Received by OCD: 5/12/2023 3:05:53 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 1 of 1	05
Incident ID	nAPP2301424910	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗶 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗶 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗶 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗶 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗶 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗶 No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗶 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 5/12	2/2023 3:05:53 PM State of New Me	viao		Page 2 of 10.
			Incident ID	nAPP2301424910
Page 4	Oil Conservation Division		District RP	
			Facility ID	
		Application ID		
regulations all operators public health or the env failed to adequately inv addition, OCD acceptar and/or regulations. Printed Name: Dal Signature: Dalk email: Dale.Wo	Woodall	elease notifications and perfor ort by the OCD does not reliev pose a threat to groundwater, a perator of responsibility for co	m corrective actions for rel- e the operator of liability sh surface water, human health ompliance with any other fe	eases which may endanger would their operations have a or the environment. In
OCD Only Received by:	Jocelyn Harimon	Date:	05/12/2023	

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Incident ID	nAPP2301424910
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Defermed Descrete Orden Each of the fallowing items must be one	fine at an ant of new news set for defensel of new adjustion
<u>Deferral Requests Only</u> : Each of the following items must be con	firmea as part of any request for deferral of remealation.
X Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility
X Extents of contamination must be fully delineated.	
X Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Dale Woodall	Title: Environmental Professional
Signature:	Date:5/12/2023
email: Dale.Wodall@dvn.com	Telephone:575-748-1838
OCD Only	
Received by: Jocelyn Harimon	Date: 05/12/2023
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: Nelson Velez	Date: 08/01/2023

Page 5

Page 6

Oil Conservation Division

Incident ID	nAPP2301424910
District RP	
Facility ID	
Application ID	

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC X 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. Title: Environmental Professional Printed Name: Dale Woodall Signature: Dale Woodall Date: 5/12/2023 Telephone: 575-748-1838 email: Dale.Wodall@dvn.com **OCD Only** Date: 05/12/2023 Received by: Jocelyn Harimon Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Printed Name: Title:

DEVON ENERGY Thistle North CTB

Liner Inspection Report

UL N, Section 22, T23S, R33E Lea County, New Mexico

nAPP2301424910

May 11, 2023



Prepared for:

Devon Energy 6488 Seven Rivers Hwy Artesia, NM 88210

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Hobbs, New Mexico 88240 (575) 397-0510

Company Contacts

Representative	Company	Telephone	E-mail
Dale Woodall	Devon Energy		Dale.Woodall@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 liner inspection at the Thistle North CTB. This site is situated in Lea County, Section 22, Township 23S, and Range 33E.

According to the C-141: (nAPP2301424910) the cause of release was due to worn seal on a transfer pump which resulted in a release of approximately 7 bbls of crude oil of which 7bbls were recovered and 5 bbls of produced water released with 5 bbls recovered. The pump was shut down and isolated to stop the leak. The spill did not leave the lined containment and supervisors were contacted for repairs and cleanup.

SESI personnel conducted a site assessment on January 20, 2023. Documentation of the liner inspection is contained within this report.

Groundwater

There are no groundwater locations or measurements within 1/2 mile of the site.

Release Area (NAPP2301424910), Investigation

On January 20, 2023, SESI personnel identified 18 areas where the liner integrity had been compromised. Damage due to weatherization and environmental exposure likely contributed to the holes, rips and cracks identified in the inspection.

Corrective Actions

SESI personnel conducted repairs to the liner on March 2, 2023. Photo documentation is provided for your review.

Samples were taken at the surface and 1–2-foot intervals until field testing indicated the samples to meet target levels. All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (Cl Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B).

