Devon Energy Production Company
Cotton Draw Unit 238H

Closure Report
U/L E, Section 12, T25S, R31E
Eddy County, New Mexico
NAB1626736693
2RP-3899

August 10, 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 Cotton Draw Unit 238H, concerning a release dated 4/26/16. This site is situated in Eddy County, Section 12, Township 25S, and Range 31E.

According to the C-141, approximately 8 bbls of treated water were released by a damaged water transfer line. No fluids were recovered. Safety & Environmental Solutions was contacted to conduct a site assessment.

SESI personnel performed an assessment of the site in April of 2020 based on generator knowledge of the leak location. It was determined at that time that the legal description of the leak was incorrectly stated on the initial C-141. The generator had used the well legal description instead of the legal description of the leak. 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 350’ 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 April 1, 2020, SESI personnel performed sampling to determine if the release would need remediation. SESI advanced 7 auger holes within the leak area. The samples were properly packaged and preserved and sent to Hall Laboratories for analyzation. The results of the testing are captured in the summary below:

Devon Energy Cotton Draw 238H Soil Sample Results: Hall Environmental Laboratories 4/1/20								
SAMPLE ID	**Chloride**	**DRO**	**MRO**	**GRO**	**Benzene**	**Toluene**	**Ethyl benzene**	**Total Xylenes**
AH1 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH1 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH2 @ SURFACE	**68**	ND	ND	ND	ND	ND	ND	ND
AH2 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH3 @ SURFACE	**290**	ND	ND	ND	ND	ND	ND	ND
AH3 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH4 @ SURFACE	**280**	ND	ND	ND	ND	ND	ND	ND
AH4 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH5 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH5 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH6 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH6 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH7 @ SURFACE	**72**	ND	ND	ND	ND	ND	ND	ND
AH7 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND

Closure Request

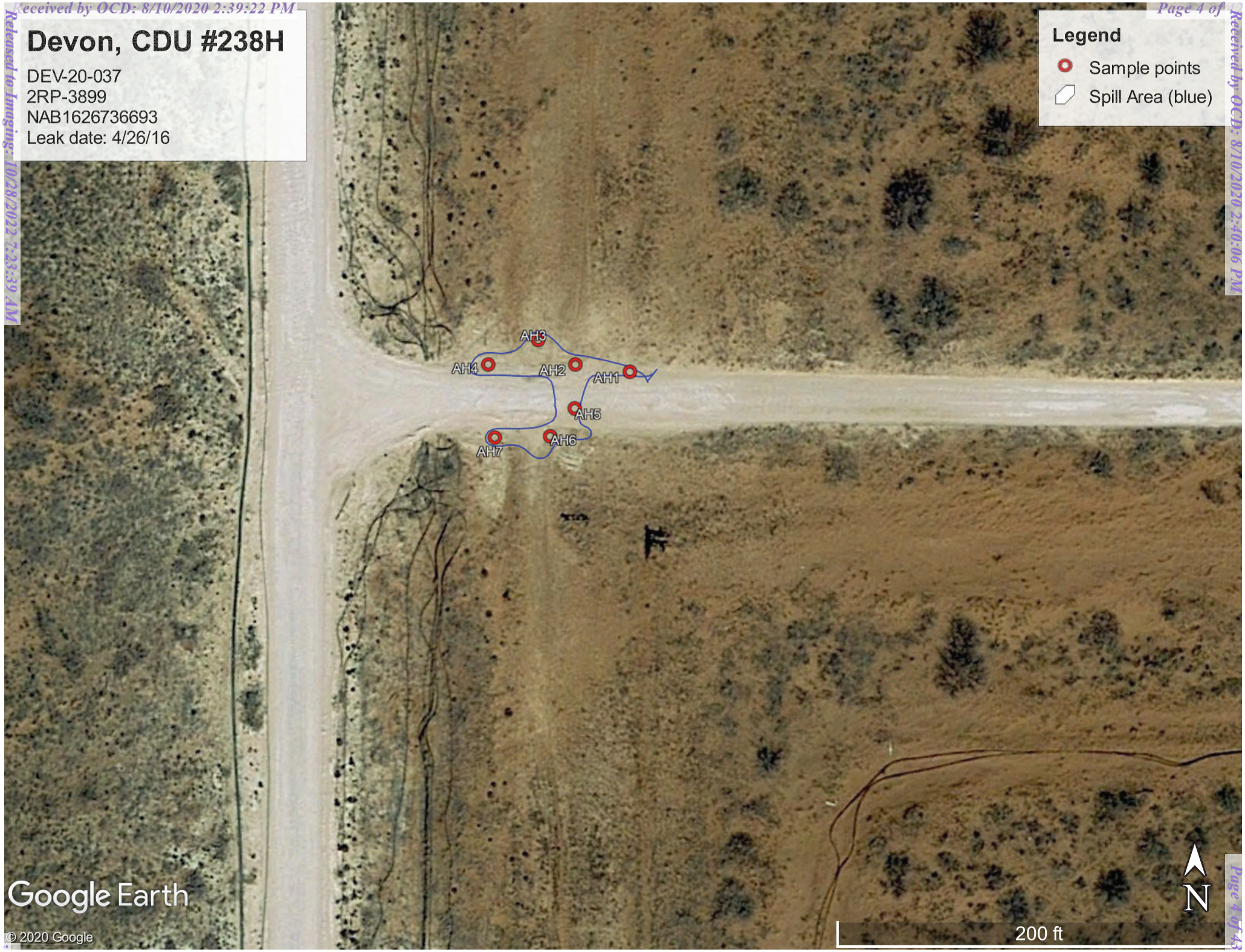
Based on the results of the delineation, SESI, along with Devon, believe this site does not require any further action. Consequently, SESI will not perform remediation, so no volume of material will be removed and no remediation pictures will be provided. Therefore SESI, on behalf of Devon Energy, respectfully requests closure approval.

