

Incident ID	nab1803639691
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: Env. Professional
Signature: Dale Woodall Date: 11/14/2022
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: OCD Date: 11/14/2022

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: _____ Date: 2/07/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

**Devon Energy
Big Sinks Draw 25 Fed Com 1H Battery**

**Closure Report
UL L, Sec 25, T25S, R31E
Eddy County, New Mexico**

2RP-4194

2RP-4415

2RP-4602

2RP-4687

2RP-5710

January 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	575-748-0176	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 Big Sinks Draw 25 Fed Com 1H Battery concerning a 74 bbls produced water release inside containment. According to the C-141, a cracked weld on the drain line caused the release. All fluid was recovered. This site is situated in Eddy County, Section 25, Township 25S, and Range 31E.

SESI personnel performed an assessment of the site in February of 2020 based on generator knowledge of the leak location. During the discovery phase of the assessment, previous open RPs were also examined and a decision to map and delineate the following releases was agreed upon.

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 300' and 325' bgs; however, since no wells less than 25 years old and less than a half mile away are known to be present, SESI will delineate this release to the most stringent criteria established by NMOCD.

Characterization

On February 17, 2020, SESI personnel performed sampling to determine vertical extent of 2RP-4194, 2RP-4415, 2RP-4602, and 2RP-4687. SESI advanced a total of 10 auger holes within the leak areas. The samples were properly packaged and preserved and sent to Hall Environmental Laboratories for analysis. The results of the testing are captured in the summaries below:

2RP-4194 & 2RP-4415

While these releases were not congruent, they did occur in the same locations, just at different times. 2RP-4194 occurred on 4/15/17 when a sight glass on the 3-phase separator broke and released 20 bbls of fluid. 8 bbls were recovered. Prior to remediating this release, 2RP-4415 occurred on 9/16/17, where corrosion attributed to the release of 9 bbls of fluid, of which none was recovered. The initial samples to establish vertical extent are included below. SESI returned to the site in October of 2020 to determine the horizontal extent of the release and those results are included below as well.

Devon Energy								
Big Sinks Draw 25 Fed Com #1 Battery								
Soil Sample Results: Hall Environmental Labs, 2/17/20 – Vertical Extent 2RP-4194 & 2RP-4415								
SAMPLE ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
AH1 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH1 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH2 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH2 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH3 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH3 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH4 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH4 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH5 @ Surface	ND	120	130	ND	ND	ND	ND	ND
AH5 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH6 @ Surface	ND	150	170	ND	ND	ND	ND	ND
AH6 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
Hall Environmental Labs Horizontal Extent 10/6/20 for 2RP-4194 & 2RP-4415								
SAMPLE ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
H-7 South	ND	10	75	ND	ND	ND	ND	ND
H-8 Southeast	65	ND	ND	ND	ND	ND	ND	ND
H-9 East	63	ND	ND	ND	ND	ND	ND	ND
H-10 Northeast	ND	11	68	ND	ND	ND	ND	ND
H-11 North	ND	57	ND	ND	ND	ND	ND	ND
H-12 Northwest	ND	51	ND	ND	ND	ND	ND	ND
H-13 West	65	ND	ND	ND	ND	ND	ND	ND

2RP-4687

For this release, A Victaulic clamp on the produced water line failed causing the release. Approximately 55 bbls of produced water was released into the lined containment area. While 55 bbls of fluid was recovered, there was a slight overspray of water out of the containment equating to about 0.1 bbl. This is the area of concern and samples showing the Vertical and Horizontal extent are shown below.

Devon Energy								
Big Sinks Draw 25 Fed Com #1 Battery								
Soil Sample Results: Hall Environmental Labs, 2/17/20 – Vertical Extent 2RP-4687								
SAMPLE ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
AH1 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH1 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH2 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH2 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND

AH3 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
AH3 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
AH4 @ Surface	ND	94	100	ND	ND	ND	ND	ND
AH4 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND
Hall Environmental Labs Horizontal Extent 10/6/20 for 2RP-4687								
SAMPLE ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
H-5 North	ND	ND	ND	ND	ND	ND	ND	ND
H-6 West	ND	ND	ND	ND	ND	ND	ND	ND
H-7 East	ND	ND	ND	ND	ND	ND	ND	ND
H-8 West	ND	ND	ND	ND	ND	ND	ND	ND
H-9 East	ND	ND	ND	ND	ND	ND	ND	ND
H-10 South	ND	ND	ND	ND	ND	ND	ND	ND

2RP-4602 & 2RP-5710

For both RP#'s, the releases were fully contained in the SPCC, and were subsequently fully recovered via vacuum truck upon initial response. There are no impacted soils to remediate, and no samples sent to the lab for analysis. This report will serve as the closure of these two release notifications.

Remediation

Based on the results of the delineation, SESI, determined the best course of action is to excavate the contaminated soils to a depth of 1 foot as practicable. In October of 2020, as excavation work was concluding, confirmation and horizontal samples were taken to ensure remediation was successful and that the horizontal extent of the release area had been established. 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 Big Sinks Draw 25 Fed Com #1 Battery Confirmation Sample Results: Hall Environmental Laboratories 10/29/20								
SAMPLE ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP-11 1' Bottom	ND	ND	ND	ND	0.026	ND	ND	ND
H-12 North Wall	ND	ND	ND	ND	ND	ND	ND	ND
H-13 West Wall	ND	ND	ND	ND	ND	ND	ND	ND
H-14 South Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-13 1' Bottom	ND	ND	ND	ND	ND	ND	ND	ND
H-14 North Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-6 1' Bottom	ND	ND	ND	ND	ND	ND	ND	ND
H-7 North Wall	ND	ND	ND	ND	ND	ND	ND	ND

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

Closure Request

Based on the confirmation and horizontal sample results, SESI believes the release area to be properly remediated according to the closure criteria set forth in Table I of the Spill Rule 19.15.29 NMAC. Therefore, SESI, on behalf of Devon respectfully requests closure of the following releases, 2RP-4194, 2RP-4415, 2RP-4602, 2RP-4687, AND 2RP-5710. 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, Big Sinks Draw 25 Fed Com 1H Battery

DEV-20-010

2RP-4194, 2RP-4415, 2RP-4602, 2RP-4687, 2RP-5710

Legend

- 1' Excavation
- ◆ Horizontal extent samples, 2RP-4194 & 2RP-4415
- ★ Horizontal extent samples, 2RP-4687
- ▲ Horizontal extent samples, NR leak
- HT unknown leak, NR
- Leak area, 2RP-4194
- Leak area, 2RP-4415
- Leak area, 2RP-4602, lined
- Leak area, 2RP-4687
- Leak area, 2RP-5710, lined
- Vertical extent samples, 2RP-4194 & 2RP-4415
- Vertical extent samples, 2RP-4687
- ◇ Confirmation samples





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320643103465002

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320643103465002 25S.31E.21.413314A

Eddy County, New Mexico
Latitude 32°06'46.0", Longitude 103°46'56.3" NAD83
Land-surface elevation 3,374.00 feet above NGVD29
The depth of the well is 400 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1959-02-17		D	318.02			2	P		U	
2013-01-17	12:40 MST	m					D		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy		Not determined
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status	D	Site was dry (no water level was recorded).
Status	P	Site was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey

Section	Code	Description
Source of measurement	R	Reported by person other than the owner, driller, or another government agency.
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

[Accessibility](#) [Plug-Ins](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)





Page Last Modified: 2020-03-09 13:03:11 EDT


0.31 0.27 nadww02

Devon Energy

Big Sinks Draw 25 Fed Com 1H Battery
Karst Map - Low
UL-E, Sec 25-T25S-R31E

Legend

-  32.102021, -103.739154
-  High
-  Low
-  Medium

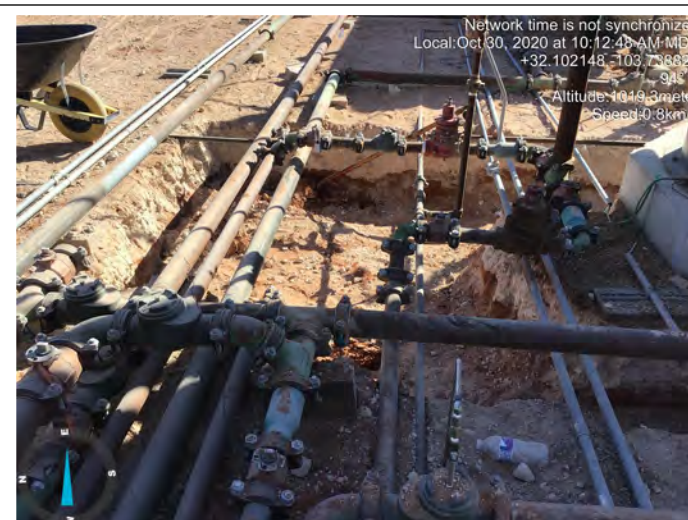
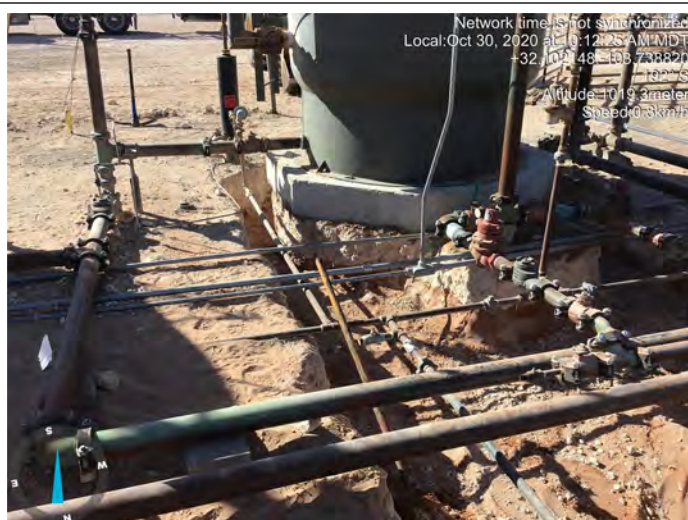
 32.102021, -103.739154



