State of New Mexico
Oil Conservation Division

Incident ID	NOY1809928098
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 11/1/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: OCD Date: 11/01/2022

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: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Devon Energy Production Company
Chincoteague 32 State Com 2H

Closure Report
UL M, Section 32, T24S, R32E
Eddy County, New Mexico

NOY1809928098

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
Wesley Mathews	Devon Energy	575-578-6195	Wesley.Mathews@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 Chincoteague 32 St Com 2H location concerning a 6 bbls release of produced water outside containment. According to the C-141, corrosion, resulting in a pin hole in the water line caused the release. Zero barrels of fluids were recovered. This site is situated in Eddy County, Section 32, Township 24S, and Range 32E.

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

Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water is not present within 3,000 feet of this release. The New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be between 275' and 300' bgs; however, since no wells less than 25 years old and less than a half mile away are known to be present, SESI will delineate this release to the most stringent criteria established by NMOCD.

Characterization

In March, 2020, SESI personnel performed sampling to determine vertical extent of the release. SESI advanced 4 auger holes within the leak area. The samples were properly packaged and preserved and sent to Hall Laboratories for analysis. The results of the testing are captured in the summary below:

Devon Energy Chincoteague 32 State Com 2H Soil Sample Results: Hall Environmental Laboratories 3/25/20								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
AH-1 @ SURFACE	ND	ND	ND	ND	ND	ND	ND	ND
AH-2 @ SURFACE	350	ND	ND	ND	ND	ND	ND	ND
AH-3 @ SURFACE	410	ND	ND	ND	ND	ND	ND	ND
AH-4 @ SURFACE	2000	ND	ND	ND	ND	ND	ND	ND

As a result of the initial delineation sample analysis, further investigation was required of AH-4. This area was deepened to 2' with samples taken at 1' intervals. Field tested, they indicated vertical extent had been found. Additionally, horizontal extent samples were

obtained and sent for analysis as well. The results are presented in the table below.

Devon Energy Chincoteague 32 State Com 2H Soil Sample Results: Hall Environmental Laboratories 6/19/20								
SAMPLE ID	**Chloride**	**GRO**	**DRO**	**MRO**	**Benzene**	**Toluene**	**Ethyl benzene**	**Total Xylenes**
AH-4 @ 1'	640	ND	ND	ND	ND	ND	ND	ND
AH-4 @ 2'	ND	ND	ND	ND	ND	ND	ND	ND
NORTHEAST – H	ND	ND	ND	ND	ND	ND	ND	ND
SOUTHEAST – H	ND	ND	ND	ND	ND	ND	ND	ND
SOUTHWEST – H	ND	ND	ND	ND	ND	ND	ND	ND
NORTHWEST – H	ND	ND	ND	ND	ND	ND	ND	ND

Remediation

Based on the results of the delineation, SESI, determined the best course of action is to excavate the contaminated soil to a depth of 1.5 feet. In July of 2020, contaminated material was removed via shovel then confirmation samples were taken to ensure remediation was successful. The samples were properly preserved and packaged then sent to Hall Laboratories for analysis. The results of the sampling is captured in the table below.

Devon Energy Chincoteague 32 State Com 2H Soil Sample Results: Hall Environmental Laboratories 7/21/20								
SAMPLE ID	**Chloride**	**GRO**	**DRO**	**MRO**	**Benzene**	**Toluene**	**Ethyl benzene**	**Total Xylenes**
C-1 BTM @ 1.5'	ND	ND	ND	ND	ND	ND	ND	ND