The results are tabulated in the table below:

	Devon – Thistle North Central Battery										
	Sampling Date: 03/01/2023										
Soil Sample Results: Hall Environmental Analysis Laboratory (2303211)											
Sample ID	Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes, Total (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)			
1 Surface	ND	ND	ND	ND	ND	ND	ND	ND			
2 Surface	ND	ND	ND	ND	ND	ND	ND	ND			
3 Surface	240	ND	ND	ND	ND	ND	ND	ND			
4 Surface	420	ND	ND	ND	ND	ND	ND	ND			
4 1ft	ND	ND	ND	ND	ND	ND	ND	ND			
5 Surface	1700	ND	ND	ND	ND	ND	ND	ND			
5 1ft	86	ND	ND	ND	ND	ND	ND	ND			
6 Surface	290	ND	ND	ND	ND	ND	ND	ND			
6 1ft	ND	ND	ND	ND	ND	ND	ND	ND			
7 Surface	ND	ND	ND	ND	ND	ND	91	190			
8 Surface	310	ND	ND	ND	ND	ND	ND	ND			
9 Surface	ND	ND	ND	ND	ND	ND	150	310			
10 Surface	ND	ND	ND	ND	ND	ND	ND	ND			
11 Surface	ND	ND	ND	ND	ND	ND	ND	ND			
12 Surface	ND	ND	ND	ND	ND	ND	ND	ND			
13 Surface	360	ND	ND	ND	ND	ND	ND	ND			
14 Surface	67	ND	ND	ND	ND	ND	ND	ND			
15 Surface	93	ND	ND	ND	ND	ND	690	260			
16 Surface	ND	ND	ND	ND	ND	ND	ND	ND			
17 Surface	260	ND	ND	ND	ND	ND	ND	ND			
18 Surface	650	ND	ND	ND	ND	ND	ND	ND			
18 1ft	1600	ND	ND	ND	ND	ND	ND	ND			
18 2ft	340	ND	ND	ND	ND	ND	ND	ND			

	Devon – Thistle North Central Battery										
	Sampling Date: 03/22/2023										
		Soil Sample F	Results: Hall Er	vironmental Analy	sis Laboratory (2	2303C35)					
Sample ID	Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes, Total (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)			
#7-1ft	ND	ND	ND	ND	ND	ND	ND	ND			
#9-1ft	ND	ND	ND	ND	ND	ND	19	ND			
#9-2ft	ND	ND	ND	ND	ND	ND	ND	ND			
#15-1ft	2200	ND	ND	ND	ND	ND	ND	ND			

•

Devon – Thistle North Central Battery									
Sampling Date: 04/05/2023									
	Soil Sample Results: Hall Environmental Analysis Laboratory (2304348)								
Sample ID	Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes, Total (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	
Hole 15 2'	ND	ND	ND	ND	ND	ND	ND	ND	
Hole 15 3'	ND	ND	ND	ND	ND	ND	ND	ND	
Hole 15 4'	81	ND	ND	ND	ND	ND	130	55	

The results of the sampling of all locations where the liner was compromised determined the vertical extent of contamination underneath the line except for locations # 7, # 9, and # 15. In these areas the sampler encountered soil with a high clay content that did not allow our field test to filter enough leachate to test, thus the additional sampling performed on March 23 and April 5, 2023.

The sample at four feet in location #15 was taken at the auger refusal depth. The MRO and DRO concentrations exceed 100 ppm by 80 ppm which does not determine the vertical extent. However, the manual hand auger reached refusal at this depth. Any additional boring would require using a mechanized auger inside the berm.

Based upon the results of the sampling, Devon respectfully requests that any contamination underneath the liner be differed until closure of the battery.

Supplemental Documentation

- Document 1: Vicinity Map
- Document 2: OSE information
- Document 3: NMOCD Oil and Gas Map
- Document 4: BLM Cave Karst Map
- Document 5: FEMA Floodplain Map
- Document 6: Photographs of compromised areas and repairs
- Document 7: Lab analysis
- Document 8: C-141 initial, pg. 3-6





OSE POD Locations Map





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

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Esri, NASA, NGA, USGS, FEMA, NMBGMR, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau Released to Imaging: 8/19/2/29/3/5/3/2/2010 Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed April, 2023.