Devon Energy**Big Sinks Draw 25 Fed Com 1H Excavation & Remediation**

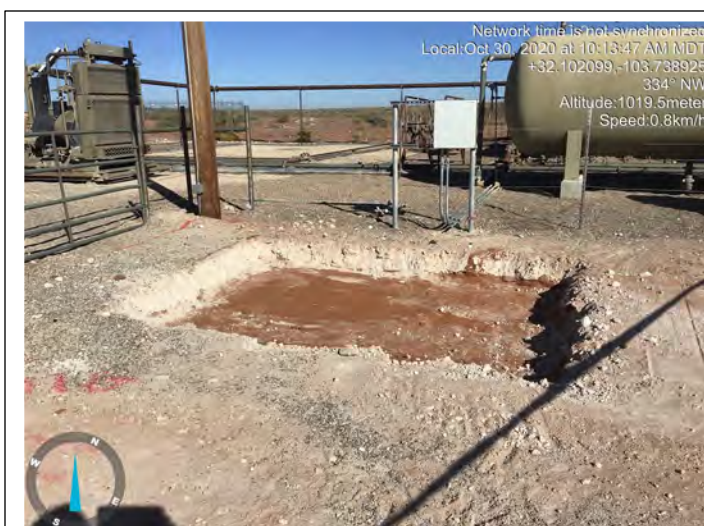
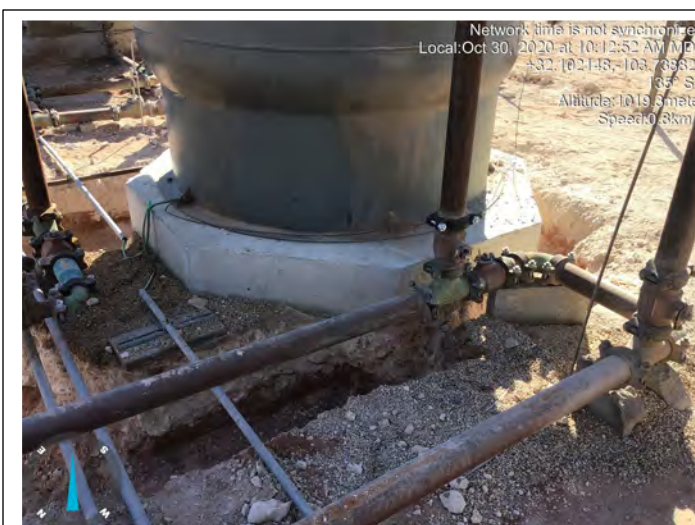
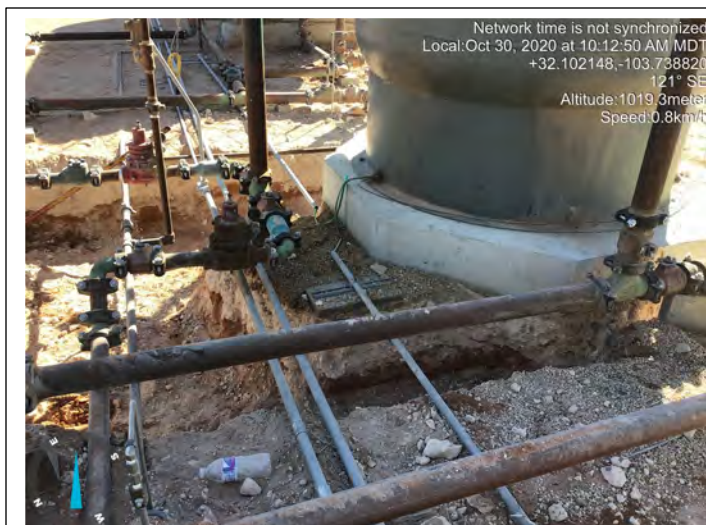
Devon Energy

Big Sinks Draw 25 Fed Com 1H Excavation & Remediation



Devon Energy

Big Sinks Draw 25 Fed Com 1H Excavation & Remediation



Devon Energy

Big Sinks Draw 25 Fed Com 1H Excavation & Remediation



Devon Energy

Big Sinks Draw 25 Fed Com 1H Excavation & Remediation





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

February 28, 2020

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

RE: Big Sink Draw 25 2 RP-4194 2RP-4415

OrderNo.: 2002910

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 12 sample(s) on 2/21/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 Surface

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 12:15:00 PM

Lab ID: 2002910-001

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 8:11:05 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/24/2020 9:18:00 PM	50592
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/24/2020 9:18:00 PM	50592
Surr: DNOP	81.6	55.1-146		%Rec	1	2/24/2020 9:18:00 PM	50592
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/24/2020 3:44:16 PM	50586
Surr: BFB	83.7	66.6-105		%Rec	1	2/24/2020 3:44:16 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/24/2020 3:44:16 PM	50586
Toluene	ND	0.046		mg/Kg	1	2/24/2020 3:44:16 PM	50586
Ethylbenzene	ND	0.046		mg/Kg	1	2/24/2020 3:44:16 PM	50586
Xylenes, Total	ND	0.092		mg/Kg	1	2/24/2020 3:44:16 PM	50586
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	2/24/2020 3:44:16 PM	50586

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

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

Page 1 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 1Ft

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 12:25:00 PM

Lab ID: 2002910-002

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 8:23:27 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/24/2020 9:40:07 PM	50592
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/24/2020 9:40:07 PM	50592
Surr: DNOP	83.6	55.1-146		%Rec	1	2/24/2020 9:40:07 PM	50592
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/24/2020 4:54:46 PM	50586
Surr: BFB	81.5	66.6-105		%Rec	1	2/24/2020 4:54:46 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/24/2020 4:54:46 PM	50586
Toluene	ND	0.047		mg/Kg	1	2/24/2020 4:54:46 PM	50586
Ethylbenzene	ND	0.047		mg/Kg	1	2/24/2020 4:54:46 PM	50586
Xylenes, Total	ND	0.093		mg/Kg	1	2/24/2020 4:54:46 PM	50586
Surr: 4-Bromofluorobenzene	88.8	80-120		%Rec	1	2/24/2020 4:54:46 PM	50586

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

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

Page 2 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 Surface

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 12:35:00 PM

Lab ID: 2002910-003

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 8:35:48 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	2/24/2020 10:01:55 PM	50592
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/24/2020 10:01:55 PM	50592
Surr: DNOP	87.8	55.1-146		%Rec	1	2/24/2020 10:01:55 PM	50592
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2020 6:04:45 PM	50586
Surr: BFB	80.5	66.6-105		%Rec	1	2/24/2020 6:04:45 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 6:04:45 PM	50586
Toluene	ND	0.048		mg/Kg	1	2/24/2020 6:04:45 PM	50586
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2020 6:04:45 PM	50586
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2020 6:04:45 PM	50586
Surr: 4-Bromofluorobenzene	87.5	80-120		%Rec	1	2/24/2020 6:04:45 PM	50586

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

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

Page 3 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 1Ft

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 12:36:00 PM

Lab ID: 2002910-004

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 8:48:09 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/24/2020 10:23:46 PM	50592
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/24/2020 10:23:46 PM	50592
Surr: DNOP	86.0	55.1-146		%Rec	1	2/24/2020 10:23:46 PM	50592
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/24/2020 6:28:16 PM	50586
Surr: BFB	82.1	66.6-105		%Rec	1	2/24/2020 6:28:16 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 6:28:16 PM	50586
Toluene	ND	0.047		mg/Kg	1	2/24/2020 6:28:16 PM	50586
Ethylbenzene	ND	0.047		mg/Kg	1	2/24/2020 6:28:16 PM	50586
Xylenes, Total	ND	0.095		mg/Kg	1	2/24/2020 6:28:16 PM	50586
Surr: 4-Bromofluorobenzene	89.9	80-120		%Rec	1	2/24/2020 6:28:16 PM	50586

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

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

Page 4 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 Surface

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 12:45:00 PM

Lab ID: 2002910-005

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 9:25:11 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/24/2020 10:45:29 PM	50592
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/24/2020 10:45:29 PM	50592
Surr: DNOP	86.6	55.1-146		%Rec	1	2/24/2020 10:45:29 PM	50592
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2020 8:48:41 PM	50586
Surr: BFB	83.9	66.6-105		%Rec	1	2/24/2020 8:48:41 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 8:48:41 PM	50586
Toluene	ND	0.048		mg/Kg	1	2/24/2020 8:48:41 PM	50586
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2020 8:48:41 PM	50586
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2020 8:48:41 PM	50586
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	2/24/2020 8:48:41 PM	50586

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

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

Page 5 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 1Ft

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 12:47:00 PM

Lab ID: 2002910-006

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 9:37:32 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/24/2020 11:07:24 PM	50592
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/24/2020 11:07:24 PM	50592
Surr: DNOP	88.4	55.1-146		%Rec	1	2/24/2020 11:07:24 PM	50592
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2020 9:12:05 PM	50586
Surr: BFB	85.1	66.6-105		%Rec	1	2/24/2020 9:12:05 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 9:12:05 PM	50586
Toluene	ND	0.048		mg/Kg	1	2/24/2020 9:12:05 PM	50586
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2020 9:12:05 PM	50586
Xylenes, Total	ND	0.096		mg/Kg	1	2/24/2020 9:12:05 PM	50586
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	1	2/24/2020 9:12:05 PM	50586

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

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

Page 6 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 Surface

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 1:05:00 PM

Lab ID: 2002910-007

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 10:14:33 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/25/2020 12:56:41 AM	50593
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/25/2020 12:56:41 AM	50593
Surr: DNOP	82.9	55.1-146		%Rec	1	2/25/2020 12:56:41 AM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/24/2020 9:35:30 PM	50586
Surr: BFB	83.8	66.6-105		%Rec	1	2/24/2020 9:35:30 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/24/2020 9:35:30 PM	50586
Toluene	ND	0.050		mg/Kg	1	2/24/2020 9:35:30 PM	50586
Ethylbenzene	ND	0.050		mg/Kg	1	2/24/2020 9:35:30 PM	50586
Xylenes, Total	ND	0.099		mg/Kg	1	2/24/2020 9:35:30 PM	50586
Surr: 4-Bromofluorobenzene	91.1	80-120		%Rec	1	2/24/2020 9:35:30 PM	50586

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

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

Page 7 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 1Ft

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 1:10:00 PM

Lab ID: 2002910-008

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 10:26:54 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/25/2020 2:02:26 AM	50593
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/25/2020 2:02:26 AM	50593
Surr: DNOP	72.2	55.1-146		%Rec	1	2/25/2020 2:02:26 AM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2020 9:58:49 PM	50586
Surr: BFB	82.5	66.6-105		%Rec	1	2/24/2020 9:58:49 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/24/2020 9:58:49 PM	50586
Toluene	ND	0.049		mg/Kg	1	2/24/2020 9:58:49 PM	50586
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2020 9:58:49 PM	50586
Xylenes, Total	ND	0.098		mg/Kg	1	2/24/2020 9:58:49 PM	50586
Surr: 4-Bromofluorobenzene	89.5	80-120		%Rec	1	2/24/2020 9:58:49 PM	50586

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

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

Page 8 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-5 Surface

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 1:15:00 PM

Lab ID: 2002910-009

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 10:39:16 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	120	9.1		mg/Kg	1	2/25/2020 2:24:19 AM	50593
Motor Oil Range Organics (MRO)	130	45		mg/Kg	1	2/25/2020 2:24:19 AM	50593
Surr: DNOP	82.1	55.1-146		%Rec	1	2/25/2020 2:24:19 AM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2020 10:22:10 PM	50586
Surr: BFB	83.5	66.6-105		%Rec	1	2/24/2020 10:22:10 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 10:22:10 PM	50586
Toluene	ND	0.048		mg/Kg	1	2/24/2020 10:22:10 PM	50586
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2020 10:22:10 PM	50586
Xylenes, Total	ND	0.096		mg/Kg	1	2/24/2020 10:22:10 PM	50586
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	2/24/2020 10:22:10 PM	50586

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

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

Page 9 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-5 1Ft

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 1:25:00 PM

Lab ID: 2002910-010

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 10:51:35 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/25/2020 2:46:14 AM	50593
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/25/2020 2:46:14 AM	50593
Surr: DNOP	76.4	55.1-146		%Rec	1	2/25/2020 2:46:14 AM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/24/2020 10:45:29 PM	50586
Surr: BFB	79.6	66.6-105		%Rec	1	2/24/2020 10:45:29 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/24/2020 10:45:29 PM	50586
Toluene	ND	0.047		mg/Kg	1	2/24/2020 10:45:29 PM	50586
Ethylbenzene	ND	0.047		mg/Kg	1	2/24/2020 10:45:29 PM	50586
Xylenes, Total	ND	0.093		mg/Kg	1	2/24/2020 10:45:29 PM	50586
Surr: 4-Bromofluorobenzene	86.2	80-120		%Rec	1	2/24/2020 10:45:29 PM	50586

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

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

Page 10 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-6 Surface

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 1:35:00 PM

Lab ID: 2002910-011

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 11:03:56 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	150	19		mg/Kg	2	2/26/2020 11:18:51 PM	50593
Motor Oil Range Organics (MRO)	170	96		mg/Kg	2	2/26/2020 11:18:51 PM	50593
Surr: DNOP	89.4	55.1-146		%Rec	2	2/26/2020 11:18:51 PM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2020 11:08:47 PM	50586
Surr: BFB	79.4	66.6-105		%Rec	1	2/24/2020 11:08:47 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 11:08:47 PM	50586
Toluene	ND	0.048		mg/Kg	1	2/24/2020 11:08:47 PM	50586
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2020 11:08:47 PM	50586
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2020 11:08:47 PM	50586
Surr: 4-Bromofluorobenzene	85.7	80-120		%Rec	1	2/24/2020 11:08:47 PM	50586

