of New Mexico Page 1 of 64

Incident ID NRM2000942346

Incident ID	NRM2000942346
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 must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and relibuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
	Title: Env. Professional
Signature: Dale Woodall	Date: 11/14/2022
email:dale.woodall@dvn.com	Telephone:575-748-1838
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Page 2 of 64

Incident ID	NRM2000942346
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 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Dale Woodall	Title: Env. Professional
Signature: Dals Woodall	Date:11/14/2022
email:dale.woodall@dvn.com	Telephone: 575-748-1838
OCD Only	
Received by: Robert Hamlet	Date: 2/27/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Robert Hamlet	Date: 2/27/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

Devon Energy Production Company Snapping 2 St 14H Battery

Closure Report U/L P, Sec 2, T26S, R31E Eddy County, New Mexico NAB1906632805 NRM2000942346

July 22, 2021



Prepared for:

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

By:

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

Company Contacts

Representative	Company	Telephone	E-mail
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 Snapping 2 St 14H Battery concerning a 7.3 bbls produced water release around the saddle riser on the pipeline south of the battery. According to the C-141, a gasket blew out and caused the release. No barrels of fluid 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. A second release was documented on 8/14/2019 as almost 14 bbls of produced water was released inside the SPCC containment area. A pin hole leak in the 2" water line going to the tanks was responsible for the release. As this release was confined to the containment area, this closure report will be used to address both incidents and their closure.

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 340' and 365' bgs. This is evidenced by wells drilled in the area that are less than 25 years old, and are approximately 1400' from the release location(s).

Characterization

In February 2020, SESI personnel performed sampling to determine vertical extent of the release. SESI advanced 11 auger holes within the leak areas. In August of 2020, Horizontal extent samples were collected to confirm the breadth of the release was mitigated to the defined release area previously determined. The samples were properly packaged and preserved and sent to Cardinal Laboratories for analysis. The results of the testing are captured in the summary below:

Devon Energy Snapping 2 St 14H Battery									
Soi	il Sample Re	sults: Car				es 2/17/20	- NAB19066	32805	
SAMPLE ID	Chloride	GRO	DRO	EXT	Benzene	Toluene	Ethyl	Total	Total
				DRO			benzene	Xylenes	BTEX
AH1 @ SURFACE	224	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH1 @ 1'	240	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ SURFACE	224	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ 1'	64	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH3 @ SURFACE	240	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH3 @ 1'	208	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ SURFACE	224	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ 1'	64	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ 1.5'	75	ND	ND	ND	ND	ND	ND	ND	ND
AH5 @ SURFACE	16	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH5 @ 1'	16	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH6 @ SURFACE	80	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH6 @ 1'	16	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH7 @ SURFACE	64	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH7 @ 1'	16	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
				NRM2000	942346				
AH1 @ SURFACE	192	<10.0	358	110	<0.050	<0.050	<0.050	<0.150	<0.300
AH1 @ 1'	160	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ SURFACE	192	<10.0	391	101	<0.050	<0.050	<0.050	<0.150	<0.300
AH2 @ 1'	160	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH3 @ SURFACE	192	<10.0	147	28.1	<0.050	<0.050	<0.050	<0.150	<0.300
AH3 @ 1'	144	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ SURFACE	176	<10.0	84.1	17.3	<0.050	<0.050	<0.050	<0.150	<0.300
AH4 @ 1'	160	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300
			Horizonta	l Extent – I	Hall Labs 7/3	31/20			
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl	XYL	ENES
							benzene		
H-5 North	ND	ND	ND	ND	ND	ND	ND		ND .
H-6 West	73	ND	ND	ND	ND	ND	ND	١	1D
H-7 South	ND	ND	ND	ND	ND	ND	ND		ND .
H-8 East	ND	ND	ND	ND	ND	ND	ND	<u> </u>	ID .

Remediation

NAB1906632805

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 to 1.5 feet as practicable. Contaminated soils were excavated and subsequently transported to an approved NMOCD disposal facility; the site was then backfilled with clean soil. Pictures of the remediation are included in this report.

NRM2000942346

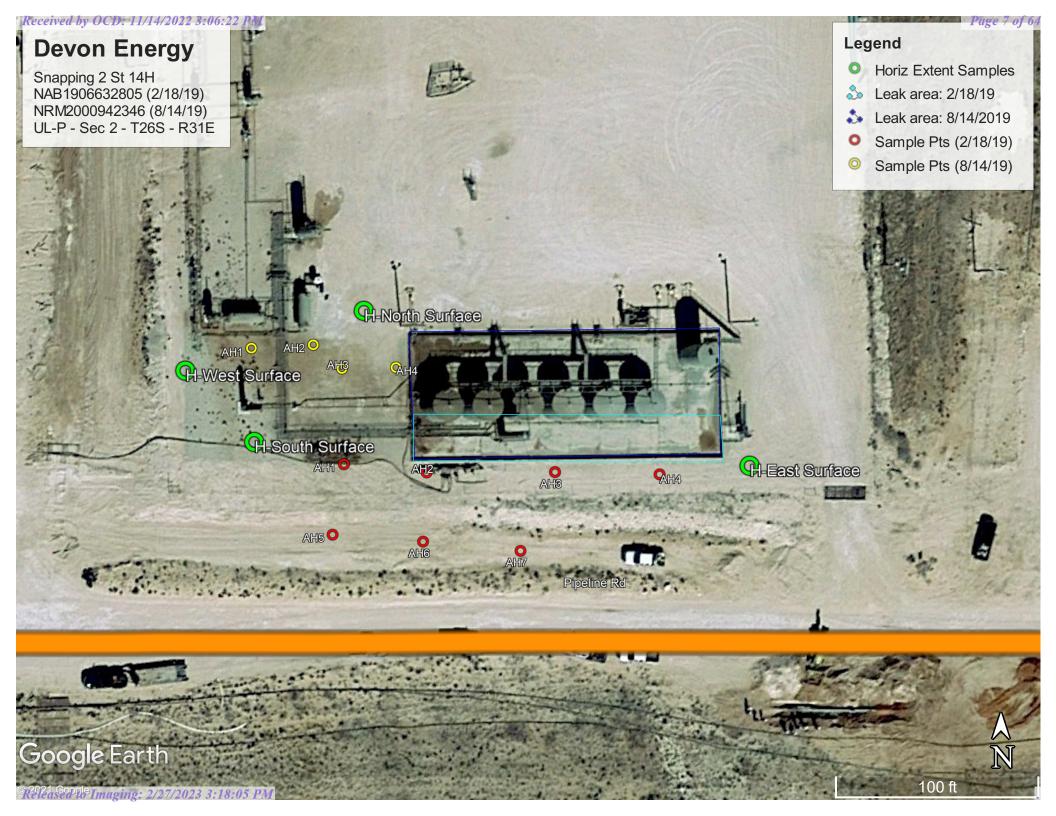
For this incident, 13.86 bbls of produced water were released into the lined SPCC containment area. According to the C-141, a pin hole leak in the 2" water line going to the water tanks gave rise to the release. All 13.86 bbls of fluid were recovered via vacuum truck. SESI was asked to perform a liner inspection on this containment area and this activity was performed on 7/31/20. The photo documentation is included in this report as well. Because this release was fully contained, and fully recovered, there was no evidence that any fluids left the containment area. As the liner inspection shows, there was no damage observed over a year from when the incident first occurred. Therefore, there were no soil samples taken, and no analytical to report.