X-L RD



New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

Basin/County Search:

PLSS Search:

Q16: SE Q4: SW

Section(s): 14-16, 21-23, 26-28

Township: 23S

Range: 33E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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Legend

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Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Devon- Thistle North Central Tank Battery January 20, 2023









Devon- Thistle North Central Tank Battery January 20, 2023









Devon- Thistle North Central Tank Battery January 20, 2023







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Devon, Thistle North Central Tank Battery

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North looking Southeast



East looking North



East looking South



South looking Northeast Released to Imaging: 8/1/2023 9:45:33 AM



West looking North



West looking South

DEV-23-001 Liner Inspection 02/22/2023



SW corner facing N outside berm



SW corner facing N inside berm





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Devon, Thistle North Central Tank Battery

DEV-23-001 Liner Inspection 02/22/2023



South area inside berm



South area inside berm





SE corner facing N outside berm

DEV-23-001 Liner Inspection 02/22/2023



SE corner facing N inside berm



SE corner facingW outside berm





SE corner-standing water

DEV-23-001 Liner Inspection 02/22/2023



SE corner facing W inside





South area facing W



Area between tank facing W

DEV-23-001 Liner Inspection 02/22/2023



Area between next tank facing W







NE corner facing W-inside

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DEV-23-001 Liner Inspection 02/22/2023



NE corner facing S-inside





NE corner facing S outside Released to Imaging: 8/1/2023 9:45:33 AM



NE corner facing W-outside

DEV-23-001 Liner Inspection 02/22/2023



N area facing S





N area facing S



NW corner facing S inside

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Devon, Thistle North Central Tank Battery

DEV-23-001 Liner Inspection 02/22/2023



NW corner sump-full



NW corner facing E outside



NW corner facing E inside



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DEV-23-001 Liner Inspection 02/22/2023



North area facing East





Area between tank facing E



NW corner facing S outside

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Devon, Thistle North Central Tank Battery

DEV-23-001 Liner Inspection 02/22/2023



Area between next tank facing E



S area facing E





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DEV-23-001 Liner Inspection 02/22/2023



SE corner sump after cleaning

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Devon, Thistle North Central Tank Battery

DEV-20-005 Liner Inspection 02/27/2023





Contamination SE Corner (outside)



Liner Hole #1



Liner Holes #1-4



Liner Hole #5 Released to Imaging: 8/1/2023 9:45:33 AM



Liner Hole #6



Liner Hole #7-8



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Devon, Thistle North Central Tank Battery

DEV-20-005 Liner Inspection 02/27/2023





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Devon – Thistle North Central Tank Battery DEV-23-001



Liner patch: 2



Liner patch: 3



Liner patch: 4



Liner patch: 5



Liner patch: 6

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Liner patch: 7

Devon – Thistle North Central Tank Battery DEV-23-001



Liner patch: 8



Liner patch: 9



Liner patch: 10 Released to Imaging: 8/1/2023 9:45:33 AM



Liner patch: 11



Liner patch: 12



Liner patch: 15

Devon – Thistle North Central Tank Battery DEV-23-001



Liner patch: 16





Liner patch: 18 Released to Imaging: 8/1/2023 9:45:33 AM


March 13, 2023

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

RE: N Thistle CTB

OrderNo.: 2303211

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 23 sample(s) on 3/4/2023 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

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2303211** Date Reported: **3/13/2023**

CLIENT: Safety & Environmental Solution	S	Cl	ient Sample II	D: 13	Surface	
Project: N Thistle CTB		(Collection Dat	e: 3/1	/2023 10:00:00 AM	
Lab ID: 2303211-001	Matrix: SOIL		Received Dat	e: 3/4	4/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: SNS
Chloride	360	59	mg/Kg	20	3/10/2023 3:24:15 AM	73629
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	3/8/2023 12:57:31 AM	73532
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	3/8/2023 12:57:31 AM	73532
Surr: DNOP	96.6	69-147	%Rec	1	3/8/2023 12:57:31 AM	73532
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	3/7/2023 5:53:46 PM	73516
Surr: BFB	102	37.7-212	%Rec	1	3/7/2023 5:53:46 PM	73516
EPA METHOD 8021B: VOLATILES					Analys	: JJP
Benzene	ND	0.023	mg/Kg	1	3/7/2023 5:53:46 PM	73516
Toluene	ND	0.046	mg/Kg	1	3/7/2023 5:53:46 PM	73516
Ethylbenzene	ND	0.046	mg/Kg	1	3/7/2023 5:53:46 PM	73516
Xylenes, Total	ND	0.092	mg/Kg	1	3/7/2023 5:53:46 PM	73516
Surr: 4-Bromofluorobenzene	89.5	70-130	%Rec	1	3/7/2023 5:53:46 PM	73516