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

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

Page 11 of 17

Analytical Report

Lab Order 2002910

Date Reported: 2/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-6 1Ft

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Collection Date: 2/17/2020 1:40:00 PM

Lab ID: 2002910-012

Matrix: SOIL

Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	2/24/2020 11:16:16 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/25/2020 3:30:10 AM	50593
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/25/2020 3:30:10 AM	50593
Surr: DNOP	68.9	55.1-146		%Rec	1	2/25/2020 3:30:10 AM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2020 11:32:06 PM	50586
Surr: BFB	80.2	66.6-105		%Rec	1	2/24/2020 11:32:06 PM	50586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2020 11:32:06 PM	50586
Toluene	ND	0.048		mg/Kg	1	2/24/2020 11:32:06 PM	50586
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2020 11:32:06 PM	50586
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2020 11:32:06 PM	50586
Surr: 4-Bromofluorobenzene	87.8	80-120		%Rec	1	2/24/2020 11:32:06 PM	50586

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

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

Page 12 of 17

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2002910

28-Feb-20

Client: Safety & Environmental Solutions

Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Sample ID: MB-50639		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 50639		RunNo: 66754						
Prep Date: 2/24/2020		Analysis Date: 2/24/2020		SeqNo: 2295479			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-50639		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 50639		RunNo: 66754						
Prep Date: 2/24/2020		Analysis Date: 2/24/2020		SeqNo: 2295481			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	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 Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2002910

28-Feb-20

Client: Safety & Environmental Solutions
Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Sample ID: 2002910-007AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-4 Surface	Batch ID: 50593	RunNo: 66740								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2295372 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.1	45.62	2.768	97.6	47.4	136			
Surr: DNOP	3.4		4.562		73.9	55.1	146			

Sample ID: 2002910-007AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-4 Surface	Batch ID: 50593	RunNo: 66740								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2295374 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.9	49.41	2.768	95.7	47.4	136	5.71	43.4	
Surr: DNOP	3.5		4.941		71.1	55.1	146	0	0	

Sample ID: LCS-50592	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50592	RunNo: 66740								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2295413 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.8	70	130			
Surr: DNOP	3.6		5.000		71.8	55.1	146			

Sample ID: LCS-50593	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50593	RunNo: 66740								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2295415 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	3.8		5.000		76.7	55.1	146			

Sample ID: MB-50592	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50592	RunNo: 66740								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2295419 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	8.2		10.00		81.9	55.1	146			

Qualifiers:

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

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

Page 14 of 17

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

WO#: 2002910

28-Feb-20

Client: Safety & Environmental Solutions
Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Sample ID: MB-50593	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50593	RunNo: 66740								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2295421 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	8.4		10.00		84.3	55.1	146			

Sample ID: LCS-50681	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50681	RunNo: 66803								
Prep Date: 2/26/2020	Analysis Date: 2/26/2020	SeqNo: 2297105 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		90.3	55.1	146			

Sample ID: MB-50681	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50681	RunNo: 66803								
Prep Date: 2/26/2020	Analysis Date: 2/26/2020	SeqNo: 2297106 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		99.1	55.1	146			

Sample ID: LCS-50643	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50643	RunNo: 66803								
Prep Date: 2/25/2020	Analysis Date: 2/26/2020	SeqNo: 2297433 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	55.1	146			

Sample ID: MB-50643	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50643	RunNo: 66803								
Prep Date: 2/25/2020	Analysis Date: 2/26/2020	SeqNo: 2297434 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		120	55.1	146			

Qualifiers:

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

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

Page 15 of 17

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

WO#: 2002910

28-Feb-20

Client: Safety & Environmental Solutions
Project: Big Sink Draw 25 2 RP-4194 2RP-4415

Sample ID: mb-50586	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294758 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	800		1000		80.2	66.6	105			

Sample ID: lcs-50586	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294759 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.7	80	120			
Surr: BFB	930		1000		93.0	66.6	105			

Sample ID: 2002910-002ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: AH-1 1Ft	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294762 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.93	0	84.8	69.1	142			
Surr: BFB	900		997.0		89.9	66.6	105			

Sample ID: 2002910-002amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: AH-1 1Ft	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294763 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.8	24.04	0	77.4	69.1	142	12.8	20	
Surr: BFB	870		961.5		90.8	66.6	105	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2002910

28-Feb-20

Client: Safety & Environmental Solutions**Project:** Big Sink Draw 25 2 RP-4194 2RP-4415

Sample ID: mb-50586	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294795 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	80	120			

Sample ID: LCS-50586	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294796 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.3	80	120			

Sample ID: 2002910-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: AH-1 Surface	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294798 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.023	0.9381	0	85.1	78.5	119			
Toluene	0.84	0.047	0.9381	0.01259	88.1	75.7	123			
Ethylbenzene	0.87	0.047	0.9381	0.01369	91.8	74.3	126			
Xylenes, Total	2.6	0.094	2.814	0.01893	92.6	72.9	130			
Surr: 4-Bromofluorobenzene	0.88		0.9381		93.4	80	120			

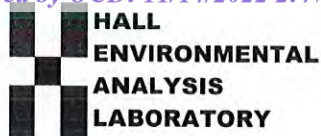
Sample ID: 2002910-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: AH-1 Surface	Batch ID: 50586	RunNo: 66747								
Prep Date: 2/21/2020	Analysis Date: 2/24/2020	SeqNo: 2294799 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9569	0	86.2	78.5	119	3.30	20	
Toluene	0.87	0.048	0.9569	0.01259	89.8	75.7	123	3.83	20	
Ethylbenzene	0.90	0.048	0.9569	0.01369	92.2	74.3	126	2.39	20	
Xylenes, Total	2.7	0.096	2.871	0.01893	93.6	72.9	130	3.10	20	
Surr: 4-Bromofluorobenzene	0.92		0.9569		95.7	80	120	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Page 17 of 17



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: 2002910

RcptNo: 1

Received By: Juan Rojas

2/21/2020 8:00:00 AM

Completed By: Erin Melendrez

2/21/2020 8:36:10 AM

Reviewed By: Y6 2/21/20

uug

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 $>0^{\circ}\text{C}$ 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: YR 2/21/20

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good				
2	0.1	Good				

Chain-of-Custody Record

Client:

SESE

Turn-Around Time:

5 day

☒ Standard☐ Rush

Project Name:

Big Snakes Draw 25
2RP-494 & 2RP-4415

Project #:

DEV-20-010

Mailing Address:

203 E. Clinton

Hobbs NM 88240

Phone #:

575-397-0510

email or Fax#:

QA/QC Package:

☒ Standard☐ Level 4 (Full Validation)

Accreditation

☐ NELAP☐ Other☐ EDD (Type)

Project Manager:

Allen, Bob

Sampler:

S. J. J.

On Ice:

☒ Yes ☐ No

Sample Temperature:

2.6-0-2.6

Date

Time

Matrix

Sample Request ID

Container Type and #

Preservative Type

HEAL No.

02/17 1215 S AH-1 Surface

1225 S AH-1 1 FT

1235 S AH-2 Surface

1236 S AH-2 1 FT

1245 S AH-3 Surface

1247 S AH-3 1 FT

1305 S AH-4 Surface

1310 S AH-4 1 FT

1315 S AH-5 Surface

1325 S AH-5 1 FT

1335 S AH-6 Surface

02/17 1340 S AH-6 1 FT

Date:

Time:

Relinquished by:

Received by:

Date

Time

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time

2/20/20 8:00

Remarks:

2/20/20 0730

Date

Time



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

February 27, 2020

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

RE: Big Sinks Draw 25 2RP 4602 and 2RP 4687

OrderNo.: 2002912

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 8 sample(s) on 2/21/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 Surface

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 11:20:00 AM

Lab ID: 2002912-001

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 4:07:59 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/25/2020 6:10:24 PM	50593
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/25/2020 6:10:24 PM	50593
Surr: DNOP	107	55.1-146		%Rec	1	2/25/2020 6:10:24 PM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2020 12:54:35 PM	50588
Surr: BFB	83.8	66.6-105		%Rec	1	2/25/2020 12:54:35 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/25/2020 12:54:35 PM	50588
Toluene	ND	0.046		mg/Kg	1	2/25/2020 12:54:35 PM	50588
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2020 12:54:35 PM	50588
Xylenes, Total	ND	0.092		mg/Kg	1	2/25/2020 12:54:35 PM	50588
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	2/25/2020 12:54:35 PM	50588

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

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

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 1ft

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 11:25:00 AM

Lab ID: 2002912-002

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 4:20:21 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/25/2020 6:32:18 PM	50593
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/25/2020 6:32:18 PM	50593
Surr: DNOP	111	55.1-146		%Rec	1	2/25/2020 6:32:18 PM	50593
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2020 1:17:59 PM	50588
Surr: BFB	85.4	66.6-105		%Rec	1	2/25/2020 1:17:59 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/25/2020 1:17:59 PM	50588
Toluene	ND	0.047		mg/Kg	1	2/25/2020 1:17:59 PM	50588
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2020 1:17:59 PM	50588
Xylenes, Total	ND	0.093		mg/Kg	1	2/25/2020 1:17:59 PM	50588
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	2/25/2020 1:17:59 PM	50588

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

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

Page 2 of 13

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 Surface

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 11:35:00 AM

Lab ID: 2002912-003

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 4:32:43 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/25/2020 6:54:28 PM	50613
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/25/2020 6:54:28 PM	50613
Surr: DNOP	104	55.1-146		%Rec	1	2/25/2020 6:54:28 PM	50613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2020 1:41:23 PM	50588
Surr: BFB	82.3	66.6-105		%Rec	1	2/25/2020 1:41:23 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/25/2020 1:41:23 PM	50588
Toluene	ND	0.046		mg/Kg	1	2/25/2020 1:41:23 PM	50588
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2020 1:41:23 PM	50588
Xylenes, Total	ND	0.092		mg/Kg	1	2/25/2020 1:41:23 PM	50588
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	2/25/2020 1:41:23 PM	50588

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

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

Page 3 of 13

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 1ft

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 11:40:00 AM

Lab ID: 2002912-004

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 4:45:05 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/25/2020 8:43:21 PM	50613
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/25/2020 8:43:21 PM	50613
Surr: DNOP	109	55.1-146		%Rec	1	2/25/2020 8:43:21 PM	50613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2020 2:04:50 PM	50588
Surr: BFB	82.3	66.6-105		%Rec	1	2/25/2020 2:04:50 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2020 2:04:50 PM	50588
Toluene	ND	0.048		mg/Kg	1	2/25/2020 2:04:50 PM	50588
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2020 2:04:50 PM	50588
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2020 2:04:50 PM	50588
Surr: 4-Bromofluorobenzene	89.9	80-120		%Rec	1	2/25/2020 2:04:50 PM	50588

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

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

Page 4 of 13

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 Surface

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 11:50:00 AM

Lab ID: 2002912-005

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 4:57:27 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/25/2020 9:05:13 PM	50613
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/25/2020 9:05:13 PM	50613
Surr: DNOP	113	55.1-146		%Rec	1	2/25/2020 9:05:13 PM	50613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2020 2:28:19 PM	50588
Surr: BFB	83.5	66.6-105		%Rec	1	2/25/2020 2:28:19 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2020 2:28:19 PM	50588
Toluene	ND	0.048		mg/Kg	1	2/25/2020 2:28:19 PM	50588
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2020 2:28:19 PM	50588
Xylenes, Total	ND	0.095		mg/Kg	1	2/25/2020 2:28:19 PM	50588
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	2/25/2020 2:28:19 PM	50588