Supplemental Documentation for Closure

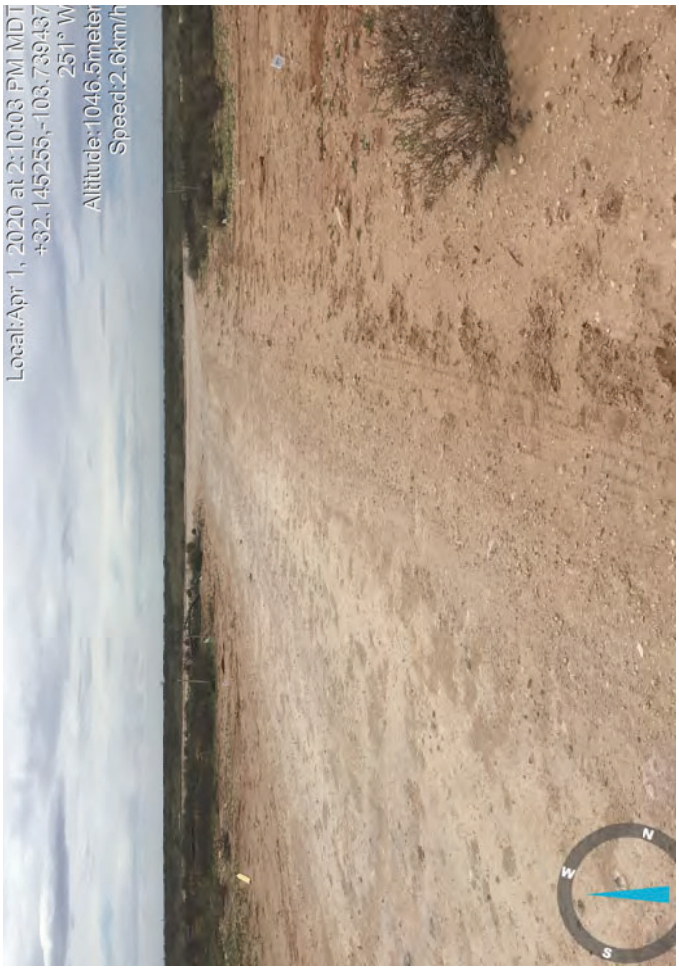
Map of Release with sample locations
Photos of Clean Area
NMOCD Oil and Gas Map
BLM Cave Karst Map
FEMA Floodplain Map
Laboratory Analysis 4/1/20
C-141, pages 3-6

Devon, CDU #238H

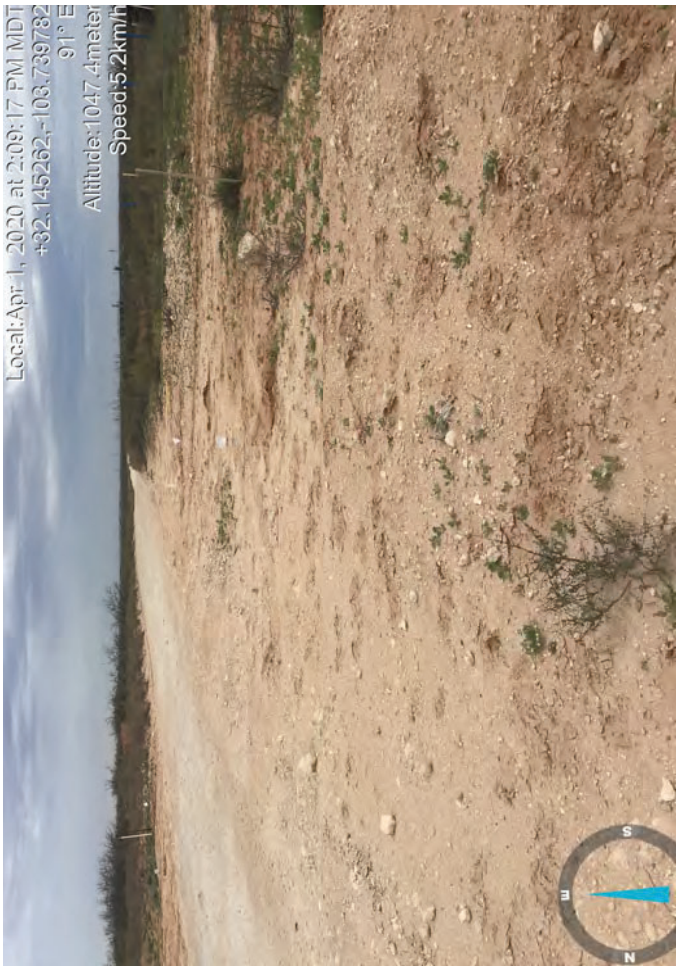
DEV-20-037
2RP-3899
NAB1626736693
Leak date: 4/26/16