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit

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Project: N Thistle CTB

Lab ID:

2303211-002

Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Date Reported: 3/13/2023

Client Sample ID: 10 Surface Collection Date: 3/1/2023 10:30:00 AM Received Date: 3/4/2023 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: SNS
Chloride	ND	60	mg/Kg	20	3/10/2023 4:01:29 AM	73629
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/8/2023 1:07:54 AM	73532
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/8/2023 1:07:54 AM	73532
Surr: DNOP	99.9	69-147	%Rec	1	3/8/2023 1:07:54 AM	73532
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/7/2023 6:17:33 PM	73516
Surr: BFB	102	37.7-212	%Rec	1	3/7/2023 6:17:33 PM	73516
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.025	mg/Kg	1	3/7/2023 6:17:33 PM	73516
Toluene	ND	0.050	mg/Kg	1	3/7/2023 6:17:33 PM	73516
Ethylbenzene	ND	0.050	mg/Kg	1	3/7/2023 6:17:33 PM	73516
Xylenes, Total	ND	0.10	mg/Kg	1	3/7/2023 6:17:33 PM	73516
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	3/7/2023 6:17:33 PM	73516

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

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Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Date Reported: 3/13/2023
Client Sample ID: 11 Surface

Project:	N Thistle CTB	Collection Date: 3/1/2023 11:00:00 AM							
Lab ID:	2303211-003	Matrix: SOIL	Received Date: 3/4/2023 9:30:00 AM						
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analys	t: SNS		
Chloride	9	ND	60	mg/Kg	20	3/10/2023 4:13:53 AM	73629		
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: DGH		
Diesel R	Range Organics (DRO)	ND	9.1	mg/Kg	1	3/8/2023 1:18:17 AM	73532		
Motor O	il Range Organics (MRO)	ND	45	mg/Kg	1	3/8/2023 1:18:17 AM	73532		
Surr:	DNOP	99.2	69-147	%Rec	1	3/8/2023 1:18:17 AM	73532		
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analys	t: JJP		
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	3/7/2023 6:41:18 PM	73516		
Surr:	BFB	102	37.7-212	%Rec	1	3/7/2023 6:41:18 PM	73516		
EPA ME	THOD 8021B: VOLATILES					Analys	t: JJP		
Benzene	e	ND	0.024	mg/Kg	1	3/7/2023 6:41:18 PM	73516		
Toluene		ND	0.048	mg/Kg	1	3/7/2023 6:41:18 PM	73516		
Ethylber	nzene	ND	0.048	mg/Kg	1	3/7/2023 6:41:18 PM	73516		
Xylenes	, Total	ND	0.096	mg/Kg	1	3/7/2023 6:41:18 PM	73516		
Surr:	4-Bromofluorobenzene	91.0	70-130	%Rec	1	3/7/2023 6:41:18 PM	73516		

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Date Reported: 3/13/2023 Client Sample ID: 12 Surface