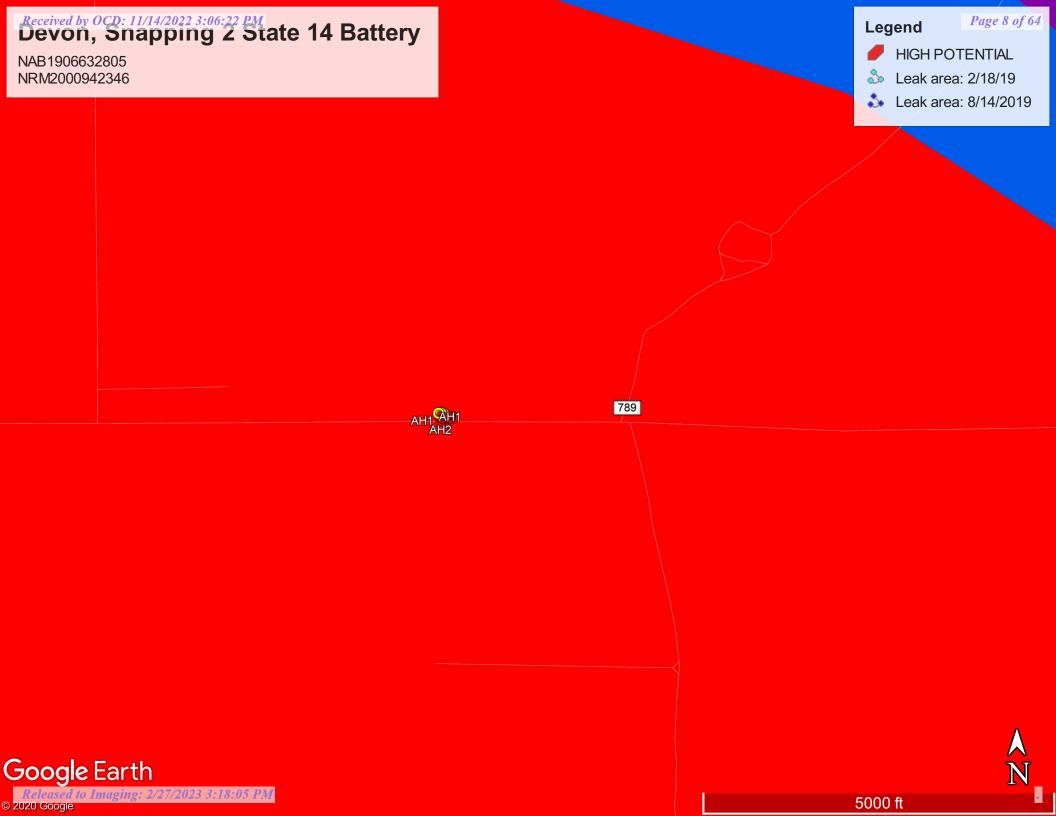
Closure Request

Based on the vertical 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 the following releases, **NAB1906632805** & **NRM2000942346**. 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 Laboratory Analysis 2/27/20 and 8/14/20 C-141, pages 3-6





OSE PUBLIC PRINT



8/12/2021, 11:08:44 AM

GIS WATERS PODs

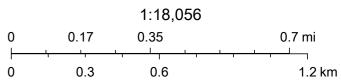
OSE District Boundary

Both Estates

Active

New Mexico State Trust Lands SiteBoundaries

Subsurface Estate Pending



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



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

August 10, 2020

Bob Allen Safety & Environmental Solutions PO Box 1613 Hobbs, NM 88241

TEL: (575) 397-0510 FAX: (575) 393-4388

RE: Devon Snapping 2 State 14 H OrderNo.: 2008034

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/4/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 8/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Devon Snapping 2 State 14 H