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

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

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 1ft

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 11:55:00 AM

Lab ID: 2002912-006

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 5:09:48 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/25/2020 9:27:09 PM	50613
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/25/2020 9:27:09 PM	50613
Surr: DNOP	104	55.1-146		%Rec	1	2/25/2020 9:27:09 PM	50613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2020 3:38:48 PM	50588
Surr: BFB	86.1	66.6-105		%Rec	1	2/25/2020 3:38:48 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2020 3:38:48 PM	50588
Toluene	ND	0.049		mg/Kg	1	2/25/2020 3:38:48 PM	50588
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2020 3:38:48 PM	50588
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2020 3:38:48 PM	50588
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	2/25/2020 3:38:48 PM	50588

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

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

Page 6 of 13

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 Surface

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 1:55:00 PM

Lab ID: 2002912-007

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 5:22:08 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	94	9.7		mg/Kg	1	2/25/2020 9:49:06 PM	50613
Motor Oil Range Organics (MRO)	100	49		mg/Kg	1	2/25/2020 9:49:06 PM	50613
Surr: DNOP	101	55.1-146		%Rec	1	2/25/2020 9:49:06 PM	50613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2020 4:02:10 PM	50588
Surr: BFB	82.7	66.6-105		%Rec	1	2/25/2020 4:02:10 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2020 4:02:10 PM	50588
Toluene	ND	0.048		mg/Kg	1	2/25/2020 4:02:10 PM	50588
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2020 4:02:10 PM	50588
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2020 4:02:10 PM	50588
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	2/25/2020 4:02:10 PM	50588

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

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

Page 7 of 13

Analytical Report

Lab Order 2002912

Date Reported: 2/27/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 1ft

Project: Big Sinks Draw 25 2RP 4602 and 2RP 46

Collection Date: 2/17/2020 2:00:00 PM

Lab ID: 2002912-008

Matrix: SOIL

Received Date: 2/21/2020 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	2/25/2020 5:34:31 PM	50651
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/25/2020 10:10:55 PM	50613
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/25/2020 10:10:55 PM	50613
Surr: DNOP	97.4	55.1-146		%Rec	1	2/25/2020 10:10:55 PM	50613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2020 4:25:40 PM	50588
Surr: BFB	85.3	66.6-105		%Rec	1	2/25/2020 4:25:40 PM	50588
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2020 4:25:40 PM	50588
Toluene	ND	0.048		mg/Kg	1	2/25/2020 4:25:40 PM	50588
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2020 4:25:40 PM	50588
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2020 4:25:40 PM	50588
Surr: 4-Bromofluorobenzene	94.7	80-120		%Rec	1	2/25/2020 4:25:40 PM	50588

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

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

Page 8 of 13

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

WO#: 2002912

27-Feb-20

Client: Safety & Environmental Solutions**Project:** Big Sinks Draw 25 2RP 4602 and 2RP 4687

Sample ID: MB-50651	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 50651	RunNo: 66788								
Prep Date: 2/25/2020	Analysis Date: 2/25/2020	SeqNo: 2297114	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-50651	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 50651	RunNo: 66788								
Prep Date: 2/25/2020	Analysis Date: 2/25/2020	SeqNo: 2297115	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

Qualifiers:

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

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

Page 9 of 13

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

WO#: 2002912

27-Feb-20

Client: Safety & Environmental Solutions**Project:** Big Sinks Draw 25 2RP 4602 and 2RP 4687

Sample ID: LCS-50593	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 50593			RunNo: 66740						
Prep Date: 2/21/2020	Analysis Date: 2/25/2020			SeqNo: 2295415		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	3.8		5.000		76.7	55.1	146			

Sample ID: MB-50593	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 50593			RunNo: 66740						
Prep Date: 2/21/2020	Analysis Date: 2/25/2020			SeqNo: 2295421		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	8.4		10.00		84.3	55.1	146			

Sample ID: LCS-50613	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 50613			RunNo: 66776						
Prep Date: 2/24/2020	Analysis Date: 2/25/2020			SeqNo: 2295573		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.4	70	130			
Surr: DNOP	4.3		5.000		85.3	55.1	146			

Sample ID: MB-50613	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 50613			RunNo: 66776						
Prep Date: 2/24/2020	Analysis Date: 2/25/2020			SeqNo: 2295575		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	10		10.00		102	55.1	146			

Sample ID: 2002912-003AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: AH-2 Surface	Batch ID: 50613			RunNo: 66740						
Prep Date: 2/24/2020	Analysis Date: 2/25/2020			SeqNo: 2296994		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.5	47.53	3.642	91.9	47.4	136			
Surr: DNOP	4.8		4.753		101	55.1	146			

Qualifiers:

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

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

Page 10 of 13

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2002912

27-Feb-20

Client: Safety & Environmental Solutions

Project: Big Sinks Draw 25 2RP 4602 and 2RP 4687

Sample ID: 2002912-003AMSD		SampType: MSD			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: AH-2 Surface		Batch ID: 50613			RunNo: 66740					
Prep Date: 2/24/2020		Analysis Date: 2/25/2020			SeqNo: 2296995		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	9.6	47.80	3.642	112	47.4	136	18.9	43.4	
Surr: DNOP	5.8		4.780		121	55.1	146	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 Quantitative Limit

S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2002912

27-Feb-20

Client: Safety & Environmental Solutions**Project:** Big Sinks Draw 25 2RP 4602 and 2RP 4687

Sample ID: mb-50588	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 50588	RunNo: 66771								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2296837 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	830		1000		83.5	66.6	105			

Sample ID: lcs-50588	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 50588	RunNo: 66771								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2296838 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	94.8	80	120			
Surr: BFB	950		1000		94.7	66.6	105			

Sample ID: mb-50628	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 50628	RunNo: 66771								
Prep Date: 2/24/2020	Analysis Date: 2/25/2020	SeqNo: 2296862 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	850		1000		85.0	66.6	105			

Sample ID: lcs-50628	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 50628	RunNo: 66771								
Prep Date: 2/24/2020	Analysis Date: 2/25/2020	SeqNo: 2296863 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.2	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2002912

27-Feb-20

Client: Safety & Environmental Solutions**Project:** Big Sinks Draw 25 2RP 4602 and 2RP 4687

Sample ID: mb-50588	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 50588	RunNo: 66771								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2296886 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.3	80	120			

Sample ID: LCS-50588	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 50588	RunNo: 66771								
Prep Date: 2/21/2020	Analysis Date: 2/25/2020	SeqNo: 2296887 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.1	80	120			
Toluene	0.96	0.050	1.000	0	95.7	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.6	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.0	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.1	80	120			

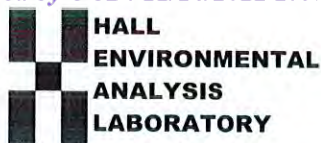
Sample ID: mb-50628	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 50628	RunNo: 66771								
Prep Date: 2/24/2020	Analysis Date: 2/25/2020	SeqNo: 2296910 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	80	120			

Sample ID: LCS-50628	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 50628	RunNo: 66771								
Prep Date: 2/24/2020	Analysis Date: 2/25/2020	SeqNo: 2296911 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	80	120			

Qualifiers:

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

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



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

Sample Log-In Check List

Client Name: Safety Env Solutions

Work Order Number: 2002912

RcptNo: 1

Received By: Juan Rojas

2/21/2020 8:00:00 AM

Completed By: Isaiah Ortiz

2/21/2020 8:46:19 AM

Reviewed By:

YB 2/21/20

I-OK

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 $>0^{\circ}\text{C}$ 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: JR 2/21/20

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good	Not Present			
2	0.1	Good	Not Present			

Chain-of-Custody Record

Client:

SESE

Mailing Address:

703 E. Clinton

Phone #:

606 bps N.W. 88240

email or Fax#:

575-397-0510

QA/QC Package:

☒ Standard☐ Level 4 (Full Validation)

Accreditation

☐ NELAP☐ Other☐ EDD (Type)

Sample Temperature: 2.6-0=2.6

Preservative Type

HEAL No.

0.1-0=0.1

2002912

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

-012

-013

-014

-015

-016

-017

-018

-019

-020

-021

-022

-023

-024

-025

-026

-027

-028

-029

-030

-031

-032

-033

-034

-035

-036

-037

-038

-039

-040

-041

-042

-043

-044

-045

-046

-047

-048

-049

-050

-051

-052

-053

-054

-055

-056

-057

-058

-059

-060

-061

-062

-063

-064

-065

-066

-067

-068

-069

-070

-071

-072

-073

-074

-075

-076

-077

-078

-079

-080

-081

-082

-083

-084

-085

-086

-087

-088

-089

-090

-091

-092

-093

-094

-095

-096

-097

-098

-099

-100

-101

-102

-103

-104

-105

-106

-107

-108

-109

-110

-111

-112

-113

-114

-115

-116

-117

-118

-119

-120

-121

-122

-123

-124

-125

-126

-127

-128

-129

-130

-131

-132

-133

-134

-135

-136

-137

-138

-139

-140

-141

-142

-143

-144

-145

-146

-147

-148

-149

-150

-151

-152

-153

-154

-155

-156

-157

-158

-159

-160

-161

-162

-163

-164

-165

-166

-167

-168

-169

-170

-171

-172

-173

-174

-175

-176

-177

-178

-179

-180

-181

-182

-183

-184

-185

-186

-187

-188

-189

-190

-191

-192

-193

-194

-195

-196

-197

-198

-199

-200

-201

-202

-203

-204

-205

-206

-207

-208

-209

-210

-211

-212

-213

-214

-215

-216

-217

-218

-219

-220

-221

-222

-223

-224

-225

-226

-227

-228

-229

-230

-231

-232

-233

-234

-235

-236

-237

-238

-239

-240

-241

-242

-243

-244

-245

-246

-247

-248

-249

-250

-251

-252

-253

-254

-255

-256

-257

-258

-259

-260

-261

-262

-263

-264

-265

-266

-267

-268

-269

-270

-271

-272

-273

-274

-275

-276

-277

-278

-279

-280

-281

-282

-283

-284

-285

-286

-287

-288

-289

-290

-291

-292

-293

-294

-295

-296

-297

-298

-299

-300

-301

-302

-303

-304

-305

-306

-307

-308

-309

-310

-311

-312

-313

-314

-315

-316

-317

-318

-319

-320

-321

-322

-323

-324

-325

-326

-327

-328

-329

-330

-331

-332

-333

-334

-335

-336

-337

-338

-339



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

October 19, 2020

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

RE: Devon Big Sinks Draw 25 Fed Com 1 H Battery 2RP 4194

OrderNo.: 2010510

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 7 sample(s) on 10/9/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-7 South

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/6/2020 11:00:00 AM

Lab ID: 2010510-001

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/15/2020 11:03:39 AM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	10	9.8		mg/Kg	1	10/13/2020 1:48:44 PM	55771
Motor Oil Range Organics (MRO)	75	49		mg/Kg	1	10/13/2020 1:48:44 PM	55771
Surr: DNOP	107	30.4-154		%Rec	1	10/13/2020 1:48:44 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 2:00:23 PM	55766
Surr: BFB	97.2	75.3-105		%Rec	1	10/12/2020 2:00:23 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 2:00:23 PM	55766
Toluene	ND	0.049		mg/Kg	1	10/12/2020 2:00:23 PM	55766
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 2:00:23 PM	55766
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 2:00:23 PM	55766
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	10/12/2020 2:00:23 PM	55766

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

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

Page 1 of 11

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-8 South East

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/6/2020 11:35:00 AM

Lab ID: 2010510-002

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	65	60		mg/Kg	20	10/15/2020 11:40:52 AM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/14/2020 1:37:05 PM	55771
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/14/2020 1:37:05 PM	55771
Surr: DNOP	89.4	30.4-154		%Rec	1	10/14/2020 1:37:05 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2020 2:23:47 PM	55766
Surr: BFB	95.7	75.3-105		%Rec	1	10/12/2020 2:23:47 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 2:23:47 PM	55766
Toluene	ND	0.050		mg/Kg	1	10/12/2020 2:23:47 PM	55766
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2020 2:23:47 PM	55766
Xylenes, Total	ND	0.10		mg/Kg	1	10/12/2020 2:23:47 PM	55766
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	10/12/2020 2:23:47 PM	55766