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

Closure Request

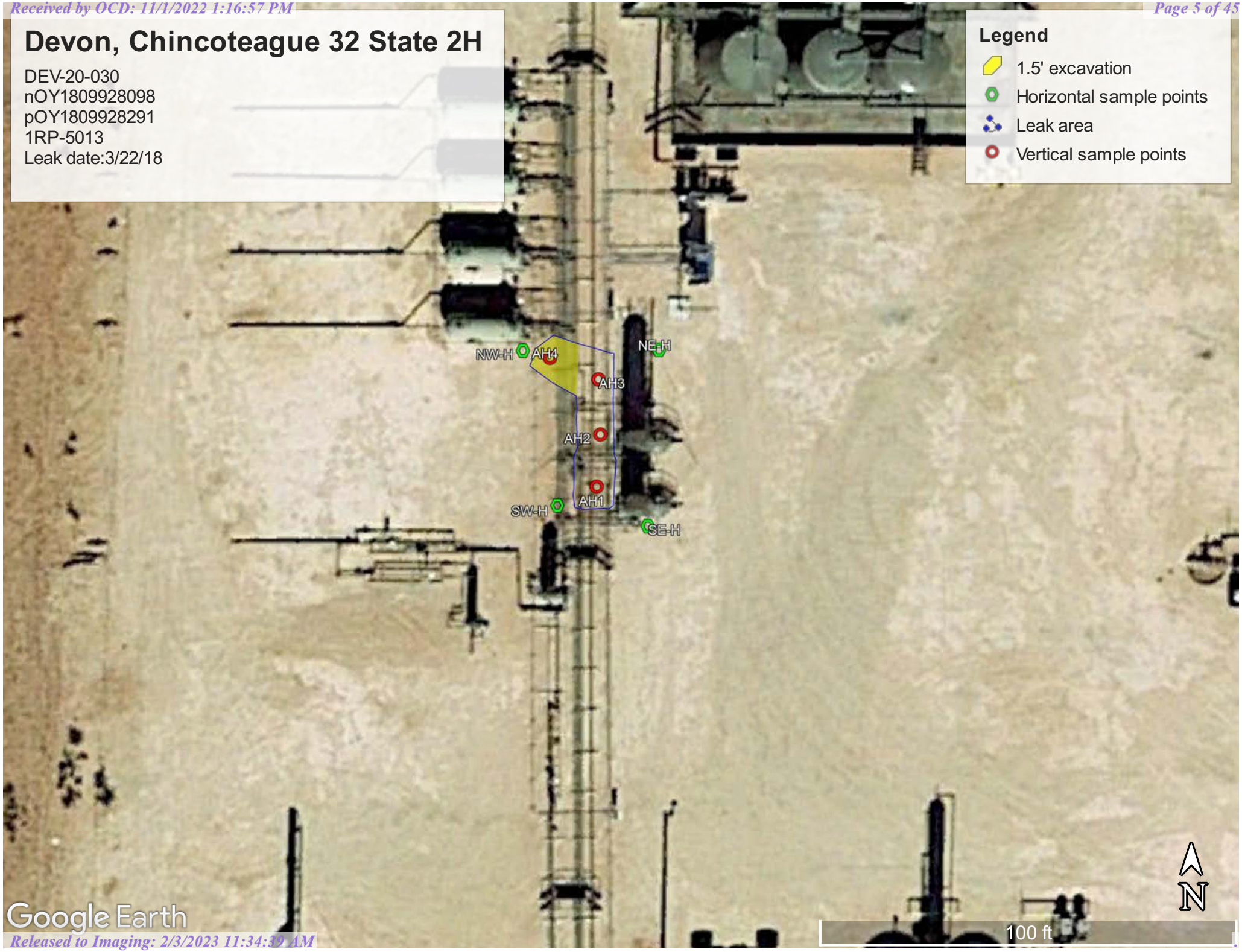
Based on the confirmation and horizontal sample results, SESI believes the release area to be properly remediated according to the closure criteria set forth in Table I of the Spill Rule 19.15.29 NMAC. Therefore, SESI, on behalf of Devon respectfully requests closure of this release. Supplemental information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

Supplemental Documentation for Closure

Map of Release with sample locations
Photos of release and remediation
NMOCD Oil and Gas Map
BLM Cave Karst Map
Laboratory Analysis
C-141, pages 3-6

Devon, Chincoteague 32 State 2H

DEV-20-030
nOY1809928098
pOY1809928291
1RP-5013
Leak date:3/22/18



OSE PUBLIC PRINT

8/26/2021, 9:13:15 AM

GIS WATERS PODs

Pending

OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

Both Estates

SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

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

Printed from Public Web Map
Unofficial Map from OSE POD Locations Web Application