Lab ID: 2008034-001 **Matrix:** SOIL

Client Sample ID: AH-4 1.5 ft

Collection Date: 7/31/2020 9:45:00 AM Received Date: 8/4/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	JMT
Chloride	75	60	mg/Kg	20	8/7/2020 2:23:27 AM	54233
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	JMR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/5/2020 8:33:39 PM	54146
Surr: BFB	108	70-130	%Rec	1	8/5/2020 8:33:39 PM	54146
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/5/2020 10:20:19 PM	54158
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/5/2020 10:20:19 PM	54158
Surr: DNOP	115	30.4-154	%Rec	1	8/5/2020 10:20:19 PM	54158
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	JMR
Benzene	ND	0.024	mg/Kg	1	8/5/2020 8:33:39 PM	54146
Toluene	ND	0.048	mg/Kg	1	8/5/2020 8:33:39 PM	54146
Ethylbenzene	ND	0.048	mg/Kg	1	8/5/2020 8:33:39 PM	54146
Xylenes, Total	ND	0.097	mg/Kg	1	8/5/2020 8:33:39 PM	54146
Surr: 1,2-Dichloroethane-d4	96.3	70-130	%Rec	1	8/5/2020 8:33:39 PM	54146
Surr: 4-Bromofluorobenzene	88.9	70-130	%Rec	1	8/5/2020 8:33:39 PM	54146
Surr: Dibromofluoromethane	104	70-130	%Rec	1	8/5/2020 8:33:39 PM	54146
Surr: Toluene-d8	102	70-130	%Rec	1	8/5/2020 8:33:39 PM	54146

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
 - 8 % Recovery outside of range due to dilution or matrix

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

Page 1 of 11

Date Reported: 8/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Devon Snapping 2 State 14 H **Project:**

Lab ID: 2008034-002

Collection Date: 7/31/2020 10:15:00 AM

Client Sample ID: H-5 North

Received Date: 8/4/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	ND	60	mg/Kg	20	8/7/2020 3:00:30 AM	54233
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	JMR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/5/2020 10:02:24 PM	54146
Surr: BFB	109	70-130	%Rec	1	8/5/2020 10:02:24 PM	54146
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/5/2020 10:30:28 PM	54158
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/5/2020 10:30:28 PM	54158
Surr: DNOP	138	30.4-154	%Rec	1	8/5/2020 10:30:28 PM	54158
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	JMR
Benzene	ND	0.024	mg/Kg	1	8/5/2020 10:02:24 PM	54146
Toluene	ND	0.048	mg/Kg	1	8/5/2020 10:02:24 PM	54146
Ethylbenzene	ND	0.048	mg/Kg	1	8/5/2020 10:02:24 PM	54146
Xylenes, Total	ND	0.096	mg/Kg	1	8/5/2020 10:02:24 PM	54146
Surr: 1,2-Dichloroethane-d4	93.4	70-130	%Rec	1	8/5/2020 10:02:24 PM	54146
Surr: 4-Bromofluorobenzene	96.4	70-130	%Rec	1	8/5/2020 10:02:24 PM	54146
Surr: Dibromofluoromethane	104	70-130	%Rec	1	8/5/2020 10:02:24 PM	54146
Surr: Toluene-d8	103	70-130	%Rec	1	8/5/2020 10:02:24 PM	54146

Matrix: SOIL

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

Qualifiers:

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

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 2 of 11

Date Reported: 8/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Devon Snapping 2 State 14 H

Lab ID: 2008034-003

Client Sample ID: H-6 West

Collection Date: 7/31/2020 10:45:00 AM

Received Date: 8/4/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	JMT
Chloride	73	60	mg/Kg	20	8/7/2020 3:12:50 AM	54233
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	JMR
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/6/2020 1:28:45 AM	54146
Surr: BFB	105	70-130	%Rec	1	8/6/2020 1:28:45 AM	54146
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/5/2020 10:40:38 PM	54158
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/5/2020 10:40:38 PM	54158
Surr: DNOP	100	30.4-154	%Rec	1	8/5/2020 10:40:38 PM	54158
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst:	JMR
Benzene	ND	0.023	mg/Kg	1	8/6/2020 1:28:45 AM	54146
Toluene	ND	0.046	mg/Kg	1	8/6/2020 1:28:45 AM	54146
Ethylbenzene	ND	0.046	mg/Kg	1	8/6/2020 1:28:45 AM	54146
Xylenes, Total	ND	0.093	mg/Kg	1	8/6/2020 1:28:45 AM	54146
Surr: 1,2-Dichloroethane-d4	96.5	70-130	%Rec	1	8/6/2020 1:28:45 AM	54146
Surr: 4-Bromofluorobenzene	96.3	70-130	%Rec	1	8/6/2020 1:28:45 AM	54146
Surr: Dibromofluoromethane	104	70-130	%Rec	1	8/6/2020 1:28:45 AM	54146
Surr: Toluene-d8	101	70-130	%Rec	1	8/6/2020 1:28:45 AM	54146

Matrix: SOIL

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

Qualifiers:

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

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

Page 3 of 11

Date Reported: 8/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Devon Snapping 2 State 14 H

Lab ID: 2008034-004

Client Sample ID: H-7 South

Collection Date: 7/31/2020 11:10:00 AM **Received Date:** 8/4/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	JMT
Chloride	ND	60	mg/Kg	20	8/7/2020 3:25:10 AM	54233
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	JMR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/6/2020 1:58:08 AM	54146
Surr: BFB	107	70-130	%Rec	1	8/6/2020 1:58:08 AM	54146
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/5/2020 11:40:45 PM	54160
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/5/2020 11:40:45 PM	54160
Surr: DNOP	110	30.4-154	%Rec	1	8/5/2020 11:40:45 PM	54160
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst:	JMR
Benzene	ND	0.024	mg/Kg	1	8/6/2020 1:58:08 AM	54146
Toluene	ND	0.047	mg/Kg	1	8/6/2020 1:58:08 AM	54146
Ethylbenzene	ND	0.047	mg/Kg	1	8/6/2020 1:58:08 AM	54146
Xylenes, Total	ND	0.095	mg/Kg	1	8/6/2020 1:58:08 AM	54146
Surr: 1,2-Dichloroethane-d4	99.4	70-130	%Rec	1	8/6/2020 1:58:08 AM	54146
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	8/6/2020 1:58:08 AM	54146
Surr: Dibromofluoromethane	108	70-130	%Rec	1	8/6/2020 1:58:08 AM	54146
Surr: Toluene-d8	99.4	70-130	%Rec	1	8/6/2020 1:58:08 AM	54146