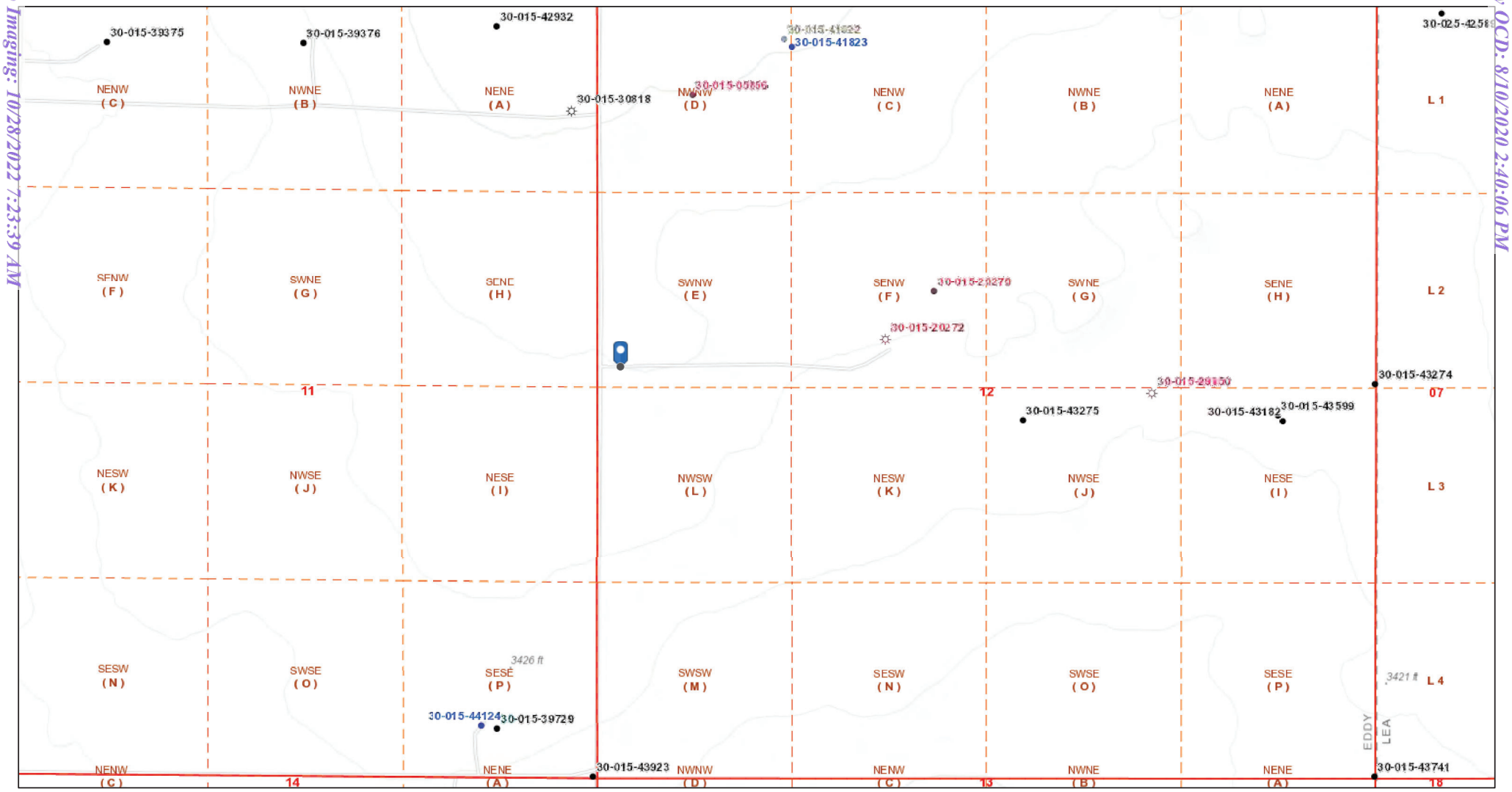

Local:Apr 1, 2020 at 2:10:19 PM MDT
+32.145255,-103.739437
255° W
Altitude:1046.3meter
Speed:3.6km/h


Local:Apr 1, 2020 at 2:10:03 PM MDT
+32.145255,-103.739437
251° W
Altitude:1046.5meter
Speed:2.6km/h


Local:Apr 1, 2020 at 2:09:56 PM MDT
+32.145255,-103.739437
259° W
Altitude:1046.6meter
Speed:5.3km/h


Local:Apr 1, 2020 at 2:09:17 PM MDT
+32.145262,-103.739782
91° E
Altitude:1047.4meter
Speed:5.2km/h