2			1			
N Thistle CTB			Collection Dat	e: 3/1	1/2023 11:42:00 AM	
2303211-004	Matrix: SOIL	Received Date: 3/4/2023 9:30:00 AM				
	Result	RL	Qual Units	DF	Date Analyzed	Batch
HOD 300.0: ANIONS					Analys	t: SNS
	ND	60	mg/Kg	20	3/10/2023 4:26:18 AM	73629
HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: DGH
ange Organics (DRO)	ND	9.6	mg/Kg	1	3/8/2023 1:28:42 AM	73532
I Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2023 1:28:42 AM	73532
DNOP	102	69-147	%Rec	1	3/8/2023 1:28:42 AM	73532
HOD 8015D: GASOLINE RA	NGE				Analys	t: JJP
Range Organics (GRO)	ND	4.7	mg/Kg	1	3/7/2023 7:05:05 PM	73516
BFB	104	37.7-212	%Rec	1	3/7/2023 7:05:05 PM	73516
HOD 8021B: VOLATILES					Analys	t: JJP
	ND	0.024	mg/Kg	1	3/7/2023 7:05:05 PM	73516
	ND	0.047	mg/Kg	1	3/7/2023 7:05:05 PM	73516
zene	ND	0.047	mg/Kg	1	3/7/2023 7:05:05 PM	73516
Total	ND	0.094	mg/Kg	1	3/7/2023 7:05:05 PM	73516
1-Bromofluorobenzene	92.9	70-130	%Rec	1	3/7/2023 7:05:05 PM	73516
	2303211-004 THOD 300.0: ANIONS THOD 8015M/D: DIESEL RAI ange Organics (DRO) I Range Organics (MRO) DNOP THOD 8015D: GASOLINE RA Range Organics (GRO) 3FB THOD 8021B: VOLATILES zene Total	2303211-004 Matrix: SOIL Result THOD 300.0: ANIONS THOD 300.0: ANIONS THOD 8015M/D: DIESEL RANGE ORGANICS ange Organics (DRO) ND Range Organics (MRO) ND NOP 102 THOD 8015D: GASOLINE RANGE Range Organics (GRO) ND 3FB 104 THOD 8021B: VOLATILES THOD 8021B: VOLATILES	2303211-004 Matrix: SOIL Result RL THOD 300.0: ANIONS ND 60 THOD 8015M/D: DIESEL RANGE ORGANICS Stange Organics (DRO) ND 9.6 Range Organics (DRO) ND 9.6 9.6 Range Organics (MRO) ND 48 DNOP 102 69-147 THOD 8015D: GASOLINE RANGE 7 Range Organics (GRO) ND 4.7 SFB 104 37.7-212 THOD 8021B: VOLATILES ND 0.024 ND 0.024 ND 0.047 Zene ND 0.094 ND 0.094	2303211-004 Matrix: SOIL Received Date Result RL Qual Units THOD 300.0: ANIONS ND 60 mg/Kg THOD 8015M/D: DIESEL RANGE ORGANICS mg/Kg mg/Kg ange Organics (DRO) ND 9.6 mg/Kg I Range Organics (MRO) ND 48 mg/Kg DNOP 102 69-147 %Rec THOD 8015D: GASOLINE RANGE mg/Kg Range Organics (GRO) ND 4.7 mg/Kg BFB 104 37.7-212 %Rec THOD 8021B: VOLATILES ND 0.024 mg/Kg Zene ND 0.047 mg/Kg ND 0.047 mg/Kg ND Total ND 0.094 mg/Kg	2303211-004 Matrix: SOIL Received Date: 3/4 Result RL Qual Units DF THOD 300.0: ANIONS ND 60 mg/Kg 20 THOD 8015M/D: DIESEL RANGE ORGANICS ND 9.6 mg/Kg 1 ange Organics (DRO) ND 9.6 mg/Kg 1 NOP 102 69-147 %Rec 1 ONOP 102 69-147 %Rec 1 THOD 8015D: GASOLINE RANGE T mg/Kg 1 SFB 104 37.7-212 %Rec 1 THOD 8021B: VOLATILES ND 0.024 mg/Kg 1 ND 0.047 mg/Kg 1 ND 0.047 mg/Kg 1 Zene ND 0.047 mg/Kg 1 Total ND 0.094 mg/Kg 1	2303211-004 Matrix: SOIL Received Date: 3/4/2023 9:30:00 AM Result RL Qual Units DF Date Analyzed THOD 300.0: ANIONS ND 60 mg/Kg 20 3/10/2023 4:26:18 AM THOD 8015M/D: DIESEL RANGE ORGANICS ND 60 mg/Kg 1 3/8/2023 1:28:42 AM Range Organics (DRO) ND 9.6 mg/Kg 1 3/8/2023 1:28:42 AM ONOP 102 69-147 %Rec 1 3/7/2023 7:05:05 PM Range Organics (GRO) ND 4.7 mg/Kg 1 3/7/2023 7:05:05 PM RANG 0.04 mg/Kg 1 3/7/2023 7:05:05 PM Analys THOD 8021B: VOLATILES ND 0.047 mg/Kg 1 3/7/2023 7:05:05 PM