Matrix: SOIL

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

Qualifiers:

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

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

Page 4 of 11

Surr: Toluene-d8

Analytical Report Lab Order 2008034

Client Sample ID: H-8 East

Date Reported: 8/10/2020

8/6/2020 2:27:42 AM

54146

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

 Project:
 Devon Snapping 2 State 14 H
 Collection Date: 7/31/2020 11:40:00 AM

 Lab ID:
 2008034-005
 Matrix: SOIL
 Received Date: 8/4/2020 8:00:00 AM

Analyses Result **RL Qual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 8/7/2020 3:37:31 AM 60 mg/Kg 20 54233 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JMR Gasoline Range Organics (GRO) ND 8/6/2020 2:27:42 AM 4.8 mg/Kg 54146 Surr: BFB 103 70-130 %Rec 1 8/6/2020 2:27:42 AM 54146 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) ND 8/6/2020 12:10:56 AM 54160 9.8 mg/Kg Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 8/6/2020 12:10:56 AM 54160 Surr: DNOP 73.0 30.4-154 %Rec 1 8/6/2020 12:10:56 AM 54160 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: JMR Benzene ND 0.024 mg/Kg 8/6/2020 2:27:42 AM 54146 Toluene ND 0.048 mg/Kg 8/6/2020 2:27:42 AM 1 54146 Ethylbenzene ND 0.048 8/6/2020 2:27:42 AM mg/Kg 1 54146 Xylenes, Total ND 0.097 mg/Kg 1 8/6/2020 2:27:42 AM 54146 Surr: 1,2-Dichloroethane-d4 101 70-130 %Rec 8/6/2020 2:27:42 AM 54146 Surr: 4-Bromofluorobenzene %Rec 8/6/2020 2:27:42 AM 94.3 70-130 1 54146 Surr: Dibromofluoromethane 106 70-130 %Rec 1 8/6/2020 2:27:42 AM 54146

98.3

70-130

%Rec

1

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

Qualifiers:

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

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

Page 5 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008034

10-Aug-20

Client: Safety & Environmental Solutions Devon Snapping 2 State 14 H **Project:**

TestCode: EPA Method 300.0: Anions Sample ID: MB-54233 SampType: mblk

Client ID: PBS Batch ID: 54233 RunNo: 70878

Prep Date: 8/6/2020 Analysis Date: 8/7/2020 SeqNo: 2468703 Units: mg/Kg

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Chloride ND 1.5

Sample ID: LCS-54233 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 54233 RunNo: 70878

1.5

Prep Date: 8/6/2020 Analysis Date: 8/7/2020 SeqNo: 2468704 Units: mg/Kg

15.00

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** HighLimit Qual Analyte 0

92.3

90

Qualifiers:

Chloride

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008034

10-Aug-20

Client:	Safety & Environmental Solutions
Project:	Devon Snapping 2 State 14 H

Sample ID: 2008034-004AMS	SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: H-7 South	Batch ID: 54160 RunNo: 70860										
Prep Date: 8/4/2020	Analysis D	oate: 8/	5/2020	S	SeqNo: 24	467368	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	45	9.8	49.12	0	92.0	47.4	136				
Surr: DNOP	4.0		4.912		82.0	30.4	154				
Sample ID: 2008034-004AMSI	S ampT	уре: М\$	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: H-7 South	Batch	n ID: 54	160	F	RunNo: 7 0	0860					
Prep Date: 8/4/2020	Analysis D	oate: 8/	6/2020	8	SeqNo: 24	467369	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	44	9.8	48.83	0	89.2	47.4	136	3.64	43.4		
Surr: DNOP	3.8		4.883		78.5	30.4	154	0	0		
Sample ID: LCS-54157	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: LCSS	Batch	Batch ID: 54157			RunNo: 70	ınNo: 70860					
Prep Date: 8/4/2020	Analysis D	oate: 8/	5/2020	SeqNo: 2467390 Units: %Rec			С				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	5.0		5.000		99.5	30.4	154				
Sample ID: LCS-54158	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID: LCSS	Batch	n ID: 54	158	F	RunNo: 7 0	0860					
Prep Date: 8/4/2020	Analysis D	oate: 8/	5/2020	8	SeqNo: 24	467391	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	58	10	50.00	0	115	70	130				
Surr: DNOP	4.9		5.000		98.3	30.4	154				
Sample ID: LCS-54160	SampT	ype: LC	:s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: LCSS	Batch	n ID: 54	160	F	RunNo: 70	0860					
Prep Date: 8/4/2020	Analysis D	Date: 8/	5/2020	SeqNo: 2467392			Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	55	10	50.00	0	110	70	130				
Surr: DNOP	4.8		5.000		95.1	30.4	154				

Qualifiers:

Analyte

Surr: DNOP

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

SampType: MBLK

Batch ID: 54157

Analysis Date: 8/5/2020

Result

13

- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

Sample ID: MB-54157

Prep Date: 8/4/2020

Client ID: PBS

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

131

RunNo: 70860

SeqNo: 2467394

LowLimit

30.4

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: %Rec

HighLimit

154

%RPD

- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

SPK value SPK Ref Val %REC

10.00

Page 7 of 11

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

10-Aug-20

2008034

WO#:

%RPD

HighLimit

RPDLimit

Qual

Client: Safety & Environmental Solutions
Project: Devon Snapping 2 State 14 H

Sample ID: MB-54158 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 54158 RunNo: 70860

Prep Date: 8/4/2020 Analysis Date: 8/5/2020 SeqNo: 2467395 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 13 10.00 126 30.4 154

