Page 6

Oil Conservation Division

Incident ID	nab1809357021
District RP	
Facility ID	
Application ID	

Page 1 of 120

# 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: <u>dale.woodall@dvn.com</u> Telephone: <u>575-748-1838</u>
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: Ashley Martwell Date: 2/7/2023
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											
Soil Sai	mple Results Chloride	: Hall Env	MRO	GRO	17/20 – Ver Benzene	tical Extent	2RP-4194 & 2RP- Ethyl benzene	4415 Total Xylenes			
-	ND	ND	ND	ND	ND	ND	ND	ND			
AH1 @ Surface											
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 Enviro	nmental	Labs Horiz	zontal Exte	ent 10/6/20	or 2RP-419	4 & 2RP-4415				
SAMPLE ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	<b>Total Xylenes</b>			
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											
AH1 @ 1'	ND											
AH2 @ Surface	ND											
AH2 @ 1'	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			
11 3 100101											
H-6 West	ND	ND	ND	ND	ND	ND	ND	ND			
				ND ND	ND ND	ND ND	ND ND				
H-6 West	ND	ND	ND					ND			
H-6 West H-7 East	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND ND			
H-6 West H-7 East H-8 West	ND ND ND	ND ND ND	ND ND ND	ND ND	ND 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

## *Received by OCD: 11/14/2022 2:33:03* Devon, Big Sinks Draw 25 Fed Com 1H Battery

DEV-20-010 2RP-4194, 2RP-4415, 2RP-4602, 2RP-4687, 2RP-5710



### Legend

0

- 1' Excavation
- Horizontal extent samples, 2RP-4194 & 2RP-4415 ٥

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- Horizontal extent samples, 2RP-4687
- Horizontal extent samples, NR leak
- Leak area, 2RP-4602, lined
- Leak area, 2RP-5710, lined
- Vertical extent samples, 2RP-4194 & 2RP-4415
- Vertical extent samples, 2RP-4687

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science for a changing world

**National Water Information System: Web Interface** 

**USGS** Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 ▼
 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 ( measur(
1959-02-17		D	318.02			2	Р	U	J	
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	Р	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

Rettlas envis water and use proving wister proving site\_no=320643103465002&agency\_cd=USGS&format=html

### Respired by OCD: 11/14/2022 2:33:03 PM

USGS Groundwater for New Mexico: Water Levels -- 1 sites

Section		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	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>He</u>p Data Tips Explanation of terms Subscribe for system changes <u>News</u>

Accessibility

Policies and Notices

Plug-Ins

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?

FOIA

Privacy

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2020-03-09 13:03:11 EDT 0.31 0.27 nadww02



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Received by OCD: 11/14/2022 2:33:03 PM

# **Devon Energy**

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





**3**2.102021, -103.739154





1000 ft

## **Devon Energy**

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









**Released to Imaging: 3/21/2023 9:45:31 AM** 

























**Released to Imaging: 3/21/2023 9:45:31 AM** 









**Released to Imaging: 3/21/2023 9:45:31 AM** 



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

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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,

andy

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 SolutionsClient SampleProject: Big Sink Draw 25 2 RP-4194 2RP-4415Collection DLab ID: 2002910-001Matrix: SOILReceived D

Client Sample ID: AH-1 Surface Collection Date: 2/17/2020 12:15:00 PM 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 ORG	SANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Project: Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-002

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

## Hall Environmental Analysis Laboratory, Inc.

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

Client Sample ID: AH-1 1Ft Collection Date: 2/17/2020 12:25:00 PM Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	ND	60	mg/Kg	20	2/24/2020 8:23:27 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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

Matrix: SOIL

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

Qualifiers:

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

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

Page 2 of 17

Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-003

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

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

Client Sample ID: AH-2 Surface Collection Date: 2/17/2020 12:35:00 PM 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 OF	RGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/24/2020 10:01:55 PN	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

Matrix: SOIL

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

Qualifiers:

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

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

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Project: Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-004

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

## Hall Environmental Analysis Laboratory, Inc.

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

Client Sample ID: AH-2 1Ft Collection Date: 2/17/2020 12:36:00 PM Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	ND	60	mg/Kg	20	2/24/2020 8:48:09 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/24/2020 10:23:46 PM	1 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	1 50592
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: 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					Analys	t: 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

Matrix: SOIL

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

Qualifiers:

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

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

Page 4 of 17

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:Safety & Environmental SolutionsClient Sample ID: AH-3 SurfaceProject:Big Sink Draw 25 2 RP-4194 2RP-4415Collection Date: 2/17/2020 12:45:00 PMLab ID:2002910-005Matrix: SOILReceived 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 ORG	ANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-006

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

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

 Client Sample ID: AH-3 1Ft

 C-4415
 Collection Date: 2/17/2020 12:47:00 PM

 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					Analys	t: CJS
Chloride	ND	60	mg/Kg	20	2/24/2020 9:37:32 PM	50639
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/24/2020 11:07:24 PM	1 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	1 50592
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: 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					Analys	t: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsClient Sample IDProject: Big Sink Draw 25 2 RP-4194 2RP-4415Collection DateLab ID: 2002910-007Matrix: SOILReceived Date

Client Sample ID: AH-4 Surface Collection Date: 2/17/2020 1:05:00 PM 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 ORG	SANICS					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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-008

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

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

Client Sample ID: AH-4 1Ft Collection Date: 2/17/2020 1:10:00 PM Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	ND	60	mg/Kg	20	2/24/2020 10:26:54 PM	1 50639
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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

Matrix: SOIL

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

Qualifiers:

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

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

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Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-009

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

## Hall Environmental Analysis Laboratory, Inc.

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

Client Sample ID: AH-5 Surface Collection Date: 2/17/2020 1:15:00 PM 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 OI	RGANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

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Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-010

**Analytical Report** Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: AH-5 1Ft Big Sink Draw 25 2 RP-4194 2RP-4415 Collection Date: 2/17/2020 1:25:00 PM 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 ORG/	ANICS				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsClient SampleProject: Big Sink Draw 25 2 RP-4194 2RP-4415Collection ILab ID: 2002910-011Matrix: SOILReceived I

Client Sample ID: AH-6 Surface Collection Date: 2/17/2020 1:35:00 PM 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 ORG	ANICS					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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Project: Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002910-012

Analytical Report Lab Order 2002910

Date Reported: 2/28/2020

## Hall Environmental Analysis Laboratory, Inc.

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

Client Sample ID: AH-6 1Ft Collection Date: 2/17/2020 1:40:00 PM Received Date: 2/21/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: 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 PN	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 PN	50586
Toluene	ND	0.048	mg/Kg	1	2/24/2020 11:32:06 PN	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 PN	50586

Matrix: SOIL

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

Qualifiers:

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

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

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14

1.5

15.00

5	& Environmental Solutions nk Draw 25 2 RP-4194 2RP-441	5			
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 ND 1.5	SPK Ref Val %REC LowLimit HighL	imit %RPD	RPDLimit	Qual
	ND 1.5				
Sample ID: LCS-50639	SampType: Ics	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 HighL	imit %RPD	RPDLimit	Qual

0

92.0

90

110

Chloride

#### Qualifiers:

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

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

2002910

28-Feb-20

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

	ety & Environn Sink Draw 25			15						
Sample ID: 2002910-00	7AMS Samp	Туре: <b>М</b>	3	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: AH-4 Surfac	e Bato	ch ID: 50	593	F	RunNo: <b>6</b> 6	6740				
Prep Date: 2/21/2020	Analysis	Date: 2/	25/2020	S	SeqNo: 22	295372	Units: <b>mg/ł</b>	٨g		
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: 2002910-00	7AMSD Samp	Type: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: AH-4 Surfac	e Bato	ch ID: 50	593	F	RunNo: 66	6740				
Prep Date: 2/21/2020	Analysis	Date: 2/	25/2020	S	SeqNo: 22	295374	Units: mg/ł	٨g		
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	Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Bato	ch ID: 50	592	F	RunNo: 66	6740				
Prep Date: 2/21/2020	Analysis	Date: 2/	24/2020	5	SeqNo: 22	295413	Units: mg/k	٨g		
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	Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Bato	ch ID: 50	593	F	RunNo: 66	6740				
Prep Date: 2/21/2020	Analysis	Date: 2/	25/2020	S	SeqNo: 22	295415	Units: <b>mg/ł</b>	٢g		
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	Samp	Type: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Bato	ch ID: 50	592	F	RunNo: <b>6</b> 6	6740				
Prep Date: 2/21/2020	Analysis	Date: 2/	24/2020	5	SeqNo: 22	295419	Units: <b>mg/ł</b>	٨g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
		10								
Diesel Range Organics (DRO)	ND	10								
Diesel Range Organics (DRO) Motor Oil Range Organics (MR		50								

#### Qualifiers:

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

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

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2002910

28-Feb-20

**Client:** 

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

Safety & Environmental Solutions

Project: Big Sink	x Draw 25 2 RP-4194 2RP-441	5
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) Surr: DNOP	ND 50	
Suit. 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 Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

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2002910

28-Feb-20

**Client:** 

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

Safety & Environmental Solutions

Project: Big Sink	Draw 25 2	RP-41	94 2RP-441	15						
Sample ID: mb-50586	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Batch	ID: 50	586	R	unNo: 6	6747				
Prep Date: 2/21/2020	Analysis D	ate: 2/	24/2020	S	eqNo: 2	294758	Units: mg/k	٢g		
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: Ics-50586	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch	ID: 50	586	R	unNo: 6	6747				
Prep Date: 2/21/2020	Analysis D	ate: <b>2/</b>	24/2020	S	eqNo: 2	294759	Units: mg/k	٢g		
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	SampT	ype: <b>MS</b>	6	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: AH-1 1Ft	Batch	ID: 50	586	R	lunNo: 6	6747				
Prep Date: 2/21/2020	Analysis D	ate: 2/	24/2020	S	eqNo: 2	294762	Units: mg/k	٢g		
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	SampT	ype: <b>MS</b>	SD	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: AH-1 1Ft	Batch	ID: 50	586	R	lunNo: 6	6747				
Prep Date: 2/21/2020	Analysis D	ate: 2/	24/2020	S	eqNo: 22	294763	Units: mg/k	٢g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 16 of 17