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

site_no list =

- 321005103402301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

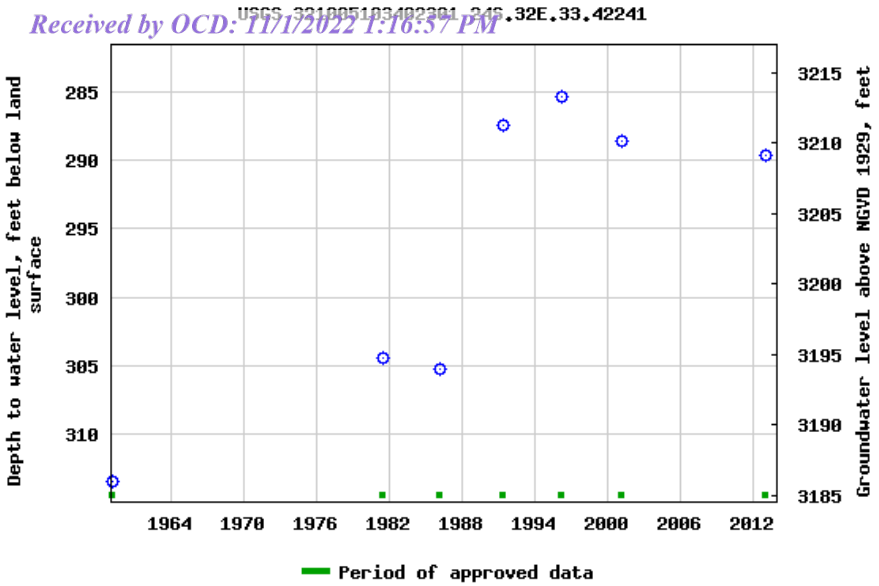
USGS 321005103402301 24S.32E.33.42241

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070001
Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
Land-surface elevation 3,499.00 feet above NGVD29
The depth of the well is 367 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-08-26 11:19:56 EDT
0.6 0.52 nadww01

Devon Energy

Chincoteague 32 St Com 2H
M-32-T24S-R32E
Karst Map - Low
NOY1809928098

Legend

- 1.5' excavation
- DEV-20-030
- Feature 1
- Feature 2
- High
- Low
- Medium

N

100 ft

Google Earth

Devon Energy

Chincoteague 32 State Com 2H Excavation & Remediation

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 31, 2020

Bob Allen

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

RE: Devon Chincoterque StCom 2H OrderNo.: 2007C57

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/24/2020 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 **2007C57**
Date Reported: **7/31/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: C-1 @ Bottom 1.5 ft
Project: Devon Chincoterque StCom 2H
Collection Date: 7/21/2020 10:15:00 AM
Lab ID: 2007C57-001 **Matrix:** SOIL
Received Date: 7/24/2020 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	7/30/2020 7:49:05 PM	54063
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/28/2020 11:24:14 PM	53974
Surr: BFB	105	70-130		%Rec	1	7/28/2020 11:24:14 PM	53974
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/29/2020 7:39:00 PM	53998
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/29/2020 7:39:00 PM	53998
Surr: DNOP	99.0	30.4-154		%Rec	1	7/29/2020 7:39:00 PM	53998
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	7/28/2020 11:24:14 PM	53974
Toluene	ND	0.048		mg/Kg	1	7/28/2020 11:24:14 PM	53974
Ethylbenzene	ND	0.048		mg/Kg	1	7/28/2020 11:24:14 PM	53974
Xylenes, Total	ND	0.097		mg/Kg	1	7/28/2020 11:24:14 PM	53974
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%Rec	1	7/28/2020 11:24:14 PM	53974
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	7/28/2020 11:24:14 PM	53974
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/28/2020 11:24:14 PM	53974
Surr: Toluene-d8	106	70-130		%Rec	1	7/28/2020 11:24:14 PM	53974

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#: **2007C57**

31-Jul-20

Client: Safety & Environmental Solutions

Project: Devon Chincoterque StCom 2H

Sample ID: **MB-54063**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **54063**	RunNo: **70743**							
Prep Date: **7/30/2020**	Analysis Date: **7/30/2020**	SeqNo: **2461854**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-54063**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **54063**	RunNo: **70743**							
Prep Date: **7/30/2020**	Analysis Date: **7/30/2020**	SeqNo: **2461855**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

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#: **2007C57**

31-Jul-20

Client: Safety & Environmental Solutions

Project: Devon Chincoterque StCom 2H

Sample ID: **LCS-53998**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **53998**	RunNo: **70650**
Prep Date: **7/28/2020**	Analysis Date: **7/29/2020**	SeqNo: **2461015** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.1		5.000		81.5	30.4	154			

Sample ID: **MB-53998**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **53998**	RunNo: **70650**
Prep Date: **7/28/2020**	Analysis Date: **7/29/2020**	SeqNo: **2461016** 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	8.9		10.00		89.5	30.4	154			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C57**
31-Jul-20