Sample ID: MB-54160 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 54160 RunNo: 70860

Prep Date: 8/4/2020 Analysis Date: 8/5/2020 SeqNo: 2467396 Units: mg/Kg

%REC LowLimit

SPK value SPK Ref Val

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Result

Surr: DNOP 11 10.00 109 30.4 154

PQL

Qualifiers:

Analyte

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2008034

10-Aug-20

Client: Safety & Environmental Solutions

Project: Devon Snapping 2 State 14 H

Sample ID: Ics-54146	Samp	Гуре: LC	S4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: BatchQC	Batc	h ID: 54 ′	146	F	RunNo: 70	0866				
Prep Date: 8/4/2020	Analysis [Date: 8/	5/2020	S	SeqNo: 24	467903	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.1	0.050	1.000	0	108	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.8	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.5	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			
Sample ID: mb-54146	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batc	Batch ID: 54146			RunNo: 7 0	0866				
Prep Date: 8/4/2020	Analysis [Date: 8/	5/2020	SeqNo: 2467904			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	0.48		0.5000		95.9	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.7	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	70	130			
Surr: Toluene-d8	0.49		0.5000		98.7	70	130			
Sample ID: 2008034-002AMS	Samp	Гуре: МS	64	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: H-5 North	Batc	Batch ID: 54146		RunNo: 70866						
Pren Date: 8/4/2020	Analysis F	Jate . ol	5/2020	c	SeaNo: 2	167907	Units: ma/K	(a		

Prep Date: 8/4/2020	Analysis D	Date: 8/	5/2020	9	SeqNo: 24	467907	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9911	0	112	71.1	115			
Toluene	1.0	0.050	0.9911	0.005624	103	79.6	132			
Ethylbenzene	1.0	0.050	0.9911	0	102	83.8	134			
Xylenes, Total	3.1	0.099	2.973	0	104	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.49		0.4955		98.0	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.4955		94.1	70	130			
Surr: Dibromofluoromethane	0.51		0.4955		103	70	130			
Surr: Toluene-d8	0.49		0.4955		99.7	70	130			

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2008034**

10-Aug-20

Client: Safety & Environmental Solutions

Project: Devon Snapping 2 State 14 H

Sample ID: 2008034-002AMS	D Samp∃	Гуре: МЅ	D4	Tes	TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: H-5 North	Batc	h ID: 54 1	146	F								
Prep Date: 8/4/2020	Analysis [Date: 8/	5/2020	5	SeqNo: 24	467908	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.1	0.025	0.9862	0	109	71.1	115	3.57	20			
Toluene	1.0	0.049	0.9862	0.005624	101	79.6	132	2.61	20			
Ethylbenzene	1.0	0.049	0.9862	0	104	83.8	134	1.59	20			
Xylenes, Total	3.1	0.099	2.959	0	103	82.4	132	1.23	20			
Surr: 1,2-Dichloroethane-d4	0.48		0.4931		97.3	70	130	0	0			
Surr: 4-Bromofluorobenzene	0.45		0.4931		90.5	70	130	0	0			
Surr: Dibromofluoromethane	0.52		0.4931		105	70	130	0	0			
Surr: Toluene-d8	0.48		0.4931		98.3	70	130	0	0			

Qualifiers:

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

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

Page 10 of 11

Sample ID: mb-54146

Sample ID: 2008034-001AMSD

Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#: 2008034

10-Aug-20

Client: Safety & Environmental Solutions **Project:** Devon Snapping 2 State 14 H

Sample ID: Ics-54146 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: LCSS Batch ID: 54146 RunNo: 70866 Prep Date: 8/4/2020 Analysis Date: 8/5/2020 SeqNo: 2467929 Units: mg/Kg Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 90.0 22 130 Surr: BFB 520 500.0 104 70 130

Client ID: PBS Batch ID: 54146 RunNo: 70866 Prep Date: 8/4/2020 Analysis Date: 8/5/2020 SeaNo: 2467930 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 5.0 Gasoline Range Organics (GRO) Surr: BFB 550 500.0 109 130

TestCode: EPA Method 8015D Mod: Gasoline Range

TestCode: EPA Method 8015D Mod: Gasoline Range

Sample ID: 2008034-001AMS SampType: MS TestCode: EPA Method 8015D Mod: Gasoline Range Batch ID: 54146 Client ID: AH-4 1.5 ft RunNo: 70866 Prep Date: 8/4/2020 Analysis Date: 8/5/2020 SeqNo: 2467932 Units: mg/Kg Result SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual **PQL** SPK value LowLimit Gasoline Range Organics (GRO) 25 3.101 49.2 5.0 24.90 86.6 122 Surr: BFB 520 498.0 104 70 130

SampType: MSD Client ID: AH-4 1.5 ft Batch ID: 54146 RunNo: 70866 Prep Date: 8/4/2020 Analysis Date: 8/5/2020 SeqNo: 2467933 Units: mg/Kg %REC %RPD Result **PQL** SPK value SPK Ref Val LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 23 4.9 24.41 3.101 83.3 49.2 122 5.09 20 520 Surr: BFB 488.3 107 70 130 0 0