2002910

28-Feb-20

**Client:** 

**Project:** 

Sample ID: mb-50586

Prep Date: 2/21/2020

Client ID: PBS

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory,

Safety & Environmental Solutions

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

SampType: MBLK

Batch ID: 50586

Analysis Date: 2/24/2020

, Inc.					WO#:	2002910 28-Feb-20
Tes	tCode: EF	PA Method	8021B: Volat	iles		
F	RunNo: 6	6747				
S	SeqNo: 22	294795	Units: mg/K	g		
Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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	Samp <sup>-</sup>	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 50	586	F	RunNo: 6	6747				
Prep Date: 2/21/2020	Analysis [	Date: 2/	24/2020	S	SeqNo: 2	294796	Units: <b>mg/K</b>	٤g		
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	Samp	Type: MS	3	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: AH-1 Surface	Batc	h ID: <b>50</b>	586	F	RunNo: 6	6747				
Prep Date: 2/21/2020	Analysis [	Date: 2/	24/2020	S	SeqNo: 2	294798	Units: mg/K	٢g		
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: 2002910-001amsc	I Samp	Туре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: AH-1 Surface	Batc	h ID: <b>50</b>	586	F	RunNo: 6	6747				
Prep Date: 2/21/2020	Analysis [	Date: 2/	24/2020	S	SeqNo: 2	294799	Units: <b>mg/K</b>	٢g		
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	

#### **Qualifiers:**

Ethylbenzene

Xylenes, Total

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit

Surr: 4-Bromofluorobenzene

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

92.2

93.6

95.7

74.3

72.9

80

126

130

120

2.39

3.10

0

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

0.01369

0.01893

20

20

0

0.90

2.7

0.92

0.048

0.096

0.9569

2.871

0.9569

HALL HALL ENVIRONMENTAL ANALYSIS LABORATORY		TE	L: 505-345-3		awkins NE NM 87109 -345-4107	Sample Log-In Check List		
Client Name: Safe	ty Env Solutions	Work	Order Num	ber: 200291	0		RcptNo: 1	
	un Rojai		20 8:00:00			с. СЛ. –		
	n Melendrez	2/21/20	20 8:36:10	AM	N	MA	ブ	
Reviewed By: V6	2/21/20							
Chain of Custody								
1. Is Chain of Custody	sufficiently complete?			Yes 🔽	]	No 🗌	Not Present	
2. How was the samp	e delivered?			Courier				
Log In 3. Was an attempt ma	de to cool the samples	2		Yes 🔽	Č.	No 🗌		
4. Were all samples re	ceived at a temperature	e of >0° C	to 6.0°C	Yes 🔽		No 🗌		
5. Sample(s) in proper	container(s)?			Yes 🔽		No 🗌		
6. Sufficient sample vo	lume for indicated test	(s)?		Yes 🔽	d G	No 🗌		
7. Are samples (excep	t VOA and ONG) prope	erly preserve	ed?	Yes 🗸	7 . d	No 🗌		
8. Was preservative ad	Ided to bottles?			Yes	6 E - 3	No 🗹	NA 🗌	
9. Received at least 1	vial with headspace <1/	/4" for AQ \	/OA?	Yes	9	No 🗌		
10. Were any sample c	ontainers received brok	ken?		Yes 🗆		No 🗹	# of preserved	/
11. Does paperwork ma (Note discrepancies	tch bottle labels? on chain of custody)			Yes 🔽	3	No 🗌	bottles checked for pH: (<2 or ≥12 unless no	oted)
12. Are matrices correct		f Custody?		Yes 🗸		No 🗌	Adjusted?	
3. Is it clear what analy				Yes 🗸		No 🗆		
14. Were all holding tim (If no, notify custom)				Yes 🔽		No 🗌	Checked by: JP 2 2	1/20
Special Handling (						1		
15. Was client notified		n this order'	?	Yes	]	No 🗌	NA 🗹	
Person Notifie	ed:	Crashildre Store St	Date	<b></b>				
By Whom:	Γ	a latence to service a	Via:	🗌 eMail	Phone	🗌 Fax	In Person	
Regarding: Client Instruct	ions:							
16. Additional remarks	:							
17. <u>Cooler Informatio</u> Cooler No   Te	Charles and a second se	Seal Intact	Seal No	Seal Date	Sign	ed By	1	
1 2.6	Good							

Page 1 of 1

Received by OCD: 11/14/202	ir Bubbles (۲ or N) <b>سط 2:33:03 bu</b>		Page 35 of 1.
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HALL ENVIRONMENTAI ANALYSIS LABORATOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 45-3975 Fax 505-345-4107 Analysis Request	Soowola		Time:     Relinquished by:       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0730     2       0731     2       0740     2       0740     2       0740     2       0740     2       0740     2       0740     2       0740     2       0751     2       0702     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       0703     2       <
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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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002912-001

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

Client Sample ID: AH-1 Surface Collection Date: 2/17/2020 11:20:00 AM 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 OR	GANICS					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

Matrix: SOIL

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

Qualifiers:

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

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

Page 1 of 13

Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002912-002

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

Client Sample ID: AH-1 1ft Collection Date: 2/17/2020 11:25:00 AM 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 OR	GANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

Page 2 of 13

Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002912-003

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

Client Sample ID: AH-2 Surface Collection Date: 2/17/2020 11:35:00 AM 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 O	RGANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

Page 3 of 13

Lab ID:

**CLIENT:** Safety & Environmental Solutions

2002912-004

Analytical Report Lab Order 2002912

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

Date Reported: 2/27/2020 Client Sample ID: AH-2 1ft Collection Date: 2/17/2020 11:40:00 AM 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 O	RGANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

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Lab ID:

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

**CLIENT:** Safety & Environmental Solutions

2002912-005

Client Sample ID: AH-3 Surface Collection Date: 2/17/2020 11:50:00 AM 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 OF	RGANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

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Lab ID:

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

**CLIENT:** Safety & Environmental Solutions

2002912-006

Client Sample ID: AH-3 1ft Collection Date: 2/17/2020 11:55:00 AM 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 O	RGANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

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Lab ID:

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

**CLIENT:** Safety & Environmental Solutions

2002912-007

Client Sample ID: AH-4 Surface Collection Date: 2/17/2020 1:55:00 PM 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 OR	GANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

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Lab ID:

Analytical Report Lab Order 2002912

Date Reported: 2/27/2020

# Hall Environmental Analysis Laboratory, Inc.

Big Sinks Draw 25 2RP 4602 and 2RP 46

**CLIENT:** Safety & Environmental Solutions

2002912-008

Client Sample ID: AH-4 1ft Collection Date: 2/17/2020 2:00:00 PM 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 O	RGANICS					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

Matrix: SOIL

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

Qualifiers:

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

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

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Ľ		WO#:	2002912
Hall Env	ironmental Analysis Laboratory, Inc.	27	-Feb-20
Client:	Safety & Environmental Solutions		

Project: Big Sir	nks Draw 25 2RP 4602 and 2RP	4687		
Sample ID: MB-50651	SampType: <b>mblk</b>	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: Ics	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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

•	Environmental Draw 25 2RP		P 4687						
Sample ID: LCS-50593	SampType:	LCS	Tes	Code: EPA	Method	8015M/D: Die	sel Range	e Organics	
Client ID: LCSS	Batch ID:	50593	R	unNo: 667	40				
Prep Date: 2/21/2020	Analysis Date:	2/25/2020	S	eqNo: 229	5415	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		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 80				8015M/D: Die	sel Range	e Organics		
Client ID: PBS	Batch ID:	50593	R	unNo: 667	40				
Prep Date: 2/21/2020	Analysis Date:	2/25/2020	S	eqNo: 229	5421	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		10							
Motor Oil Range Organics (MRO)		50		04.0	A	4.40			
Surr: DNOP	8.4	10.00		84.3	55.1	146			
Sample ID: LCS-50613	SampType:	SampType: LCS TestCode: EPA Method 8			8015M/D: Die	sel Range	e Organics		
Client ID: LCSS	Batch ID:	50613	R	unNo: 667	76				
Prep Date: 2/24/2020	Analysis Date:	2/25/2020	S	eqNo: 229	5573	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	-	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	Tes	Code: EPA	Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch ID:	50613	R	unNo: 667	76				
Prep Date: 2/24/2020	Analysis Date:	2/25/2020	S	eqNo: 229	5575	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND ´	10							
Motor Oil Range Organics (MRO)		50							
Surr: DNOP	10	10.00		102	55.1	146			
Sample ID: 2002912-003AMS	SampType:	MS	Tes	Code: EPA	Method	8015M/D: Die	sel Range	e Organics	
Client ID: AH-2 Surface	Batch ID:	50613	R	unNo: 667	40				
Prep Date: 2/24/2020	Analysis Date:	2/25/2020	S	eqNo: 229	6994	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

2002912

27-Feb-20

WO#:

	WO#:	2002912
Hall Environmental Analysis Laboratory, Inc.		27-Feb-20

Client: Project:	Safety & I Big Sinks			olutions 02 and 2RF	<b>?</b> 4687						
Sample ID:	Sample ID: 2002912-003AMSD       SampType: MSD       TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	AH-2 Surface	H-2 Surface Batch ID: 50613 RunNo: 66740									
Prep Date: 2/24/2020 Analysis Date: 2/25/2020			S	SeqNo: 2	296995	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	y & Environmental Solutions inks Draw 25 2RP 4602 and 2RI	P 4687							
Sample ID: mb-50588	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	1					
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		105						
Surr: BFB	830 1000	83.5 66.6	105						
Sample ID: Ics-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: Ics-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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2002912

