

Devon Energy Production Company HB State #1 Battery

Closure Report U/L E, Section 2, T24S, R29E Eddy County, New Mexico NRM1932652661 2RP-5707

July 22, 2020



Prepared for:

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

By:

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

Company Contacts

Representative	Company	Telephone	E-mail
Tom Bynum	Devon Energy	580-748-1613	Tom.Bynum@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy to perform a site assessment at the HB State #1 Battery concerning a 147 bbls oil release inside containment. According to the C-141, corrosion of the load-out line caused the spill. Ten barrels of fluids were recovered. This site is situated in Eddy County, Section 2, Township 24S, and Range 29E.

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

Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water is not present within 3,000 feet of this release. The New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be between 75' and 100' bgs; however, since no wells less than 25 years old and less than a half mile away are known to be present, SESI will delineate this release to the most stringent criteria established by NMOCD.

Characterization

On February 6, 2020, SESI personnel performed sampling to determine vertical extent of the release. SESI advanced 2 auger holes within the leak area. The samples were properly packaged and preserved and sent to Cardinal Laboratories for analyzation. The results of the testing are captured in the summary below:

Devon Energy HB State #1 Battery Soil Sample Results: Cardinal Environmental Laboratories 2/6/20									
SAMPLE ID	Chloride	GRO	DRO	EXT DRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total BTEX
AH1 @ SURFACE	7330	<10.0	85.3	11.6	<0.050	<0.050	<0.050	<0.150	<0.300
AH1 @ 1'	9330	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH1 @ 1.5'	5730	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ SURFACE	6660	<10.0	98.5	13.2	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ 1'	10000	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ 1.5'	5840	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300

Remediation

Based on the results of the delineation, SESI, determined the best course of action is to excavate the contaminated soil to a depth of 1.5 to 2 feet as practicable. In May of 2020, approximately 250 ft³ of contaminated material was removed via shovel then confirmation and horizontal samples were taken to ensure remediation was successful and that the horizontal extent of the release area had been established. Two bottom samples locations were advanced at or very near the original sample points. Samples were taken at 1.5 feet and field results indicated the samples were close to the closure criteria; therefore, an additional 150 ft³ excavation was performed and bottom samples at 2 feet were obtained. Four horizontal extent samples were obtained at surface and 1' to ensure the release had not extended beyond our remediation area. 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 Energy HB State #1 Battery Soil Sample Results: Hall Environmental Laboratories 5/26/20									
SAMPLE ID	Chloride	GRO	DRO	EXT DRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total BTEX
AH3 @ 1.5', Confirmation	380	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH3 @ 2', Confirmation	250	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ 1.5', Confirmation	410	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ 2', Confirmation	190	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH5 @ Surface, Horz E	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH5 @ 1', Horz E	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH6 @ Surface, Horz S	67	ND	ND	ND	ND	ND	ND	ND	ND
AH6 @ 1', Horz S	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH7 @ Surface, Horz W	67	ND	ND	ND	ND	ND	ND	ND	ND
AH7 @ 1', Horz W	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH8 @ Surface, Horz N	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH8 @ 1', Horz N	ND	ND	ND	ND	ND	ND	ND	ND	ND

Once sample results verified both successful remediation and horizontal extent, the site was backfilled with clean soil. Pictures of the remediation are included in this report.

Closure Request

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

Supplemental Documentation for Closure

Map of Release with sample locations
Photos of release and remediation
NMOCD Oil and Gas Map
BLM Cave Karst Map
FEMA Floodplain Map
Laboratory Analysis 2/6/20 and 5/26/20
C-141, pages 3-6

Devon, HB State #1 Battery

DEV-20-009
NRM1932652661
2RP-5707
pRM1932653861
Eddy County, NM

Legend

-  2 ft Excavation
-  Confirmation/Horizontal sample points
-  Sample points
-  Spill Area (blue)