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

Sample Log-In Check List

ew oy	HALL HALL
15%	ENVIRONMENTAL
	ANALYSIS
: 2- ₂ -	LABORATORY

Client Name:	Safety & Environmental Solutions	Work Order Number	2008034		RoptNo:	1
Received By:	Emily Mocho	8/4/2020 8:00:00 AM				
Completed By:	Emily Mocho	8/4/2020 8:41:05 AM				
Reviewed By: 1	DAD 8/4/20					
Chain of Cus	stody					
1. Is Chain of C	ustody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In 3. Was an attern	npt made to cool the samples	?	Yes 🗹	No 🗌	na 🗀	
	,			· · · · · ·		
4. Were all samp	ples received at a temperatur	e of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in [proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	ple volume for indicated test	(s)?	Yes 🗹	No 🗔	·	
7. Are samples (except VOA and ONG) prope	erly preserved?	Yes 🗹	No 🗌		
8. Was preserva	tive added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at le	east 1 vial with headspace <1	/4" for AQ VOA?	Yes 🗌	No 🔲	NA 🗹	
10, Were any san	nple containers received brol	en?	Yes	No 🗹	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH: (<2 or	>12 unless noted)
2. Are matrices o	correctly identified on Chain of	f Custody?	Yes 🗸	No 🗌	Adjusted?	<u></u>
3. Is it clear what	t analyses were requested?		Yes 🗹	No 🗆		0.010
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗌	Checked by:	SPA 8.7.
pecial Handl	ing (if applicable)				2	
	otified of all discrepancies with	this order?	Yes 🗌	No 🗆	NA 🗹	
Person	Notified:	Date:				
By Who	om:	Via:	eMail	Phone T Fax	In Person	
Regardi	ing:		<u> </u>			
Client Ir	nstructions:				P	
16. Additional rei	marks:			111111111111111111111111111111111111111		
17. <u>Cooler Infor</u> Cooler No	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Seal Intact Seal No S	Seal Date	Signed By		
1	1.6 Good N	ot Present	Ar en - 1 - 1 Mails of Salashian a consession	A.I.A.M.M.A.M.W.M.M.M.M.M.M.M.M.M.M.M.M.M.M		

Chain-of-Custody Record	Turn-Around Time:	Receive
Client: Sality & GAVIronalar	Standard 🗆 Rush	HALL ENVIRONMENTAL PARAMENTAL PAR
Solveron	gers.	_
Mailing Address: 703 E. Chara	2 Smr	87109
8828	Project # 7.7.7.7.1	Fax 505-345-4107
Phone #: 575-397-0570	.	Analysis Request
email or Fax#;	Project Manager:	() ()
QA/QC Package:	AMEN, 1306	6:22 F
:	Sampler: Som Jan	1) DRC (1) SS 70:
□ NELAC □ Other		8/8- 504 8 10 8 3, 10
□ EDD (Type)	# of Coolers:	.BE
	Cooler Temp(including CF); 1.4 +6.2 = [.6]	MTTM daried estide detho yy 83 yy 83 3 Metho yOA yo A
i		081 P3 081 P3 08 (N 60 (N 1, F, E 1, F, E 1, F, E
Matrix	1ype and # 1ype 700% 034	88 (9) (1) (1) (1) (2) (3)
1/31 0995 J 1444 1.5 th	100-	\(\frac{1}{2} \)
My 1018 3 H5 NOWA	1 -002	
0/21 104 2 H-6 WEST	1 -003	
07/31 1/10 5 H-7 SOUTH	h00-	
7/31 /140 S H-B GAST	500-	XX
Date: Time: Reinfiguished by:	Received by Via Date Time	Remarks:
Date: Time: Relifreduished for:		
8/3/20 1910 M	SKM counter SHIPO 8:00	23 o
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	al .	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



February 19, 2020

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: SNAPPING 2 STATE 14H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/17/20 13:15.

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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

mg/kg

Sample ID: AH-1 SURFACE (H000472-01)

BTEX 8021B

				-					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	89.7	% 41-142	,						
Surrogate: 1-Chlorooctadecane	94.5	% 37.6-14	7						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Project Number: Sample Received By: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-1 1' (H000472-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	90.1 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.3	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-2 SURFACE (H000472-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	87.7 9	% 41-142							
Surrogate: 1-Chlorooctadecane	90.6	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240 Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-2 1' (H000472-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	86.6	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	91.4	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

Sample ID: AH-3 SURFACE (H000472-05)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	88.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	93.2	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-3 1' (H000472-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	92.4	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	95.1	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-4 SURFACE (H000472-07)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/18/2020	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	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	86.9	% 41-142	!						
Surrogate: 1-Chlorooctadecane	91.0	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-4 1' (H000472-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	< 0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/18/2020	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	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	87.5	% 41-142	!						
Surrogate: 1-Chlorooctadecane	89.7	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-5 SURFACE (H000472-09)

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	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	< 0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/18/2020	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	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	89.0	% 41-142							
Surrogate: 1-Chlorooctadecane	92.6	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-5 1' (H000472-10)

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	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	< 0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/18/2020	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	02/17/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/17/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/17/2020	ND					
Surrogate: 1-Chlorooctane	88.6	% 41-142							
Surrogate: 1-Chlorooctadecane	91.6	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

Sample ID: AH-6 SURFACE (H000472-11)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/18/2020	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	02/18/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	82.1	% 41-142	•						
Surrogate: 1-Chlorooctadecane	85.5	% 37.6-14	7						

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Celey D. Keene



Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: NOT GIVEN

Sample ID: AH-6 1' (H000472-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/18/2020	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	02/18/2020	ND	199	99.7	200	1.32	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	189	94.6	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	89.3	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	92.7	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

Sample ID: AH-7 SURFACE (H000472-13)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2020	ND	1.98	99.1	2.00	0.650	
Toluene*	<0.050	0.050	02/17/2020	ND	2.00	100	2.00	0.739	
Ethylbenzene*	<0.050	0.050	02/17/2020	ND	2.01	101	2.00	0.654	
Total Xylenes*	<0.150	0.150	02/17/2020	ND	5.87	97.8	6.00	0.772	
Total BTEX	<0.300	0.300	02/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	81.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	84.0	% 37.6-14	7						

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Celey & Keene



Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

mg/kg

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

Sample ID: AH-7 1' (H000472-14)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	85.4	% 41-142	•						
Surrogate: 1-Chlorooctadecane	92.2	% 37.6-14	7						

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Celey D. Keine



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene

Sampler - UPS - Bus - Other: #113/

420

Sample Condition
Cool Intact

Delivered By: (Circle One)