27-Feb-20

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	& Environme hks Draw 25 2			P 4687								
Sample ID: mb-50588	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles				
Client ID: PBS	Batch	n ID: 50	588	RunNo: 66771								
Prep Date: 2/21/2020	Analysis D	)ate: <b>2/</b> 2	25/2020	S	SeqNo: 2	296886	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 D	nalysis Date: 2/25/2020 SeqNo: 2296887					Units: mg/K	g				
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	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles				
Client ID: PBS	Batch	n ID: 50	628	F	RunNo: 6	6771						
Prep Date: 2/24/2020	Analysis D	Date: 2/	25/2020	S	SeqNo: 2	296910	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	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles				
Client ID: LCSS	Batch	n ID: 50	628	F	RunNo: 6	6771						
Prep Date: 2/24/2020	Analysis D	)ate: <b>2/</b> 2	25/2020	S	SeqNo: 2	296911	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 Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

2002912

27-Feb-20

WO#:

Daga	50	~	6170
Page		01	
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	HALL ENVIRONMENTAL ANALYSIS LABORATORY Client Name: Safety Env Solutions			TE	ll Environme L: 505-345 Website: ww	490 Albuquero 3975 FAX:	01 Haw nue, NN 505-34	kins NE 4 87109 45-4107	Page Sample Log-In Check List					
Client N	ame: S	Safety Env	Solutions	Work	Order Num	nber: 200	2912			RcptNo:	1			
		ucun Ro			20 8:00:00				_					
Complet		Isaiah Ort		2/21/20	20 8:46:19	AM		-	I-C	24				
Reviewe	d By:	1621	110											
Chain c	of Custo	ody												
1. Is Cha	ain of Cus	tody suffici	iently complet	te?		Yes	$\checkmark$	٢	lo 🗌	Not Present				
2. How v	was the sa	ample deliv	ered?			Cou	rier							
Log In							_							
3. Was a	an attempt	t made to c	cool the samp	les?		Yes		Ν	lo 🗌	NA 🗌				
4. Were	all sample	es received	at a tempera	ture of >0° C	to 6.0°C	Yes	•	Ν	10 🗆					
5. Samp	le(s) in pro	oper conta	iner(s)?			Yes		N	lo 🗆					
6. Suffici	ent sampl	e volume f	or indicated to	est(s)?		Yes	~	N	o 🗌					
7. Are sa	mples (ex	cept VOA	and ONG) pro	operly preserve	ed?	Yes	$\checkmark$	N	o 🗌					
8. Was p	reservativ	e added to	bottles?			Yes		Ν	• 🗸	NA 🗌				
9. Receiv	ved at leas	st 1 vial wit	h headspace	<1/4" for AQ V	'OA?	Yes		N	•	NA 🔽				
10. Were	any samp	le containe	ers received b	roken?		Yes		Ν	lo 🔽	# of preserved	/			
			ttle labels?			Yes	~	N	•	bottles checked for pH:				
			ain of custody	) n of Custody?		Vee	~	N	• □	Adjusted?	12 unless noted)			
			ere requested			Yes Yes		N	A					
			e to be met?				~	N	_	Checked by:	P 2/21/20			
	and the second sec		uthorization.)											
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15.Was d	client notif	ied of all di	iscrepancies	with this order?	>	Yes		M	10 🗆	NA 🗹				
	Person N	otified:	1		Date									
	By Whom	1:		HCALINE PARTY PARTY	Via:	🗌 eM	ail 🗌	] Phone	🗌 Fax	In Person				
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Page 1 of 1

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		www.hallenvironmental.com	Albuquerque, NM 87109	505-345-4107	est				_	AOV) 808						-	-			_				d on the
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Batch

Analytical Report
Lab Order 2010510

Date Reported: 10/19/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental		Client Sample ID: H-7 South	
Project:	Devon Big Sinks Draw	25 Fed Com 1 H	Collection Date: 10/6/2020 11:00:00 A	١M
Lab ID:	2010510-001	Matrix: SOIL	<b>Received Date:</b> 10/9/2020 8:00:00 Al	М
Analyses	1	Result	RL Qual Units DF Date Analyzed	

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

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

Page 1 of 11

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Analytical Report Lab Order 2010510

Date Reported: 10/19/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsCliProject:Devon Big Sinks Draw 25 Fed Com 1 HCLab ID:2010510-002Matrix: SOIL

Client Sample ID: H-8 South East Collection Date: 10/6/2020 11:35:00 AM 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 AI	N 55848
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 11

Batch

Analyst: CAS

Analytical Report Lab Order 2010510

Date Reported: 10/19/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT:Safety & Environmental SolutionsClient Sample ID: H-9 EastProject:Devon Big Sinks Draw 25 Fed Com 1 HCollection Date: 10/6/2020 12:05:00 PMLab ID:2010510-003Matrix: SOILReceived Date: 10/9/2020 8:00:00 AMAnalysesResultRL Qual UnitsDF Date AnalyzedEPA METHOD 300.0: ANIONSAnalyses

Chloride	63	60	mg/Kg	20	10/15/2020 11:53:16 AM 55848
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Analytical Report Lab Order 2010510

Date Reported: 10/19/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsCliProject:Devon Big Sinks Draw 25 Fed Com 1 HCLab ID:2010510-004Matrix: SOIL

Client Sample ID: H-10 North East Collection Date: 10/6/2020 12:40:00 PM 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	A 55848
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Batch

**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** Oual Units **DF** Date Analyzed **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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S

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

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Analytical Report
Lab Order 2010510

Date Reported: 10/19/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsClient SameProject: Devon Big Sinks Draw 25 Fed Com 1 HCollectionLab ID: 2010510-006Matrix: SOILReceivedApplyageDevol L

Client Sample ID: H-12 North West Collection Date: 10/7/2020 11:55:00 AM 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	N 55848
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Released to Imaging: 3/21/2023 9:45:31 AM

Analytical Report Lab Order 2010510

Date Reported: 10/19/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsClient Sample IProject: Devon Big Sinks Draw 25 Fed Com 1 HCollection DateLab ID: 2010510-007Matrix: SOILReceived Date

Client Sample ID: H-13 West Collection Date: 10/7/2020 12:15:00 PM 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 OR	GANICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 7 of 11

	WO#:	2010510
Hall Environmental Analysis Laboratory, Inc.		19-Oct-20

•	& Environmental Solutions Big Sinks Draw 25 Fed Com 1 H	Battery	
Sample ID: MB-55848	SampType: <b>mblk</b>	TestCode: EPA Method 300.0: Anions	;
Client ID: PBS	Batch ID: 55848	RunNo: <b>72692</b>	
Prep Date: 10/15/2020	Analysis Date: 10/15/2020	SeqNo: 2553253 Units: mg/Kg	J
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Chloride	ND 1.5		
Sample ID: LCS-55848	SampType: Ics	TestCode: EPA Method 300.0: Anions	3
Client ID: LCSS	Batch ID: 55848	RunNo: <b>72692</b>	
Prep Date: 10/15/2020	Analysis Date: 10/15/2020	SeqNo: 2553254 Units: mg/Kg	g
Analyte	Result PQL SPK value S	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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	ety & Environm on Big Sinks D			H Battery						
Sample ID: LCS-55771	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 55	771	F	RunNo: 7	2618				
Prep Date: 10/12/2020	Analysis [	Date: 10	0/13/2020	S	SeqNo: 2	550264	Units: <b>mg/#</b>	٤g		
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	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 55	771	F	RunNo: 7	2618				
Prep Date: 10/12/2020	Analysis [	Date: 10	0/13/2020	S	SeqNo: 2	550265	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Notor Oil Range Organics (MR	0) 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2010510

19-Oct-20

WO#:

	WO#:	2010510
all Environmental Analysis Laboratory, Inc.		19-Oct-20

	z Environme Big Sinks Di			H Battery						
Sample ID: mb-55766	SampT	уре: <b>МЕ</b>	BLK	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	ID: 557	766	R	unNo: 72	2598				
Prep Date: 10/10/2020	Analysis D	ate: 10	/12/2020	S	eqNo: 2	548929	Units: mg/K	g		
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: Ics-55766	SampT	ype: <b>LC</b>	S	Test	Code: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batch	ID: 557	766	R	unNo: 72	2598				
Prep Date: 10/10/2020	Analysis D	ate: 10	/12/2020	S	eqNo: 2	548930	Units: mg/K	g		
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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	ety & Environm on Big Sinks D			H Battery						
Sample ID: mb-55766	Samp	Туре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Bato	h ID: 55	766	F	RunNo: 7	2598				
Prep Date: 10/10/2020	Analysis I	Date: 10	0/12/2020	S	SeqNo: 2	548956	Units: mg/K	(g		
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	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Bato	h ID: 55	766	F	RunNo: <b>7</b> 2	2598				
Prep Date: 10/10/2020	Analysis I	Date: 10	0/12/2020	5	SeqNo: 2	548957	Units: mg/K	íg		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2010510

19-Oct-20

WO#:

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environme TEL: 505-345-3 Website: client	ns NE 87109 Sar 4107	Sample Log-In Check List				
Client Name: Safety & Environme Solutions	ental Work Order Num	ber: 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	Han By				
Reviewed By: CM	10/9/2						
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 sa	amples?	Yes 🔽	No 🗌				
4. Were all samples received at a temp	perature of >0° C to 6.0°C	Yes 🔽	No 🗌				
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌				
6. Sufficient sample volume for indicate	ed test(s)?	Yes 🔽	No 🗌				
7. Are samples (except VOA and ONG	) properly preserved?	Yes 🔽	No 🗌				
8. Was preservative added to bottles?		Yes 🗌	No 🔽				
9. Received at least 1 vial with headspa	ace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹			
0. Were any sample containers receive	ed broken?	Yes 🗆	No 🔽	# of preserved			
1. Does paperwork match bottle labels? (Note discrepancies on chain of cust		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless noted)			
2. Are matrices correctly identified on C		Yes 🔽	No 🗌	Adjusted?			
3. Is it clear what analyses were reques	sted?	Yes 🔽	No 🗌	/			
<ol><li>Were all holding times able to be me (If no, notify customer for authorization)</li></ol>		Yes 🔽	No 🗌	Checked by: JL 10 9 7			
pecial Handling (if applicable)			1				
5. Was client notified of all discrepancie	es with this order?	Yes 🗌	No.	NA 🔽			
Person Notified:	Date	1					
By Whom:	Via:	🗌 eMail 🔲 P	hone 🗌 Fax	In Person			
Regarding:							
Client Instructions:							
6. Additional remarks:							
7. <u>Cooler Information</u> Cooler No Temp <sup>o</sup> C Condition 1 4.8 Good	on Seal Intact Seal No	Seal Date	Signed By				

Received by OCD: 11/14/2022 2		Page 65 of 12
HALL ENVIR ANALYSIS L www.hallenvironmenta www.hallenvironmenta 01 Hawkins NE - Albuquerque el. 505-345-3975 Fax 505-3 Analysis Requ	Milestic (Sold)       Milestic (Sold)         Milestic (Milestic (Sold)       Milestic (Sold)         Milestic (Milestic (Sold)       Milestic (Milestic (Milestic Milestic)         Milestic (Milestic)       Milestic (Milestic)         Milestic (Milestic)       Milestic (Milestic)         Milestic (Milestic)       Milestic)         Milestic (Milestic)       Miles	Time:     Relinquished by:     Received by:     Via:     Date     Time     Remarks:       800     Sob     Sob     Sob     Sob     Sob     Sob     Sob       Time:     Relinquished by:     Received by:     Via:     Date     Time     Remarks:       900     GUUNDUUC     COR     CUR     Color     Color     Color
Turn-Around Time: 5 Com Standard <u>Rush</u> Project Name: Devon 25 for 10 Refined 2 RP-4194 Project #: DEV-20-010	Project Manager: Project Manager: Allen Sa S Sampler: So M Luw on Ice: D Yes D No # of Coolers: 1 Cooler Templineturing CF): G, D - 2 - 4 % (°C) Cooler Templineturing CF): G, D - 2 - 4 % (°C) Type and # Type Type and # HEAL No. Type and # HEAL No. Type and # HEAL No. Type and # O - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Received by: Via: Date Time R. OMMMMMM2 10/8/20 1/30 Received by: Via: Date Time Date Time
1-of-Custody Record 25 F Environmudal Selvition 25 Junton 25 Junton 25 Junton 25 Junton	email or rax#: $\Box$ Level 4 (Full Validation) $\Box$ A/QC Package: $\Box$ Level 4 (Full Validation) $\Box$ Standard $\Box$ Az Compliance $\Box$ NELAC $\Box$ Other $\Box$ NELAC $\Box$ Other $\Box$ IDD (Type) $\Box$ Other $\Box$ Date       Time $\Box$ IDN $H - 7$ $\Box$ Date       Time $\Box$ IDN $H - 7$ $\Box$ Date $Time$ $\Box$ IDN $H - 7$ $\Box$ Date $Time$ $\Box$ IDN $H - 7$ $\Box$ Date $Time$ $\Box$ IDN $H - 7$ $\Box$ IDN $H - 7$ $\Box$ Date $Time$ $\Box$ IDN $H - 7$ $\Box$ Date $Time$	Date: Time: Relinquished by: Date: Time: Relinquished by: Lever Rec Date: Time: Relinquished by: Rec



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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Surr: 4-Bromofluorobenzene

**Analytical Report** Lab Order 2010509

Date Reported: 10/15/2020

10/12/2020 10:52:00 AM 55766

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution		Client Sample ID: H-1 North							
<b>Project:</b> Devon Big Sinks Drew 25 Fe		-			/6/2020 9:15:00 AM				
<b>Lab ID:</b> 2010509-001	Matrix: SOIL		Received Dat	<b>e:</b> 10	/9/2020 8:00:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analy	st: CAS			
Chloride	61	60	mg/Kg	20	10/14/2020 10:41:18	PM 55839			
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analy	st: 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 RA	NGE				Analy	st: 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					Analy	st: 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			

99.1

80-120

%Rec

1

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

**Qualifiers:** 

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

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

Page 1 of 8

Xylenes, Total

Surr: 4-Bromofluorobenzene

**Analytical Report** Lab Order 2010509

Date Reported: 10/15/2020

10/12/2020 12:02:39 PM 55766

10/12/2020 12:02:39 PM 55766

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solut Project: Devon Big Sinks Drew 25 Fee		Client Sample ID: H-2 West Collection Date: 10/6/2020 9:40:00 AM							
Lab ID: 2010509-002	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 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 RANG	GE 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 RAN	GE				Analyst: <b>NSB</b>				
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				

ND

102

0.098

80-120

mg/Kg

%Rec

1

1

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

**Qualifiers:** 

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

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

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Analytical Report Lab Order 2010509

Date Reported: 10/15/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental Solution	ons	Cli	ent Sample II	<b>):</b> H-	3 South	
Project:	Devon Big Sinks Drew 25 Fed	Com 1H	C	Collection Date	e: 10	/6/2020 10:05:00 AM	
Lab ID:	2010509-003	Matrix: SOIL		Received Date	e: 10	/9/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	CAS
Chloride		61	60	mg/Kg	20	10/14/2020 11:06:07 PM	1 55839
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	BRM
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	10/14/2020 12:26:08 PM	1 55771
Motor Oi	I Range Organics (MRO)	ND	49	mg/Kg	1	10/14/2020 12:26:08 PN	1 55771
Surr: I	DNOP	94.0	30.4-154	%Rec	1	10/14/2020 12:26:08 PM	1 55771
EPA MET	HOD 8015D: GASOLINE RANG	θE				Analyst:	NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	10/12/2020 1:13:04 PM	55766
Surr: I	3FB	97.8	75.3-105	%Rec	1	10/12/2020 1:13:04 PM	55766
EPA MET	HOD 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
Ethylben	zene	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	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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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**Analytical Report** Lab Order 2010509

Date Reported: 10/15/2020

10/12/2020 1:36:38 PM 55766

10/12/2020 1:36:38 PM 55766

10/12/2020 1:36:38 PM 55766

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safe	ty & Environmental S	olutions	Client Sample ID: H-4 East Collection Date: 10/6/2020 10:35:00 AM						
Project: Deve	on Big Sinks Drew 25	Fed Com 1H							
Lab ID: 2010	)509-004	Matrix: SOIL	<b>Received Date:</b> 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 P	M 55839		
EPA METHOD	8015M/D: DIESEL R	ANGE ORGANICS				Analyst	BRM		
Diesel Range C	Drganics (DRO)	ND	9.4	mg/Kg	1	10/14/2020 12:49:37 P	M 55771		
Motor Oil Rang	e Organics (MRO)	ND	47	mg/Kg	1	10/14/2020 12:49:37 P	M 55771		
Surr: DNOP		94.9	30.4-154	%Rec	1	10/14/2020 12:49:37 P	M 55771		
EPA METHOD	8015D: GASOLINE F	RANGE				Analyst	: NSB		
Gasoline Rang	e Organics (GRO)	ND	4.9	mg/Kg	1	10/12/2020 1:36:38 PN	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 PN	55766		
Toluene		ND	0.049	mg/Kg	1	10/12/2020 1:36:38 PN	55766		

ND

ND

103

0.049

0.098

80-120

mg/Kg

mg/Kg

%Rec

1

1

1

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

**Qualifiers:** 

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

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

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

Page 4 of 8

QUBUI	WO#: <b>2010509</b>	
Hall Env	rironmental Analysis Laboratory, Inc.	15-Oct-20
Client:	Safety & Environmental Solutions	

Project: Devon	Big Sinks Drew 25 Fed Com 11	H Battery						
Sample ID: MB-55839	SampType: <b>mblk</b>	TestCode: EPA Method						
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: Ics 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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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

Client: Project:		Environme g Sinks Dr		olutions Fed Com 1	H Battery						
Sample ID:	LCS-55771	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 55	771	R	unNo: 7	2618				
Prep Date:	10/12/2020	Analysis Da	ate: 10	)/13/2020	S	eqNo: 2	550264	Units: mg/k	ίg		
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: 55	771	R	unNo: 72	2618				
Prep Date:	10/12/2020	Analysis Da	ate: 10	)/13/2020	S	eqNo: 2	550265	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		11		10.00		106	30.4	154			
Sample ID:	2010509-001AMS	SampT	ype: <b>MS</b>	6	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	H-1 North	Batch	ID: 55	771	R	tunNo: 72	2640				
Prep Date:	10/12/2020	Analysis Da	ate: 10	0/14/2020	S	eqNo: 2	550924	Units: mg/k	٢g		
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:	2010509-001AMS	SampT	ype: <b>M</b> \$	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	H-1 North	Batch	ID: 55	771	R	unNo: 72	2640				
Prep Date:	10/12/2020	Analysis Da	ate: 10	)/14/2020	S	eqNo: 2	550925	Units: mg/k	٢g		
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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J
- Р

2010509

15-Oct-20

WO#:

Analyte detected below quantitation limits

- Sample pH Not In Range
- Reporting Limit RL

Client: Project:	•	Environme g Sinks Dr		lutions Fed Com 1	H Battery						
Sample ID:	mb-55766	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	ID: 55	766	F	RunNo: 7	2598				
Prep Date:	10/10/2020	Analysis Da	ate: 10	)/12/2020	S	SeqNo: 2	2548929	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 980	5.0	1000		98.3	75.3	105			
Sample ID:	lcs-55766	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	ID: 55	766	F	RunNo: 7	2598				
Prep Date:	10/10/2020	Analysis Da	ate: 10	/12/2020	S	SeqNo: 2	2548930	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ge 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	SampT	ype: <b>MS</b>	6	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	H-2 West	Batch	ID: 55	766	F	RunNo: 7	2598				
Prep Date:	10/10/2020	Analysis Da	ate: 10	)/12/2020	S	SeqNo: 2	2548933	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge 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	SampT	ype: <b>MS</b>	SD	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e	
Client ID:	H-2 West	Batch	ID: 55	766	F	RunNo: 7	2598				
Prep Date:	10/10/2020	Analysis Da	ate: 10	/12/2020	S	SeqNo: 2	2548934	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge 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

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

Page 7 of 8

2010509

15-Oct-20

Client: Project:	Safety & I Devon Big			lutions Fed Com 11	H Battery							
Sample ID: mb	-55766	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles			
Client ID: PB	S	Batch	n ID: 557	766	F	RunNo: 72598						
Prep Date: 10	0/10/2020	Analysis D	ate: 10	/12/2020	S							
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-Bromofluc	orobenzene	1.0		1.000		100	80	120				
Sample ID: LC	S-55766	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Vola	tiles			
Client ID: LC	SS	Batch	n ID: 557	766	F	RunNo: 72	2598					
Prep Date: 10	0/10/2020	Analysis D	ate: 10	/12/2020	S	SeqNo: 2	548957	Units: mg/k	٢g			
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-Bromofluc	orobenzene	1.0		1.000		101	80	120				
Sample ID: 201	10509-001ams	SampT	ype: <b>MS</b>	5	Tes	tCode: EF	PA Method	8021B: Vola	tiles			
Client ID: H-1	I North	Batch	n ID: 557	766	F	RunNo: 72	2598					
Prep Date: 10	0/10/2020	Analysis D	Date: 10	/12/2020	S	SeqNo: 2	548959	Units: mg/k	٢g			
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-Bromofluc	orobenzene	1.0		0.9980		103	80	120				
Sample ID: 201	10509-001amsd	SampT	уре: <b>МS</b>	D	Tes	tCode: EF	PA Method	8021B: Vola	tiles			
Client ID: H-1	I North	Batch	n ID: 557	766	F	RunNo: 72	2598					
Prep Date: 10	0/10/2020	Analysis D	Date: 10	/12/2020	5	SeqNo: 2	548960	Units: mg/k	٢g			
Analyte		Result	PQL		SPK Ref Val		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-Bromofluc	orobenzene	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

2010509

15-Oct-20

	ANAL	RONMENTAL YSIS Ratory	TEL: 505-345-3	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com					
Client	Name:	Safety & Environmer Solutions	ntal Work Order Num	ber: 201	0509			RcptNo: 1	
Receiv	ed By:	Cheyenne Cason	10/9/2020 8:00:00	AM					
Comple	eted By:	Juan Rojas	10/9/2020 8:44:04	AM		quan	39		
Review	ved By:	cu	10/9/05			/	2		
Chain	of Cus	stody							
1. Is C	hain of C	ustody complete?		Yes		No		Not Present	
2. How	was the	sample delivered?		Cou	rier				
Log									
3. Was	an atten	npt made to cool the sa	mples?	Yes	~	No			
4. Were	e all sam	ples received at a temp	erature of >0° C to 6.0°C	Yes		No			
5. Sam	ple(s) in	proper container(s)?		Yes		No			
6. Suffic	cient sam	ple volume for indicate	d test(s)?	Yes	~	No			
7. Are s	amples (	except VOA and ONG)	properly preserved?	Yes	~	No			
B. Was	preserva	tive added to bottles?		Yes		No	•	NA 🗌	
9. Rece	ived at le	ast 1 vial with headspa	ce <1/4" for AQ VOA?	Yes		No			
0. Were	e any sar	nple containers receive	d broken?	Yes		No	V		
		ork match bottle labels? ancies on chain of custo		Yes	~	No		# of preserved bottles checked for pH: (<2 or >12 unless noted)	
		correctly identified on C		Yes	~	No		Adjusted?	
		analyses were reques			~	No		1 Augusta	
		ng times able to be met ustomer for authorizatio		Yes		No		Checked by: JR 10 91	
		ing (if applicable)					ł		
15. Was	client no	tified of all discrepancie	es with this order?	Yes		No		NA 🗹	
	Person	Notified:	Date	1					
	By Who	m:	Via:	eMa	ail 🗌 P	hone 🗌	Fax	In Person	
	Regardi			_					
		nstructions:							
16. Addi	itional rer	marks:							
	ler Infor ooler No	mation Temp ⁰C Conditic 4.8 Good	on Seal Intact Seal No	Seal Da	ate	Signed E	3y		

Page 1 of 1

Received by O	<b>CD:</b> 11/1	4/2 <mark>022</mark>	2:33	<del>:03 P</del> A	4		-		-	-	-		-		Page	76 of
HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107 Analysis Request	⁺OS	PO4, 5	)) NO <sup>s,</sup>	10 or als , <sub>5</sub> 0	v 83 v t9M v r, N (AO (AO)	PPHs by RCRA 8 Cl, F, B 8260 (V 8250 (S Total Co		X	X				to bear	
	1 Haw			PCB's				8081 Pe	-				_	_		
	490	Tel.			1.1.1.1	1.1.2		08:H9T	X	X	X	X			Remarks: Bull	
			(12	208) s'	TMB 1	/ 38	1	\X3T8	X	Х	X	X			Ren	
5 Duny Rush	mussel an 14	010-02	1	0 P	MAT	ON []	50-0.2248 (°C)	tive HEAL No.		200-	-003	-004			10/8/30 II $30Date Time$	10/9/20 0800
D	220	1	Ľ	1 30	BBB	I Yes	duding CF).	Preservative Type	iven	Jar					Via:	CUMA
Turn-Around Time:	Project Name: L Brig Sun (5)	DEV	Project Manage	Alen		On Ice:	Cooler Temp(including CF):50	Container P Type and # T	/	1	1	~			Received by:	(er c
Chain-of-Custody Record	vitions Cluthon	.W1 8×240		Level 4 (Full Validation)	□ Az Compliance	)ther		ix Sample Name	5 H-1 Nonth	F H-2 WEST	S H-3, South	H-4 GAST			Relipquished by:	lump
uin-of-(	214	75-27	47	je:		Other		Matrix	N	0 5	5	5	_			El.
Chai	Mailing Address:	e#: 5	email or Fax#:	21:50 AVQC Package:	Accreditation:			Time	160 0	Day	100	035		_	Time: OSOO Time:	002) (200)
Client	Mailin	21/202	email	a Avac	Accre			Date	90/01	-		90/01			Date: OOO Date;	10/8/21

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

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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 10/15/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsProject:Devon Big Sinks Draw 25 Fed Com 1HLab ID:2010506-001Matrix: SOIL

Client Sample ID: H-5 North Collection Date: 10/7/2020 12:55:00 PM 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 ORGA	NICS				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 1 of 10

Date Reported: 10/15/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsProject:Devon Big Sinks Draw 25 Fed Com 1HLab ID:2010506-002Matrix: SOIL

Client Sample ID: H-6 West Collection Date: 10/7/2020 1:15:00 PM 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 RAN	IGE				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 OF	RGANICS				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 L	.IST				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 10

Date Reported: 10/15/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:Safety & Environmental SolutionsClienProject:Devon Big Sinks Draw 25 Fed Com 1HCoLab ID:2010506-003Matrix: SOILR

Client Sample ID: H-7 East Collection Date: 10/7/2020 1:40:00 PM 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 RANG	ε				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 ORG	SANICS				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 LIS	ST				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Date Reported: 10/15/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsClipProject:Devon Big Sinks Draw 25 Fed Com 1HClipLab ID:2010506-004Matrix: SOIL

Client Sample ID: H-8 West Collection Date: 10/7/2020 2:05:00 PM Received Date: 10/9/2020 8:00:00 AM

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

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

Qualifiers:

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

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

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Batch

Analyst: CAS

**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** Oual Units **DF** Date Analyzed **EPA METHOD 300.0: ANIONS** Chloride ND 60 mg/Kg 20 10/14/2020 10:16:29 PM 55839

			0 0		
EPA METHOD 8015D MOD: GASOLINE RANG	ЭE				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 OR	GANICS				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 LI	ST				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S

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

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Date Reported: 10/15/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental SolutionsClieProject: Devon Big Sinks Draw 25 Fed Com 1HCoLab ID: 2010506-006Matrix: SOIL

Client Sample ID: H-10 South Collection Date: 10/7/2020 2:45:00 PM 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	A 55839
EPA METHOD 8015D MOD: GASOLINE RANG	E				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 ORG	ANICS				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 LIS	БТ				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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·		tal Analysis Laboratory	wo , Inc.	#: 2010506 15-Oct-20
Client: Project:	•	& Environmental Solutions Big Sinks Draw 25 Fed Com 1H B	att 2R	
Sample ID: MB	-55839	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID: PB	s	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	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LCSS	F	RunNo: 7	2666							
Prep Date: 10/14/2020	Analysis D	ate: 10	0/14/2020	S	SeqNo: 2	552382	Units: <b>mg/K</b>	(g		
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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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Prep Date: 10/10/2020