CDU 238H



8/10/2020, 1:46:02 PM

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

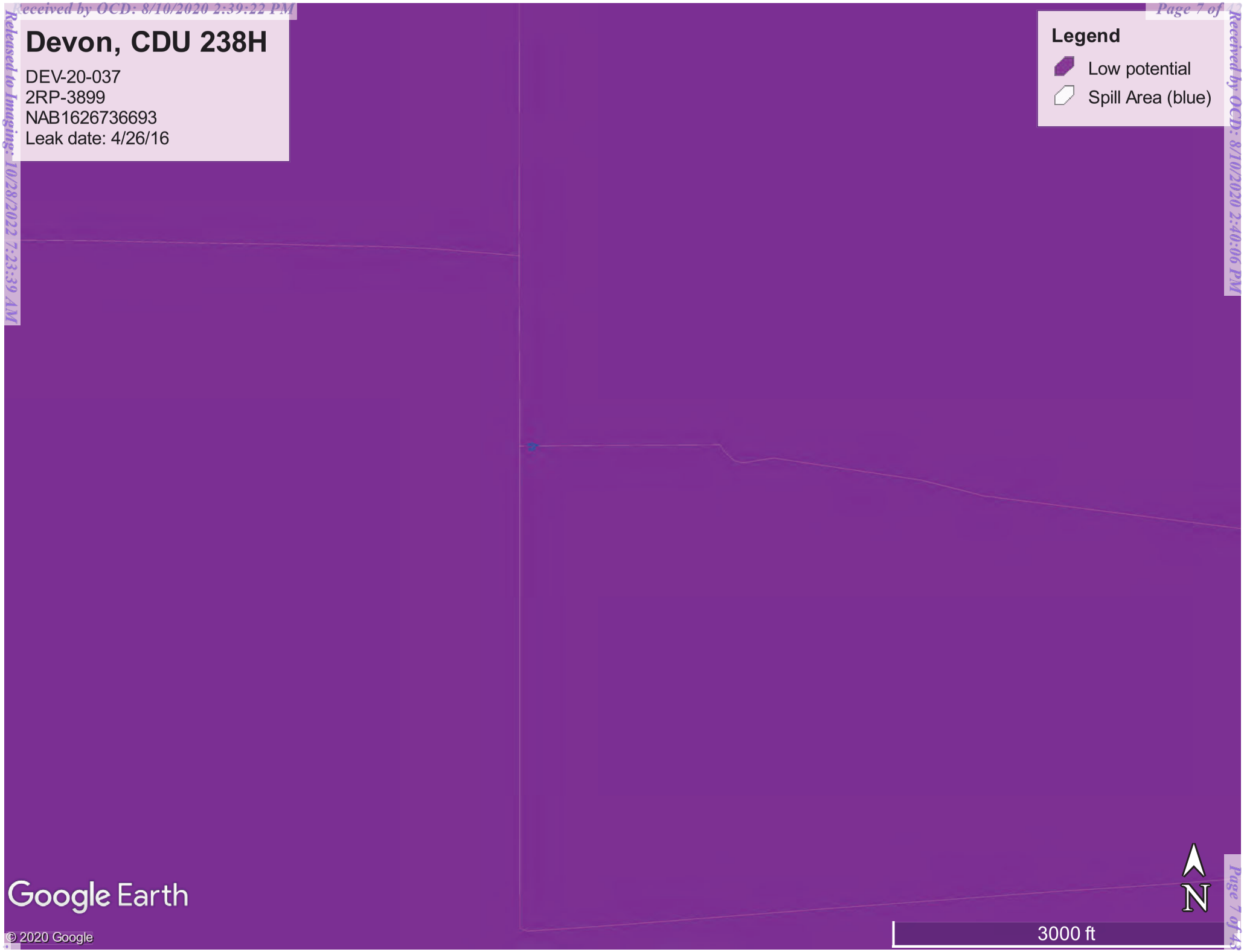
Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

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, CDU 238H

DEV-20-037
2RP-3899
NAB1626736693
Leak date: 4/26/16



National Flood Hazard Layer FIRMette

FEMA

103°44'41"W 32°8'58"N

103°44'4"W 32°8'27"N

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

1:6,000

Legend

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

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

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, A of 1% annual chance flood with avera depth less than one foot or with drain areas of less than one square mile *Zo*
- 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 *Zon*

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 8/10/2020 at 3:47 PM 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.

