DEVON ENERGY
Todd 22 Federal Facility

Closure Report

U/L B, Section 22, T23S, R31E
Eddy County, New Mexico

2RP-5341, NAB1909832421

January 25, 2021

Prepared for:

Devon Energy
6488 Seven Rivers Hwy
Artesia, NM 88210

By:

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

Company Contacts

Representative	Company	Telephone	E-mail
Lupe Carrasco	Devon Energy	575-748-10765	Lupe.Carrasco@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was contracted by Devon Energy to assess a spill at the Todd 22 Federal Battery that had a leak date of 10/20/2018. This site is situated in U/L B, Section 22, Township 23S and Range 31E, in Eddy County New Mexico. According to the C-141, the 19 bbls produced water spill was caused by corrosion of a water line. A vacuum truck recovered approximately 17 bbls of fluids.

Surface and Ground Water

According to the NMOCD Oil and Gas Map, there is no surface water within 3,000 feet of this location and spill area. Based on the trend map and the USGS web interface, depth to groundwater in this area is over 100 feet; however, since there are no well within a ½ mile of the spill area, SESI will ensure the most stringent closure criteria are met.

Characterization

In May of 2019, SESI performed delineation on the leak area by advancing 4 auger holes at the surface and 1 foot. The samples were properly packaged and preserved and taken to Hall Environmental Labs for analyzation. The results of the testing are captured in the summary below:

Devon Energy Todd 22 Federal Battery Soil Sample Results: Cardinal Laboratories 5/20/19									
SAMPLE ID	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	Chlorides	TPH GRO	TPH DRO	EXT DRO
AH1 @ Surface	**0.283**	**7.08**	**8.4**	**34.4**	**50.2**	**1200**	**1930**	**17800**	**3840**
AH1 @ 1’	<0.050	<0.050	<0.050	<0.150	<0.300	**112**	<10.0	**106**	<10.0
AH2 @ Surface	<0.200	**3.05**	**5.98**	**24.1**	**33.2**	**1340**	**1130**	**18800**	**3780**
AH2 @ 1’	<0.050	<0.050	<0.050	<0.150	<0.300	**96**	<10.0	**111**	**13.1**
AH3 @ Surface	**0.652**	**6.44**	**5.4**	**20.8**	**33.3**	**1330**	**1520**	**11200**	**1730**
AH3 @ 1’	<0.050	<0.050	**0.051**	**0.233**	<0.300	**224**	<10.0	**119**	<10.0
AH4 @ Surface	<0.200	**3.75**	**4.35**	**15.2**	**23.3**	**80**	**623**	**14700**	**2550**
AH4 @ 1’	<0.050	<0.050	<0.050	<0.150	<0.300	**192**	<10.0	**150**	<10.0

Based on the results of the lab analysis, it was determined that neither vertical nor horizontal extent had been achieved; therefore, SESI returned to the leak site for additional sampling. Samples were obtained in the original sampling locations at 1.5' and 2' bgs and 4 additional samples were taken to establish horizontal extent. The samples were properly packaged and preserved and sent to Hall Environmental Labs for testing. The results of the testing are capture in the summary below.

Devon Energy Todd 22 Federal Battery Soil Sample Results: Cardinal Laboratories 5/27/20									
SAMPLE ID	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	Chlorides	TPH GRO	TPH DRO	EXT DRO
AH-1 @ 1.5'	ND	ND	ND	ND	ND	ND	ND	**19**	ND
AH-2 @ 1.5'	ND	ND	ND	ND	ND	ND	ND	**21**	ND
AH-3 @ 2'	ND	ND	ND	ND	ND	ND	ND	**17**	ND
AH-4 @ 2'	ND	ND	ND	ND	ND	ND	ND	**14**	ND
HORIZONTAL SAMPLES									
AH-5 NORTH	ND	ND	ND	ND	ND	**140**	ND	ND	ND
AH-6 EAST	ND	ND	ND	ND	ND	**140**	ND	ND	ND
AH-7 SOUTH	ND	ND	ND	ND	ND	**340**	ND	ND	ND
AH-8 WEST	ND	ND	ND	ND	ND	**330**	ND	ND	ND

Work Performed

After review of the sampling results, SESI observed that both vertical and horizontal extent has been achieved, so we developed a remediation plan to excavate areas of AH-1 and AH-2 to a depth of 1.5 feet and the areas of AH-3 and AH-4 to a depth of 2 feet. NMOCD approved the plan via the portal on 09/08/2020. Therefore, in October of 2020, SESI excavated the contaminated soil using a backhoe and shovel crew. Approximately 20 yards of soil were disposed of at an OCD-approved facility. Confirmation samples were obtained, packaged, preserved, and sent to Hall Environmental labs for testing. The results are captured in the table below:

Devon Energy Todd 22 Federal Battery Soil Sample Results: Cardinal Laboratories 10/15/20									
SAMPLE ID	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	Chlorides	TPH GRO	TPH DRO	EXT DRO
SP9 @ 1.5'	ND	ND	ND	ND	ND	**74**	ND	**12**	ND
SP10 @ 1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP11 @ 2'	ND	ND	ND	ND	ND	**76**	ND	ND	ND
NORTH WALL	ND	ND	ND	ND	ND	ND	ND	ND	ND
WEST WALL	ND	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH WALL	ND	ND	ND	ND	ND	ND	ND	ND	ND
EAST WALL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Since the confirmation samples confirmed the release had been properly remediated, SESI backfilled the excavated area with clean soil. It was determined at this time that no further remediation was necessary.