Analysis Date: 10/12/2020

L.		tal Analysis Laborat	wo#:	2010506 15-Oct-20
Client: Project:	2	& Environmental Solutions Big Sinks Draw 25 Fed Com 1	H Batt 2R	
Sample ID: MI	3-55765	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PE	IS	Batch ID: 55765	RunNo: <b>72584</b>	

SeqNo: 2549618

Units: mg/Kg

										<u> </u>
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	Samp	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batc	h ID: 55	765	F	RunNo: 7	2584				
Prep Date: 10/10/2020	Analysis [	Date: 10	)/12/2020	S	SeqNo: 2	549619	Units: mg/K	٢g		
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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 8 of 10

**Client:** 

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

Safety & Environmental Solutions

2	Big Sinks D			H Batt 2R							
Sample ID: Ics-55760	Samp	Гуре: LC	:S4	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List		
Client ID: BatchQC	Batc	h ID: 55	760	F	RunNo: <b>72577</b>						
Prep Date: 10/10/2020	Analysis [	Date: 10	0/11/2020	5	SeqNo: 2	548379	Units: mg/K	g			
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	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List		
Client ID: PBS	Batc	h ID: 55	760	F	RunNo: 7	72577					
Prep Date: 10/10/2020	Analysis [	Date: 10	0/11/2020	5	SeqNo: 2	548380	Units: mg/K	g			
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Released to Imaging: 3/21/2023 9:45:31 AM

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

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WO#: 2010506

15-Oct-20

•	& Environm Big Sinks D			H Batt 2R						
Sample ID: Ics-55760	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batc	h ID: 55	760	F	RunNo: 7	2577				
Prep Date: 10/10/2020	Analysis E	Date: 10	0/11/2020	S	SeqNo: 2	548399	Units: mg/k	٤g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batc	h ID: 55	760	F	RunNo: 7	2577				
Prep Date: 10/10/2020	Analysis E	Date: 10	0/11/2020	S	SeqNo: 2	548400	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		104	70	130			

Qualifiers:

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

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

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2010506

15-Oct-20

ANALYSIS LABORATORY TEL: 505-	ronmental Analysis 1 4901 H Albuquerque, -345-3975 FAX: 505 clients.hallenvironm	awkins NE NM 87109 <b>S</b> -345-4107	ample Log-In Check List
Client Name: Safety & Environmental Work Order Solutions	Number: 201050	3	RcptNo: 1
Received By: Cheyenne Cason 10/9/2020 8:0	00:00 AM		
Completed By: Juan Rojas 10/9/2020 8:3	7:26 AM	4 wars	G
Reviewed By: Cre 16/912			
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 mode to coal the second of a		I. T	
3. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌
4. Were all samples received at a temperature of $>0^{\circ}$ C to 6.0°	C Yes 🗹	No 🗌	
5. Sample(s) in proper container(s)?	Yes 🔽	No 🗌	]
5. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗌	1
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌	]
3. Was preservative added to bottles?	Yes 🗌	No 🔽	NA 🗌
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes	No	
0. Were any sample containers received broken?	Yes 🗆	No 🔽	# of preserved
			bottles checked
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🔽	No	for pH: (<2 or ≥12 unless noted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗌	
3. Is it clear what analyses were requested?	Yes 🔽	No 🗌	
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>	Yes 🔽	No 🗌	Checked by: JP 10/9/2
pecial Handling (if applicable)			~
5. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA 🗹
Person Notified:	Date		-
	Via: eMail	Phone 🗌 Fa	ax 🔲 In Person
Regarding:			
Client Instructions:			
6. Additional remarks:			
7, <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact Seal	No Seal Date	Cigned Du	
1 4.8 Good	No Seal Date	Signed By	

Page 1 of 1

LITAL		
<ul> <li>HALL ENVIRONMENTAL</li> <li>HALL ENVIRONMENTAL</li> <li>ANALYSIS LABORATOR</li> <li>ANALYSIS LABORATOR</li> <li>ANW.hallenvironmental.com</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>Tel. 505-345-3975 Fax 505-345-4107</li> <li>Tel. 505-345-3975 Request</li> </ul>	Image: Second Structure       Image: Second Structure       Image: Second Structure       Image: Second Structure       Sec	Time:     Relinquished by:     Received by:     Via:     Date     Time     Remarks:       Filme:     Relinquished by:     N     N     N     N     N     N       Filme:     Relinquished by:     N     N     N     N     N     N       Filme:     Relinquished by:     N     N     N     N     N     N       M     M     M     N     N     N     N     N       M     M     M     N     N     N     N     N       M     M     M     N     N     N     N     N       M     M     M     N     N     N     N     N
ound Time: S. Cary ndard □ Rush Name: Dev 25 Ful Bur 1 H SNNEE Dru 25 Ful Bur 1 H #:	Iger: RS SV M Lund D Yesc D Not I Internative HEAL No. Type A.M. 2002 Naul 2002 Naul 2002 Naul 2002 Naul 2002 Naul 2002	ved by:     Via:     Date     Time     R       MMMMWW     10/4/11/20     R     R       MMMWW     Date     Time     R       ved by:     Via:     Date     Time       ved by:     Via:     Date     Time
F-Custody Record Turn-Ar Childrene Esta olictione Project 703 E. Olivition Bigg	Image:	Relinquished by: Relinquished by: Relinquished by: Received by: Cumu
Client: Suture Mailing Address: -	email or Fax#: Accreditation: Date Time Colory (255) Colory (255)	Date: Time: R Date Sys Date Time: R P(S) M M

h



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,

andy

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.

Devon Big Sinks Draw 25 Fed Com 1H 2

**CLIENT:** Safety & Environmental Solutions

2011059-001

Client Sample ID: SP-11 1 FT Bottom Collection Date: 10/29/2020 10:20:00 AM 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 OR	GANICS				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

Matrix: SOIL

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

**Qualifiers:** 

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

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

Page 1 of 8

Released to Imaging: 3/21/2023 9:45:31 AM

Analytical Report
Lab Order 2011059

Date Reported: 11/10/2020

### Hall Environmental Analysis Laboratory, Inc.

Devon Big Sinks Draw 25 Fed Com 1H 2

**CLIENT:** Safety & Environmental Solutions

2011059-002

Client Sample ID: H-12 North Wall Collection Date: 10/29/2020 11:00:00 AM 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 OF	RGANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

Page 2 of 8

Analytical Report
Lab Order 2011059

Date Reported: 11/10/2020

### Hall Environmental Analysis Laboratory, Inc.

Devon Big Sinks Draw 25 Fed Com 1H 2

**CLIENT:** Safety & Environmental Solutions

2011059-003

Client Sample ID: H-13 West Wall Collection Date: 10/29/2020 11:15:00 AM 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 OR	GANICS				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

Matrix: SOIL

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

Qualifiers:

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

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

Page 3 of 8

Analytical Report
Lab Order 2011059

Date Reported: 11/10/2020

### Hall Environmental Analysis Laboratory, Inc.

Devon Big Sinks Draw 25 Fed Com 1H 2

**CLIENT:** Safety & Environmental Solutions

2011059-004

Client Sample ID: H-14 South Wall Collection Date: 10/29/2020 11:45:00 AM 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 O	RGANICS				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

Matrix: SOIL

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

**Qualifiers:** 

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

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

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	ty & Environmental Solutions on Big Sinks Draw 25 Fed Com	1H 2RP 468			
Sample ID: MB-56258	SampType: mblk	TestCode: EPA Method	300.0: Anions		
Client ID: PBS					
Prep Date: 11/6/2020	Analysis Date: 11/6/2020	SeqNo: 2575833	Units: mg/Kg		
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RP	D RPDLimit	Qual
Chloride	ND 1.5				
Sample ID: LCS-56258	SampType: Ics	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: <b>mg/Kg</b>		
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RP	D RPDLimit	Qual
Chloride	14 1.5 15.0	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2011059

10-Nov-20

WO#:

### Released to Imaging: 3/21/2023 9:45:31 AM

2	& Environme Big Sinks Di			H 2RP 468						
Sample ID: LCS-56174	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	Batch ID: 56174 RunNo: 73123								
Prep Date: 11/3/2020	Analysis D	ate: 11	/4/2020	SeqNo: 2572317			Units: mg/K	g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 56	174	R	anNo: 7	3123				
Prep Date: 11/3/2020	Analysis D	ate: 11	/4/2020	S	eqNo: 2	572319	Units: mg/K	g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2011059

10-Nov-20

WO#:

## Released to Imaging: 3/21/2023 9:45:31 AM

.