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

April 07, 2020

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

RE: Cotton Draw 238H Devon WO 20847432 OrderNo.: 2004066

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 12 sample(s) on 4/2/2020 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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 10:45:00 AM
Lab ID: 2004066-001 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 5:59:23 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/5/2020 6:38:34 AM	51530
Surr: BFB	99.0	70-130		%Rec	1	4/5/2020 6:38:34 AM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/5/2020 9:57:19 AM	51539
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/5/2020 9:57:19 AM	51539
Surr: DNOP	84.2	55.1-146		%Rec	1	4/5/2020 9:57:19 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.023		mg/Kg	1	4/5/2020 6:38:34 AM	51530
Toluene	ND	0.047		mg/Kg	1	4/5/2020 6:38:34 AM	51530
Ethylbenzene	ND	0.047		mg/Kg	1	4/5/2020 6:38:34 AM	51530
Xylenes, Total	ND	0.094		mg/Kg	1	4/5/2020 6:38:34 AM	51530
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	4/5/2020 6:38:34 AM	51530
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	4/5/2020 6:38:34 AM	51530
Surr: Dibromofluoromethane	92.3	70-130		%Rec	1	4/5/2020 6:38:34 AM	51530
Surr: Toluene-d8	97.5	70-130		%Rec	1	4/5/2020 6:38:34 AM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 10:00:00 AM
Lab ID: 2004066-002 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 6:36:35 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 8:06:18 AM	51530
Surr: BFB	97.9	70-130		%Rec	1	4/5/2020 8:06:18 AM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2020 10:21:06 AM	51539
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 10:21:06 AM	51539
Surr: DNOP	84.2	55.1-146		%Rec	1	4/5/2020 10:21:06 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/5/2020 8:06:18 AM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 8:06:18 AM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 8:06:18 AM	51530
Xylenes, Total	ND	0.095		mg/Kg	1	4/5/2020 8:06:18 AM	51530
Surr: 1,2-Dichloroethane-d4	91.2	70-130		%Rec	1	4/5/2020 8:06:18 AM	51530
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	4/5/2020 8:06:18 AM	51530
Surr: Dibromofluoromethane	93.6	70-130		%Rec	1	4/5/2020 8:06:18 AM	51530
Surr: Toluene-d8	99.7	70-130		%Rec	1	4/5/2020 8:06:18 AM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 10:25:00 AM
Lab ID: 2004066-003 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	68	60		mg/Kg	20	4/5/2020 7:13:49 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 1:39:03 PM	51530
Surr: BFB	96.7	70-130		%Rec	1	4/5/2020 1:39:03 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/5/2020 10:44:56 AM	51539
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 10:44:56 AM	51539
Surr: DNOP	81.7	55.1-146		%Rec	1	4/5/2020 10:44:56 AM	51539
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 1:39:03 PM	51530
Toluene	ND	0.049		mg/Kg	1	4/5/2020 1:39:03 PM	51530
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 1:39:03 PM	51530
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2020 1:39:03 PM	51530
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	4/5/2020 1:39:03 PM	51530
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	4/5/2020 1:39:03 PM	51530
Surr: Dibromofluoromethane	95.3	70-130		%Rec	1	4/5/2020 1:39:03 PM	51530
Surr: Toluene-d8	97.5	70-130		%Rec	1	4/5/2020 1:39:03 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 10:45:00 AM
Lab ID: 2004066-004 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	4/5/2020 7:26:13 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 2:08:16 PM	51530
Surr: BFB	96.9	70-130		%Rec	1	4/5/2020 2:08:16 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2020 11:56:53 AM	51541
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 11:56:53 AM	51541
Surr: DNOP	89.7	55.1-146		%Rec	1	4/5/2020 11:56:53 AM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 2:08:16 PM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 2:08:16 PM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 2:08:16 PM	51530
Xylenes, Total	ND	0.096		mg/Kg	1	4/5/2020 2:08:16 PM	51530
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%Rec	1	4/5/2020 2:08:16 PM	51530
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	4/5/2020 2:08:16 PM	51530
Surr: Dibromofluoromethane	92.3	70-130		%Rec	1	4/5/2020 2:08:16 PM	51530
Surr: Toluene-d8	101	70-130		%Rec	1	4/5/2020 2:08:16 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 11:15:00 AM
Lab ID: 2004066-005 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	290	60		mg/Kg	20	4/5/2020 8:03:27 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 2:37:26 PM	51530
Surr: BFB	98.2	70-130		%Rec	1	4/5/2020 2:37:26 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2020 1:09:27 PM	51541
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 1:09:27 PM	51541
Surr: DNOP	92.6	55.1-146		%Rec	1	4/5/2020 1:09:27 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/5/2020 2:37:26 PM	51530
Toluene	ND	0.049		mg/Kg	1	4/5/2020 2:37:26 PM	51530
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 2:37:26 PM	51530
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2020 2:37:26 PM	51530
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%Rec	1	4/5/2020 2:37:26 PM	51530
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	4/5/2020 2:37:26 PM	51530
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	4/5/2020 2:37:26 PM	51530
Surr: Toluene-d8	99.6	70-130		%Rec	1	4/5/2020 2:37:26 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 11:25:00 AM
Lab ID: 2004066-006 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 8:15:51 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2020 3:06:36 PM	51530
Surr: BFB	99.5	70-130		%Rec	1	4/5/2020 3:06:36 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/5/2020 1:33:47 PM	51541
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/5/2020 1:33:47 PM	51541
Surr: DNOP	92.9	55.1-146		%Rec	1	4/5/2020 1:33:47 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 3:06:36 PM	51530
Toluene	ND	0.050		mg/Kg	1	4/5/2020 3:06:36 PM	51530
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2020 3:06:36 PM	51530
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2020 3:06:36 PM	51530
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/5/2020 3:06:36 PM	51530
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	4/5/2020 3:06:36 PM	51530
Surr: Dibromofluoromethane	93.8	70-130		%Rec	1	4/5/2020 3:06:36 PM	51530
Surr: Toluene-d8	101	70-130		%Rec	1	4/5/2020 3:06:36 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 11:40:00 AM
Lab ID: 2004066-007 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	280	60		mg/Kg	20	4/5/2020 8:28:16 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/5/2020 3:36:22 PM	51530
Surr: BFB	97.9	70-130		%Rec	1	4/5/2020 3:36:22 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2020 1:58:11 PM	51541
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 1:58:11 PM	51541
Surr: DNOP	92.0	55.1-146		%Rec	1	4/5/2020 1:58:11 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.023		mg/Kg	1	4/5/2020 3:36:22 PM	51530
Toluene	ND	0.047		mg/Kg	1	4/5/2020 3:36:22 PM	51530
Ethylbenzene	ND	0.047		mg/Kg	1	4/5/2020 3:36:22 PM	51530
Xylenes, Total	ND	0.093		mg/Kg	1	4/5/2020 3:36:22 PM	51530
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	4/5/2020 3:36:22 PM	51530
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	4/5/2020 3:36:22 PM	51530
Surr: Dibromofluoromethane	94.4	70-130		%Rec	1	4/5/2020 3:36:22 PM	51530
Surr: Toluene-d8	97.2	70-130		%Rec	1	4/5/2020 3:36:22 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 11:55:00 AM
Lab ID: 2004066-008 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 8:40:41 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2020 4:05:56 PM	51530
Surr: BFB	97.2	70-130		%Rec	1	4/5/2020 4:05:56 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/5/2020 2:22:33 PM	51541
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/5/2020 2:22:33 PM	51541
Surr: DNOP	93.6	55.1-146		%Rec	1	4/5/2020 2:22:33 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 4:05:56 PM	51530
Toluene	ND	0.050		mg/Kg	1	4/5/2020 4:05:56 PM	51530
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2020 4:05:56 PM	51530
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2020 4:05:56 PM	51530
Surr: 1,2-Dichloroethane-d4	89.4	70-130		%Rec	1	4/5/2020 4:05:56 PM	51530
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	4/5/2020 4:05:56 PM	51530
Surr: Dibromofluoromethane	92.1	70-130		%Rec	1	4/5/2020 4:05:56 PM	51530
Surr: Toluene-d8	98.5	70-130		%Rec	1	4/5/2020 4:05:56 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 12:05:00 PM
Lab ID: 2004066-009 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 8:53:05 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 4:35:09 PM	51530
Surr: BFB	96.0	70-130		%Rec	1	4/5/2020 4:35:09 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/5/2020 2:46:53 PM	51541
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/5/2020 2:46:53 PM	51541
Surr: DNOP	93.3	55.1-146		%Rec	1	4/5/2020 2:46:53 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/5/2020 4:35:09 PM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 4:35:09 PM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 4:35:09 PM	51530
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 4:35:09 PM	51530
Surr: 1,2-Dichloroethane-d4	94.1	70-130		%Rec	1	4/5/2020 4:35:09 PM	51530
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	4/5/2020 4:35:09 PM	51530
Surr: Dibromofluoromethane	97.3	70-130		%Rec	1	4/5/2020 4:35:09 PM	51530
Surr: Toluene-d8	97.7	70-130		%Rec	1	4/5/2020 4:35:09 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 12:15:00 PM
Lab ID: 2004066-010 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 9:05:29 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 5:04:14 PM	51530
Surr: BFB	98.3	70-130		%Rec	1	4/5/2020 5:04:14 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2020 3:11:17 PM	51541
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 3:11:17 PM	51541
Surr: DNOP	91.7	55.1-146		%Rec	1	4/5/2020 3:11:17 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/5/2020 5:04:14 PM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 5:04:14 PM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 5:04:14 PM	51530
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 5:04:14 PM	51530
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/5/2020 5:04:14 PM	51530
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	4/5/2020 5:04:14 PM	51530
Surr: Dibromofluoromethane	96.3	70-130		%Rec	1	4/5/2020 5:04:14 PM	51530
Surr: Toluene-d8	105	70-130		%Rec	1	4/5/2020 5:04:14 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-6 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 12:25:00 PM
Lab ID: 2004066-011 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 9:17:54 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 5:33:20 PM	51530
Surr: BFB	99.9	70-130		%Rec	1	4/5/2020 5:33:20 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/5/2020 3:35:44 PM	51541
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/5/2020 3:35:44 PM	51541
Surr: DNOP	97.1	55.1-146		%Rec	1	4/5/2020 3:35:44 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/5/2020 5:33:20 PM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 5:33:20 PM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 5:33:20 PM	51530
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 5:33:20 PM	51530
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/5/2020 5:33:20 PM	51530
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	4/5/2020 5:33:20 PM	51530
Surr: Dibromofluoromethane	94.9	70-130		%Rec	1	4/5/2020 5:33:20 PM	51530
Surr: Toluene-d8	98.5	70-130		%Rec	1	4/5/2020 5:33:20 PM	51530