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211 Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II): 14	Surface	
Project: N Thistle CTB		(Collection Dat	e: 3/1	/2023 12:15:00 PM	
Lab ID: 2303211-005	Matrix: SOIL		Received Dat	e: 3/4	4/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: SNS
Chloride	67	60	mg/Kg	20	3/10/2023 4:38:43 AM	73629
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/8/2023 1:39:07 AM	73532
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/8/2023 1:39:07 AM	73532
Surr: DNOP	102	69-147	%Rec	1	3/8/2023 1:39:07 AM	73532
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/7/2023 7:28:49 PM	73516
Surr: BFB	103	37.7-212	%Rec	1	3/7/2023 7:28:49 PM	73516
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	3/7/2023 7:28:49 PM	73516
Toluene	ND	0.049	mg/Kg	1	3/7/2023 7:28:49 PM	73516
Ethylbenzene	ND	0.049	mg/Kg	1	3/7/2023 7:28:49 PM	73516
Xylenes, Total	ND	0.098	mg/Kg	1	3/7/2023 7:28:49 PM	73516
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	3/7/2023 7:28:49 PM	73516

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL

Reporting Limit

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Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	IS	Cl	ient Sample II): 16	Surface		
Project: N Thistle CTB		(Collection Dat	e: 3/1	/2023 12:35:00 PM		
Lab ID: 2303211-006	Matrix: SOIL		Received Date: 3/4/2023 9:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	SNS	
Chloride	ND	60	mg/Kg	20	3/10/2023 4:51:08 AM	73629	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH	
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	3/8/2023 1:59:52 AM	73535	
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/8/2023 1:59:52 AM	73535	
Surr: DNOP	106	69-147	%Rec	1	3/8/2023 1:59:52 AM	73535	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: JJP	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	3/7/2023 11:25:43 PM	73526	
Surr: BFB	105	37.7-212	%Rec	1	3/7/2023 11:25:43 PM	73526	
EPA METHOD 8021B: VOLATILES					Analyst	: JJP	
Benzene	ND	0.023	mg/Kg	1	3/7/2023 11:25:43 PM	73526	
Toluene	ND	0.046	mg/Kg	1	3/7/2023 11:25:43 PM	73526	
Ethylbenzene	ND	0.046	mg/Kg	1	3/7/2023 11:25:43 PM	73526	
Xylenes, Total	ND	0.092	mg/Kg	1	3/7/2023 11:25:43 PM	73526	
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	3/7/2023 11:25:43 PM	73526	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211 Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	IS	Cl	ient Sample II): 17	Surface	
Project: N Thistle CTB		(Collection Date	e: 3/1	/2023 1:00:00 PM	
Lab ID: 2303211-007	Matrix: SOIL		Received Date	e: 3/4	/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JTT
Chloride	260	60	mg/Kg	20	3/10/2023 11:52:06 AM	73640
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	3/8/2023 2:31:13 AM	73535
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	3/8/2023 2:31:13 AM	73535
Surr: DNOP	92.6	69-147	%Rec	1	3/8/2023 2:31:13 AM	73535
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/8/2023 12:36:31 AM	73526
Surr: BFB	105	37.7-212	%Rec	1	3/8/2023 12:36:31 AM	73526
EPA METHOD 8021B: VOLATILES					Analyst	JJP
Benzene	ND	0.025	mg/Kg	1	3/8/2023 12:36:31 AM	73526
Toluene	ND	0.050	mg/Kg	1	3/8/2023 12:36:31 AM	73526
Ethylbenzene	ND	0.050	mg/Kg	1	3/8/2023 12:36:31 AM	73526
Xylenes, Total	ND	0.10	mg/Kg	1	3/8/2023 12:36:31 AM	73526
Surr: 4-Bromofluorobenzene	93.5	70-130	%Rec	1	3/8/2023 12:36:31 AM	73526