•	z Environme Big Sinks Di			H 2RP 468						
Sample ID: mb-56173	SampType: MBLK			Tes	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 56173			F	RunNo: 73115					
Prep Date: 11/3/2020	Analysis D	Date: 11	/4/2020	S	SeqNo: 2	571725	Units: mg/K	g		
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: Ics-56173	SampT	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch	n ID: 56	173	RunNo: 73115						
Prep Date: 11/3/2020	Analysis D	Date: 11	/4/2020	S	SeqNo: 25	571726	Units: <b>mg/K</b>	g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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10-Nov-20

WO#:

# Released to Imaging: 3/21/2023 9:45:31 AM

	& Environm Big Sinks D			H 2RP 468							
Sample ID: mb-56173	SampT	SampType: <b>MBLK</b>			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	Batch ID: 56173			RunNo: 7:	3115					
Prep Date: 11/3/2020	Analysis E	Analysis Date: 11/4/2020			SeqNo: 2571769 Units: mg/Kg				g		
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	SampT	ype: <b>LC</b>	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batc	n ID: 561	173	RunNo: <b>73115</b>							
Prep Date: 11/3/2020	Analysis E	Date: 11	/4/2020	S	SeqNo: 2	571770	Units: mg/K	íg			
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

2011059

10-Nov-20

Page	<b>99</b>	of	120

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Alb. TEL: 505-345-3975 Website: clients.hc	49( uquera FAX:	)1 Hawk pue, NM 505-345	ins NE 87109 5-4107	Page Sample Log-In Check List			
Client Name: Safety & Environmental Solutions	Work Order Number	201	1059			RcptNo: 1		
Received By: Emily Mocho	11/3/2020 8:00:00 AM							
Completed By: Desiree Dominguez	11/3/2020 8:52:20 AM			-1-	D-			
Reviewed By: ENM	113/20			1	* - ~			
Chain of Custody								
1. Is Chain of Custody complete?		Yes	~	1	No 🗌	Not Present		
2. How was the sample delivered?		Cou	rier					
Log In			-					
3. Was an attempt made to cool the samples?		Yes	V	M	No 🗌	NA 🗌		
4. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes	~	٢	No 🗌	NA 🗌		
5. Sample(s) in proper container(s)?		Yes	~	٢	No 🗌			
6. Sufficient sample volume for indicated test(s)	?	Yes	~	N	lo 🗌			
7. Are samples (except VOA and ONG) properly	preserved?	Yes	~	N	lo 🗌			
8. Was preservative added to bottles?		Yes		N	lo 🔽			
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		N	lo 🗌	NA 🔽		
10. Were any sample containers received broker	1?	Yes		N	No 🔽			
11.Does paperwork match bottle labels?		Yes		N	lo 🗆	# of preserved bottles checked for pH:		
(Note discrepancies on chain of custody)		103				(<2 or >12 unless noted		
12, Are matrices correctly identified on Chain of C	Custody?	Yes	~	N	lo 🗌	Adjusted?		
13. Is it clear what analyses were requested?		Yes			lo 🗌	Checked by DAD 11/3/		
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes	~	N	lo 🗌	Checked by: UHD 1137		
Special Handling (if applicable)								
15. Was client notified of all discrepancies with the	his order?	Yes		1	No 🗌	NA 🔽		
Person Notified:	Date:			-				
By Whom:	Via:	eM	ail 🗌	Phone	🗌 Fax	In Person		
Regarding:								
Client Instructions:								
16. Additional remarks:								
		Seal D	ate	Signe	ed By			
1 2.4 Good Yes								

Page 1 of 1

Received by OCD: 11/14/2022 2	1:33:03 PM	Page 100 of 120
ITAL FORY		port.
<ul> <li>HALL ENVIRONMENTAL</li> <li>HALL ENVIRONMENTAL</li> <li>ANALYSIS LABORATOR</li> <li>Mow.hallenvironmental.com</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>Tel. 505-345-3975 Fax 505-345-4107</li> <li>Tel. 505-345-3975 Request</li> </ul>	Image: Second State Sta	Remarks: DOUGN Seal introver SM 11/3/20 possibility. Any sub-contracted data will be clearly notated on the analytical re
Turn-Around Time: Sday rugh Standard a Rush Project Name: Devlow Big Sinks Druw 25 720 Cun 1H Project #: Project #:	Manager: U.M. 1336 I.M. 1336 I	I by     Via:     Date     Time     Re       I by:     Via:     II     2     2     I + 000       I by:     Via:     Date     Time     Re       I by:     Via:     Date     Time
Chain-of-Custody Record Sylty + Chulhmand P Solutrony Address: 703 5. Clurbon DDS N.M 88240 #: 575-397 2510	kage: kage: a Level 4 (Full Validation) on: a Az Compliance and Az Compliance Dother Pype) Not Not Not Not Not Not Not Not	Time:     Relipedushed by:     Received by:     Via:     Date     Time     Remarks:       1600     78     4.4     Received by:     Via:     Date     Time       17.00     78     4.4     2.00     7.4     2.00       17.00     7.00     7.00     7.00     7.00       17.00     7.00     7.00     7.00     7.00       16.00     7.00     7.01     1.1     3.120       17.00     7.00     7.01     7.00     7.01       17.00     7.00     7.01     7.00     7.00       16.01     1.01     7.00     7.00     7.01       16.01     1.01     1.01     7.00     7.00       16.01     1.01     1.01     7.00     7.00       16.01     1.01     1.01     7.00     7.00
Client: Client: C	email or Fax aA/QC Packe Accreditation Date Time Date Time	Date: 13% Date:



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,

andy

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.

Devon Big Sinks Draw 25 Fed Com 1H 2

**CLIENT:** Safety & Environmental Solutions

2011060-001

Client Sample ID: SP-13 1 FT Bottom Collection Date: 10/29/2020 12:05:00 PM 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 OR	GANICS				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

Matrix: SOIL

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

**Qualifiers:** 

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

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

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Analytical Report
Lab Order 2011060

Date Reported: 11/10/2020

### Hall Environmental Analysis Laboratory, Inc.

Devon Big Sinks Draw 25 Fed Com 1H 2

**CLIENT:** Safety & Environmental Solutions

2011060-002

Client Sample ID: H-14 North Wall Collection Date: 10/29/2020 12:40:00 PM 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 OF	RGANICS				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

Matrix: SOIL

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

**Qualifiers:** 

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

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

Page 2 of 6

Client:       Safety & Environmental Solutions         Project:       Devon Big Sinks Draw 25 Fed Com 1H 2RP 419									
Sample ID: MB-56258	e ID: MB-56258 SampType: mblk			TestCode: EPA Method 300.0: Anions					
Client ID: PBS	Batch ID:	6258	F	RunNo: 73	8173				
Prep Date: 11/6/2020	Analysis Date:	11/6/2020	S	SeqNo: 25	575833	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.	5							
Sample ID: LCS-56258	SampType: Ics TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID:	Batch ID: 56258 RunNo: 73173							
Prep Date: 11/6/2020	Analysis Date:	11/6/2020	SeqNo: 2575835			Units: <b>mg/Kg</b>			
Analyte	Result PQI	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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10-Nov-20

Client: Safety a	& Environmental Solutions							
Project: Devon	Big Sinks Draw 25 Fed Com 1	H 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	Jnits: 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 80	015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 56183	RunNo: 73122						
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2571826	Jnits: 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 80	015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 56174	RunNo: 73123						
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2572317	Jnits: %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 80	015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 56174	RunNo: 73123						
Prep Date: 11/3/2020	Analysis Date: 11/4/2020	SeqNo: 2572319	Jnits: %Rec					
Analyte			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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

2011060

10-Nov-20

5	z Environmo Big Sinks Di			H 2RP 419						
Sample ID: mb-56177	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 56177 RunNo: 73150			3150						
Prep Date: 11/3/2020	Analysis D	ate: 11	/5/2020	S	SeqNo: 2	573162	Units: mg/K	g		
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: Ics-56177	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	n ID: 56	177	F	RunNo: 7	3150				
Prep Date: 11/3/2020	Analysis D	ate: 11	/5/2020	S	SeqNo: 2	573163	Units: <b>mg/K</b>	g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2011060

10-Nov-20

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

•	& Environm Big Sinks D			H 2RP 419						
Sample ID: mb-56177	Samp	SampType: MBLK			tCode: EF					
Client ID: PBS	Batc	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	Samp	Гуре: <b>LC</b>	S	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batc	h ID: 56	177	RunNo: <b>73150</b>						
Prep Date: 11/3/2020	Analysis [	Date: 11	/5/2020	S	eqNo: 2	573203	Units: mg/K	٤g		
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			
Giorioo, rotai				-						

Qualifiers:

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

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

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2011060

10-Nov-20

1 420 100 01 140	Page	108	of 120
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com				Page 1 Sample Log-In Check List		
Client Name: Safety & Environmental Solutions	Work Order Number:	201	1060			RcptNo: 1	
Received By: Emily Mocho	11/3/2020 8:00:00 AM						
Completed By: Desiree Dominguez	11/3/2020 9:00:08 AM			T	1		
Reviewed By: ENH	13/20				~		
Chain of Custody							
1. Is Chain of Custody complete?		Yes		No		Not Present	
2. How was the sample delivered?		Cou	rier				
Log In					_		
3. Was an attempt made to cool the samples?		Yes	V	No		NA 🗌	
4. Were all samples received at a temperature of >0° C to 6.0°C		Yes	~	No			
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			
10. Were any sample containers received broken?		Yes		No	V		
						# of preserved bottles checked	/
11. Does paperwork match bottle labels?		Yes		No		for pH:	
(Note discrepancies on chain of custody)						(<2 or >12 unless no Adjusted?	ted)
12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested?		Yes	V	No No	H	rigusted	
14. Were all holding times able to be met?			V	No	h	Checked by: DAD 11/3	17
(If no, notify customer for authorization.)		165		NO			14
Special Handling (if applicable)							
15. Was client notified of all discrepancies with this	s order?	Yes		No		NA 🗹	
Person Notified:	Date:	-					
By Whom:	Via:	eM	ail 🗌 P	hone 🗌	] Fax	In Person	
Regarding:							
Client Instructions:							
16. Additional remarks:							
The second s	Intact Seal No S	eal D	ate	Signed	Ву		
1 2.4 Good Yes 2 3.9 Good Yes							