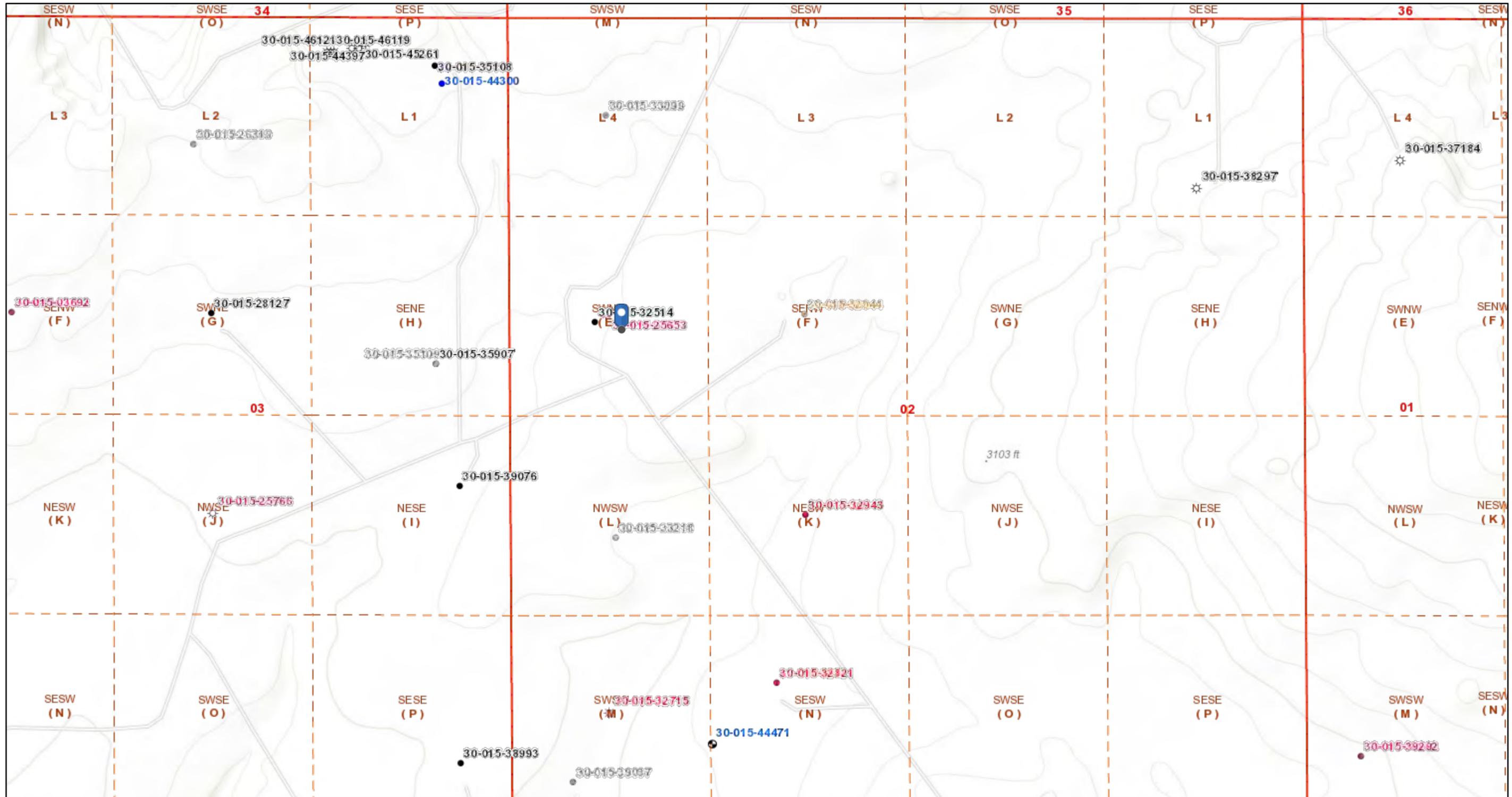






Local: May 11, 2020 at 12:59:42 PM MDT
+32.248264, -103.961431
175° S
Altitude: 934.5 meter
Speed: 3.6 km/h