Client: Safety & Environmental Solutions
Project: Devon Chincoterque StCom 2H

Sample ID: **lcs-53974** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC** Batch ID: **53974** RunNo: **70672**
Prep Date: **7/27/2020** Analysis Date: **7/28/2020** SeqNo: **2459220** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.9	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.9	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.4	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID: **mb-53974** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS** Batch ID: **53974** RunNo: **70672**
Prep Date: **7/27/2020** Analysis Date: **7/28/2020** SeqNo: **2459228** 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	0.50		0.5000		99.3	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.6	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID: **2007c57-001ams** SampType: **MS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **C-1 @ Bottom 1.5 ft** Batch ID: **53974** RunNo: **70672**
Prep Date: **7/27/2020** Analysis Date: **7/28/2020** SeqNo: **2459254** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.023	0.9268	0	104	71.1	115			
Toluene	1.0	0.046	0.9268	0	108	79.6	132			
Ethylbenzene	0.98	0.046	0.9268	0	106	83.8	134			
Xylenes, Total	3.0	0.093	2.780	0	108	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.46		0.4634		98.6	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.4634		96.1	70	130			
Surr: Dibromofluoromethane	0.48		0.4634		104	70	130			
Surr: Toluene-d8	0.49		0.4634		106	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#: **2007C57**

31-Jul-20

Client: Safety & Environmental Solutions

Project: Devon Chincoterque StCom 2H

Sample ID: **2007c57-001amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **C-1 @ Bottom 1.5 ft** Batch ID: **53974** RunNo: **70672**

Prep Date: **7/27/2020** Analysis Date: **7/29/2020** SeqNo: **2459256** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9452	0	105	71.1	115	2.74	20	
Toluene	1.0	0.047	0.9452	0	109	79.6	132	3.00	20	
Ethylbenzene	1.0	0.047	0.9452	0	108	83.8	134	4.14	20	
Xylenes, Total	3.1	0.095	2.836	0	110	82.4	132	3.61	20	
Surr: 1,2-Dichloroethane-d4	0.46		0.4726		96.5	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4726		95.5	70	130	0	0	
Surr: Dibromofluoromethane	0.49		0.4726		103	70	130	0	0	
Surr: Toluene-d8	0.50		0.4726		106	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C57**

31-Jul-20

Client: Safety & Environmental Solutions

Project: Devon Chincoterque StCom 2H

Sample ID: **lcs-53974** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**

Client ID: **LCSS** Batch ID: **53974** RunNo: **70672**

Prep Date: **7/27/2020** Analysis Date: **7/28/2020** SeqNo: **2459344** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: **mb-53974** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**

Client ID: **PBS** Batch ID: **53974** RunNo: **70672**

Prep Date: **7/27/2020** Analysis Date: **7/28/2020** SeqNo: **2459345** 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	520		500.0		104	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: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Safety & Environmental S** Work Order Number: **2007C57** RcptNo: 1

Received By: **Scott Anderson** **7/24/2020 9:50:00 AM**

Completed By: **Isaiah Ortiz** **7/24/2020 10:17:47 AM** I-OA

Reviewed By: JR 7/24/20

Chain of Custody

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

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: CMC 7/24/20

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	2.1	Good	Not Present			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

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

Phone #: 575-397-0570

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush 1 Day

Project Name: Devon Chinkapin St. Com 2H

Project #: Dev-20-030

Project Manager: Allen, Bob

Sampler: Sosa-Jerry

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.1-0=2.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2007057	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
07/24	1015	S	C-1 @ Bottom 1.5ft	1	Ice	-001	X	X									X

Date: 07/23 Time: 0800 Relinquished by: Jerry Sosa

Received by: Via: Date 7/23/20 Time 0930

Date: 7/23/20 Time: 1900 Relinquished by:

Received by: SPA Courier Via: Date 7-24-20 Time 9:50

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 29, 2020

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

RE: Devon Chincoteaque 32 St COM 2H OrderNo.: 2006B27

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/23/2020 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 **2006B27**
Date Reported: **6/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 1ft
Project: Devon Chincoteaque 32 St COM 2H
Collection Date: 6/19/2020 9:50:00 AM
Lab ID: 2006B27-001 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	640	60		mg/Kg	20	6/27/2020 1:34:06 PM	53352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/26/2020 2:22:54 PM	53300
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 2:22:54 PM	53300
Surr: DNOP	137	55.1-146		%Rec	1	6/26/2020 2:22:54 PM	53300
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/26/2020 2:14:30 AM	53262
Surr: BFB	97.1	66.6-105		%Rec	1	6/26/2020 2:14:30 AM	53262
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	6/26/2020 2:14:30 AM	53262
Toluene	ND	0.048		mg/Kg	1	6/26/2020 2:14:30 AM	53262
Ethylbenzene	ND	0.048		mg/Kg	1	6/26/2020 2:14:30 AM	53262
Xylenes, Total	ND	0.096		mg/Kg	1	6/26/2020 2:14:30 AM	53262
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	6/26/2020 2:14:30 AM	53262