Closure Request

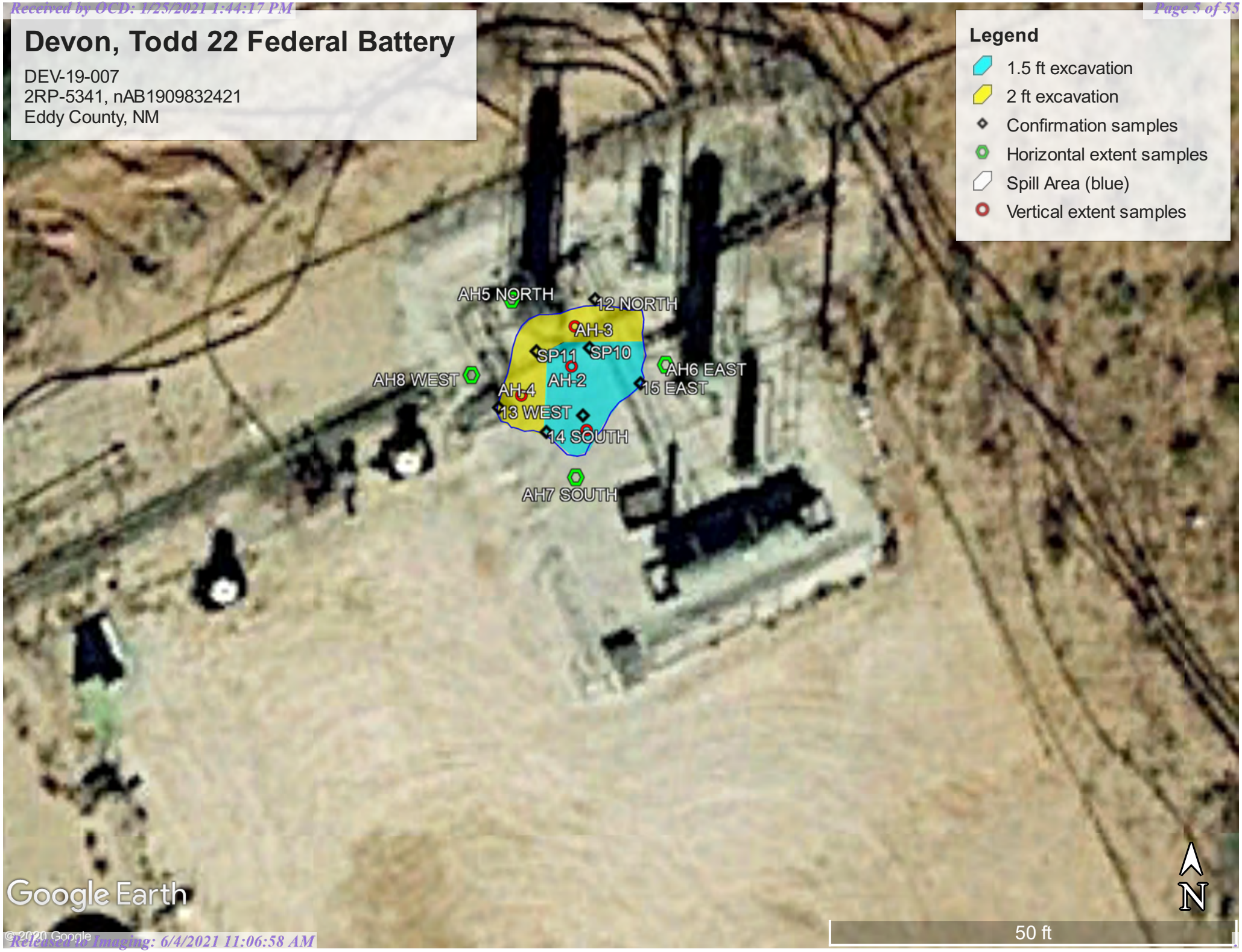
Based on the results of the laboratory analysis above, SESI believes this spill has been completely remediated. Therefore, on behalf of Devon, SESI requests closure approval for this release.

Supplemental and Supporting Documentation for Closure

Map of release area including all sample locations and excavation areas
Email, Work plan approval from NMOCD
Laboratory Results
Excavation photos
Topo map with water features
BLM Cave Karst map
FEMA map
C-141, page 6

Devon, Todd 22 Federal Battery

DEV-19-007
2RP-5341, nAB1909832421
Eddy County, NM



From: OCDOnline@state.nm.us
To: office2@sesi-nm.com
Subject: New Mexico OCD Application Submission was Approved by the OCD
Date: Friday, September 18, 2020 10:37:00 AM

The Oil Conservation Division (OCD) has approved the application PO: IO47X-200610-C-1410.
The original application was submitted by James Allen for Safety & Environmental Solutions, Inc..

The user added the additional comment:

> "We have received your Workplan/Remediation Proposal for Incident #NAB1909832421 Todd 22 Fed #2 Battery, thank you. This Workplan/Remediation proposal is approved.".

If you are concerned about receiving this email or have any other questions,
please feel free to contact our Santa Fe OCD office.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 29, 2019

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: TODD 22 B FED #2

Enclosed are the results of analyses for samples received by the laboratory on 05/21/19 10:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 1 SURFACE (H901819-01)

BTEX 8021B mg/kg Analyzed By: ms S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.283**	0.200	05/28/2019	ND	1.99	99.4	2.00	3.36	
Toluene*	**7.08**	0.200	05/28/2019	ND	2.14	107	2.00	3.40	
Ethylbenzene*	**8.40**	0.200	05/28/2019	ND	2.04	102	2.00	2.10	
Total Xylenes*	**34.4**	0.600	05/28/2019	ND	6.13	102	6.00	1.39	
Total BTEX	**50.2**	1.20	05/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *155 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1200**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1930**	100	05/23/2019	ND	186	93.0	200	3.77	
DRO >C10-C28*	**17800**	100	05/23/2019	ND	253	127	200	1.13	
EXT DRO >C28-C36	**3840**	100	05/23/2019	ND					

Surrogate: 1-Chlorooctane *270 %* *41-142*

Surrogate: 1-Chlorooctadecane *543 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
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Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 1 1' (H901819-02)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2019	ND	1.99	99.4	2.00	3.36	
Toluene*	<0.050	0.050	05/25/2019	ND	2.14	107	2.00	3.40	
Ethylbenzene*	<0.050	0.050	05/25/2019	ND	2.04	102	2.00	2.10	
Total Xylenes*	<0.150	0.150	05/25/2019	ND	6.13	102	6.00	1.39	
Total BTEX	<0.300	0.300	05/25/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**106**	10.0	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/23/2019	ND					

Surrogate: 1-Chlorooctane *92.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *107 %* *37.6-147*

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Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 2 SURFACE (H901819-03)

BTEX 8021B mg/kg Analyzed By: ms S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/28/2019	ND	1.99	99.4	2.00	3.36	
Toluene*	**3.05**	0.200	05/28/2019	ND	2.14	107	2.00	3.40	
Ethylbenzene*	**5.98**	0.200	05/28/2019	ND	2.04	102	2.00	2.10	
Total Xylenes*	**24.1**	0.600	05/28/2019	ND	6.13	102	6.00	1.39	
Total BTEX	**33.2**	1.20	05/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *148 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1340**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1130**	100	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**18800**	100	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	**3780**	100	05/23/2019	ND					

Surrogate: 1-Chlorooctane *224 %* *41-142*

Surrogate: 1-Chlorooctadecane *675 %* *37.6-147*

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Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 2 1' (H901819-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2019	ND	1.99	99.4	2.00	3.36	
Toluene*	<0.050	0.050	05/25/2019	ND	2.14	107	2.00	3.40	
Ethylbenzene*	<0.050	0.050	05/25/2019	ND	2.04	102	2.00	2.10	
Total Xylenes*	<0.150	0.150	05/25/2019	ND	6.13	102	6.00	1.39	
Total BTEX	<0.300	0.300	05/25/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**111**	10.0	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	**13.1**	10.0	05/23/2019	ND					

Surrogate: 1-Chlorooctane *86.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *103 %* *37.6-147*

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Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 3 SURFACE (H901819-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.652**	0.050	05/25/2019	ND	1.99	99.4	2.00	3.36	
Toluene*	**6.44**	0.050	05/25/2019	ND	2.14	107	2.00	3.40	
Ethylbenzene*	**5.40**	0.050	05/25/2019	ND	2.04	102	2.00	2.10	
Total Xylenes*	**20.8**	0.150	05/25/2019	ND	6.13	102	6.00	1.39	
Total BTEX	**33.3**	0.300	05/25/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1330**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1520**	100	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**11200**	100	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	**1730**	100	05/23/2019	ND					

Surrogate: 1-Chlorooctane *220 %* *41-142*

Surrogate: 1-Chlorooctadecane *447 %* *37.6-147*

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Analytical Results For:

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Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 3 1' (H901819-06)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2019	ND	1.99	99.4	2.00	3.36	
Toluene*	<0.050	0.050	05/25/2019	ND	2.14	107	2.00	3.40	
Ethylbenzene*	**0.051**	0.050	05/25/2019	ND	2.04	102	2.00	2.10	
Total Xylenes*	**0.233**	0.150	05/25/2019	ND	6.13	102	6.00	1.39	
Total BTEX	<0.300	0.300	05/25/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**119**	10.0	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/23/2019	ND					