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 **2004066**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-6 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 12:40:00 PM
Lab ID: 2004066-012 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	59		mg/Kg	20	4/5/2020 9:30:19 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 6:02:31 PM	51530
Surr: BFB	98.6	70-130		%Rec	1	4/5/2020 6:02:31 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/5/2020 4:00:09 PM	51541
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/5/2020 4:00:09 PM	51541
Surr: DNOP	95.8	55.1-146		%Rec	1	4/5/2020 4:00:09 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/5/2020 6:02:31 PM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 6:02:31 PM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 6:02:31 PM	51530
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 6:02:31 PM	51530
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	4/5/2020 6:02:31 PM	51530
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	4/5/2020 6:02:31 PM	51530
Surr: Dibromofluoromethane	94.8	70-130		%Rec	1	4/5/2020 6:02:31 PM	51530
Surr: Toluene-d8	99.2	70-130		%Rec	1	4/5/2020 6:02:31 PM	51530

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#: **2004066**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **MB-51572**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51572**	RunNo: **67876**							
Prep Date: **4/5/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344946**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51572**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51572**	RunNo: **67876**							
Prep Date: **4/5/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344947**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	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#: **2004066**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **MB-51539**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51539**	RunNo: **67838**
Prep Date: **4/3/2020**	Analysis Date: **4/4/2020**	SeqNo: **2344027** 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		87.6	55.1	146			

Sample ID: **LCS-51539**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51539**	RunNo: **67838**
Prep Date: **4/3/2020**	Analysis Date: **4/4/2020**	SeqNo: **2344028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	70	130			
Surr: DNOP	4.4		5.000		88.2	55.1	146			

Sample ID: **2004066-004AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **AH-2 1ft**	Batch ID: **51541**	RunNo: **67859**
Prep Date: **4/3/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344066** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	46.95	0	90.1	47.4	136			
Surr: DNOP	4.2		4.695		88.5	55.1	146			

Sample ID: **2004066-004AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **AH-2 1ft**	Batch ID: **51541**	RunNo: **67859**
Prep Date: **4/3/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344067** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.3	46.55	0	88.8	47.4	136	2.28	43.4	
Surr: DNOP	4.1		4.655		88.7	55.1	146	0	0	

Sample ID: **MB-51541**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51541**	RunNo: **67859**
Prep Date: **4/3/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344068** 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	9.0		10.00		89.6	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#: **2004066**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **LCS-51541**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51541**	RunNo: **67859**
Prep Date: **4/3/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344069** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.3	70	130			
Surr: DNOP	4.3		5.000		85.8	55.1	146			

Sample ID: **MB-51554**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51554**	RunNo: **67859**
Prep Date: **4/4/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345130** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	55.1	146			

Sample ID: **LCS-51554**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51554**	RunNo: **67859**
Prep Date: **4/4/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345131** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.3	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004066**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **mb-51530** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343895** 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	0.43		0.5000		85.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.4	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.1	70	130			
Surr: Toluene-d8	0.49		0.5000		97.3	70	130			