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 **2006B27**
Date Reported: **6/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 2ft
Project: Devon Chincoteaque 32 St COM 2H
Collection Date: 6/19/2020 10:30:00 AM
Lab ID: 2006B27-002 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	6/27/2020 2:11:09 PM	53352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/26/2020 2:32:50 PM	53300
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 2:32:50 PM	53300
Surr: DNOP	134	55.1-146		%Rec	1	6/26/2020 2:32:50 PM	53300
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2020 2:38:08 AM	53262
Surr: BFB	97.1	66.6-105		%Rec	1	6/26/2020 2:38:08 AM	53262
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	6/26/2020 2:38:08 AM	53262
Toluene	ND	0.049		mg/Kg	1	6/26/2020 2:38:08 AM	53262
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2020 2:38:08 AM	53262
Xylenes, Total	ND	0.098		mg/Kg	1	6/26/2020 2:38:08 AM	53262
Surr: 4-Bromofluorobenzene	97.3	80-120		%Rec	1	6/26/2020 2:38:08 AM	53262

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 **2006B27**
Date Reported: **6/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: North East H
Project: Devon Chincoteaque 32 St COM 2H
Collection Date: 6/19/2020 10:55:00 AM
Lab ID: 2006B27-003 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	6/27/2020 2:23:29 PM	53352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/26/2020 2:42:47 PM	53300
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2020 2:42:47 PM	53300
Surr: DNOP	119	55.1-146		%Rec	1	6/26/2020 2:42:47 PM	53300
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2020 3:49:01 AM	53262
Surr: BFB	99.7	66.6-105		%Rec	1	6/26/2020 3:49:01 AM	53262
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	6/26/2020 3:49:01 AM	53262
Toluene	ND	0.049		mg/Kg	1	6/26/2020 3:49:01 AM	53262
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2020 3:49:01 AM	53262
Xylenes, Total	ND	0.098		mg/Kg	1	6/26/2020 3:49:01 AM	53262
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/26/2020 3:49:01 AM	53262

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 **2006B27**
Date Reported: **6/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: South East-H
Project: Devon Chincoteaque 32 St COM 2H
Collection Date: 6/19/2020 11:20:00 AM
Lab ID: 2006B27-004 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	6/27/2020 2:35:51 PM	53352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/26/2020 2:52:50 PM	53300
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2020 2:52:50 PM	53300
Surr: DNOP	73.6	55.1-146		%Rec	1	6/26/2020 2:52:50 PM	53300
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/26/2020 4:12:30 AM	53262
Surr: BFB	100	66.6-105		%Rec	1	6/26/2020 4:12:30 AM	53262
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	6/26/2020 4:12:30 AM	53262
Toluene	ND	0.047		mg/Kg	1	6/26/2020 4:12:30 AM	53262
Ethylbenzene	ND	0.047		mg/Kg	1	6/26/2020 4:12:30 AM	53262
Xylenes, Total	ND	0.094		mg/Kg	1	6/26/2020 4:12:30 AM	53262
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/26/2020 4:12:30 AM	53262

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 **2006B27**
Date Reported: **6/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: South West-H
Project: Devon Chincoteaque 32 St COM 2H
Collection Date: 6/19/2020 11:50:00 AM
Lab ID: 2006B27-005 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	6/27/2020 2:48:13 PM	53352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/26/2020 3:02:52 PM	53300
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2020 3:02:52 PM	53300
Surr: DNOP	93.9	55.1-146		%Rec	1	6/26/2020 3:02:52 PM	53300
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2020 4:36:01 AM	53262
Surr: BFB	98.1	66.6-105		%Rec	1	6/26/2020 4:36:01 AM	53262
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	6/26/2020 4:36:01 AM	53262
Toluene	ND	0.049		mg/Kg	1	6/26/2020 4:36:01 AM	53262
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2020 4:36:01 AM	53262
Xylenes, Total	ND	0.098		mg/Kg	1	6/26/2020 4:36:01 AM	53262
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	6/26/2020 4:36:01 AM	53262

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 **2006B27**
Date Reported: **6/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: North West-H
Project: Devon Chincoteaque 32 St COM 2H
Collection Date: 6/19/2020 12:20:00 PM
Lab ID: 2006B27-006 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	6/27/2020 3:00:33 PM	53352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/26/2020 3:12:52 PM	53300
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/26/2020 3:12:52 PM	53300
Surr: DNOP	104	55.1-146		%Rec	1	6/26/2020 3:12:52 PM	53300
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2020 4:59:44 AM	53262
Surr: BFB	100	66.6-105		%Rec	1	6/26/2020 4:59:44 AM	53262
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	6/26/2020 4:59:44 AM	53262
Toluene	ND	0.049		mg/Kg	1	6/26/2020 4:59:44 AM	53262
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2020 4:59:44 AM	53262
Xylenes, Total	ND	0.099		mg/Kg	1	6/26/2020 4:59:44 AM	53262
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/26/2020 4:59:44 AM	53262