Surrogate: 1-Chlorooctane *76.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *83.4 %* *37.6-147*

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Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 4 SURFACE (H901819-07)

BTEX 8021B mg/kg Analyzed By: ms S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/29/2019	ND	1.90	94.8	2.00	2.24	
Toluene*	**3.75**	0.200	05/29/2019	ND	2.06	103	2.00	1.93	
Ethylbenzene*	**4.35**	0.200	05/29/2019	ND	1.98	98.9	2.00	0.752	
Total Xylenes*	**15.2**	0.600	05/29/2019	ND	6.06	101	6.00	0.0359	
Total BTEX	**23.3**	1.20	05/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *155 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**623**	100	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**14700**	100	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	**2550**	100	05/23/2019	ND					

Surrogate: 1-Chlorooctane *192 %* *41-142*

Surrogate: 1-Chlorooctadecane *539 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	05/21/2019	Sampling Date:	05/20/2019
Reported:	05/29/2019	Sampling Type:	Soil
Project Name:	TODD 22 B FED #2	Sampling Condition:	Cool & Intact
Project Number:	DEV - 19 - 007 / 2 RP - 5341	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: AH - 4 1' (H901819-08)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/29/2019	ND	1.90	94.8	2.00	2.24	
Toluene*	<0.050	0.050	05/29/2019	ND	2.06	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/29/2019	ND	1.98	98.9	2.00	0.752	
Total Xylenes*	<0.150	0.150	05/29/2019	ND	6.06	101	6.00	0.0359	
Total BTEX	<0.300	0.300	05/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.1 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	05/29/2019	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2019	ND	192	96.2	200	0.220	
DRO >C10-C28*	**150**	10.0	05/23/2019	ND	197	98.6	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/23/2019	ND					

Surrogate: 1-Chlorooctane *86.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *96.5 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celey D. Keene, Lab Director/Quality Manager

Chain-of-Custody Record

Client: Safety + Environmental Solutions

Mailing Address: 703 E. Clinton Hobbs NM 88240

Phone #: 575-397-0510

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
5 Day Rush
☐ Standard ☐ Rush

Project Name: Devon Todd 22B Fed #2

Project #: DEV-19-007 2RP-5344

Project Manager: Allen, Bob

Sampler: Son Jung

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

H901819

	Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1	05/20	1200	S	AH-1 Surface	1	Ice	
2		1220	S	AH-1 1ft	1		
3		1230	S	AH-2 Surface	1		
4		1245	S	AH-2 1ft	1		
5		1300	S	AH-3 Surface	1		
6		1310	S	AH-3 1ft	1		
7		1325	S	AH-4 Surface	1		
8		1345	S	AH-4 1ft	1		

Analysis Request

	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
1	X	X	X								X
2											
3											
4											
5											
6											
7											
8	X	X									X

Date	Time	Relinquished by	Received by	Via	Date	Time
5/21	800	Son Jung	Tamara Oldaker		5-21-19	10:10

Remarks:

5.0°C #197 TO.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 05, 2020

Bob Allen

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

RE: Devon Todd 22 Fed 2 Batt 2 RP 5341 OrderNo.: 2005C42

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 10 sample(s) on 5/29/2020 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 Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 1.5ft
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 12:35:00 PM
Lab ID: 2005C42-001 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	6/4/2020 2:15:52 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 5:50:44 PM	52774
Surr: BFB	97.0	70-130		%Rec	1	5/30/2020 5:50:44 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	19	9.5		mg/Kg	1	5/31/2020 1:39:52 PM	52777
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/31/2020 1:39:52 PM	52777
Surr: DNOP	90.5	55.1-146		%Rec	1	5/31/2020 1:39:52 PM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/30/2020 5:50:44 PM	52774
Toluene	ND	0.049		mg/Kg	1	5/30/2020 5:50:44 PM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 5:50:44 PM	52774
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 5:50:44 PM	52774
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	5/30/2020 5:50:44 PM	52774
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	5/30/2020 5:50:44 PM	52774
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/30/2020 5:50:44 PM	52774
Surr: Toluene-d8	97.9	70-130		%Rec	1	5/30/2020 5:50:44 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 1.5ft
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 12:50:00 PM
Lab ID: 2005C42-002 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	6/4/2020 2:28:16 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/30/2020 6:19:12 PM	52774
Surr: BFB	101	70-130		%Rec	1	5/30/2020 6:19:12 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	21	9.0		mg/Kg	1	5/31/2020 2:04:14 PM	52777
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/31/2020 2:04:14 PM	52777
Surr: DNOP	95.0	55.1-146		%Rec	1	5/31/2020 2:04:14 PM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/30/2020 6:19:12 PM	52774
Toluene	ND	0.048		mg/Kg	1	5/30/2020 6:19:12 PM	52774
Ethylbenzene	ND	0.048		mg/Kg	1	5/30/2020 6:19:12 PM	52774
Xylenes, Total	ND	0.097		mg/Kg	1	5/30/2020 6:19:12 PM	52774
Surr: 1,2-Dichloroethane-d4	96.0	70-130		%Rec	1	5/30/2020 6:19:12 PM	52774
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	5/30/2020 6:19:12 PM	52774
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	5/30/2020 6:19:12 PM	52774
Surr: Toluene-d8	99.8	70-130		%Rec	1	5/30/2020 6:19:12 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 1.5ft
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 1:05:00 PM
Lab ID: 2005C42-003 **Matrix:** SOIL **Received Date:** 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	6/4/2020 2:40:41 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 6:47:39 PM	52774
Surr: BFB	94.9	70-130		%Rec	1	5/30/2020 6:47:39 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	39	9.6		mg/Kg	1	6/1/2020 8:10:49 AM	52777
Motor Oil Range Organics (MRO)	76	48		mg/Kg	1	6/1/2020 8:10:49 AM	52777
Surr: DNOP	89.7	55.1-146		%Rec	1	6/1/2020 8:10:49 AM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/30/2020 6:47:39 PM	52774
Toluene	ND	0.049		mg/Kg	1	5/30/2020 6:47:39 PM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 6:47:39 PM	52774
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 6:47:39 PM	52774
Surr: 1,2-Dichloroethane-d4	97.3	70-130		%Rec	1	5/30/2020 6:47:39 PM	52774
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	5/30/2020 6:47:39 PM	52774
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/30/2020 6:47:39 PM	52774
Surr: Toluene-d8	98.6	70-130		%Rec	1	5/30/2020 6:47:39 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 2ft
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 1:15:00 PM
Lab ID: 2005C42-004 **Matrix:** SOIL **Received Date:** 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	6/4/2020 2:53:06 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 7:16:08 PM	52774
Surr: BFB	96.2	70-130		%Rec	1	5/30/2020 7:16:08 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	17	9.6		mg/Kg	1	5/31/2020 3:19:25 PM	52777
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2020 3:19:25 PM	52777
Surr: DNOP	95.5	55.1-146		%Rec	1	5/31/2020 3:19:25 PM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	5/30/2020 7:16:08 PM	52774
Toluene	ND	0.049		mg/Kg	1	5/30/2020 7:16:08 PM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 7:16:08 PM	52774
Xylenes, Total	ND	0.099		mg/Kg	1	5/30/2020 7:16:08 PM	52774
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	5/30/2020 7:16:08 PM	52774
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	5/30/2020 7:16:08 PM	52774
Surr: Dibromofluoromethane	104	70-130		%Rec	1	5/30/2020 7:16:08 PM	52774
Surr: Toluene-d8	97.6	70-130		%Rec	1	5/30/2020 7:16:08 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 1.5ft
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 1:25:00 PM
Lab ID: 2005C42-005 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	6/4/2020 3:30:19 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 7:44:35 PM	52774
Surr: BFB	100	70-130		%Rec	1	5/30/2020 7:44:35 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	44	9.4		mg/Kg	1	6/1/2020 8:34:36 AM	52777
Motor Oil Range Organics (MRO)	86	47		mg/Kg	1	6/1/2020 8:34:36 AM	52777
Surr: DNOP	91.0	55.1-146		%Rec	1	6/1/2020 8:34:36 AM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/30/2020 7:44:35 PM	52774
Toluene	ND	0.049		mg/Kg	1	5/30/2020 7:44:35 PM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 7:44:35 PM	52774
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 7:44:35 PM	52774
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%Rec	1	5/30/2020 7:44:35 PM	52774
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/30/2020 7:44:35 PM	52774
Surr: Dibromofluoromethane	99.9	70-130		%Rec	1	5/30/2020 7:44:35 PM	52774
Surr: Toluene-d8	99.0	70-130		%Rec	1	5/30/2020 7:44:35 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 2ft
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 1:40:00 PM
Lab ID: 2005C42-006 **Matrix:** SOIL **Received Date:** 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	6/4/2020 3:42:44 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 8:13:02 PM	52774
Surr: BFB	93.8	70-130		%Rec	1	5/30/2020 8:13:02 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	14	9.1		mg/Kg	1	5/31/2020 4:08:02 PM	52777
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/31/2020 4:08:02 PM	52777
Surr: DNOP	96.7	55.1-146		%Rec	1	5/31/2020 4:08:02 PM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	5/30/2020 8:13:02 PM	52774
Toluene	ND	0.049		mg/Kg	1	5/30/2020 8:13:02 PM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 8:13:02 PM	52774
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 8:13:02 PM	52774
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	5/30/2020 8:13:02 PM	52774
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	5/30/2020 8:13:02 PM	52774
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/30/2020 8:13:02 PM	52774
Surr: Toluene-d8	96.5	70-130		%Rec	1	5/30/2020 8:13:02 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 Surface North
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 1:55:00 PM
Lab ID: 2005C42-007 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	140	60		mg/Kg	20	6/4/2020 3:55:08 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/30/2020 8:41:27 PM	52774
Surr: BFB	98.6	70-130		%Rec	1	5/30/2020 8:41:27 PM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/1/2020 9:22:12 AM	52777
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/1/2020 9:22:12 AM	52777
Surr: DNOP	60.4	55.1-146		%Rec	1	6/1/2020 9:22:12 AM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/30/2020 8:41:27 PM	52774
Toluene	ND	0.048		mg/Kg	1	5/30/2020 8:41:27 PM	52774
Ethylbenzene	ND	0.048		mg/Kg	1	5/30/2020 8:41:27 PM	52774
Xylenes, Total	ND	0.097		mg/Kg	1	5/30/2020 8:41:27 PM	52774
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%Rec	1	5/30/2020 8:41:27 PM	52774
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	5/30/2020 8:41:27 PM	52774
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	5/30/2020 8:41:27 PM	52774
Surr: Toluene-d8	95.9	70-130		%Rec	1	5/30/2020 8:41:27 PM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-6 Surface East
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 2:10:00 PM
Lab ID: 2005C42-008 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	140	60		mg/Kg	20	6/4/2020 4:07:33 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2020 12:57:27 AM	52774
Surr: BFB	100	70-130		%Rec	1	5/31/2020 12:57:27 AM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/1/2020 9:46:04 AM	52777
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/1/2020 9:46:04 AM	52777
Surr: DNOP	67.5	55.1-146		%Rec	1	6/1/2020 9:46:04 AM	52777
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/31/2020 12:57:27 AM	52774
Toluene	ND	0.049		mg/Kg	1	5/31/2020 12:57:27 AM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2020 12:57:27 AM	52774
Xylenes, Total	ND	0.097		mg/Kg	1	5/31/2020 12:57:27 AM	52774
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	1	5/31/2020 12:57:27 AM	52774
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	5/31/2020 12:57:27 AM	52774
Surr: Dibromofluoromethane	99.8	70-130		%Rec	1	5/31/2020 12:57:27 AM	52774
Surr: Toluene-d8	104	70-130		%Rec	1	5/31/2020 12:57:27 AM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-7 Surface South
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 2:25:00 PM
Lab ID: 2005C42-009 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	340	60		mg/Kg	20	6/4/2020 4:19:58 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2020 1:25:51 AM	52774
Surr: BFB	96.3	70-130		%Rec	1	5/31/2020 1:25:51 AM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/30/2020 8:28:41 PM	52778
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/30/2020 8:28:41 PM	52778
Surr: DNOP	72.1	55.1-146		%Rec	1	5/30/2020 8:28:41 PM	52778
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	5/31/2020 1:25:51 AM	52774
Toluene	ND	0.049		mg/Kg	1	5/31/2020 1:25:51 AM	52774
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2020 1:25:51 AM	52774
Xylenes, Total	ND	0.097		mg/Kg	1	5/31/2020 1:25:51 AM	52774
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%Rec	1	5/31/2020 1:25:51 AM	52774
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	5/31/2020 1:25:51 AM	52774
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	5/31/2020 1:25:51 AM	52774
Surr: Toluene-d8	99.7	70-130		%Rec	1	5/31/2020 1:25:51 AM	52774

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

Qualifiers:

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

Analytical Report
Lab Order **2005C42**
Date Reported: **6/5/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-8 Surface West
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341
Collection Date: 5/27/2020 2:50:00 PM
Lab ID: 2005C42-010 **Matrix:** SOIL
Received Date: 5/29/2020 11:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	330	60		mg/Kg	20	6/4/2020 4:32:23 PM	52873
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/31/2020 1:54:20 AM	52774
Surr: BFB	93.9	70-130		%Rec	1	5/31/2020 1:54:20 AM	52774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/30/2020 8:52:51 PM	52778
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/30/2020 8:52:51 PM	52778
Surr: DNOP	74.4	55.1-146		%Rec	1	5/30/2020 8:52:51 PM	52778
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	5/31/2020 1:54:20 AM	52774
Toluene	ND	0.050		mg/Kg	1	5/31/2020 1:54:20 AM	52774
Ethylbenzene	ND	0.050		mg/Kg	1	5/31/2020 1:54:20 AM	52774
Xylenes, Total	ND	0.099		mg/Kg	1	5/31/2020 1:54:20 AM	52774
Surr: 1,2-Dichloroethane-d4	95.7	70-130		%Rec	1	5/31/2020 1:54:20 AM	52774
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	5/31/2020 1:54:20 AM	52774
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	5/31/2020 1:54:20 AM	52774
Surr: Toluene-d8	93.9	70-130		%Rec	1	5/31/2020 1:54:20 AM	52774

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2005C42**
05-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341