Date: Time:

Received By:

REMARKS:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(0.0) 000 -010 (0.0) 000-110		
Company Name: Safety and Environmental Solutions		BILL TO ANALYSIS REQUEST
Project Manager: Bob Allen	P.O. #:	
Address: 703 East Clinton, PO Box 1613	Company:	y: Same
City: Hobbs State: NM 2	Zip: 88240 Attn:	
Phone #: 575 397-0510 Fax #: 575 39	575 393-4388 Address:	
Project #: Dev-20-016 Project Owner:	City:	56
Project Name: SNZPPING 2 SPATE /	4H SAT State:	Zip:
Project Location:	Phone #:	80
Sampler Name: SOSZ Jerry	Fax #:	
FOR LAB USE ONLY	MATRIX PRESERV	SAMPLING
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER: ACID/BASE: CE / COOL	TPH BIEX CHOOL
1 AH-1 Sur-AACE	×	11/20
2 44/ 17	*	() () () ()
SAHA SURPACE	×	(((0)) (
2 - 1 CHV L	×) (120 ()
DAT-3 Surface	×	
6 AHV. IT	X	() //35
1 Att-it Survection	X /	1/56
5 to to to	X	/265
STATES SULFACE	X) /2/0)
10 att 5 1th	X	1 /220 XXX
YLEASE NOTE: Jabidy and Camages, Cardina's labidy and dient's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the cleint for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and sective by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including which the incident processor.	taim arising whether based in contract or tort, shall be find the waived unless made in writing and received by Cardin the limited on her of the productions.	mited to the amount paid by the client for the final within 30 days after completion of the applicable
afficates or successors arising out of a related to the performance of services hereunger by Cardinal	nal, regardless of whether such daim is based upon any of the above stated reasons or otherwise.	
02/1/20	Neceived by:	Phone Result: ☐ Yes ☐ No Add'I Phone #:

Sampler - UPS - Bus - Other:

#113/#4.3

Sample Condition
Cool Intact
Thes Three

Date: Time:

Received By:

Fax Result: REMARKS:

Delivered By: (Circle One)

Rettinquished By



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	olutions	01.178	ANALYSIS REQUEST	
Project Manager:	r: Bob Allen		P.O. #:	- 1	
Address: 7(703 East Clinton, PO Box 1613		Company: Same		
city: Ho	Hobbs State: NM	Zip: 88240)	
hone #: 575	575 397-0510 Fax #: 575 393-4388	93-4388	Address:		
Project #:	120016 Project Owner:		City:	56	
roject Name:	MADDILL 2 SMARC	14A 18AT	State: Zip:	>/2	
roject Location:			*		
Sampler Name:	Sosy Jerry		Fax#:	68	
FOR LAB USE ONLY	0	MATRIX	PRESERV. SAMPLING		
		ERS ATER		our	
Lab I.D. 1600472	Sample I.D.	(G)RAB OR # CONTAIN GROUNDW WASTEWAT SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME	TP 1870	
=	AH-6 SUT-MCF	X	100/14 123	5 X X X X X X X X X X X X X X X X X X X	
12	AH-6 127 G	× -	() / /25/	0 // 1// 0	
2	44-7 SITHERE	×.	X \ \ \ \ X	(4) (5)	
14	AH-7 157	×	12/ 1 /	XXXX	
			4		
EASE NOTE: Liability and alyses. All claims including vice. In no event shall Ca	EASE NOTE: Uabikly and Damages. Cardinal's sability and dient's exclusive remedy for any claim arising whether based in contract or tort, shall be firrited to the amount paid by the client for the alyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 10 days after competion of the applicable rice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidialies.	claim ansing whether based in contract o med waived unless made in writing and i thout limitation, business interruptions, lo	r tort, shall be limited to the amount paid by the clie received by Cardinal within 30 days after completion se of use, or loss of profits incurred by client, its sub-	ant for the applicable	L
elinquished By:	elipedished By: Date: Received By:	Received By:	based upon any of the above stated reasons or oth	Phone Result: Yes No Add'I Phone #	



February 19, 2020

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: SNAPPING 2 STATE 14H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/17/20 13:15.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact Project Number: DEV-20-016 Sample Received By: Jodi Henson

Project Location: TOP

Sample ID: AH-1 SURFACE (H000473-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/18/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	358	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	110	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	85.3	% 41-142	!						
Surrogate: 1-Chlorooctadecane	92.7	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: TOP

mg/kg

Sample ID: AH-1 1' (H000473-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	79.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	82.5	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: TOP

Sample ID: AH-2 SURFACE (H000473-03)

RTFY 8021R

BIEX 8021B	mg/	/ Kg	Analyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	391	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	101	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	83.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	92.6	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions

Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: TOP

mg/kg

Sample ID: AH-2 1' (H000473-04)

BTEX 8021B

	9,	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	90.0	% 41-142	,						
Surrogate: 1-Chlorooctadecane	92.7	% 37.6-14	7						

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Celey D. Keene



Analytical Results For:

Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: TOP

Sample ID: AH-3 SURFACE (H000473-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	147	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	28.1	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	84.2 %	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	88.9 9	37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: TOP

mg/kg

Sample ID: AH-3 1' (H000473-06)

BTEX 8021B

	9,	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	87.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	90.8	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: **SNAPPING 2 STATE 14H BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: DEV-20-016 Jodi Henson

Project Location: TOP

Sample ID: AH-4 SURFACE (H000473-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	84.1	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	17.3	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	81.9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	94.1	% 37.6-14	7						

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Analytical Results For:

Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 02/17/2020 Sampling Date: 02/14/2020