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#: **2006B27**
29-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Chincoteaque 32 St COM 2H

Sample ID: **MB-53352**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **53352**	RunNo: **69976**							
Prep Date: **6/27/2020**	Analysis Date: **6/27/2020**	SeqNo: **2430817**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-53352**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **53352**	RunNo: **69976**							
Prep Date: **6/27/2020**	Analysis Date: **6/27/2020**	SeqNo: **2430818**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B27**
29-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Chincoteaque 32 St COM 2H

Sample ID: **MB-53300**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **53300**	RunNo: **69928**
Prep Date: **6/25/2020**	Analysis Date: **6/26/2020**	SeqNo: **2428774** 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	11		10.00		112	55.1	146			

Sample ID: **LCS-53300**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **53300**	RunNo: **69943**
Prep Date: **6/25/2020**	Analysis Date: **6/26/2020**	SeqNo: **2429064** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	70	130			
Surr: DNOP	6.2		5.000		124	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#: **2006B27**
29-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Chincoteaque 32 St COM 2H

Sample ID: **lcs-53262** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427688** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.7	80	120			
Surr: BFB	1200		1000		116	66.6	105			S

Sample ID: **mb-53262** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427690** 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	1000		1000		103	66.6	105			

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#: **2006B27**
29-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Chincoteaque 32 St COM 2H

Sample ID: **LCS-53262**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **53262**	RunNo: **69911**							
Prep Date: **6/23/2020**	Analysis Date: **6/25/2020**	SeqNo: **2427752**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.90	0.050	1.000	0	89.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID: **mb-53262**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **53262**	RunNo: **69911**							
Prep Date: **6/23/2020**	Analysis Date: **6/25/2020**	SeqNo: **2427754**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions | Work Order Number: 2006B27 | RcptNo: 1

Received By: **Scott Anderson** 6/23/2020 9:10:00 AM

Completed By: **Juan Rojas** 6/23/2020 9:28:34 AM

Reviewed By: 6/23/20

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: SR 6.23.20

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	6.1	Good				
2	1.9	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: 5day Turn
☑ Standard ☐ Rush

Project Name: DeVon Chinkeleque 32 ST Com 7H

Project #: DEV-20-030

Project Manager: Allen, Bob

Sampler: Son Jeung

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 6.1 + 1.4 - 0 = 6.1 + 1.4 (°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. 2006327	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)
06/19	0450	S	SH-4 1FG	1	Ice	-001	X	X								X
06/19	1030	S	SH-4 2FG	1		-002	X	X								X
06/19	1055	S	NORTHEAST-H	1		-003	X	X								X
06/19	1120	S	SOUTHEAST-H	1		-004	X	X								X
06/19	1150	S	SOUTHWEST-H	1		-005	X	X								X
06/19	1220	S	NORTHWEST-H	1		-006	X	X								X

Ch/Bacteria

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
06/22	0800	Son Jeung				
6/22/20	1900		SPA Courier	6.23.20		9:10

Remarks:

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 03, 2020

Bob Allen

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

RE: Devon Chincoteaque 32 St. 2h OrderNo.: 2003C15

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/27/2020 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 **2003C15**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 Surface
Project: Devon Chincoteaque 32 St. 2h
Collection Date: 3/25/2020 2:10:00 PM
Lab ID: 2003C15-001 **Matrix:** SOIL
Received Date: 3/27/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/31/2020 3:11:44 AM	51423
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/29/2020 7:35:07 PM	51381
Surr: BFB	102	70-130		%Rec	1	3/29/2020 7:35:07 PM	51381
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/29/2020 4:21:06 PM	51384
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/29/2020 4:21:06 PM	51384
Surr: DNOP	100	55.1-146		%Rec	1	3/29/2020 4:21:06 PM	51384
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	3/29/2020 7:35:07 PM	51381
Toluene	ND	0.048		mg/Kg	1	3/29/2020 7:35:07 PM	51381
Ethylbenzene	ND	0.048		mg/Kg	1	3/29/2020 7:35:07 PM	51381
Xylenes, Total	ND	0.096		mg/Kg	1	3/29/2020 7:35:07 PM	51381
Surr: 1,2-Dichloroethane-d4	78.0	70-130		%Rec	1	3/29/2020 7:35:07 PM	51381
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	3/29/2020 7:35:07 PM	51381
Surr: Dibromofluoromethane	101	70-130		%Rec	1	3/29/2020 7:35:07 PM	51381
Surr: Toluene-d8	103	70-130		%Rec	1	3/29/2020 7:35:07 PM	51381