Sample ID: **MB-52873**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **52873**	RunNo: **69412**							
Prep Date: **6/4/2020**	Analysis Date: **6/4/2020**	SeqNo: **2407918**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-52873**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **52873**	RunNo: **69412**							
Prep Date: **6/4/2020**	Analysis Date: **6/4/2020**	SeqNo: **2407919**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2005C42**
05-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341

Sample ID: **LCS-52778** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **52778** RunNo: **69268**
Prep Date: **5/30/2020** Analysis Date: **5/30/2020** SeqNo: **2400951** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	70	130			
Surr: DNOP	4.5		5.000		89.8	55.1	146			

Sample ID: **MB-52778** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **52778** RunNo: **69268**
Prep Date: **5/30/2020** Analysis Date: **5/30/2020** SeqNo: **2400952** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.5	55.1	146			

Sample ID: **MB-52777** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **52777** RunNo: **69274**
Prep Date: **5/30/2020** Analysis Date: **5/31/2020** SeqNo: **2400972** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.9	55.1	146			

Sample ID: **LCS-52777** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **52777** RunNo: **69274**
Prep Date: **5/30/2020** Analysis Date: **5/31/2020** SeqNo: **2401275** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	70	130			
Surr: DNOP	4.1		5.000		81.9	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2005C42**
05-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341

Sample ID: **mb-52774** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS** Batch ID: **52774** RunNo: **69278**
Prep Date: **5/29/2020** Analysis Date: **5/30/2020** SeqNo: **2401164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.6	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.7	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		99.0	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			

Sample ID: **lcs-52774** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC** Batch ID: **52774** RunNo: **69278**
Prep Date: **5/29/2020** Analysis Date: **5/30/2020** SeqNo: **2401165** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	0.98	0.050	1.000	0	98.2	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.1	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.4	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.48		0.5000		96.8	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2005C42**
05-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Todd 22 Fed 2 Batt 2 RP 5341

Sample ID: **mb-52774** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **52774** RunNo: **69278**
Prep Date: **5/29/2020** Analysis Date: **5/30/2020** SeqNo: **2401207** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		96.5	70	130			

Sample ID: **lcs-52774** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **52774** RunNo: **69278**
Prep Date: **5/29/2020** Analysis Date: **5/30/2020** SeqNo: **2401208** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.4	70	130			
Surr: BFB	510		500.0		102	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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Safety Env Solutions** Work Order Number: **2005C42** RcptNo: 1

Received By: **Scott Anderson** **5/29/2020 11:05:00 AM**

Completed By: **Desiree Dominguez** **5/29/2020 9:02:03 AM** DD

Reviewed By: 5/29/2020

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: EM 5/29/20

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Not Present			
2	3.4	Good	Not Present			

Chain-of-Custody Record

Client: Safety + Environmental Solutions

Mailing Address: 703 E Clinton

Hobbs N.M 88240

Phone #: 575-397-0570

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day Turn

☐ Standard ☐ Rush

Project Name: DEVON TODD 22 7 ED 2 BATT 2-RP-5341

Project #: DEV-19-007

Project Manager: Allen, Bob

Sampler: Sonny

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 1.8 - 0 = 1.8 (°C)
3.4 - 0 = 3.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2005C42	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
05/27	1235	S	AH-1 1.5 ft	1	Ice	-001	X	X									X
	1250	S	AH-2 1.5 ft	1		-002											
	1305	S	AH-3 1.5 ft	1		-003											
	1315	S	AH-3 2 ft	1		-004											
	1325	S	AH-4 1.5 ft	1		-005											
	1340	S	AH-4 2 ft	1		-006											
	1355	S	AH-5 SURFACE NORTH	1		-007											
	1410	S	AH-6 SURFACE EAST	1		-008											
	1425	S	AH-7 SURFACE SOUTH	1		-009											
05/27	1450	S	AH-8 SURFACE WEST	1		-010	X	X									X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
05/28	0800	Sonny			5/28/20	0830
5/28/20	1900		SPA Courier		5.29.20	11:05

Remarks: Direct Bill Devon

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 26, 2020

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

RE: Devon Todd 22 Fed 2 Battery OrderNo.: 2010843

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 7 sample(s) on 10/17/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SP-9 1.5 ft
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 10:35:00 AM
Lab ID: 2010843-001 **Matrix:** SOIL
Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	74	60		mg/Kg	20	10/23/2020 5:59:10 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	12	8.9		mg/Kg	1	10/20/2020 4:54:16 PM	55898
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/20/2020 4:54:16 PM	55898
Surr: DNOP	115	30.4-154		%Rec	1	10/20/2020 4:54:16 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2020 5:42:58 PM	55886
Surr: BFB	98.5	75.3-105		%Rec	1	10/20/2020 5:42:58 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/20/2020 5:42:58 PM	55886
Toluene	ND	0.050		mg/Kg	1	10/20/2020 5:42:58 PM	55886
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2020 5:42:58 PM	55886
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2020 5:42:58 PM	55886
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	10/20/2020 5:42:58 PM	55886

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

Qualifiers:

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

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SP-10 1.5 ft
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 11:10:00 AM
Lab ID: 2010843-002 **Matrix:** SOIL
Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/23/2020 6:11:34 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/20/2020 5:24:05 PM	55898
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2020 5:24:05 PM	55898
Surr: DNOP	110	30.4-154		%Rec	1	10/20/2020 5:24:05 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2020 6:06:23 PM	55886
Surr: BFB	97.1	75.3-105		%Rec	1	10/20/2020 6:06:23 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/20/2020 6:06:23 PM	55886
Toluene	ND	0.049		mg/Kg	1	10/20/2020 6:06:23 PM	55886
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2020 6:06:23 PM	55886
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2020 6:06:23 PM	55886
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	10/20/2020 6:06:23 PM	55886

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

Qualifiers:

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

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SP-11 2 ft
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 12:20:00 PM
Lab ID: 2010843-003 **Matrix:** SOIL **Received Date:** 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	76	60		mg/Kg	20	10/23/2020 6:23:58 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2020 5:34:07 PM	55898
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2020 5:34:07 PM	55898
Surr: DNOP	109	30.4-154		%Rec	1	10/20/2020 5:34:07 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2020 6:29:49 PM	55886
Surr: BFB	96.0	75.3-105		%Rec	1	10/20/2020 6:29:49 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/20/2020 6:29:49 PM	55886
Toluene	ND	0.049		mg/Kg	1	10/20/2020 6:29:49 PM	55886
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2020 6:29:49 PM	55886
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2020 6:29:49 PM	55886
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	10/20/2020 6:29:49 PM	55886

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

Qualifiers:

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

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: H-12 North
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 12:40:00 PM
Lab ID: 2010843-004 **Matrix:** SOIL
Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/23/2020 6:36:23 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/20/2020 5:44:09 PM	55898
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2020 5:44:09 PM	55898
Surr: DNOP	75.6	30.4-154		%Rec	1	10/20/2020 5:44:09 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2020 6:53:13 PM	55886
Surr: BFB	97.9	75.3-105		%Rec	1	10/20/2020 6:53:13 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/20/2020 6:53:13 PM	55886
Toluene	ND	0.050		mg/Kg	1	10/20/2020 6:53:13 PM	55886
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2020 6:53:13 PM	55886
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2020 6:53:13 PM	55886
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	10/20/2020 6:53:13 PM	55886

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

Qualifiers:

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

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: H-13 West
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 1:10:00 PM
Lab ID: 2010843-005 **Matrix:** SOIL
Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/23/2020 6:48:47 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2020 6:04:07 PM	55898
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2020 6:04:07 PM	55898
Surr: DNOP	109	30.4-154		%Rec	1	10/20/2020 6:04:07 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2020 7:16:43 PM	55886
Surr: BFB	99.3	75.3-105		%Rec	1	10/20/2020 7:16:43 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/20/2020 7:16:43 PM	55886
Toluene	ND	0.050		mg/Kg	1	10/20/2020 7:16:43 PM	55886
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2020 7:16:43 PM	55886
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2020 7:16:43 PM	55886
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	10/20/2020 7:16:43 PM	55886

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

Qualifiers:

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

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: H-14 South
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 1:20:00 PM
Lab ID: 2010843-006 **Matrix:** SOIL
Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/23/2020 7:01:12 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2020 6:24:02 PM	55898
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2020 6:24:02 PM	55898
Surr: DNOP	101	30.4-154		%Rec	1	10/20/2020 6:24:02 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2020 7:40:11 PM	55886
Surr: BFB	99.9	75.3-105		%Rec	1	10/20/2020 7:40:11 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/20/2020 7:40:11 PM	55886
Toluene	ND	0.049		mg/Kg	1	10/20/2020 7:40:11 PM	55886
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2020 7:40:11 PM	55886
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2020 7:40:11 PM	55886
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	10/20/2020 7:40:11 PM	55886

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

Qualifiers:

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

Analytical Report
Lab Order **2010843**
Date Reported: **10/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: H-15 East
Project: Devon Todd 22 Fed 2 Battery
Collection Date: 10/15/2020 2:00:00 PM
Lab ID: 2010843-007 **Matrix:** SOIL **Received Date:** 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/23/2020 7:13:37 PM	55996
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/20/2020 6:43:59 PM	55898
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2020 6:43:59 PM	55898
Surr: DNOP	100	30.4-154		%Rec	1	10/20/2020 6:43:59 PM	55898
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2020 8:03:33 PM	55886
Surr: BFB	100	75.3-105		%Rec	1	10/20/2020 8:03:33 PM	55886
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/20/2020 8:03:33 PM	55886
Toluene	ND	0.049		mg/Kg	1	10/20/2020 8:03:33 PM	55886
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2020 8:03:33 PM	55886
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2020 8:03:33 PM	55886
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	10/20/2020 8:03:33 PM	55886

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2010843**
26-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Todd 22 Fed 2 Battery

Sample ID: **MB-55996** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **55996** RunNo: **72895**
Prep Date: **10/23/2020** Analysis Date: **10/23/2020** SeqNo: **2562986** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-55996** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **55996** RunNo: **72895**
Prep Date: **10/23/2020** Analysis Date: **10/23/2020** SeqNo: **2562987** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2010843**
26-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Todd 22 Fed 2 Battery

Sample ID: **2010843-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SP-9 1.5 ft** Batch ID: **55898** RunNo: **72792**
Prep Date: **10/19/2020** Analysis Date: **10/20/2020** SeqNo: **2558268** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.1	45.33	11.86	77.3	15	184			
Surr: DNOP	5.1		4.533		112	30.4	154			

Sample ID: **2010843-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SP-9 1.5 ft** Batch ID: **55898** RunNo: **72792**
Prep Date: **10/19/2020** Analysis Date: **10/20/2020** SeqNo: **2558269** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.6	47.98	11.86	80.4	15	184	7.27	23.9	
Surr: DNOP	5.6		4.798		117	30.4	154	0	0	

Sample ID: **LCS-55898** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **55898** RunNo: **72792**
Prep Date: **10/19/2020** Analysis Date: **10/20/2020** SeqNo: **2558276** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.7	70	130			
Surr: DNOP	5.3		5.000		106	30.4	154			

Sample ID: **MB-55898** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **55898** RunNo: **72792**
Prep Date: **10/19/2020** Analysis Date: **10/20/2020** SeqNo: **2558278** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.1	30.4	154			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2010843**

26-Oct-20

Client: Safety & Environmental Solutions

Project: Devon Todd 22 Fed 2 Battery

Sample ID: **mb-55886** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **PBS** Batch ID: **55886** RunNo: **72791**

Prep Date: **10/17/2020** Analysis Date: **10/20/2020** SeqNo: **2558197** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.7	75.3	105			

Sample ID: **lcs-55886** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **LCSS** Batch ID: **55886** RunNo: **72791**

Prep Date: **10/17/2020** Analysis Date: **10/20/2020** SeqNo: **2558199** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.8	72.5	106			
Surr: BFB	1100		1000		109	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2010843**

26-Oct-20

Client: Safety & Environmental Solutions

Project: Devon Todd 22 Fed 2 Battery

Sample ID: **mb-55886** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **55886** RunNo: **72791**

Prep Date: **10/17/2020** Analysis Date: **10/20/2020** SeqNo: **2558284** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	80	120			

Sample ID: **LCS-55886** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **55886** RunNo: **72791**

Prep Date: **10/17/2020** Analysis Date: **10/20/2020** SeqNo: **2558285** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.5	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Safety & Environmental Solutions** Work Order Number: **2010843** RcptNo: **1**

Received By: **Emily Mocho** **10/17/2020 7:50:00 AM**

Completed By: **Emily Mocho** **10/17/2020 9:14:12 AM**

Reviewed By: DF 10/17/2020

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: EM 10/17/20

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good				
2	4.5	Good				

Chain-of-Custody Record

Client: Safety & Environmental Solution

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

Phone #: 575-397-0510

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day
☑ Standard ☐ Rush

Project Name: Devon TODD 22 Fed 2 Battery

Project #: DEV-09-007

Project Manager: Allen, Bob

Sampler: Son Jung

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 3.3+0.1=3.4 (°C)

4.4+0.1=4.5

HEAL No. 2010843

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
10/15	1035	S	SP-9 1.5Ft	1	Ice	001	X	X									X Chlorides
	1110	S	SP-10 1.5Ft	1		002											
	1220	S	SP-11 2Ft	1		003											
	1240	S	H-12 North	1		004											
	1310	S	H-13 West	1		005											
	1320	S	H-14 South	1		006											
10/15	1400	S	H-15 East	1		007	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/16	1500	Son Jung			10/16/20	1500
10/16/20	1900		EM	courier	10/17/20	7:50