Sample ID: **lcs-51530** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343896** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.5	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			

Sample ID: **2004066-001ams** SampType: **MS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **AH-1 Surface** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343899** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9833	0	92.1	80	120			
Toluene	1.0	0.049	0.9833	0	106	80	120			
Ethylbenzene	1.0	0.049	0.9833	0	106	80	120			
Xylenes, Total	3.1	0.098	2.950	0	105	80	120			
Surr: 4-Bromofluorobenzene	0.46		0.4916		93.8	70	130			
Surr: Toluene-d8	0.49		0.4916		99.2	70	130			

Sample ID: **2004066-001amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **AH-1 Surface** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343900** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9823	0	94.8	80	120	2.79	20	
Toluene	1.0	0.049	0.9823	0	104	80	120	1.86	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004066**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **2004066-001amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **AH-1 Surface** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343900** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	1.0	0.049	0.9823	0	104	80	120	2.16	20	
Xylenes, Total	3.0	0.098	2.947	0	102	80	120	3.20	20	
Surr: 4-Bromofluorobenzene	0.47		0.4912		95.2	70	130	0	0	
Surr: Toluene-d8	0.49		0.4912		100	70	130	0	0	

Sample ID: **mb-51487** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **51487** RunNo: **67881**

Prep Date: **4/1/2020** Analysis Date: **4/5/2020** SeqNo: **2345162** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.2	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Sample ID: **lcs-51487** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **51487** RunNo: **67881**

Prep Date: **4/1/2020** Analysis Date: **4/5/2020** SeqNo: **2345164** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.48		0.5000		97.0	70	130			
Surr: Toluene-d8	0.50		0.5000		100	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#: **2004066**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **mb-51530**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343932** 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	490		500.0		97.5	70	130			

Sample ID: **lcs-51530**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343933** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.5	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: **2004066-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **AH-1 1ft**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343937** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	24.02	0	86.3	70	130			
Surr: BFB	470		480.3		98.8	70	130			

Sample ID: **2004066-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **AH-1 1ft**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343938** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.37	0	87.0	70	130	2.24	20	
Surr: BFB	480		487.3		99.3	70	130	0	0	

Sample ID: **mb-51487**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345213** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		98.6	70	130			

Sample ID: **lcs-51487**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345214** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	500		500.0		99.3	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: 2004066 RcptNo: 1

Received By: Isaiah Ortiz 4/2/2020 8:30:00 AM I-04

Completed By: John Caldwell 4/2/2020 9:41:22 AM John Caldwell

Reviewed By: IO 4/2/20

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° 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: DAD 4/2/20

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	1.4	Good				
2	1.2	Good				

Chain-of-Custody Record

Client: Safety + Environmental Solutions

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 Turn
☑ Standard ☐ Rush

Project Name: Devon Cotton Draw 238H WO# 20847432

Project #: DEV-20-037

Project Manager: Allen, Bob

Sampler: Son-Jerry

On Ice: ☑ Yes ☐ No

# of Coolers: 2 1.6-0.2(CF) 1.4°C

Cooler Temp(including CF): 1.4-0.2(CF) 1.2°(°C)

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. 2004066	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)	Chloride 30 4.2.20
04/01	1045	S	AH-1 Surface	1		-001	X	X									X
	1000	S	AH-1 1FT	1		-002											
	1025	S	AH-2 Surface	1		-003											
	1045	S	AH-2 1FT	1		-004											
	1115	S	AH-3 Surface	1		-005											
	1125	S	AH-3 1FT	1		-006											
	1140	S	AH-4 Surface	1		-007											
	1155	S	AH-4 1FT	1		-008											
	1205	S	AH-5 Surface	1		-009											
	1215	S	AH-5 1FT	1		-010											
	1225	S	AH-6 Surface	1		-011											
04/01	1240	S	AH-6 1FT	1		-012	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
04/01	1600	Son Jerry			4/1/20	1600
4/1/20	1900		On cenin		4/2/20	0830

Remarks: email data To BoB Sergio Kathy Jerry 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: www.hallenvironmental.com

April 07, 2020

Bob Allen

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

RE: Cotton Draw 238H Devon WO 20847432 OrderNo.: 2004069

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/2/2020 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 **2004069**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-7 Surface
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 1:00:00 PM
Lab ID: 2004069-001 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	72	60		mg/Kg	20	4/5/2020 10:57:11 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 8:29:12 PM	51530
Surr: BFB	96.8	70-130		%Rec	1	4/5/2020 8:29:12 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/5/2020 6:27:07 PM	51541
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/5/2020 6:27:07 PM	51541
Surr: DNOP	94.0	55.1-146		%Rec	1	4/5/2020 6:27:07 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 8:29:12 PM	51530
Toluene	ND	0.049		mg/Kg	1	4/5/2020 8:29:12 PM	51530
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 8:29:12 PM	51530
Xylenes, Total	ND	0.099		mg/Kg	1	4/5/2020 8:29:12 PM	51530
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	1	4/5/2020 8:29:12 PM	51530
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	4/5/2020 8:29:12 PM	51530
Surr: Dibromofluoromethane	97.8	70-130		%Rec	1	4/5/2020 8:29:12 PM	51530
Surr: Toluene-d8	97.2	70-130		%Rec	1	4/5/2020 8:29:12 PM	51530