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

Analytical Report
Lab Order **2003C15**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 Surface
Project: Devon Chincoteaque 32 St. 2h
Collection Date: 3/25/2020 1:40:00 PM
Lab ID: 2003C15-002 **Matrix:** SOIL
Received Date: 3/27/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	350	60		mg/Kg	20	3/31/2020 3:24:04 AM	51423
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/29/2020 8:03:40 PM	51381
Surr: BFB	98.6	70-130		%Rec	1	3/29/2020 8:03:40 PM	51381
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/29/2020 4:45:21 PM	51384
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/29/2020 4:45:21 PM	51384
Surr: DNOP	103	55.1-146		%Rec	1	3/29/2020 4:45:21 PM	51384
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	3/29/2020 8:03:40 PM	51381
Toluene	ND	0.049		mg/Kg	1	3/29/2020 8:03:40 PM	51381
Ethylbenzene	ND	0.049		mg/Kg	1	3/29/2020 8:03:40 PM	51381
Xylenes, Total	ND	0.099		mg/Kg	1	3/29/2020 8:03:40 PM	51381
Surr: 1,2-Dichloroethane-d4	77.5	70-130		%Rec	1	3/29/2020 8:03:40 PM	51381
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	3/29/2020 8:03:40 PM	51381
Surr: Dibromofluoromethane	99.2	70-130		%Rec	1	3/29/2020 8:03:40 PM	51381
Surr: Toluene-d8	103	70-130		%Rec	1	3/29/2020 8:03:40 PM	51381

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 **2003C15**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 Surface
Project: Devon Chincoteaque 32 St. 2h
Collection Date: 3/25/2020 2:25:00 PM
Lab ID: 2003C15-003 **Matrix:** SOIL
Received Date: 3/27/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	410	60		mg/Kg	20	3/30/2020 5:39:06 PM	51424
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/29/2020 8:32:15 PM	51381
Surr: BFB	95.9	70-130		%Rec	1	3/29/2020 8:32:15 PM	51381
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/29/2020 5:09:35 PM	51384
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/29/2020 5:09:35 PM	51384
Surr: DNOP	97.8	55.1-146		%Rec	1	3/29/2020 5:09:35 PM	51384
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	3/29/2020 8:32:15 PM	51381
Toluene	ND	0.049		mg/Kg	1	3/29/2020 8:32:15 PM	51381
Ethylbenzene	ND	0.049		mg/Kg	1	3/29/2020 8:32:15 PM	51381
Xylenes, Total	ND	0.098		mg/Kg	1	3/29/2020 8:32:15 PM	51381
Surr: 1,2-Dichloroethane-d4	80.1	70-130		%Rec	1	3/29/2020 8:32:15 PM	51381
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	3/29/2020 8:32:15 PM	51381
Surr: Dibromofluoromethane	102	70-130		%Rec	1	3/29/2020 8:32:15 PM	51381
Surr: Toluene-d8	98.2	70-130		%Rec	1	3/29/2020 8:32:15 PM	51381

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

Analytical Report
Lab Order **2003C15**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 Surface
Project: Devon Chincoteaque 32 St. 2h
Collection Date: 3/25/2020 2:40:00 PM
Lab ID: 2003C15-004 **Matrix:** SOIL **Received Date:** 3/27/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2000	60		mg/Kg	20	3/30/2020 6:16:19 PM	51424
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/29/2020 9:00:45 PM	51381
Surr: BFB	99.3	70-130		%Rec	1	3/29/2020 9:00:45 PM	51381
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/29/2020 5:33:50 PM	51384
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/29/2020 5:33:50 PM	51384
Surr: DNOP	109	55.1-146		%Rec	1	3/29/2020 5:33:50 PM	51384
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	3/29/2020 9:00:45 PM	51381
Toluene	ND	0.049		mg/Kg	1	3/29/2020 9:00:45 PM	51381
Ethylbenzene	ND	0.049		mg/Kg	1	3/29/2020 9:00:45 PM	51381
Xylenes, Total	ND	0.098		mg/Kg	1	3/29/2020 9:00:45 PM	51381
Surr: 1,2-Dichloroethane-d4	77.2	70-130		%Rec	1	3/29/2020 9:00:45 PM	51381
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	3/29/2020 9:00:45 PM	51381
Surr: Dibromofluoromethane	104	70-130		%Rec	1	3/29/2020 9:00:45 PM	51381
Surr: Toluene-d8	105	70-130		%Rec	1	3/29/2020 9:00:45 PM	51381