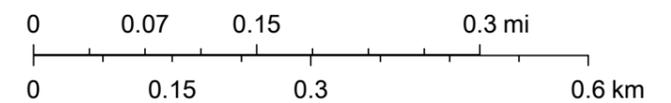
Devon, HB State #1 Battery



7/22/2020, 9:05:47 AM

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

1:9,028



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

Devon, HB State #1 Battery

NRM1932652661
2RP-5707

Legend

-  HB State #1
-  Medium potential

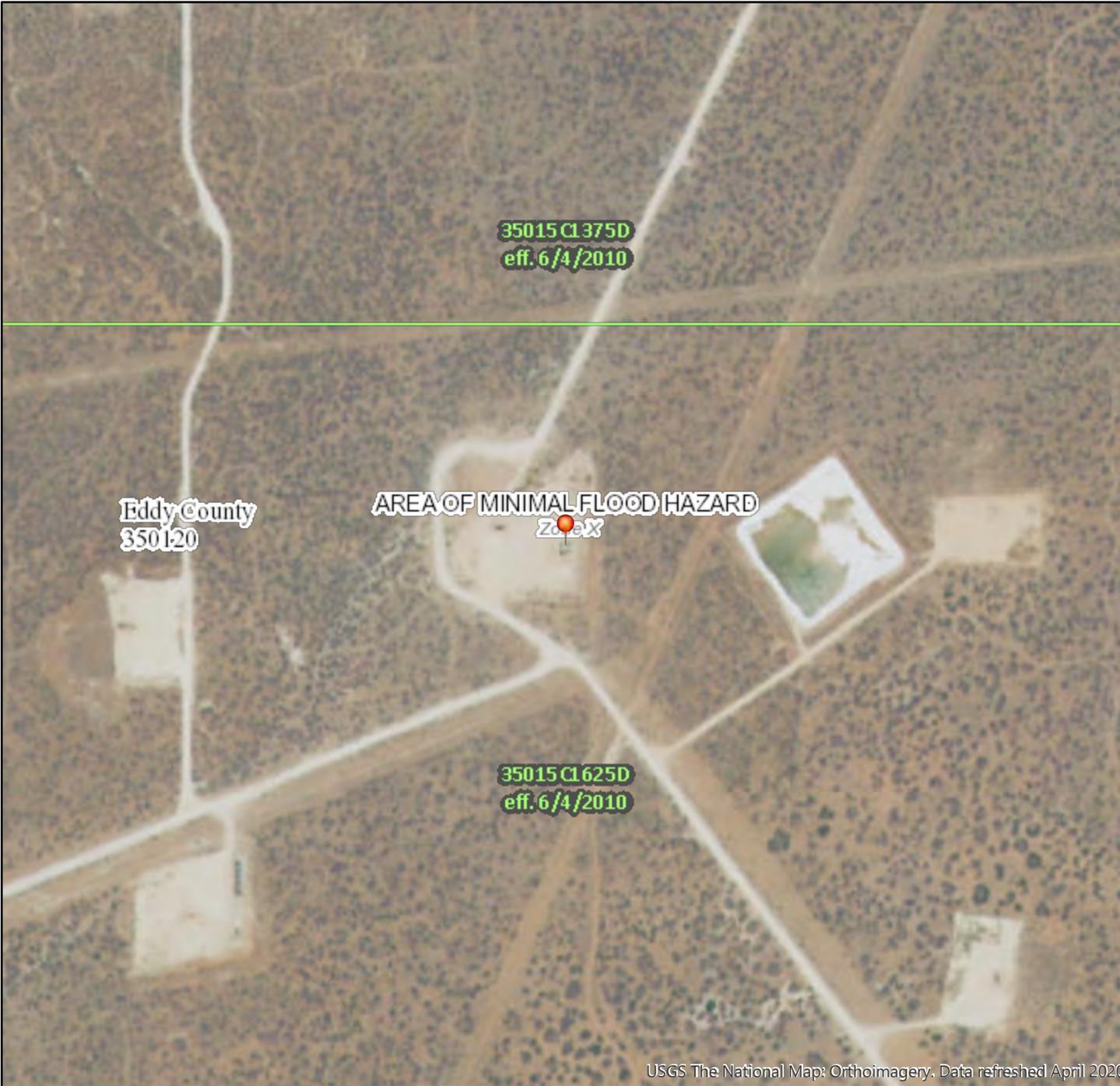
 HB State #1



National Flood Hazard Layer FIRMette



103 58W32 159N



Legend

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

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | 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 <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 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 |
- 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 7/22/2020 at 11:10 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.

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

1:6,000

103 57 22' W 32 14 39' N



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

February 11, 2020

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

RE: HB STATE #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/07/20 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/11/2020	Sampling Type:	Soil
Project Name:	HB STATE #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 009	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: AH - 1 @ SURFACE (H000369-01)

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	02/07/2020	ND	1.90	95.1	2.00	4.21		
Toluene*	<0.050	0.050	02/07/2020	ND	1.91	95.4	2.00	4.47		
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.96	97.9	2.00	4.43		
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.80	96.6	6.00	4.12		
Total BTEX	<0.300	0.300	02/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	02/10/2020	ND	416	104	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	02/08/2020	ND	206	103	200	0.819		
DRO >C10-C28*	85.3	10.0	02/08/2020	ND	198	98.9	200	3.43		
EXT DRO >C28-C36	11.6	10.0	02/08/2020	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/11/2020	Sampling Type:	Soil
Project Name:	HB STATE #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 009	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: AH - 1 @ 1' (H000369-02)

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	02/10/2020	ND	1.86	93.2	2.00	6.05		
Toluene*	<0.050	0.050	02/10/2020	ND	1.91	95.7	2.00	6.03		
Ethylbenzene*	<0.050	0.050	02/10/2020	ND	1.95	97.4	2.00	6.10		
Total Xylenes*	<0.150	0.150	02/10/2020	ND	5.75	95.9	6.00	6.19		
Total BTEX	<0.300	0.300	02/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9330	16.0	02/10/2020	ND	416	104	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	02/08/2020	ND	206	103	200	0.819		
DRO >C10-C28*	<10.0	10.0	02/08/2020	ND	198	98.9	200	3.43		
EXT DRO >C28-C36	<10.0	10.0	02/08/2020	ND						