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

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

Page 2 of 11

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-9 East

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/6/2020 12:05:00 PM

Lab ID: 2010510-003

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	63	60		mg/Kg	20	10/15/2020 11:53:16 AM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/14/2020 2:00:57 PM	55771
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/14/2020 2:00:57 PM	55771
Surr: DNOP	81.5	30.4-154		%Rec	1	10/14/2020 2:00:57 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2020 2:47:16 PM	55766
Surr: BFB	97.1	75.3-105		%Rec	1	10/12/2020 2:47:16 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 2:47:16 PM	55766
Toluene	ND	0.050		mg/Kg	1	10/12/2020 2:47:16 PM	55766
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2020 2:47:16 PM	55766
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 2:47:16 PM	55766
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	10/12/2020 2:47:16 PM	55766

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

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

Page 3 of 11

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-10 North East

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/6/2020 12:40:00 PM

Lab ID: 2010510-004

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/15/2020 12:05:41 PM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	11	9.6		mg/Kg	1	10/13/2020 3:01:20 PM	55771
Motor Oil Range Organics (MRO)	68	48		mg/Kg	1	10/13/2020 3:01:20 PM	55771
Surr: DNOP	81.0	30.4-154		%Rec	1	10/13/2020 3:01:20 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/12/2020 3:10:41 PM	55766
Surr: BFB	98.7	75.3-105		%Rec	1	10/12/2020 3:10:41 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/12/2020 3:10:41 PM	55766
Toluene	ND	0.048		mg/Kg	1	10/12/2020 3:10:41 PM	55766
Ethylbenzene	ND	0.048		mg/Kg	1	10/12/2020 3:10:41 PM	55766
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2020 3:10:41 PM	55766
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	10/12/2020 3:10:41 PM	55766

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

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

Page 4 of 11

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-11 North

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/7/2020 11:30:00 AM

Lab ID: 2010510-005

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/15/2020 12:18:05 PM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/14/2020 2:24:50 PM	55771
Motor Oil Range Organics (MRO)	57	48		mg/Kg	1	10/14/2020 2:24:50 PM	55771
Surr: DNOP	97.0	30.4-154		%Rec	1	10/14/2020 2:24:50 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 4:44:49 PM	55766
Surr: BFB	99.1	75.3-105		%Rec	1	10/12/2020 4:44:49 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 4:44:49 PM	55766
Toluene	ND	0.049		mg/Kg	1	10/12/2020 4:44:49 PM	55766
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 4:44:49 PM	55766
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 4:44:49 PM	55766
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	10/12/2020 4:44:49 PM	55766

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

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

Page 5 of 11

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-12 North West

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/7/2020 11:55:00 AM

Lab ID: 2010510-006

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/15/2020 12:30:30 PM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/14/2020 2:48:39 PM	55771
Motor Oil Range Organics (MRO)	51	47		mg/Kg	1	10/14/2020 2:48:39 PM	55771
Surr: DNOP	92.3	30.4-154		%Rec	1	10/14/2020 2:48:39 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2020 5:08:14 PM	55766
Surr: BFB	100	75.3-105		%Rec	1	10/12/2020 5:08:14 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 5:08:14 PM	55766
Toluene	ND	0.050		mg/Kg	1	10/12/2020 5:08:14 PM	55766
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2020 5:08:14 PM	55766
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 5:08:14 PM	55766
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	10/12/2020 5:08:14 PM	55766

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

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

Page 6 of 11

Analytical Report

Lab Order 2010510

Date Reported: 10/19/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-13 West

Project: Devon Big Sinks Draw 25 Fed Com 1 H

Collection Date: 10/7/2020 12:15:00 PM

Lab ID: 2010510-007

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	65	60		mg/Kg	20	10/15/2020 1:07:43 PM	55848
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/14/2020 3:12:28 PM	55771
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/14/2020 3:12:28 PM	55771
Surr: DNOP	86.4	30.4-154		%Rec	1	10/14/2020 3:12:28 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 5:31:46 PM	55766
Surr: BFB	96.7	75.3-105		%Rec	1	10/12/2020 5:31:46 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 5:31:46 PM	55766
Toluene	ND	0.049		mg/Kg	1	10/12/2020 5:31:46 PM	55766
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 5:31:46 PM	55766
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 5:31:46 PM	55766
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	10/12/2020 5:31:46 PM	55766

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

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

Page 7 of 11

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010510

19-Oct-20

Client: Safety & Environmental Solutions

Project: Devon Big Sinks Draw 25 Fed Com 1 H Battery

Sample ID: MB-55848	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 55848	RunNo: 72692
Prep Date: 10/15/2020	Analysis Date: 10/15/2020	SeqNo: 2553253 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-55848	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 55848	RunNo: 72692
Prep Date: 10/15/2020	Analysis Date: 10/15/2020	SeqNo: 2553254 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 93.9 90 110

Qualifiers:

- * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2010510

19-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1 H Battery

Sample ID: LCS-55771	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 55771			RunNo: 72618						
Prep Date: 10/12/2020	Analysis Date: 10/13/2020			SeqNo: 2550264	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	70	130			
Surr: DNOP	4.7		5.000		94.3	30.4	154			

Sample ID: MB-55771	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 55771			RunNo: 72618						
Prep Date: 10/12/2020	Analysis Date: 10/13/2020			SeqNo: 2550265	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		106	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Page 9 of 11

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

WO#: 2010510

19-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1 H Battery

Sample ID: mb-55766	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548929	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	980		1000		98.3	75.3	105			

Sample ID: lcs-55766	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548930	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.0	72.5	106			
Surr: BFB	1100		1000		108	75.3	105			S

Qualifiers:

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

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

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

WO#: 2010510

19-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1 H Battery

Sample ID: mb-55766	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548956	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		100	80	120			

Sample ID: LCS-55766	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548957	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.5	80	120			
Toluene	0.92	0.050	1.000	0	91.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

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

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

Page 11 of 11



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions

Work Order Number: 2010510

RcptNo: 1

Received By: Cheyenne Cason

10/9/2020 8:00:00 AM

Completed By: Juan Rojas

10/9/2020 8:50:24 AM

Reviewed By: *cm*

10/9/20

Juan Rojas

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 $>0^{\circ}\text{C}$ 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? Yes ☒ No ☐
(Note discrepancies on chain of custody)
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? Yes ☒ No ☐
(If no, notify customer for authorization.)

of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted? ☐

Checked by: *JRC 10/9/20*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good				

[illegible]

Turn-Around Time:	5 Days		
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush		
Project Name:	Debon Big Snaks Down 25 Feb Cam 104 Battery 2 RP-4194		
Project #:	Dev-20-010		
Project Manager:	Allen Bob		
Sampler:	Son-fun		
On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
# of Coolers:	1		
Cooler Temp (including CF):	9.0 - 0.2 = 4.8 (°C)		
Container Type and #	Preservative Type	HEAL No.	
1	For	2010510	
1	For	-001	
1	For	-002	
1		-003	
1		-004	
1		-005	
1		-006	
1		-007	
Received by:	Via:	Date	Time
Wimmering		10/8/20	1120
Received by:	Via:	Date	Time
Don Cam		10/9/20	0800

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

Analysis Request

[illegible]

Remarks:

Bill to Devan



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

October 15, 2020

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

RE: Devon Big Sinks Drew 25 Fed Com 1H Battery

OrderNo.: 2010509

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 10/9/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2010509

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-1 North

Project: Devon Big Sinks Drew 25 Fed Com 1H

Collection Date: 10/6/2020 9:15:00 AM

Lab ID: 2010509-001

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	61	60		mg/Kg	20	10/14/2020 10:41:18 PM	55839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/14/2020 10:28:58 AM	55771
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/14/2020 10:28:58 AM	55771
Surr: DNOP	90.9	30.4-154		%Rec	1	10/14/2020 10:28:58 AM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2020 10:52:00 AM	55766
Surr: BFB	97.3	75.3-105		%Rec	1	10/12/2020 10:52:00 AM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 10:52:00 AM	55766
Toluene	ND	0.050		mg/Kg	1	10/12/2020 10:52:00 AM	55766
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2020 10:52:00 AM	55766
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 10:52:00 AM	55766
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	10/12/2020 10:52:00 AM	55766

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

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

Analytical Report

Lab Order 2010509

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-2 West

Project: Devon Big Sinks Drew 25 Fed Com 1H

Collection Date: 10/6/2020 9:40:00 AM

Lab ID: 2010509-002

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	62	60		mg/Kg	20	10/14/2020 10:53:42 PM	55839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/14/2020 12:02:42 PM	55771
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/14/2020 12:02:42 PM	55771
Surr: DNOP	96.8	30.4-154		%Rec	1	10/14/2020 12:02:42 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 12:02:39 PM	55766
Surr: BFB	99.4	75.3-105		%Rec	1	10/12/2020 12:02:39 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 12:02:39 PM	55766
Toluene	ND	0.049		mg/Kg	1	10/12/2020 12:02:39 PM	55766
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 12:02:39 PM	55766
Xylenes, Total	ND	0.098		mg/Kg	1	10/12/2020 12:02:39 PM	55766
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	10/12/2020 12:02:39 PM	55766

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

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

Page 2 of 8

Analytical Report

Lab Order 2010509

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-3 South

Project: Devon Big Sinks Drew 25 Fed Com 1H

Collection Date: 10/6/2020 10:05:00 AM

Lab ID: 2010509-003

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	61	60		mg/Kg	20	10/14/2020 11:06:07 PM	55839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/14/2020 12:26:08 PM	55771
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/14/2020 12:26:08 PM	55771
Surr: DNOP	94.0	30.4-154		%Rec	1	10/14/2020 12:26:08 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 1:13:04 PM	55766
Surr: BFB	97.8	75.3-105		%Rec	1	10/12/2020 1:13:04 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/12/2020 1:13:04 PM	55766
Toluene	ND	0.049		mg/Kg	1	10/12/2020 1:13:04 PM	55766
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 1:13:04 PM	55766
Xylenes, Total	ND	0.098		mg/Kg	1	10/12/2020 1:13:04 PM	55766
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	10/12/2020 1:13:04 PM	55766

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

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

Page 3 of 8

Analytical Report

Lab Order 2010509

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-4 East

Project: Devon Big Sinks Drew 25 Fed Com 1H

Collection Date: 10/6/2020 10:35:00 AM

Lab ID: 2010509-004

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	63	60		mg/Kg	20	10/14/2020 11:18:32 PM	55839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/14/2020 12:49:37 PM	55771
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/14/2020 12:49:37 PM	55771
Surr: DNOP	94.9	30.4-154		%Rec	1	10/14/2020 12:49:37 PM	55771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 1:36:38 PM	55766
Surr: BFB	99.7	75.3-105		%Rec	1	10/12/2020 1:36:38 PM	55766
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/12/2020 1:36:38 PM	55766
Toluene	ND	0.049		mg/Kg	1	10/12/2020 1:36:38 PM	55766
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 1:36:38 PM	55766
Xylenes, Total	ND	0.098		mg/Kg	1	10/12/2020 1:36:38 PM	55766
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	10/12/2020 1:36:38 PM	55766

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

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

Page 4 of 8

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010509

15-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Drew 25 Fed Com 1H Battery

Sample ID: MB-55839	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 55839	RunNo: 72666								
Prep Date: 10/14/2020	Analysis Date: 10/14/2020	SeqNo: 2552381	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55839	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55839	RunNo: 72666								
Prep Date: 10/14/2020	Analysis Date: 10/14/2020	SeqNo: 2552382	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