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2003C15**

03-Apr-20

Client: Safety & Environmental Solutions

Project: Devon Chincoteaque 32 St. 2h

Sample ID: **MB-51424** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **51424** RunNo: **67714**

Prep Date: **3/30/2020** Analysis Date: **3/30/2020** SeqNo: **2337698** Units: **mg/Kg**

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

Sample ID: **LCS-51424** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **51424** RunNo: **67714**

Prep Date: **3/30/2020** Analysis Date: **3/30/2020** SeqNo: **2337699** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Sample ID: **MB-51423** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **51423** RunNo: **67715**

Prep Date: **3/30/2020** Analysis Date: **3/30/2020** SeqNo: **2337858** Units: **mg/Kg**

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

Sample ID: **LCS-51423** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **51423** RunNo: **67715**

Prep Date: **3/30/2020** Analysis Date: **3/30/2020** SeqNo: **2337859** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2003C15**

03-Apr-20

Client: Safety & Environmental Solutions

Project: Devon Chincoteaque 32 St. 2h

Sample ID: **MB-51384**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51384**	RunNo: **67666**
Prep Date: **3/28/2020**	Analysis Date: **3/29/2020**	SeqNo: **2336175** 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	9.7		10.00		96.9	55.1	146			

Sample ID: **LCS-51384**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51384**	RunNo: **67666**
Prep Date: **3/28/2020**	Analysis Date: **3/29/2020**	SeqNo: **2336176** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	70	130			
Surr: DNOP	4.9		5.000		98.7	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#: **2003C15**
03-Apr-20

Client: Safety & Environmental Solutions
Project: Devon Chincoteaque 32 St. 2h

Sample ID: **mb-51381**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **51381**	RunNo: **67657**
Prep Date: **3/27/2020**	Analysis Date: **3/29/2020**	SeqNo: **2335869** 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	0.44		0.5000		87.5	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.9	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		98.3	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

Sample ID: **lcs-51381**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **51381**	RunNo: **67657**
Prep Date: **3/27/2020**	Analysis Date: **3/29/2020**	SeqNo: **2335870** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	1.1	0.050	1.000	0	110	80	120			
Ethylbenzene	1.1	0.050	1.000	0	114	80	120			
Xylenes, Total	3.4	0.10	3.000	0	113	80	120			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.5	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

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#: **2003C15**

03-Apr-20

Client: Safety & Environmental Solutions

Project: Devon Chincoteaque 32 St. 2h

Sample ID: **mb-51381** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**

Client ID: **PBS** Batch ID: **51381** RunNo: **67657**

Prep Date: **3/27/2020** Analysis Date: **3/29/2020** SeqNo: **2335906** 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	500		500.0		100	70	130			

Sample ID: **lcs-51381** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**

Client ID: **LCSS** Batch ID: **51381** RunNo: **67657**

Prep Date: **3/27/2020** Analysis Date: **3/29/2020** SeqNo: **2335907** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	25.00	0	76.3	70	130			
Surr: BFB	470		500.0		94.7	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

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: **2003C15** RcptNo: **1**

Received By: **Juan Rojas** **3/27/2020 8:25:00 AM**

Completed By: **Juan Rojas** **3/27/2020 9:52:15 AM**

Reviewed By: JR 3/27/20

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 3/27/20

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	0.5	Good				

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. Clinton Hobbs NM 88240

Phone #: 575-397-0570

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 5 day Turn
☑ Standard ☐ Rush

Project Name: Devon Chincoteague 12 St. 2h
WO# 208432 14

Project #: DEV-20-030

Project Manager: Allen, Robert

Sampler: Sean Jones

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.5 - 0 = 0.5 (°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. 7003C15	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
03/25	1410	S	AH-1 Surface	1	Ice Only	-001	X	X									X
03/25	1340	S	AH-2 Surface	1	Ice Only	-002	X	X									X
03/25	1425	S	AH-3 Surface	1		-003	X	X									X
03/25	1440	S	AH-4 Surface	1		-004	X	X									X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/26	1600	Sean Jones			9/26	1620
9/26/20	1900			courier	3/27/20	8:15

Remarks: Bill Devon Direct

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.

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NOY1809928098
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 11/1/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: OCD Date: 11/01/2022

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: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell 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

Action 155326

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 155326
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023