Page 1 of 1

Received by OCD: 11/14/2022	:55:05 PM		Page 109 of 120
<ul> <li>HALL ENVIRONMENTAL</li> <li>HALL ENVIRONMENTAL</li> <li>ANALYSIS LABORATOR</li> <li>Maww.hallenvironmental.com</li> <li>www.hallenvironmental.com</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>4901 Hawkins NE - Albuquerque, NM 87109</li> <li>Tel. 505-345-3975 Fax 505-345-4107</li> <li>Tel. 505-345-3975 Request</li> </ul>	TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO₄, SO₄ 8250 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)		Perlow Stal intact gim 11/3/20
	BTEX / MTBE / TMB's (8021)		Remarks:
Turn-Around Time: Sdoy negl Froject Name: Device Big Simics Danw 25 Rollin 1, Project #: Project #:	Project Manager: MMM, $RbSampler: N kMM, RbSampler: N kMMOn Ice: Kes kMMOn Ice: Kes MoMoCooler Temp(Including cF): 2.4 \pm 0.2.4 (°C)Cooler Temp(Including cF): 2.4 \pm 0.2.4 (°C)Cooler Temp(Including cF): 2.4 \pm 0.2.4 (°C)Type and \# TypeType$	Jan Vart	Received by Via: Date Time Received by: Via: Date Time Received by: Via: Date Time $\mathcal{E}M$ $\mathcal{C}ULFI\mathcal{E}R$ $   3 2\mathcal{O}$ $\mathcal{S}D\delta$
Client: Syd + Couldbornd Client: Syd + Couldbornd Client: Syd + Couldbornd Mailing Address: 70 3 2: Cluthon Phone #: 575-397-0570	email or Fax#: QA/QC Package: T-Standard	1 1240 S H-14 North WW	Date     Time:     Relinquished by     Received by     Via:     Date     Time     Remarks:       73.0     16.00     7.00     7.00     1.12/20.190     1.90     2.00     1.13/20.310       Date:     Time:     Refinquished by:     Via:     Date     Time     Remarks:       Date:     Time:     Refinquished by:     Via:     Date     Time     Remarks:       Date:     Time:     Refinquished by:     Via:     Date     Time     Remarks:       1.1     2.0     Y and     Y and     Y and     Y and     Y and       1.1     2.0     Y and     Y and     Y and     Y and     Y and       1.1     2.2     Y and     Y and     Y and     Y and     Y and       1.1     2.2     Y and     Y and     Y and     Y and     Y and       1.1     2.2     Y and     Y and     Y and     Y and     Y and       1.1     2.2     Y and     Y and     Y and     Y and     Y and



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

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Lab ID: Analytical Report
Lab Order 2011068

Date Reported: 11/10/2020

### Hall Environmental Analysis Laboratory, Inc.

Devon Big Sinks Draw 25 Fed Com 1H

**CLIENT:** Safety & Environmental Solutions

2011068-001

Client Sample ID: SP-6 1 Ft Bottom Collection Date: 10/29/2020 1:10:00 PM 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 O	RGANICS				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

Matrix: SOIL

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

**Qualifiers:** 

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

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

Page 1 of 7

Project: Lab ID:

**CLIENT:** Safety & Environmental Solutions

2011068-002

Analytical Report
Lab Order 2011068

Date Reported: 11/10/2020

### Hall Environmental Analysis Laboratory, Inc.

Devon Big Sinks Draw 25 Fed Com 1H

Client Sample ID: H-7 North Wall Collection Date: 10/29/2020 1:30:00 PM 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 O	RGANICS				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

Matrix: SOIL

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

**Qualifiers:** 

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- H Holding times for preparation or analysis exceeded
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Client ID: PBS

Batch ID: 56321

Hall Env	oratory, Inc.	D#: 2011068 10-Nov-20	
Client: Project:	Safety & Environmental Solutio Devon Big Sinks Draw 25 Fed (		
Sample ID: M	B-56321 SampType: mblk	TestCode: EPA Method 300.0: Anions	

RunNo: 73210

Prep Date: 11/9/2020	Analysis D	ate: 11	/9/2020	5	SeqNo: 2	576427	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sample ID: LCS-56321	SampT	ype: Ics	;	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCSS	Batch	n ID: 56	321	F	RunNo: 7:	3210				
Prep Date: 11/9/2020	Analysis D	ate: 11	/9/2020	5	SeqNo: 2	576430	Units: mg/K	٤g		
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:**

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- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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Released to Imaging: 3/21/2023 9:45:31 AM

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Safety	& Environm	ental Sc	olutions							
Project: Devon	Big Sinks D	raw 25	Fed Com 11	H						
Sample ID: MB-56195	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 56	195	F	RunNo: 7:	3122				
Prep Date: 11/4/2020	Analysis I	Date: 11	/5/2020	S	SeqNo: 2	573228	Units: mg/K	g		
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	Samp	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 56	195	F	RunNo: 7:	3122				
Prep Date: 11/4/2020	Analysis [	Date: 11	/5/2020	S	SeqNo: 2	573229	Units: mg/K	g		
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:

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

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2011068

10-Nov-20

WO#:

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

•	& Environmental Solutions Big Sinks Draw 25 Fed Com 11	Н		
Sample ID: Ics-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	2
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: Ics-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: Ics-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
		0		

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
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- P Sample pH Not In Range
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2011068

10-Nov-20

WO#:

**Client:** 

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

Safety & Environmental Solutions

	Big Sinks Draw 25 Fed Com 11	H		
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	
		TootCodo: EDA Mothed	8021B: Volatiles	
Sample ID: mb-56254	SampType: <b>MBLK</b>	Testcode. EPA Method		
Sample ID: mb-56254 Client ID: PBS	SampType: MBLK Batch ID: 56254	RunNo: 73203		
			Units: %Rec	
Client ID: PBS	Batch ID: <b>56254</b> Analysis Date: <b>11/8/2020</b>	RunNo: 73203	Units: %Rec	RPDLimit Qual

### Qualifiers:

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- ND Not Detected at the Reporting Limit
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
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- P Sample pH Not In Range
- RL Reporting Limit

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### WO#: 2011068

10-Nov-20

Client:Safety & Environmental SolutionsProject:Devon Big Sinks Draw 25 Fed Com 1H										
Sample ID: LCS-56254	•	Гуре: <b>LC</b>					8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 56	254	F	RunNo: 73	3203				
Prep Date: 11/6/2020	Analysis [	Date: 1	1/8/2020	S	SeqNo: 2	574983	Units: %Red	•		
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:

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- RL Reporting Limit

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2011068

10-Nov-20

WO#:

Page	118	of	120

HALL ENVIRONMENTAL ANALYSIS LABORATORY		Hall Environmental Albi TEL: 505-345-3975 Website: clients.ha	49( iquero FAX:	01 Hawkins N pue, NM 8710 505-345-410	Sample Log-In Check List		
Client Name:	Safety & Environmental Solutions	Work Order Number	201	1068		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 Cus	stody						
1. Is Chain of C	Custody complete?		Yes	~	No	Not Present	
2. How was the	sample delivered?		Cou	rier			
<u>Log In</u> 3. Was an atten	npt made to cool the samples	?	Yes	<b>v</b>	No [		
4. Were all sam	ples received at a temperatur	e of >0° C to 6.0°C	Yes		No [		
5. Sample(s) in	proper container(s)?		Yes		No 🗌		
6. Sufficient san	nple volume for indicated test	s)?	Yes	~	No [	1	
7. Are samples	(except VOA and ONG) prope	rly preserved?	Yes	V	No		
8. Was preserva	ative added to bottles?		Yes		No 🔽	2 NA 🗌	
9. Received at le	east 1 vial with headspace <1/	4" for AQ VOA?	Yes		No 🗌		
10. Were any sar	mple containers received brok	en?	Yes		No 🛛	# of preserved bottles checked	
	ork match bottle labels? ancies on chain of custody)		Yes	~	No 🗌	for pH:	
12. Are matrices	correctly identified on Chain o	f Custody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear wha	at analyses were requested?		Yes	$\checkmark$	No 🗌		
	ing times able to be met? sustomer for authorization.)		Yes		No 🗌	Checked by: DAD 11/3/20	
Special Handl	ling (if applicable)						
15. Was client no	otified of all discrepancies with	this order?	Yes		No	NA 🗹	
Person	Notified:	Date:					
By Whe	om:	Via:	eM	ail 🗌 Phor	ne 🗌 F	Fax 🗌 In Person	
Regard	1. The second						
Client I 16. Additional re	nstructions:						
17. <u>Cooler Infor</u> Cooler No 1 2	Temp °C Condition S 2.4 Good Y	Seal Intact Seal No S es es	eal D	ate Sig	jned By		

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Received by OCD: 11/14/2022 2:33:03 PM

Received by OCD: 11/14/2022 2:.	33:03 PM		Page 119 of 120
HALL ENVIR ANALYSIS L www.hallenvironmenta www.hallenvironmenta 01 Hawkins NE - Albuquerque el. 505-345-3975 Fax 505-3 Analysis Requ	BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's B081 Pesticides/8082 PCB's RCRA 8 Metals CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) 8250 (Semi-VOA) Total Coliform (Present/Absent) Total Coliform (Present/Absent)		Time:     Relinquished by:     Received by:     Via:     Date     Time       (600     7 %     8     11     11     12     14       Time:     Relinquished by:     8     11     12     13     20       Time:     Relinquished by:     7     8     00     5     6
Turn-Around Time: Shery mel 	Project Manager: <i>M.L.M. R.S.A</i> Sampler: <i>B D Levery</i> Sampler: <i>B D Levery</i> <i>Dn Ice: <u>D</u> <i>S D Levery</i> <i>Dn Ice: <u>D</u> <i>S S S S S S S S S S</i></i></i>	The out went won	Received by Via: Date Time R Received by Via: Via: Date Time Received by COULTER 11/3/20 800
Client: Shuly + Emuluonum Al Client: Shuly + Emuluonum Al Salutuas Mailing Address: 703 E. Clunton Hone #: 575-397-0570	email or Fax#: QA/QC Package: GA/QC Package: C-StandardLevel 4 (Full Validation) Accreditation:Az Compliance C NELACOther C EDD (Type) DateMatrix Sample Name	1 (330 5	Date: Time: Relinquished by: 10/30 (600 r 2 eero Date: Time: Retinquisted by: 11/2/20 1901

Released to Imaging: 3/21/2023 9:45:31 AM

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	158619
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By		Condition Date
amaxwell	None	3/21/2023

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Action 158619