 🗌	
7. Are samples (except VOA and 0	ONG) properly preserved?	Yes 🔽	No 🗌	
8. Was preservative added to bottl	es?	Yes 🗌	No 🗹	NA 🗌
9. Received at least 1 vial with hea	dspace <1/4" for AQ VOA?	Yes	No 🗌	
10. Were any sample containers re	ceived broken?	Yes	No 🗹	# of preserved
11. Does paperwork match bottle la (Note discrepancies on chain of		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless note
12. Are matrices correctly identified	on Chain of Custody?	Yes 🔽	No 🗌	Adjusted?
13. Is it clear what analyses were re	quested?	Yes 🗹	No 🗌	
 Were all holding times able to be (If no, notify customer for author) 		Yes 🗹	No 🗌	Checked by: DAD 3/11/2
Special Handling (if applica	ble)			
15. Was client notified of all discrep	pancies with this order?	Yes 🗌	No 🗌	NA 🗹
Person Notified:	Dat	e:		
By Whom:	Via	: 🗌 eMail 🗌 P	hone 🗌 Fax	In Person
Regarding:				
Client Instructions:				
When the second s	ondition Seal Intact Seal No	Seal Date	Signed By	
1 1.9 God	od	a second s		

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Analysis Request	Image: Section of the section of th	Page 114 of 110
Turn-Around Time: Jaw Standard Schur Project Name: Deubov Torv Col 16 56kk 13 Project #:	Project Manager:	Via: Date Via: Joht Date Via: Date
Chain-of-Custody Record Client: Staty + ENULIPANNULA Mailing Address: 703 6. Clumber Mailing Address: 703 6. Clumber Phone #: 575-397. 0510	email or Fax#: QA/QC Package: CavQC Package:	Date: Time: Relinquished by: Pate: Time: Received by: Pate: Time: Received by: Pate: Time: Received by:

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.

<u>Closure Report Attachment Checklist</u> : Each of the following it	tems 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					
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 regular restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.				
Printed Name: Signature: Amandia 7 Davis					
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: <u>10/12/2022</u>				
Printed Name: Brittany Hall	Title: Environmental Specialist				

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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
Ву		
bhall	Requires like approval from NMSLO.	10/12/2022

CONDITIONS

Action 26849