Surrogate: 1-Chlorooctane 98.2 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/11/2020	Sampling Type:	Soil
Project Name:	HB STATE #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 009	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: AH - 1 @ 1.5' (H000369-03)

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	02/10/2020	ND	1.86	93.2	2.00	6.05		
Toluene*	<0.050	0.050	02/10/2020	ND	1.91	95.7	2.00	6.03		
Ethylbenzene*	<0.050	0.050	02/10/2020	ND	1.95	97.4	2.00	6.10		
Total Xylenes*	<0.150	0.150	02/10/2020	ND	5.75	95.9	6.00	6.19		
Total BTEX	<0.300	0.300	02/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5730	16.0	02/10/2020	ND	416	104	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	02/08/2020	ND	206	103	200	0.819		
DRO >C10-C28*	<10.0	10.0	02/08/2020	ND	198	98.9	200	3.43		
EXT DRO >C28-C36	<10.0	10.0	02/08/2020	ND						

Surrogate: 1-Chlorooctane 93.9 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/11/2020	Sampling Type:	Soil
Project Name:	HB STATE #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 009	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: AH - 2 @ SURFACE (H000369-04)

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	02/10/2020	ND	1.86	93.2	2.00	6.05		
Toluene*	<0.050	0.050	02/10/2020	ND	1.91	95.7	2.00	6.03		
Ethylbenzene*	<0.050	0.050	02/10/2020	ND	1.95	97.4	2.00	6.10		
Total Xylenes*	<0.150	0.150	02/10/2020	ND	5.75	95.9	6.00	6.19		
Total BTEX	<0.300	0.300	02/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	02/10/2020	ND	416	104	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	02/08/2020	ND	206	103	200	0.819		
DRO >C10-C28*	98.5	10.0	02/08/2020	ND	198	98.9	200	3.43		
EXT DRO >C28-C36	13.2	10.0	02/08/2020	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/11/2020	Sampling Type:	Soil
Project Name:	HB STATE #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 009	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: AH - 2 @ 1' (H000369-05)

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	02/10/2020	ND	1.86	93.2	2.00	6.05		
Toluene*	<0.050	0.050	02/10/2020	ND	1.91	95.7	2.00	6.03		
Ethylbenzene*	<0.050	0.050	02/10/2020	ND	1.95	97.4	2.00	6.10		
Total Xylenes*	<0.150	0.150	02/10/2020	ND	5.75	95.9	6.00	6.19		
Total BTEX	<0.300	0.300	02/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	02/10/2020	ND	416	104	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	02/10/2020	ND	216	108	200	2.95		
DRO >C10-C28*	<10.0	10.0	02/10/2020	ND	212	106	200	4.98		
EXT DRO >C28-C36	<10.0	10.0	02/10/2020	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/11/2020	Sampling Type:	Soil
Project Name:	HB STATE #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 009	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: AH - 2 @ 2' (H000369-06)

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	02/10/2020	ND	1.86	93.2	2.00	6.05		
Toluene*	<0.050	0.050	02/10/2020	ND	1.91	95.7	2.00	6.03		
Ethylbenzene*	<0.050	0.050	02/10/2020	ND	1.95	97.4	2.00	6.10		
Total Xylenes*	<0.150	0.150	02/10/2020	ND	5.75	95.9	6.00	6.19		
Total BTEX	<0.300	0.300	02/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	02/10/2020	ND	416	104	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	02/10/2020	ND	216	108	200	2.95		
DRO >C10-C28*	<10.0	10.0	02/10/2020	ND	212	106	200	4.98		
EXT DRO >C28-C36	<10.0	10.0	02/10/2020	ND						

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: Safety and Environmental Solutions
 Project Manager: Bob Allen
 Address: 703 East Clinton, PO Box 1613
 City: Hobbs State: NM zip: 88240
 Phone #: 575 397-0510 Fax #: 575 393-4388
 Project #: DEU-20-009 Project Owner:
 Project Name: HRB STAFF #1 BATTERY
 Project Location: Eddy Co.
 Sampler Name: S. J. J. J.
 FOR LAB USE ONLY