Reported: 02/19/2020 Sampling Type: Soil

Project Name: SNAPPING 2 STATE 14H BATTERY Sampling Condition: Cool & Intact
Project Number: DEV-20-016 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: TOP

mg/kg

Sample ID: AH-4 1' (H000473-08)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2020	ND	1.93	96.5	2.00	4.34	
Toluene*	<0.050	0.050	02/18/2020	ND	1.95	97.6	2.00	4.06	
Ethylbenzene*	<0.050	0.050	02/18/2020	ND	1.94	96.8	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/18/2020	ND	5.63	93.8	6.00	4.25	
Total BTEX	<0.300	0.300	02/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/18/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2020	ND	193	96.3	200	0.0970	
DRO >C10-C28*	<10.0	10.0	02/18/2020	ND	211	105	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	02/18/2020	ND					
Surrogate: 1-Chlorooctane	80.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	83.4	% 37.6-14	7						

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

Shed By:

Delivered By: ----

1100

5 Circle One Othor

4.30

Sample Condition
Cool Intact
Types Taylor



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(5/5) 393-2326 FAX (5/5) 393-24/6	,	
Company Name: Safety and Environmental Solutions	8/11/10	ANALYSIS REQUEST
Project Manager: Bob Allen	P.O. #:	
Address: 703 East Clinton, PO Box 1613	Company: Same	
City: Hobbs State: NM Zip: 88240	Attn:	
Phone #: 575 397-0510 Fax #: 575 393-4388	Address:	
Project #: \65-20-06 Project Owner:	City:	54
Project Name: SINAPRING 2 STARE 144 KATT.	State: Zip:	5 6
	Phone #:	
Sampler Name: Soso	Fax #:	30
FOR LAB USE ONLY MATRIX	PRESERV, SAMPLING	E La
RS		H SX me
G)RAB OR (CONTAINE GROUNDWA WASTEWAT GOIL DIL	SLUDGE DTHER: ACID/BASE: CE/COOL DTHER:	TP BT CL/C
AH-1 Surther GII		*XXX
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	/	
PLEASE NOTE: Uability and Damages, Cardinal's liability and client's exclusive ramedy for any claim arising whether based in contract or tort, shall be firtilad to the amount paid by the client for the 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 30 days after completion of the applicable analyses. All claims that if cardinal which incidental or consecutantal damages, including without firtilation, business internutions, loss of use, or loss of profits incurred by cleent, its subsidiaries,	rect or tort, shall be limited to the amount paid by the and received by Cardinal within 30 days after come ins. loss of use, or loss of profits incurred by client, it	ne client for the geletion of the applicable to the applicable its subsidiaries.
affiates or successors wising out of or related to the performance of services, hereunder by Cardinal/Aquardless of whether such daim is based upon any of the above stated reasons or otherwise. Received By: Received By: Phone Rest	ilm is based upon any of the above stated reasons. Pho	t: ☐ Yes ☐ No
	N Paris	PAX RESUIT: LITES LING ADDITION

Page 11 of 11

Damage to the liner system from

Released to Imaging: 2/27/2023 3:18:05 PM_

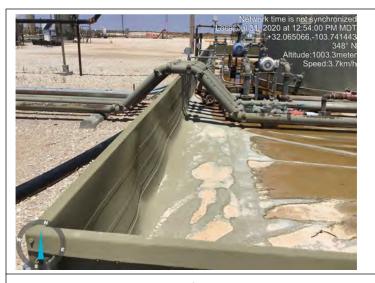
or deterioration

equipment, vehicles, foot traffic, frost heave, etc.

Evidence of foundation movement, settlement,







701-SW corner facing North inside



702-SW corner facing North outside



703-SW corner facing East inside



704-SW corner facing East outside



705-South side facing North inside



706-South side facing North inside



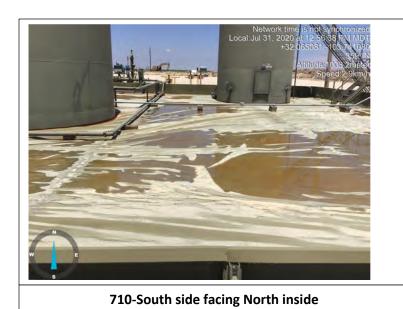
707-South side facing North inside



708-South side facing North inside



709-South side facing North inside







712-SE corner facing North outside



713-SE corner facing West inside



714-SE corner facing West outside



715-East side facing West inside



716-East side facing West inside



717-NE corner facing North Sump







719-NE corner facing South outside



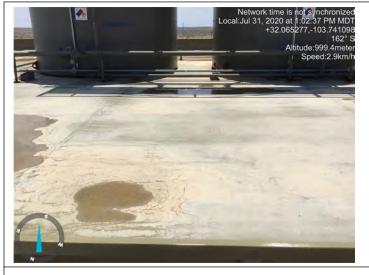
720-NE corner facing West inside



721-NE corner facing West outside



722-North side facing South inside



723-North side facing South inside



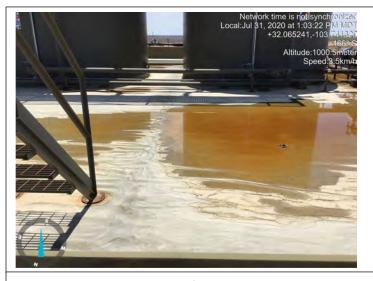
724-North side facing South inside



725-North side facing South inside



726-North side facing South inside



727-North side facing South inside



728-NW corner facing South outside



729-NW corner facing South inside



730-NW corner facing East inside



731-NW corner facing East outside



732-NW corner facing North Sump



733-West side facing East inside



734-West side facing East inside



735-Center facing NE inside



736-Center facing NW inside



737-Center facing SE inside



738-Center facing SW inside

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 158657

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	158657
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Creat	ted By	Condition	Condition Date
rhai	mlet	We have received your closure report and final C-141 for Incident #NRM2000942346 SNAPPING 2 STATE 14 BATTERY, thank you. This closure is approved.	2/27/2023