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

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

Page 5 of 8

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

WO#: 2010509

15-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Drew 25 Fed Com 1H Battery

Sample ID: LCS-55771	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55771	RunNo: 72618								
Prep Date: 10/12/2020	Analysis Date: 10/13/2020	SeqNo: 2550264			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	70	130			
Surr: DNOP	4.7		5.000		94.3	30.4	154			

Sample ID: MB-55771	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55771	RunNo: 72618								
Prep Date: 10/12/2020	Analysis Date: 10/13/2020	SeqNo: 2550265			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		106	30.4	154			

Sample ID: 2010509-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: H-1 North	Batch ID: 55771	RunNo: 72640								
Prep Date: 10/12/2020	Analysis Date: 10/14/2020	SeqNo: 2550924			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	35	9.3	46.34	5.976	63.1	15	184			
Surr: DNOP	4.0		4.634		86.2	30.4	154			

Sample ID: 2010509-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: H-1 North	Batch ID: 55771	RunNo: 72640								
Prep Date: 10/12/2020	Analysis Date: 10/14/2020	SeqNo: 2550925			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.4	46.82	5.976	63.3	15	184	1.16	23.9	
Surr: DNOP	4.2		4.682		90.2	30.4	154	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Page 6 of 8

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

WO#: 2010509

15-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Drew 25 Fed Com 1H Battery

Sample ID: mb-55766	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548929 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	980		1000		98.3	75.3	105			

Sample ID: lcs-55766	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548930 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.0	72.5	106			
Surr: BFB	1100		1000		108	75.3	105			S

Sample ID: 2010509-002ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: H-2 West	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548933 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.75	0	91.8	61.3	114			
Surr: BFB	1100		990.1		110	75.3	105			S

Sample ID: 2010509-002amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: H-2 West	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548934 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.27	0	89.3	61.3	114	4.66	20	
Surr: BFB	1100		970.9		108	75.3	105	0	0	S

Qualifiers:

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

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

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

WO#: 2010509

15-Oct-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Drew 25 Fed Com 1H Battery

Sample ID: mb-55766	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548956	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		100	80	120			

Sample ID: LCS-55766	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548957	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.5	80	120			
Toluene	0.92	0.050	1.000	0	91.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: 2010509-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: H-1 North	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548959	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9980	0	89.9	76.3	120			
Toluene	0.94	0.050	0.9980	0.01312	92.7	78.5	120			
Ethylbenzene	0.96	0.050	0.9980	0	96.4	78.1	124			
Xylenes, Total	2.9	0.10	2.994	0	96.6	79.3	125			
Surr: 4-Bromofluorobenzene	1.0		0.9980		103	80	120			

Sample ID: 2010509-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: H-1 North	Batch ID: 55766	RunNo: 72598								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2548960	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.024	0.9747	0	86.8	76.3	120	5.85	20	
Toluene	0.89	0.049	0.9747	0.01312	89.5	78.5	120	5.83	20	
Ethylbenzene	0.90	0.049	0.9747	0	92.7	78.1	124	6.33	20	
Xylenes, Total	2.7	0.097	2.924	0	92.7	79.3	125	6.50	20	
Surr: 4-Bromofluorobenzene	1.0		0.9747		102	80	120	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions

Work Order Number: 2010509

RcptNo: 1

Received By: **Cheyenne Cason**

10/9/2020 8:00:00 AM

Completed By: **Juan Rojas**

10/9/2020 8:44:04 AM

Reviewed By: *Ch*

10/9/02

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 10. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
- # of preserved bottles checked for pH: (<2 Adjusted?)

Checked by: _____

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good				

HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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

October 15, 2020

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

RE: Devon Big Sinks Draw 25 Fed Com 1H Batt 2RP 4687

OrderNo.: 2010506

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/9/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2010506

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-5 North

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/7/2020 12:55:00 PM

Lab ID: 2010506-001

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/14/2020 9:02:03 PM	55839
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 4:33:47 AM	55760
Surr: BFB	102	70-130		%Rec	1	10/12/2020 4:33:47 AM	55760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/13/2020 3:08:48 AM	55765
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2020 3:08:48 AM	55765
Surr: DNOP	99.4	30.4-154		%Rec	1	10/13/2020 3:08:48 AM	55765
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	10/12/2020 4:33:47 AM	55760
Toluene	ND	0.049		mg/Kg	1	10/12/2020 4:33:47 AM	55760
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 4:33:47 AM	55760
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2020 4:33:47 AM	55760
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%Rec	1	10/12/2020 4:33:47 AM	55760
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/12/2020 4:33:47 AM	55760
Surr: Dibromofluoromethane	108	70-130		%Rec	1	10/12/2020 4:33:47 AM	55760
Surr: Toluene-d8	98.3	70-130		%Rec	1	10/12/2020 4:33:47 AM	55760

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

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

Page 1 of 10

Analytical Report

Lab Order 2010506

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-6 West

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/7/2020 1:15:00 PM

Lab ID: 2010506-002

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/14/2020 9:14:27 PM	55839
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 5:02:17 AM	55760
Surr: BFB	104	70-130		%Rec	1	10/12/2020 5:02:17 AM	55760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/13/2020 3:32:27 AM	55765
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/13/2020 3:32:27 AM	55765
Surr: DNOP	95.1	30.4-154		%Rec	1	10/13/2020 3:32:27 AM	55765
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	10/12/2020 5:02:17 AM	55760
Toluene	ND	0.049		mg/Kg	1	10/12/2020 5:02:17 AM	55760
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 5:02:17 AM	55760
Xylenes, Total	ND	0.098		mg/Kg	1	10/12/2020 5:02:17 AM	55760
Surr: 1,2-Dichloroethane-d4	87.3	70-130		%Rec	1	10/12/2020 5:02:17 AM	55760
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	10/12/2020 5:02:17 AM	55760
Surr: Dibromofluoromethane	107	70-130		%Rec	1	10/12/2020 5:02:17 AM	55760
Surr: Toluene-d8	98.4	70-130		%Rec	1	10/12/2020 5:02:17 AM	55760

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

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

Page 2 of 10

Analytical Report

Lab Order 2010506

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-7 East

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/7/2020 1:40:00 PM

Lab ID: 2010506-003

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/14/2020 9:26:52 PM	55839
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 5:30:51 AM	55760
Surr: BFB	98.0	70-130		%Rec	1	10/12/2020 5:30:51 AM	55760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/13/2020 3:56:08 AM	55765
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2020 3:56:08 AM	55765
Surr: DNOP	97.1	30.4-154		%Rec	1	10/13/2020 3:56:08 AM	55765
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/12/2020 5:30:51 AM	55760
Toluene	ND	0.049		mg/Kg	1	10/12/2020 5:30:51 AM	55760
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 5:30:51 AM	55760
Xylenes, Total	ND	0.098		mg/Kg	1	10/12/2020 5:30:51 AM	55760
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	10/12/2020 5:30:51 AM	55760
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	10/12/2020 5:30:51 AM	55760
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/12/2020 5:30:51 AM	55760
Surr: Toluene-d8	98.1	70-130		%Rec	1	10/12/2020 5:30:51 AM	55760

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

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

Page 3 of 10

Analytical Report

Lab Order 2010506

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-8 West

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/7/2020 2:05:00 PM

Lab ID: 2010506-004

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/14/2020 10:04:04 PM	55839
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 5:59:26 AM	55760
Surr: BFB	104	70-130		%Rec	1	10/12/2020 5:59:26 AM	55760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/13/2020 4:19:47 AM	55765
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2020 4:19:47 AM	55765
Surr: DNOP	84.6	30.4-154		%Rec	1	10/13/2020 4:19:47 AM	55765
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	10/12/2020 5:59:26 AM	55760
Toluene	ND	0.049		mg/Kg	1	10/12/2020 5:59:26 AM	55760
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 5:59:26 AM	55760
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2020 5:59:26 AM	55760
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	10/12/2020 5:59:26 AM	55760
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/12/2020 5:59:26 AM	55760
Surr: Dibromofluoromethane	102	70-130		%Rec	1	10/12/2020 5:59:26 AM	55760
Surr: Toluene-d8	97.8	70-130		%Rec	1	10/12/2020 5:59:26 AM	55760

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

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

Page 4 of 10

Analytical Report

Lab Order 2010506

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-9 East

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/7/2020 2:20:00 PM

Lab ID: 2010506-005

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/14/2020 10:16:29 PM	55839
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2020 6:27:50 AM	55760
Surr: BFB	106	70-130		%Rec	1	10/12/2020 6:27:50 AM	55760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/13/2020 4:43:22 AM	55765
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2020 4:43:22 AM	55765
Surr: DNOP	89.2	30.4-154		%Rec	1	10/13/2020 4:43:22 AM	55765
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	10/12/2020 6:27:50 AM	55760
Toluene	ND	0.049		mg/Kg	1	10/12/2020 6:27:50 AM	55760
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2020 6:27:50 AM	55760
Xylenes, Total	ND	0.098		mg/Kg	1	10/12/2020 6:27:50 AM	55760
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	10/12/2020 6:27:50 AM	55760
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/12/2020 6:27:50 AM	55760
Surr: Dibromofluoromethane	111	70-130		%Rec	1	10/12/2020 6:27:50 AM	55760
Surr: Toluene-d8	103	70-130		%Rec	1	10/12/2020 6:27:50 AM	55760

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

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

Page 5 of 10

Analytical Report

Lab Order 2010506

Date Reported: 10/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-10 South

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/7/2020 2:45:00 PM

Lab ID: 2010506-006

Matrix: SOIL

Received Date: 10/9/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/14/2020 10:28:54 PM	55839
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2020 6:56:23 AM	55760
Surr: BFB	104	70-130		%Rec	1	10/12/2020 6:56:23 AM	55760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/13/2020 5:06:56 AM	55765
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/13/2020 5:06:56 AM	55765
Surr: DNOP	91.8	30.4-154		%Rec	1	10/13/2020 5:06:56 AM	55765
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/12/2020 6:56:23 AM	55760
Toluene	ND	0.050		mg/Kg	1	10/12/2020 6:56:23 AM	55760
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2020 6:56:23 AM	55760
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2020 6:56:23 AM	55760
Surr: 1,2-Dichloroethane-d4	87.4	70-130		%Rec	1	10/12/2020 6:56:23 AM	55760
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/12/2020 6:56:23 AM	55760
Surr: Dibromofluoromethane	102	70-130		%Rec	1	10/12/2020 6:56:23 AM	55760
Surr: Toluene-d8	102	70-130		%Rec	1	10/12/2020 6:56:23 AM	55760

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

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

Page 6 of 10

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2010506
15-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1H Batt 2R

Sample ID: MB-55839	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 55839	RunNo: 72666
Prep Date: 10/14/2020	Analysis Date: 10/14/2020	SeqNo: 2552381 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-55839	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 55839	RunNo: 72666
Prep Date: 10/14/2020	Analysis Date: 10/14/2020	SeqNo: 2552382 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 93.1 90 110

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2010506

15-Oct-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H Batt 2R

Sample ID: MB-55765	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55765	RunNo: 72584								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2549618	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	9.2		10.00		91.8	30.4	154			

Sample ID: LCS-55765	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55765	RunNo: 72584								
Prep Date: 10/10/2020	Analysis Date: 10/12/2020	SeqNo: 2549619	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.6	70	130			
Surr: DNOP	4.1		5.000		83.0	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Page 8 of 10

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

WO#: 2010506

15-Oct-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1H Batt 2R

Sample ID: Ics-55760	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 55760	RunNo: 72577								
Prep Date: 10/10/2020	Analysis Date: 10/11/2020	SeqNo: 2548379	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.8	80	120			
Toluene	1.0	0.050	1.000	0	102	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	0.46		0.5000		91.3	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		105	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.50		0.5000		99.9	70	130			

Sample ID: mb-55760	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 55760	RunNo: 72577								
Prep Date: 10/10/2020	Analysis Date: 10/11/2020	SeqNo: 2548380	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	0.45		0.5000		89.2	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			

Qualifiers:

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

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

Page 9 of 10

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

WO#: 2010506

15-Oct-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H Batt 2R

Sample ID: ics-55760	SampType: LCS				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: 55760				RunNo: 72577					
Prep Date: 10/10/2020	Analysis Date: 10/11/2020				SeqNo: 2548399	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.5	70	130			
Surr: BFB	510		500.0		102	70	130			

Sample ID: mb-55760	SampType: MBLK				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: PBS	Batch ID: 55760				RunNo: 72577					
Prep Date: 10/10/2020	Analysis Date: 10/11/2020				SeqNo: 2548400	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Page 10 of 10



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions

Work Order Number: 2010506

RcptNo: 1

Received By: Cheyenne Cason

10/9/2020 8:00:00 AM

Completed By: **Juan Rojas**

10/9/2020 8:37:26 AM

Reviewed By: *Cve*

16/9/6

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 10. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
- # of preserved bottles checked for pH: (<2 Adjusted?)