P.O. #: **BIETTO**
 Company: Same
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H000369	ATT-1 Surface		1							02/06	1350	TPH (80156M)
	2 ATT-1 15 FT		1							02/06	1400	BTEX
	3 ATT-1 1.5 FT		1							02/06	1415	Chloride
	4 ATT-2 Surface		1							02/06	1430	
	5 ATT-2 1 FT		1							02/06	1440	
	6 ATT-2 2 FT		1							02/06	1450	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: 02/07/20 Received By: *[Signature]* Date: 02/06/20
 Time: _____

Delivered By: (Circle One) UPS - Bus - Other: #113 1.42
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *[Signature]* (Initials) *[Signature]*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:



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

June 04, 2020

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

RE: Devon HB State 1 Bottle

OrderNo.: 2005C09

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 12 sample(s) on 5/28/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 1.5ft

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 12:30:00 PM

Lab ID: 2005C09-001

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	380	60		mg/Kg	20	6/2/2020 3:48:12 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/30/2020 12:03:52 AM	52754
Surr: BFB	96.7	70-130		%Rec	1	5/30/2020 12:03:52 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/31/2020 9:57:27 AM	52786
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/31/2020 9:57:27 AM	52786
Surr: DNOP	116	55.1-146		%Rec	1	5/31/2020 9:57:27 AM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 12:03:52 AM	52754
Toluene	ND	0.048		mg/Kg	1	5/30/2020 12:03:52 AM	52754
Ethylbenzene	ND	0.048		mg/Kg	1	5/30/2020 12:03:52 AM	52754
Xylenes, Total	ND	0.097		mg/Kg	1	5/30/2020 12:03:52 AM	52754
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	5/30/2020 12:03:52 AM	52754
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/30/2020 12:03:52 AM	52754
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/30/2020 12:03:52 AM	52754
Surr: Toluene-d8	104	70-130		%Rec	1	5/30/2020 12:03:52 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 2ft

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 12:45:00 PM

Lab ID: 2005C09-002

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	250	60		mg/Kg	20	6/2/2020 4:00:37 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/30/2020 12:32:19 AM	52754
Surr: BFB	94.7	70-130		%Rec	1	5/30/2020 12:32:19 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/31/2020 11:11:42 AM	52786
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/31/2020 11:11:42 AM	52786
Surr: DNOP	80.0	55.1-146		%Rec	1	5/31/2020 11:11:42 AM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 12:32:19 AM	52754
Toluene	ND	0.048		mg/Kg	1	5/30/2020 12:32:19 AM	52754
Ethylbenzene	ND	0.048		mg/Kg	1	5/30/2020 12:32:19 AM	52754
Xylenes, Total	ND	0.096		mg/Kg	1	5/30/2020 12:32:19 AM	52754
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	1	5/30/2020 12:32:19 AM	52754
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	5/30/2020 12:32:19 AM	52754
Surr: Dibromofluoromethane	97.5	70-130		%Rec	1	5/30/2020 12:32:19 AM	52754
Surr: Toluene-d8	97.6	70-130		%Rec	1	5/30/2020 12:32:19 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 1.5ft

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 12:50:00 PM

Lab ID: 2005C09-003

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	410	60		mg/Kg	20	6/2/2020 4:37:50 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/30/2020 1:00:53 AM	52754
Surr: BFB	98.4	70-130		%Rec	1	5/30/2020 1:00:53 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/31/2020 11:36:28 AM	52786
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/31/2020 11:36:28 AM	52786
Surr: DNOP	76.8	55.1-146		%Rec	1	5/31/2020 11:36:28 AM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 1:00:53 AM	52754
Toluene	ND	0.047		mg/Kg	1	5/30/2020 1:00:53 AM	52754
Ethylbenzene	ND	0.047		mg/Kg	1	5/30/2020 1:00:53 AM	52754
Xylenes, Total	ND	0.094		mg/Kg	1	5/30/2020 1:00:53 AM	52754
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	5/30/2020 1:00:53 AM	52754
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/30/2020 1:00:53 AM	52754
Surr: Dibromofluoromethane	101	70-130		%Rec	1	5/30/2020 1:00:53 AM	52754
Surr: Toluene-d8	98.3	70-130		%Rec	1	5/30/2020 1:00:53 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 2ft

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 1:10:00 PM

Lab ID: 2005C09-004

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	190	60		mg/Kg	20	6/2/2020 4:50:14 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/30/2020 1:29:27 AM	52754
Surr: BFB	98.1	70-130		%Rec	1	5/30/2020 1:29:27 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/31/2020 12:01:12 PM	52786
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/31/2020 12:01:12 PM	52786
Surr: DNOP	70.0	55.1-146		%Rec	1	5/31/2020 12:01:12 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 1:29:27 AM	52754
Toluene	ND	0.048		mg/Kg	1	5/30/2020 1:29:27 AM	52754
Ethylbenzene	ND	0.048		mg/Kg	1	5/30/2020 1:29:27 AM	52754
Xylenes, Total	ND	0.097		mg/Kg	1	5/30/2020 1:29:27 AM	52754
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	1	5/30/2020 1:29:27 AM	52754
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	5/30/2020 1:29:27 AM	52754
Surr: Dibromofluoromethane	103	70-130		%Rec	1	5/30/2020 1:29:27 AM	52754
Surr: Toluene-d8	94.9	70-130		%Rec	1	5/30/2020 1:29:27 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-5 Surface East Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 1:15:00 PM