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 **2004069**
Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-7 1ft
Project: Cotton Draw 238H Devon WO 20847432
Collection Date: 4/1/2020 1:10:00 PM
Lab ID: 2004069-002 **Matrix:** SOIL
Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	4/5/2020 11:09:36 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2020 8:58:44 PM	51530
Surr: BFB	94.5	70-130		%Rec	1	4/5/2020 8:58:44 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/5/2020 6:51:36 PM	51541
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/5/2020 6:51:36 PM	51541
Surr: DNOP	94.2	55.1-146		%Rec	1	4/5/2020 6:51:36 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 8:58:44 PM	51530
Toluene	ND	0.050		mg/Kg	1	4/5/2020 8:58:44 PM	51530
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2020 8:58:44 PM	51530
Xylenes, Total	ND	0.099		mg/Kg	1	4/5/2020 8:58:44 PM	51530
Surr: 1,2-Dichloroethane-d4	90.8	70-130		%Rec	1	4/5/2020 8:58:44 PM	51530
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	4/5/2020 8:58:44 PM	51530
Surr: Dibromofluoromethane	92.4	70-130		%Rec	1	4/5/2020 8:58:44 PM	51530
Surr: Toluene-d8	94.1	70-130		%Rec	1	4/5/2020 8:58:44 PM	51530

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#: **2004069**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **MB-51572** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **51572** RunNo: **67876**

Prep Date: **4/5/2020** Analysis Date: **4/5/2020** SeqNo: **2344946** Units: **mg/Kg**

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

Sample ID: **LCS-51572** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **51572** RunNo: **67876**

Prep Date: **4/5/2020** Analysis Date: **4/5/2020** SeqNo: **2344947** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	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#: **2004069**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **MB-51541**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51541**	RunNo: **67859**
Prep Date: **4/3/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344068** 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	9.0		10.00		89.6	55.1	146			

Sample ID: **LCS-51541**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51541**	RunNo: **67859**
Prep Date: **4/3/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344069** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.3	70	130			
Surr: DNOP	4.3		5.000		85.8	55.1	146			

Sample ID: **MB-51554**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51554**	RunNo: **67859**
Prep Date: **4/4/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345130** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	55.1	146			

Sample ID: **LCS-51554**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51554**	RunNo: **67859**
Prep Date: **4/4/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345131** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.3	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004069**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **mb-51530** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343895** 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	0.43		0.5000		85.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.4	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.1	70	130			
Surr: Toluene-d8	0.49		0.5000		97.3	70	130			

Sample ID: **lcs-51530** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **51530** RunNo: **67853**

Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2343896** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.5	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			

Sample ID: **mb-51487** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **51487** RunNo: **67881**

Prep Date: **4/1/2020** Analysis Date: **4/5/2020** SeqNo: **2345162** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.2	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Sample ID: **lcs-51487** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **51487** RunNo: **67881**

Prep Date: **4/1/2020** Analysis Date: **4/5/2020** SeqNo: **2345164** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.48		0.5000		97.0	70	130			
Surr: Toluene-d8	0.50		0.5000		100	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#: **2004069**

07-Apr-20

Client: Safety & Environmental Solutions

Project: Cotton Draw 238H Devon WO 20847432

Sample ID: **mb-51530**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343932** 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	490		500.0		97.5	70	130			

Sample ID: **lcs-51530**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51530**	RunNo: **67853**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2343933** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.5	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: **mb-51487**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345213** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		98.6	70	130			

Sample ID: **lcs-51487**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345214** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	500		500.0		99.3	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: 2004069 RcptNo: 1

Received By: Isaiah Ortiz 4/2/2020 8:30:00 AM I-OK
Completed By: John Caldwell 4/2/2020 9:57:42 AM John Caldwell
Reviewed By: IO 4/2/20

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° 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: DAD 4/2/20

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	1.4	Good				
2	1.2	Good				

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 Turn
☑ Standard ☐ Rush

Project Name: Devon Cotton Draw 238H WO# 20847432

Project #: DEV-20-037

Project Manager: Allen, Bob

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 2 1.6-0.2(CF) 1.4°C

Cooler Temp(including CF): 1.4-0.2(CF) 1.2°C (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2004069
04/01	1300	S	AH-7 Surface	1	Ice	-001
04/01	1310	S	AH-7 1FT	1	Ice	-002

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMB's (8021)	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
X	X									X
X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
04/01	1600				4/1/20	1600
4/1/20	1900				4/2/20	0830

Remarks: email data To BOB SERGIO Kathy Jerry

Bill Deran

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.

State of New Mexico
Oil Conservation Division

Incident ID	NAB1626736693
District RP	2RP-3899
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?	UNDETERMINED (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ■ 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)?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ■ 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?	☐ Yes ■ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ■ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ■ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ■ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ■ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ■ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	■ Yes ☐ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1626736693
District RP	2RP-3899
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: TOM BYNUM Title: EHS CONSULTANT

Signature: Tom Bynum Date: 8/10/2020

email: TOM.BYNUM@DVN.COM Telephone: 575-748-3371

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1626736693
District RP	2RP-3899
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: TOM BYNUM Title: EHS CONSULTANT

Signature: Tom Bynum Date: 8/10/2020

email: TOM.BYNUM@DVN.COM Telephone: 575-748-3371

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1626736693
District RP	2RP-3899
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.***

- [x] 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)
- [x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- [x] 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: TOM BYNUM Title: EHS CONSULTANT

Signature: Tom Bynum Date: 8/10/2020

email: TOM.BYNUM@DVN.COM Telephone: 575-748-3371

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: Brittany Hall Date: 10/28/2022

Printed Name: Brittany Hall Title: Environmental Specialist

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

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

CONDITIONS

Operator: Safety & Environmental Solutions, Inc. PO Box 1613 Hobbs, NM 88240	OGRID: 329088
	Action Number: 9583
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	10/28/2022