Checked by: _____

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good				

Chain-of-Custody Record		Turn-Around Time: <u>5 Days</u>
Client: <u>Safety & Environmental Solutions</u>	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Mailing Address: <u>703 E. Johnston</u>	Project Name: <u>Devon</u>	
<u>1406613 N.W. 88240</u>	<u>599 Sinks Draw 25 Feb Am 1 H</u>	
Phone #: <u>575-397-0570</u>	<u>BAT. ZRP-4687</u>	
	Project #: <u>Dev-20-010</u>	

Turn-Around Time:	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Project Name:	Denver Big Snks Down 25 Feb Am 1H BAC: ZRP-4687
Project #:	Dev-20-010

email or Fax#:	Project Manager: <i>Allen, Bob</i>
QA/QC Package:	
<input checked="" type="checkbox"/> Standard	
<input type="checkbox"/> Level 4 (Full Validation)	
Accreditation:	Sampler: <i>Sn Jones</i>
<input type="checkbox"/> Az Compliance	
<input type="checkbox"/> NELAC	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> EDD (Type) _____	# of Coolers: <i>1</i>

Project Manager: *Bob Allen*

Sampler: *Sn Jerry*

On Ice: ☒ Yes ☐ No

of Coolers: *1*

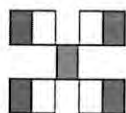
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Cooler Temp (including CF): 5.0 - 0.2 = 4.8 (°C)
10/07	1245	S	A-5 NORTH	1	Tea	7010506	
(	1315	S	A-6 WEST	1	Neel	-001	
	1340	S	A-7 EAST	1		-002	
	1405	S	A-8 WEST	1		-003	
)	1420	S	A-9 EAST	1		-004	
	1445	S	A-10 SOUTH	1		-005	
2/07	1445	S	A-10 SOUTH	1		-006	

Cooler Temp (including CF)	Container Type and #	Preservative Type	HEAL No.
5.0-0.2=4.8 (°C)	1	Tea	7010506
	1	Neel	-001
	1		-002
	1		-003
	1		-004
	1		-005
	1		-006

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/08	5:50	Son Jany	Gummig		10/8/20	11:20
8/8/20	19:00	Gummig	Care		10/4/20	08:00

[illegible]

If necessary, samples submitted to Half 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**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Project Manager: *Bob Allen*

Sampler: *Sn Jerry*

On Ice: ☒ Yes ☐ No

of Coolers: *1*

email or Fax#:	Project Manager: <i>Allen, Bob</i>
QA/QC Package:	
<input checked="" type="checkbox"/> Standard	
<input type="checkbox"/> Level 4 (Full Validation)	
Accreditation:	Sampler: <i>Sn Jones</i>
<input type="checkbox"/> Az Compliance	
<input type="checkbox"/> NELAC	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> EDD (Type) _____	# of Coolers: <i>1</i>

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Cooler Temp (including CF): 5.0 - 0.2 = 4.8 (°C)
10/07	1245	S	A-5 NORTH	1	Tea	7010506	
(	1315	S	A-6 WEST	1	Neel	-001	
	1340	S	A-7 EAST	1		-002	
	1405	S	A-8 WEST	1		-003	
)	1420	S	A-9 EAST	1		-004	
	1445	S	A-10 SOUTH	1		-005	
2/07	1445	S	A-10 SOUTH	1		-006	

Cooler Temp (including CF)	Container Type and #	Preservative Type	HEAL No.
5.0-0.2=4.8 (°C)	1	Tea	7010506
	1	Neel	-001
	1		-002
	1		-003
	1		-004
	1		-005
	1		-006

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/08	5:50	Son Jany	Gummig		10/8/20	11:20
8/8/20	19:00	Gummig	Care		10/4/20	08:00

[illegible]

Remarks:

Paul to Devon



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

November 10, 2020

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

RE: Devon Big Sinks Draw 25 Fed Com 1H 2RP 4687

OrderNo.: 2011059

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/3/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2011059

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-11 1 FT Bottom

Project: Devon Big Sinks Draw 25 Fed Com 1H 2

Collection Date: 10/29/2020 10:20:00 AM

Lab ID: 2011059-001

Matrix: SOIL

Received Date: 11/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	11/6/2020 12:59:27 PM	56258
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/4/2020 8:14:38 PM	56174
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/4/2020 8:14:38 PM	56174
Surr: DNOP	81.3	30.4-154		%Rec	1	11/4/2020 8:14:38 PM	56174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/4/2020 3:34:49 PM	56173
Surr: BFB	93.9	75.3-105		%Rec	1	11/4/2020 3:34:49 PM	56173
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.026	0.025		mg/Kg	1	11/4/2020 3:34:49 PM	56173
Toluene	ND	0.049		mg/Kg	1	11/4/2020 3:34:49 PM	56173
Ethylbenzene	ND	0.049		mg/Kg	1	11/4/2020 3:34:49 PM	56173
Xylenes, Total	ND	0.098		mg/Kg	1	11/4/2020 3:34:49 PM	56173
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	11/4/2020 3:34:49 PM	56173

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

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

Analytical Report

Lab Order 2011059

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-12 North Wall

Project: Devon Big Sinks Draw 25 Fed Com 1H 2

Collection Date: 10/29/2020 11:00:00 AM

Lab ID: 2011059-002

Matrix: SOIL

Received Date: 11/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/6/2020 1:36:41 PM	56258
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/4/2020 8:38:48 PM	56174
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2020 8:38:48 PM	56174
Surr: DNOP	104	30.4-154		%Rec	1	11/4/2020 8:38:48 PM	56174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2020 3:58:17 PM	56173
Surr: BFB	93.7	75.3-105		%Rec	1	11/4/2020 3:58:17 PM	56173
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/4/2020 3:58:17 PM	56173
Toluene	ND	0.048		mg/Kg	1	11/4/2020 3:58:17 PM	56173
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2020 3:58:17 PM	56173
Xylenes, Total	ND	0.097		mg/Kg	1	11/4/2020 3:58:17 PM	56173
Surr: 4-Bromofluorobenzene	96.8	80-120		%Rec	1	11/4/2020 3:58:17 PM	56173

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

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

Analytical Report

Lab Order 2011059

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-13 West Wall

Project: Devon Big Sinks Draw 25 Fed Com 1H 2

Collection Date: 10/29/2020 11:15:00 AM

Lab ID: 2011059-003

Matrix: SOIL

Received Date: 11/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/6/2020 1:49:06 PM	56258
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/4/2020 9:02:43 PM	56174
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/4/2020 9:02:43 PM	56174
Surr: DNOP	102	30.4-154		%Rec	1	11/4/2020 9:02:43 PM	56174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2020 4:21:55 PM	56173
Surr: BFB	91.5	75.3-105		%Rec	1	11/4/2020 4:21:55 PM	56173
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	11/4/2020 4:21:55 PM	56173
Toluene	ND	0.047		mg/Kg	1	11/4/2020 4:21:55 PM	56173
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2020 4:21:55 PM	56173
Xylenes, Total	ND	0.094		mg/Kg	1	11/4/2020 4:21:55 PM	56173
Surr: 4-Bromofluorobenzene	94.5	80-120		%Rec	1	11/4/2020 4:21:55 PM	56173

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

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

Analytical Report

Lab Order 2011059

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-14 South Wall

Project: Devon Big Sinks Draw 25 Fed Com 1H 2

Collection Date: 10/29/2020 11:45:00 AM

Lab ID: 2011059-004

Matrix: SOIL

Received Date: 11/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/6/2020 2:01:31 PM	56258
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/4/2020 9:26:53 PM	56174
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2020 9:26:53 PM	56174
Surr: DNOP	115	30.4-154		%Rec	1	11/4/2020 9:26:53 PM	56174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2020 4:45:29 PM	56173
Surr: BFB	92.4	75.3-105		%Rec	1	11/4/2020 4:45:29 PM	56173
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/4/2020 4:45:29 PM	56173
Toluene	ND	0.048		mg/Kg	1	11/4/2020 4:45:29 PM	56173
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2020 4:45:29 PM	56173
Xylenes, Total	ND	0.096		mg/Kg	1	11/4/2020 4:45:29 PM	56173
Surr: 4-Bromofluorobenzene	95.5	80-120		%Rec	1	11/4/2020 4:45:29 PM	56173

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

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

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

WO#: 2011059

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H 2RP 468

Sample ID: MB-56258	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 56258		RunNo: 73173							
Prep Date: 11/6/2020	Analysis Date: 11/6/2020		SeqNo: 2575833		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56258	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 56258		RunNo: 73173							
Prep Date: 11/6/2020	Analysis Date: 11/6/2020		SeqNo: 2575835		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.5	90	110			

Qualifiers:

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

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

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

WO#: 2011059

10-Nov-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1H 2RP 468

Sample ID: LCS-56174	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 56174		RunNo: 73123							
Prep Date: 11/3/2020	Analysis Date: 11/4/2020		SeqNo: 2572317		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	115	70	130			
Surr: DNOP	5.3		5.000		106	30.4	154			

Sample ID: MB-56174	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 56174		RunNo: 73123							
Prep Date: 11/3/2020	Analysis Date: 11/4/2020		SeqNo: 2572319		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2011059

10-Nov-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1H 2RP 468

Sample ID: mb-56173	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 56173	RunNo: 73115								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571725	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	950		1000		95.0	75.3	105			

Sample ID: lcs-56173	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 56173	RunNo: 73115								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571726	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.0	72.5	106			
Surr: BFB	1100		1000		106	75.3	105			S

Qualifiers:

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

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

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

WO#: 2011059

10-Nov-20

Client: Safety & Environmental Solutions
Project: Devon Big Sinks Draw 25 Fed Com 1H 2RP 468

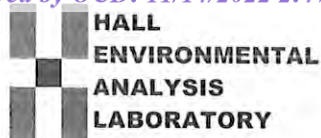
Sample ID: mb-56173	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 56173	RunNo: 73115								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571769	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.6	80	120			

Sample ID: LCS-56173	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 56173	RunNo: 73115								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571770	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	87.6	80	120			
Toluene	0.94	0.050	1.000	0	94.1	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

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

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



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

Sample Log-In Check List

Client Name: **Safety & Environmental Solutions**

Work Order Number: **2011059**

RcptNo: 1

Received By: **Emily Mocho**

11/3/2020 8:00:00 AM

Completed By: **Desiree Dominguez**

11/3/2020 8:52:20 AM

Reviewed By: **ENM**

11/3/20

DP2

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 $>0^{\circ}\text{C}$ 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 11/3/20**

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			
2	3.9	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental SolutionsMailing Address: 703 E. CliftonWebbs NM 88240Phone #: 575-397-0510

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ RushProject Name: DevonBig Sinks Draw 25 Adm 1H2 RP-4687

Project #:

DEV-20-010

Project Manager:

Alex Bob

Sampler:

Sam GrayOn Ice: ☒ Yes ☐ No# of Coolers: 2Cooler Temp (including CF): 2.4 ± 0.24 (°C)

Container Type and #

Preservative Type

HEAL No.