Lab ID: 2005C09-005

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/2/2020 5:02:38 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 1:58:04 AM	52754
Surr: BFB	97.3	70-130		%Rec	1	5/30/2020 1:58:04 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/31/2020 12:25:55 PM	52786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2020 12:25:55 PM	52786
Surr: DNOP	82.1	55.1-146		%Rec	1	5/31/2020 12:25:55 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/30/2020 1:58:04 AM	52754
Toluene	ND	0.049		mg/Kg	1	5/30/2020 1:58:04 AM	52754
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 1:58:04 AM	52754
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 1:58:04 AM	52754
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%Rec	1	5/30/2020 1:58:04 AM	52754
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	5/30/2020 1:58:04 AM	52754
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/30/2020 1:58:04 AM	52754
Surr: Toluene-d8	103	70-130		%Rec	1	5/30/2020 1:58:04 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-5 East Wall 1ft

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 1:25:00 PM

Lab ID: 2005C09-006

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/2/2020 5:15:02 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/30/2020 2:26:39 AM	52754
Surr: BFB	98.3	70-130		%Rec	1	5/30/2020 2:26:39 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/31/2020 12:50:34 PM	52786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2020 12:50:34 PM	52786
Surr: DNOP	76.0	55.1-146		%Rec	1	5/31/2020 12:50:34 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 2:26:39 AM	52754
Toluene	ND	0.047		mg/Kg	1	5/30/2020 2:26:39 AM	52754
Ethylbenzene	ND	0.047		mg/Kg	1	5/30/2020 2:26:39 AM	52754
Xylenes, Total	ND	0.094		mg/Kg	1	5/30/2020 2:26:39 AM	52754
Surr: 1,2-Dichloroethane-d4	97.5	70-130		%Rec	1	5/30/2020 2:26:39 AM	52754
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/30/2020 2:26:39 AM	52754
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/30/2020 2:26:39 AM	52754
Surr: Toluene-d8	102	70-130		%Rec	1	5/30/2020 2:26:39 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-6 Surface South Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 1:30:00 PM

Lab ID: 2005C09-007

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	67	60		mg/Kg	20	6/2/2020 5:27:27 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 2:55:14 AM	52754
Surr: BFB	97.5	70-130		%Rec	1	5/30/2020 2:55:14 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/31/2020 1:15:30 PM	52786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2020 1:15:30 PM	52786
Surr: DNOP	68.6	55.1-146		%Rec	1	5/31/2020 1:15:30 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 2:55:14 AM	52754
Toluene	ND	0.049		mg/Kg	1	5/30/2020 2:55:14 AM	52754
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 2:55:14 AM	52754
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 2:55:14 AM	52754
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%Rec	1	5/30/2020 2:55:14 AM	52754
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	5/30/2020 2:55:14 AM	52754
Surr: Dibromofluoromethane	104	70-130		%Rec	1	5/30/2020 2:55:14 AM	52754
Surr: Toluene-d8	99.4	70-130		%Rec	1	5/30/2020 2:55:14 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-6 1ft South Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 1:50:00 PM

Lab ID: 2005C09-008

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/2/2020 5:39:52 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 3:23:45 AM	52754
Surr: BFB	100	70-130		%Rec	1	5/30/2020 3:23:45 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/31/2020 1:40:13 PM	52786
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/31/2020 1:40:13 PM	52786
Surr: DNOP	47.5	55.1-146	S	%Rec	1	5/31/2020 1:40:13 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/30/2020 3:23:45 AM	52754
Toluene	ND	0.049		mg/Kg	1	5/30/2020 3:23:45 AM	52754
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 3:23:45 AM	52754
Xylenes, Total	ND	0.099		mg/Kg	1	5/30/2020 3:23:45 AM	52754
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	1	5/30/2020 3:23:45 AM	52754
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/30/2020 3:23:45 AM	52754
Surr: Dibromofluoromethane	98.5	70-130		%Rec	1	5/30/2020 3:23:45 AM	52754
Surr: Toluene-d8	101	70-130		%Rec	1	5/30/2020 3:23:45 AM	52754