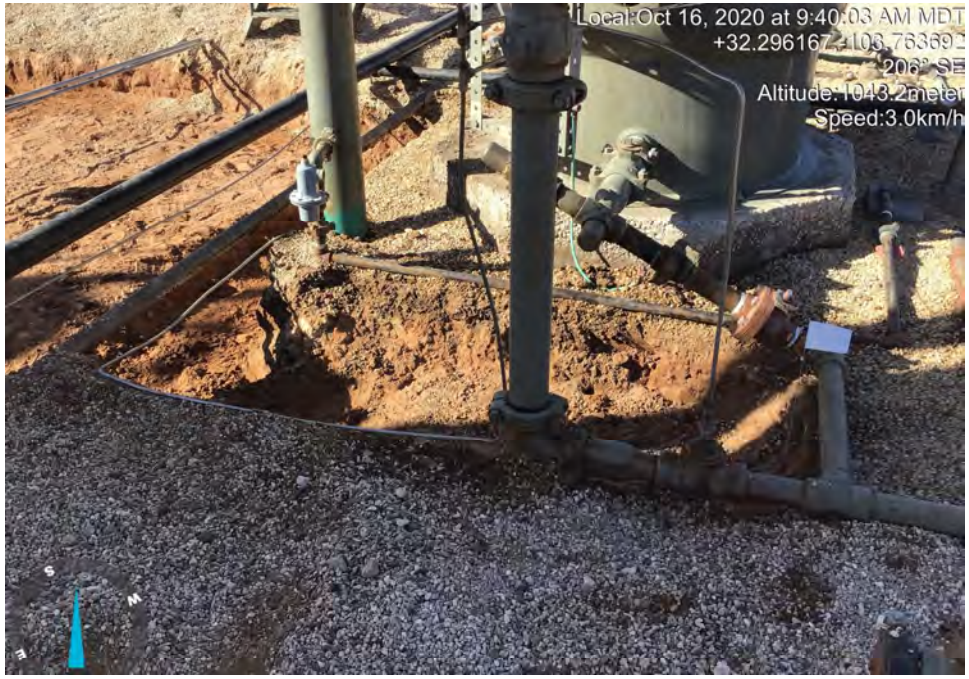
Remarks: direct bill Devon

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

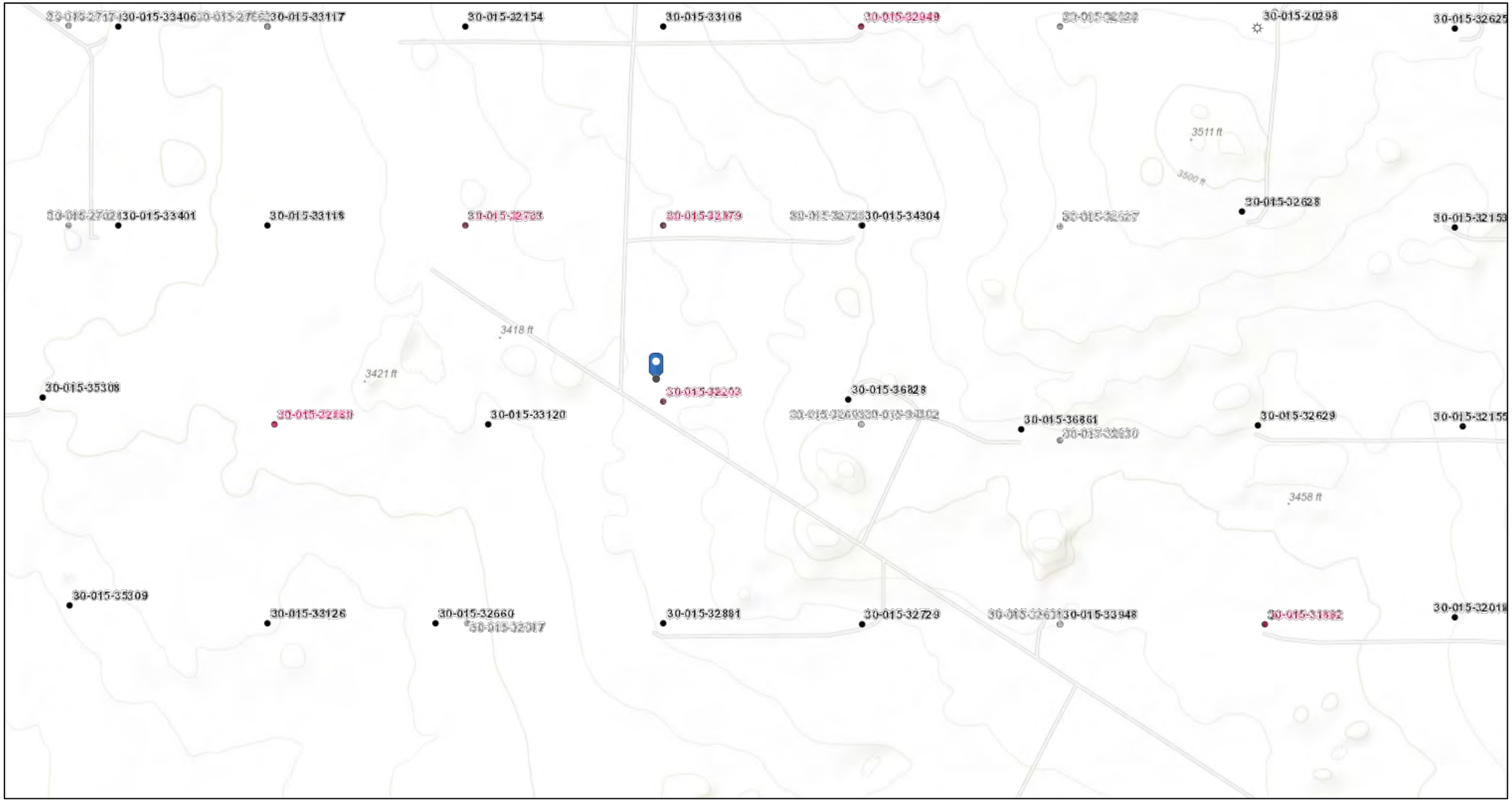

Local:Oct 16, 2020 at 9:39:47 AM MDT
+32.296167,-103.763692
217° SE
Altitude:1042.8meter
Speed:4.1km/h


Local:Oct 16, 2020 at 9:40:27 AM MDT
+32.296167,-103.763692
141° SE
Altitude:1043.5meter
Speed:0.6km/h


Local:Oct 16, 2020 at 9:39:19 AM MDT
+32.296106,-103.763833
330° NW
Altitude:1045.6meter
Speed:1.7km/h


Local:Oct 16, 2020 at 9:40:03 AM MDT
+32.296167,-103.763692
206° SE
Altitude:1043.2meter
Speed:3.0km/h

Devon, Todd 22 Fed Battery



1/25/2021, 9:56:00 AM

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

Wells - Large Scale

- undefined
- Miscellaneous
- CO2, Active
- CO2, Cancelled
- CO2, New
- CO2, Plugged
- CO2, Temporarily Abandoned
- Gas, Active
- Gas, Cancelled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active
- Injection, Cancelled
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New
- Salt Water Injection, Plugged
- Salt Water Injection, Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New