Date

Time

Sample Name

SP-11 1st Bottom

SP-12 North Wall

SP-13 West Wall

SP-14 South Wall

Received by: Sam Gray

Via:

Date

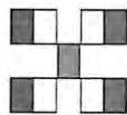
Time

11/2/20 1400

Devon

Remarks:

Seal intact 9m 11/3/20



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMBs (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chlorides



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

November 10, 2020

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

RE: Devon Big Sinks Draw 25 Fed Com 1H 2RP 4194

OrderNo.: 2011060

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/3/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2011060

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-13 1 FT Bottom

Project: Devon Big Sinks Draw 25 Fed Com 1H 2

Collection Date: 10/29/2020 12:05:00 PM

Lab ID: 2011060-001

Matrix: SOIL

Received Date: 11/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	11/6/2020 2:38:44 PM	56258
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/4/2020 8:48:39 PM	56183
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2020 8:48:39 PM	56183
Surr: DNOP	104	30.4-154		%Rec	1	11/4/2020 8:48:39 PM	56183
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2020 11:18:16 PM	56177
Surr: BFB	89.1	75.3-105		%Rec	1	11/5/2020 11:18:16 PM	56177
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	11/5/2020 11:18:16 PM	56177
Toluene	ND	0.047		mg/Kg	1	11/5/2020 11:18:16 PM	56177
Ethylbenzene	ND	0.047		mg/Kg	1	11/5/2020 11:18:16 PM	56177
Xylenes, Total	ND	0.094		mg/Kg	1	11/5/2020 11:18:16 PM	56177
Surr: 4-Bromofluorobenzene	93.4	80-120		%Rec	1	11/5/2020 11:18:16 PM	56177

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

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

Analytical Report

Lab Order 2011060

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-14 North Wall

Project: Devon Big Sinks Draw 25 Fed Com 1H 2

Collection Date: 10/29/2020 12:40:00 PM

Lab ID: 2011060-002

Matrix: SOIL

Received Date: 11/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/6/2020 3:15:58 PM	56258
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/4/2020 9:36:19 PM	56183
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/4/2020 9:36:19 PM	56183
Surr: DNOP	114	30.4-154		%Rec	1	11/4/2020 9:36:19 PM	56183
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2020 11:41:37 PM	56177
Surr: BFB	88.3	75.3-105		%Rec	1	11/5/2020 11:41:37 PM	56177
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/5/2020 11:41:37 PM	56177
Toluene	ND	0.048		mg/Kg	1	11/5/2020 11:41:37 PM	56177
Ethylbenzene	ND	0.048		mg/Kg	1	11/5/2020 11:41:37 PM	56177
Xylenes, Total	ND	0.097		mg/Kg	1	11/5/2020 11:41:37 PM	56177
Surr: 4-Bromofluorobenzene	93.2	80-120		%Rec	1	11/5/2020 11:41:37 PM	56177

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

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

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

WO#: 2011060

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H 2RP 419

Sample ID: MB-56258	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 56258		RunNo: 73173							
Prep Date: 11/6/2020	Analysis Date: 11/6/2020		SeqNo: 2575833		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56258	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 56258		RunNo: 73173							
Prep Date: 11/6/2020	Analysis Date: 11/6/2020		SeqNo: 2575835		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.5	90	110			

Qualifiers:

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

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

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

WO#: 2011060

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H 2RP 419

Sample ID: MB-56183	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56183	RunNo: 73122								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571825	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		115	30.4	154			

Sample ID: LCS-56183	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 56183	RunNo: 73122								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571826	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.7	70	130			
Surr: DNOP	5.1		5.000		101	30.4	154			

Sample ID: LCS-56174	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 56174	RunNo: 73123								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2572317	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	30.4	154			

Sample ID: MB-56174	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56174	RunNo: 73123								
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2572319	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		116	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2011060

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H 2RP 419

Sample ID: mb-56177	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 56177	RunNo: 73150								
Prep Date: 11/3/2020	Analysis Date: 11/5/2020	SeqNo: 2573162	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	890		1000		89.3	75.3	105			

Sample ID: lcs-56177	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 56177	RunNo: 73150								
Prep Date: 11/3/2020	Analysis Date: 11/5/2020	SeqNo: 2573163	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.2	72.5	106			
Surr: BFB	960		1000		96.4	75.3	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2011060

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H 2RP 419

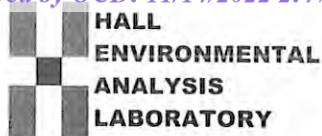
Sample ID: mb-56177	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 56177	RunNo: 73150								
Prep Date: 11/3/2020	Analysis Date: 11/5/2020	SeqNo: 2573202	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	80	120			

Sample ID: LCS-56177	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 56177	RunNo: 73150								
Prep Date: 11/3/2020	Analysis Date: 11/5/2020	SeqNo: 2573203	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.9	80	120			

Qualifiers:

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

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



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

Sample Log-In Check List

Client Name: **Safety & Environmental Solutions**

Work Order Number: **2011060**

RcptNo: **1**

Received By: **Emily Mocho**

11/3/2020 8:00:00 AM

Completed By: **Desiree Dominguez**

11/3/2020 9:00:08 AM

Reviewed By: **ENM**

11/3/20

DD

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 $>0^{\circ}\text{C}$ 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 11/3/20**

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			
2	3.9	Good	Yes			



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

November 10, 2020

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

RE: Devon Big Sinks Draw 25 Fed Com 1H

OrderNo.: 2011068

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/3/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2011068

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-6 1 Ft Bottom

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/29/2020 1:10:00 PM

Lab ID: 2011068-001

Matrix: SOIL

Received Date: 11/3/2020 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	11/9/2020 5:51:08 PM	56321
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	11/5/2020 6:41:54 PM	56195
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	11/5/2020 6:41:54 PM	56195
Surr: DNOP	85.2	30.4-154		%Rec	1	11/5/2020 6:41:54 PM	56195
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/6/2020 10:44:53 PM	56185
Surr: BFB	92.1	75.3-105		%Rec	1	11/6/2020 10:44:53 PM	56185
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.027	0.025		mg/Kg	1	11/6/2020 10:44:53 PM	56185
Toluene	ND	0.049		mg/Kg	1	11/6/2020 10:44:53 PM	56185
Ethylbenzene	ND	0.049		mg/Kg	1	11/6/2020 10:44:53 PM	56185
Xylenes, Total	ND	0.099		mg/Kg	1	11/6/2020 10:44:53 PM	56185
Surr: 4-Bromofluorobenzene	97.9	80-120		%Rec	1	11/6/2020 10:44:53 PM	56185

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

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

Analytical Report

Lab Order 2011068

Date Reported: 11/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-7 North Wall

Project: Devon Big Sinks Draw 25 Fed Com 1H

Collection Date: 10/29/2020 1:30:00 PM

Lab ID: 2011068-002

Matrix: SOIL

Received Date: 11/3/2020 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	11/9/2020 6:03:33 PM	56321
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/5/2020 7:05:53 PM	56195
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/5/2020 7:05:53 PM	56195
Surr: DNOP	86.5	30.4-154		%Rec	1	11/5/2020 7:05:53 PM	56195
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/6/2020 11:08:17 PM	56185
Surr: BFB	94.4	75.3-105		%Rec	1	11/6/2020 11:08:17 PM	56185
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.034	0.024		mg/Kg	1	11/6/2020 11:08:17 PM	56185
Toluene	ND	0.049		mg/Kg	1	11/6/2020 11:08:17 PM	56185
Ethylbenzene	ND	0.049		mg/Kg	1	11/6/2020 11:08:17 PM	56185
Xylenes, Total	ND	0.097		mg/Kg	1	11/6/2020 11:08:17 PM	56185
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	11/6/2020 11:08:17 PM	56185

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Page 2 of 7

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

WO#: 2011068

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H

Sample ID: MB-56321	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56321	RunNo: 73210								
Prep Date: 11/9/2020	Analysis Date: 11/9/2020	SeqNo: 2576427	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56321	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56321	RunNo: 73210								
Prep Date: 11/9/2020	Analysis Date: 11/9/2020	SeqNo: 2576430	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			

Qualifiers:

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

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

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

WO#: 2011068

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H

Sample ID: MB-56195	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56195	RunNo: 73122								
Prep Date: 11/4/2020	Analysis Date: 11/5/2020	SeqNo: 2573228	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	9.5		10.00		95.4	30.4	154			

Sample ID: LCS-56195	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 56195	RunNo: 73122								
Prep Date: 11/4/2020	Analysis Date: 11/5/2020	SeqNo: 2573229	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.4	70	130			
Surr: DNOP	4.4		5.000		87.7	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2011068

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H

Sample ID: lcs-56185	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 56185			RunNo: 73179						
Prep Date: 11/3/2020	Analysis Date: 11/6/2020			SeqNo: 2574317	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.6	72.5	106			
Surr: BFB	1100		1000		108	75.3	105			S

Sample ID: mb-56185	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 56185			RunNo: 73179						
Prep Date: 11/3/2020	Analysis Date: 11/6/2020			SeqNo: 2574320	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	970		1000		97.5	75.3	105			

Sample ID: mb-56250	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 56250			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/7/2020			SeqNo: 2574783	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		1000		94.6	75.3	105			

Sample ID: lcs-56250	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 56250			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/7/2020			SeqNo: 2574784	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		103	75.3	105			

Sample ID: mb-56254	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 56254			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/8/2020			SeqNo: 2574807	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.1	75.3	105			

Sample ID: lcs-56254	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 56254			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/8/2020			SeqNo: 2574808	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	75.3	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

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

WO#: 2011068

10-Nov-20

Client: Safety & Environmental Solutions**Project:** Devon Big Sinks Draw 25 Fed Com 1H

Sample ID: LCS-56185	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 56185			RunNo: 73179						
Prep Date: 11/3/2020	Analysis Date: 11/6/2020			SeqNo: 2574369	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	95.2	80	120			
Toluene	0.98	0.050	1.000	0	98.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: mb-56185	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 56185			RunNo: 73179						
Prep Date: 11/3/2020	Analysis Date: 11/6/2020			SeqNo: 2574372	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		102	80	120			

Sample ID: mb-56250	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 56250			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/7/2020			SeqNo: 2574958	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: LCS-56250	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 56250			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/7/2020			SeqNo: 2574959	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: mb-56254	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 56254			RunNo: 73203						
Prep Date: 11/6/2020	Analysis Date: 11/8/2020			SeqNo: 2574982	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	80	120			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2011068

10-Nov-20

Client: Safety & Environmental Solutions

Project: Devon Big Sinks Draw 25 Fed Com 1H

Sample ID: LCS-56254		SampType: LCS		TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS		Batch ID: 56254		RunNo: 73203						
Prep Date: 11/6/2020		Analysis Date: 11/8/2020		SeqNo: 2574983		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

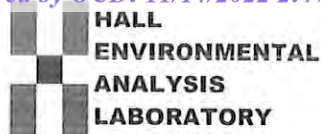
B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



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

Sample Log-In Check List

Client Name: **Safety & Environmental Solutions**

Work Order Number: **2011068**

RcptNo: 1

Received By: **Emily Mocho**

11/3/2020 8:00:00 AM

Completed By: **Emily Mocho**

11/3/2020 9:35:06 AM

Reviewed By: **ENM**

11/3/20

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 $>0^{\circ}\text{C}$ 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 11/3/20**

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			
2	3.9	Good	Yes			

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 158640

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 158640
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/7/2023