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

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

Analytical Report

Lab Order **2005C09**

Date Reported: **6/4/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 Surface West Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 2:00:00 PM

Lab ID: 2005C09-009

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	67	60		mg/Kg	20	6/2/2020 5:52:16 PM	52823
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	5/30/2020 3:52:09 AM	52754
Surr: BFB	92.9	70-130		%Rec	1	5/30/2020 3:52:09 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/31/2020 2:04:56 PM	52786
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/31/2020 2:04:56 PM	52786
Surr: DNOP	45.4	55.1-146	S	%Rec	1	5/31/2020 2:04:56 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	5/30/2020 3:52:09 AM	52754
Toluene	ND	0.046		mg/Kg	1	5/30/2020 3:52:09 AM	52754
Ethylbenzene	ND	0.046		mg/Kg	1	5/30/2020 3:52:09 AM	52754
Xylenes, Total	ND	0.092		mg/Kg	1	5/30/2020 3:52:09 AM	52754
Surr: 1,2-Dichloroethane-d4	93.3	70-130		%Rec	1	5/30/2020 3:52:09 AM	52754
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	5/30/2020 3:52:09 AM	52754
Surr: Dibromofluoromethane	104	70-130		%Rec	1	5/30/2020 3:52:09 AM	52754
Surr: Toluene-d8	95.0	70-130		%Rec	1	5/30/2020 3:52:09 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-7 1ft West Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 2:15:00 PM

Lab ID: 2005C09-010

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/3/2020 1:31:24 AM	52834
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/30/2020 6:14:50 AM	52754
Surr: BFB	100	70-130		%Rec	1	5/30/2020 6:14:50 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/31/2020 2:29:40 PM	52786
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/31/2020 2:29:40 PM	52786
Surr: DNOP	80.1	55.1-146		%Rec	1	5/31/2020 2:29:40 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/30/2020 6:14:50 AM	52754
Toluene	ND	0.050		mg/Kg	1	5/30/2020 6:14:50 AM	52754
Ethylbenzene	ND	0.050		mg/Kg	1	5/30/2020 6:14:50 AM	52754
Xylenes, Total	ND	0.10		mg/Kg	1	5/30/2020 6:14:50 AM	52754
Surr: 1,2-Dichloroethane-d4	95.7	70-130		%Rec	1	5/30/2020 6:14:50 AM	52754
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/30/2020 6:14:50 AM	52754
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/30/2020 6:14:50 AM	52754
Surr: Toluene-d8	98.0	70-130		%Rec	1	5/30/2020 6:14:50 AM	52754

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

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

Analytical Report

Lab Order **2005C09**

Date Reported: **6/4/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 Surfare North Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 2:25:00 PM

Lab ID: 2005C09-011

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/3/2020 2:33:27 AM	52834
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	5/30/2020 6:43:20 AM	52754
Surr: BFB	96.2	70-130		%Rec	1	5/30/2020 6:43:20 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/31/2020 2:54:28 PM	52786
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/31/2020 2:54:28 PM	52786
Surr: DNOP	72.2	55.1-146		%Rec	1	5/31/2020 2:54:28 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	5/30/2020 6:43:20 AM	52754
Toluene	ND	0.046		mg/Kg	1	5/30/2020 6:43:20 AM	52754
Ethylbenzene	ND	0.046		mg/Kg	1	5/30/2020 6:43:20 AM	52754
Xylenes, Total	ND	0.092		mg/Kg	1	5/30/2020 6:43:20 AM	52754
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	5/30/2020 6:43:20 AM	52754
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	5/30/2020 6:43:20 AM	52754
Surr: Dibromofluoromethane	100	70-130		%Rec	1	5/30/2020 6:43:20 AM	52754
Surr: Toluene-d8	102	70-130		%Rec	1	5/30/2020 6:43:20 AM	52754

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

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

Analytical Report

Lab Order 2005C09

Date Reported: 6/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-8 1ft North Wall

Project: Devon HB State 1 Bottle

Collection Date: 5/26/2020 2:50:00 PM

Lab ID: 2005C09-012

Matrix: SOIL

Received Date: 5/28/2020 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/3/2020 2:45:52 AM	52834
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/30/2020 7:11:46 AM	52754
Surr: BFB	103	70-130		%Rec	1	5/30/2020 7:11:46 AM	52754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/31/2020 3:19:04 PM	52786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2020 3:19:04 PM	52786
Surr: DNOP	53.6	55.1-146	S	%Rec	1	5/31/2020 3:19:04 PM	52786
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/30/2020 7:11:46 AM	52754
Toluene	ND	0.049		mg/Kg	1	5/30/2020 7:11:46 AM	52754
Ethylbenzene	ND	0.049		mg/Kg	1	5/30/2020 7:11:46 AM	52754
Xylenes, Total	ND	0.098		mg/Kg	1	5/30/2020 7:11:46 AM	52754
Surr: 1,2-Dichloroethane-d4	95.1	70-130		%Rec	1	5/30/2020 7:11:46 AM	52754
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	5/30/2020 7:11:46 AM	52754
Surr: Dibromofluoromethane	105	70-130		%Rec	1	5/30/2020 7:11:46 AM	52754
Surr: Toluene-d8	98.9	70-130		%Rec	1	5/30/2020 7:11:46 AM	52754