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

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

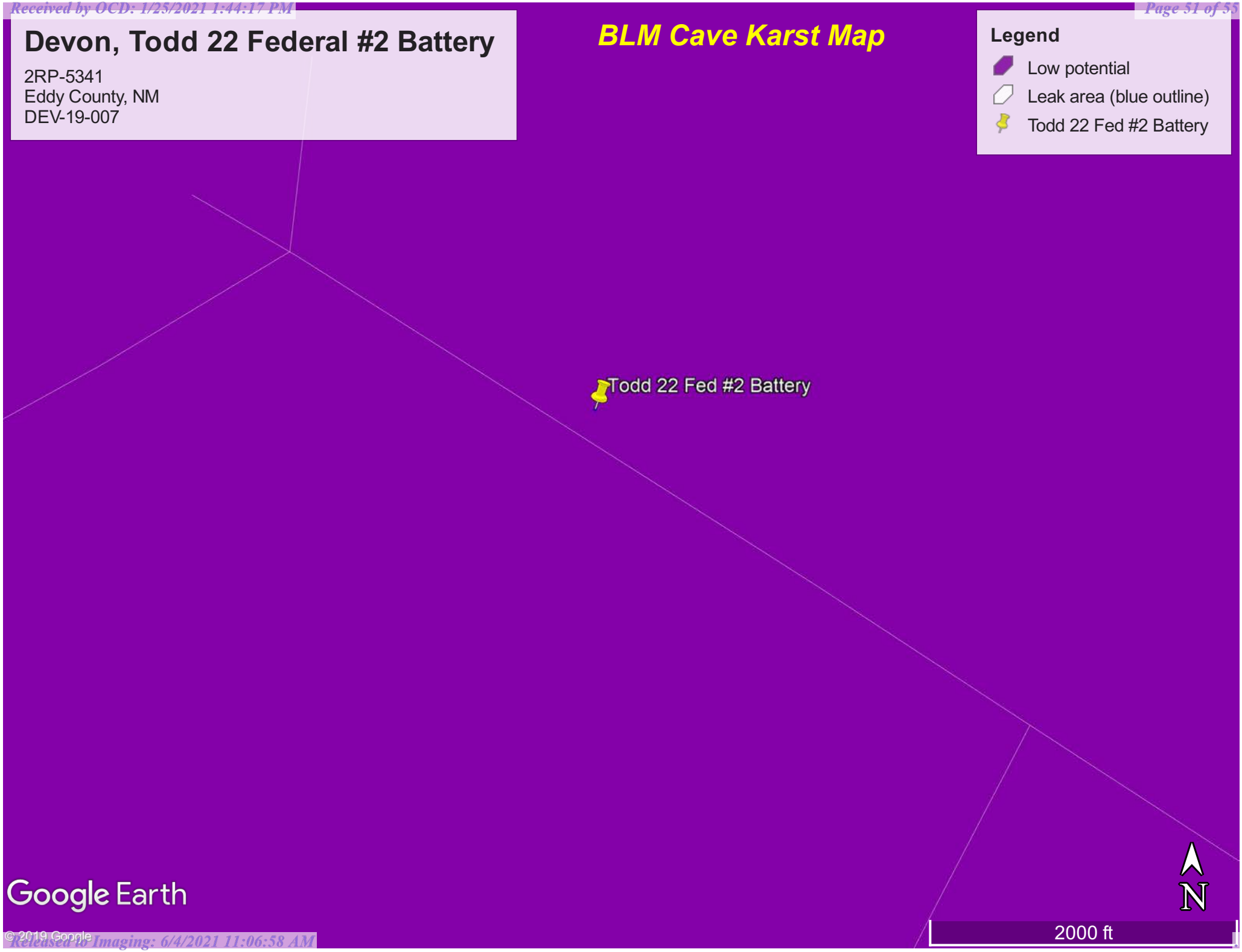
Devon, Todd 22 Federal #2 Battery

2RP-5341
Eddy County, NM
DEV-19-007

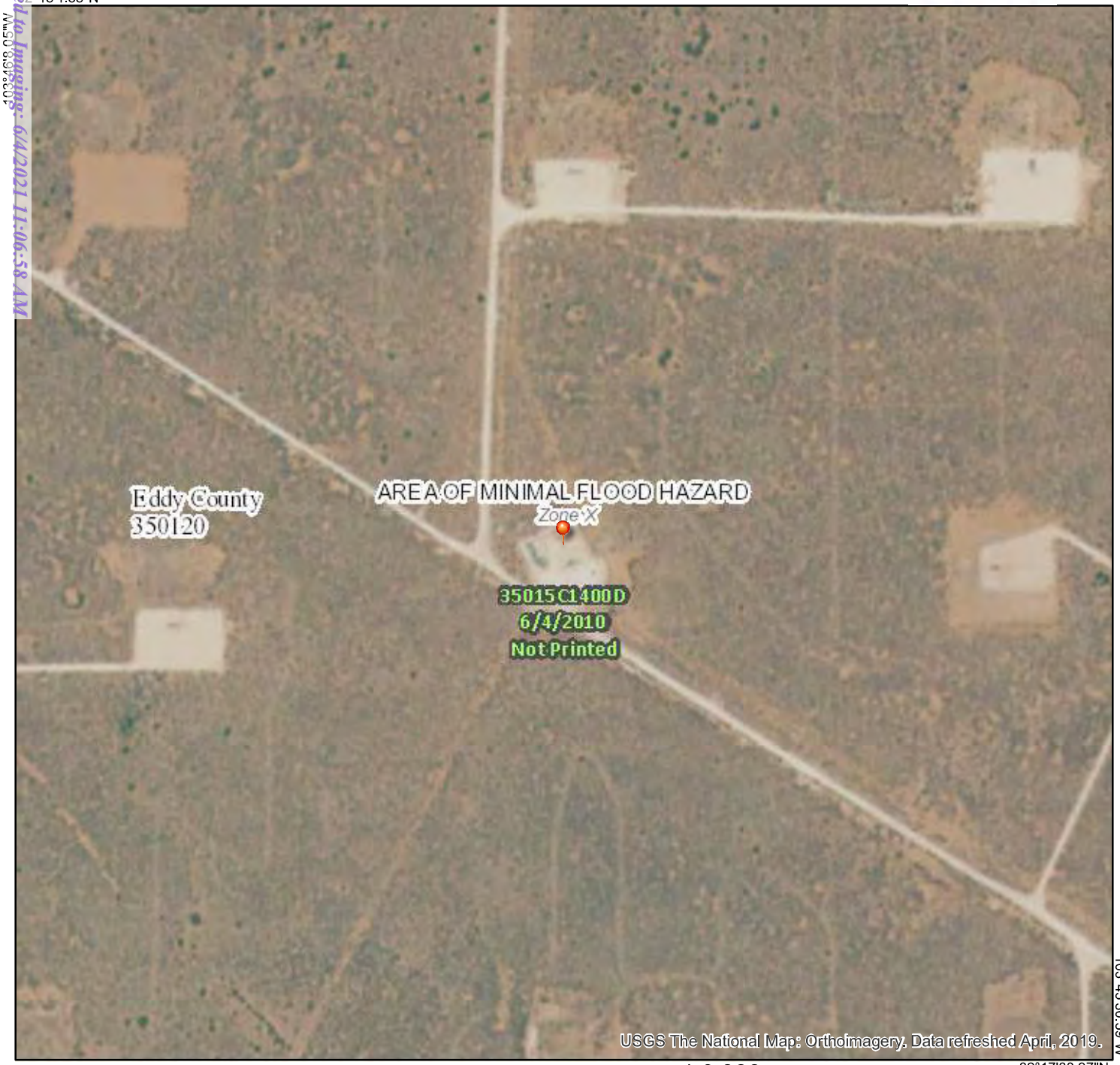
BLM Cave Karst Map

Legend

- Low potential
- Leak area (blue outline)
- Todd 22 Fed #2 Battery



National Flood Hazard Layer FIRMette



Feet

0 250 500 1,000 1,500 2,000

1:6,000

Legend

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

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

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

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

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

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/4/2020 at 10:41:55 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Lupe Carrasco Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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Printed Name: _____ Title: _____

Signature: Lupe Carrasco Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Robert Hamlet Date: 6/4/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 6/4/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

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

CONDITIONS

Action 15567

CONDITIONS

Operator: Safety & Environmental Solutions, Inc. PO Box 1613 Hobbs, NM 88240	OGRID: 329088
	Action Number: 15567
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAB1909832421 TODD 22 FACILITY, thank you. This closure is approved.	6/4/2021