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2005C09

04-Jun-20

Client: Safety & Environmental Solutions

Project: Devon HB State 1 Bottle

Sample ID: MB-52823	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52823	RunNo: 69353								
Prep Date: 6/2/2020	Analysis Date: 6/2/2020	SeqNo: 2405234	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52823	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52823	RunNo: 69353								
Prep Date: 6/2/2020	Analysis Date: 6/2/2020	SeqNo: 2405235	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

Sample ID: MB-52834	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52834	RunNo: 69353								
Prep Date: 6/2/2020	Analysis Date: 6/3/2020	SeqNo: 2405299	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52834	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52834	RunNo: 69353								
Prep Date: 6/2/2020	Analysis Date: 6/3/2020	SeqNo: 2405300	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Qualifiers:

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

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

WO#: 2005C09

04-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon HB State 1 Bottle

Sample ID: 2005C09-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-3 1.5ft	Batch ID: 52786	RunNo: 69277								
Prep Date: 5/30/2020	Analysis Date: 5/31/2020	SeqNo: 2401158	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	33	9.7	48.73	0	67.0	47.4	136			
Surr: DNOP	2.7		4.873		55.8	55.1	146			

Sample ID: 2005C09-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-3 1.5ft	Batch ID: 52786	RunNo: 69277								
Prep Date: 5/30/2020	Analysis Date: 5/31/2020	SeqNo: 2401159	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.9	49.41	0	111	47.4	136	50.9	43.4	R
Surr: DNOP	4.8		4.941		97.9	55.1	146	0	0	

Sample ID: MB-52786	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52786	RunNo: 69277								
Prep Date: 5/30/2020	Analysis Date: 5/31/2020	SeqNo: 2401161	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		115	55.1	146			

Sample ID: LCS-52786	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52786	RunNo: 69274								
Prep Date: 5/30/2020	Analysis Date: 5/31/2020	SeqNo: 2401276	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	122	70	130			
Surr: DNOP	5.7		5.000		114	55.1	146			

Qualifiers:

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

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

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

WO#: 2005C09

04-Jun-20

Client: Safety & Environmental Solutions**Project:** Devon HB State 1 Bottle

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: ics-52754 SampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: BatchQC Batch ID: 52754 RunNo: 69254										
Prep Date: 5/28/2020 Analysis Date: 5/29/2020 SeqNo: 2400344 Units: mg/Kg										
Benzene	0.93	0.025	1.000	0	92.7	80	120			
Toluene	0.96	0.050	1.000	0	95.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.1	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.7	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		103	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: mb-52754 SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: PBS Batch ID: 52754 RunNo: 69254										
Prep Date: 5/28/2020 Analysis Date: 5/29/2020 SeqNo: 2400345 Units: mg/Kg										
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		94.0	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.1	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2005C09

04-Jun-20

Client: Safety & Environmental Solutions

Project: Devon HB State 1 Bottle

Sample ID: ics-52754	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 52754	RunNo: 69254								
Prep Date: 5/28/2020	Analysis Date: 5/29/2020	SeqNo: 2400437	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.1	70	130			
Surr: BFB	490		500.0		97.5	70	130			

Sample ID: mb-52754	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 52754	RunNo: 69254								
Prep Date: 5/28/2020	Analysis Date: 5/29/2020	SeqNo: 2400438	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	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

Sample Log-In Check List

Client Name: Safety Env Solutions Work Order Number: 2005C09 RcptNo: 1

Received By: Emily Mocho 5/28/2020 11:00:00 AM

Completed By: Isaiah Ortiz 5/28/2020 12:51:01 PM

Reviewed By: JR 5/28/20

IOX

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: SPA 5.28.20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date: By Whom: Via: [] eMail [] Phone [] Fax [] In Person Regarding: Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.1, Good, Not Present, [], [], []

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Tom Bynum Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Cristina Eads Date: 07/22/2020

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: Tom Bynum Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Tom Bynum Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Cristina Eads Date: 07/22/2020

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: Cristina Eads Date: 09/18/2020

Printed Name: Cristina Eads Title: Environmental Specialist