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solut	ions	Client Sample ID: 7 Surface					
Project: N Thistle CTB		C	ollection Dat	e: 3/1	/2023 1:25:00 PM		
Lab ID: 2303211-008	Matrix: SOIL	I	Received Dat	e: 3/4	/2023 9:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: JTT	
Chloride	ND	60	mg/Kg	20	3/10/2023 12:04:29 PM	73640	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	DGH	
Diesel Range Organics (DRO)	91	8.9	mg/Kg	1	3/8/2023 11:39:41 AM	73535	
Motor Oil Range Organics (MRO)	190	45	mg/Kg	1	3/8/2023 11:39:41 AM	73535	
Surr: DNOP	101	69-147	%Rec	1	3/8/2023 11:39:41 AM	73535	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: JJP	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/8/2023 1:47:31 AM	73526	
Surr: BFB	104	37.7-212	%Rec	1	3/8/2023 1:47:31 AM	73526	
EPA METHOD 8021B: VOLATILES					Analyst	: JJP	
Benzene	ND	0.024	mg/Kg	1	3/8/2023 1:47:31 AM	73526	
Toluene	ND	0.048	mg/Kg	1	3/8/2023 1:47:31 AM	73526	
Ethylbenzene	ND	0.048	mg/Kg	1	3/8/2023 1:47:31 AM	73526	

ND

91.9

0.096

70-130

mg/Kg

%Rec

1

1

3/8/2023 1:47:31 AM

3/8/2023 1:47:31 AM

73526

73526

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

Qualifiers:

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- Reporting Limit
- RL

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II	D: 8 S	Surface	
Project: N Thistle CTB		(Collection Dat	e: 3/1	/2023 2:00:00 PM	
Lab ID: 2303211-009	Matrix: SOIL		Received Dat	e: 3/4	/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JTT
Chloride	310	60	mg/Kg	20	3/10/2023 12:16:52 PM	73640
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/8/2023 2:41:42 AM	73535
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/8/2023 2:41:42 AM	73535
Surr: DNOP	101	69-147	%Rec	1	3/8/2023 2:41:42 AM	73535
EPA METHOD 8015D: GASOLINE RANGE					Analys	: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/8/2023 2:11:18 AM	73526
Surr: BFB	105	37.7-212	%Rec	1	3/8/2023 2:11:18 AM	73526
EPA METHOD 8021B: VOLATILES					Analys	: JJP
Benzene	ND	0.023	mg/Kg	1	3/8/2023 2:11:18 AM	73526
Toluene	ND	0.047	mg/Kg	1	3/8/2023 2:11:18 AM	73526
Ethylbenzene	ND	0.047	mg/Kg	1	3/8/2023 2:11:18 AM	73526
Xylenes, Total	ND	0.094	mg/Kg	1	3/8/2023 2:11:18 AM	73526
Surr: 4-Bromofluorobenzene	93.3	70-130	%Rec	1	3/8/2023 2:11:18 AM	73526

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solut	ions	Cli	ent Sample II): 98	Surface	
Project: N Thistle CTB		C	ollection Dat	e: 3/1	/2023 2:25:00 PM	
Lab ID: 2303211-010	Matrix: SOIL]	Received Dat	e: 3/4	/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	ND	60	mg/Kg	20	3/10/2023 12:29:16 PM	73640
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: DGH
Diesel Range Organics (DRO)	150	8.8	mg/Kg	1	3/8/2023 12:00:56 PM	73535
Motor Oil Range Organics (MRO)	310	44	mg/Kg	1	3/8/2023 12:00:56 PM	73535
Surr: DNOP	96.9	69-147	%Rec	1	3/8/2023 12:00:56 PM	73535
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/8/2023 2:35:01 AM	73526
Surr: BFB	102	37.7-212	%Rec	1	3/8/2023 2:35:01 AM	73526
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	3/8/2023 2:35:01 AM	73526
Toluene	ND	0.048	mg/Kg	1	3/8/2023 2:35:01 AM	73526

ND

ND

90.8

0.048

0.096

70-130

mg/Kg

mg/Kg

%Rec

1

1

1

3/8/2023 2:35:01 AM

3/8/2023 2:35:01 AM

3/8/2023 2:35:01 AM

73526

73526

73526

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211 Date Reported: 3/13/2023

CLIENT:	Safety & Environmental Solut	ions	Client Sample ID: 18 Surface					
Project:	N Thistle CTB		(Collection Dat	:e: 3/2	2/2023 8:30:00 AM		
Lab ID:	2303211-011	Matrix: SOIL		Received Dat	:e: 3/4	4/2023 9:30:00 AM		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS					Analyst	: JTT	
Chloride		650	60	mg/Kg	20	3/10/2023 1:31:12 PM	73640	
EPA MET	HOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	DGH	
Diesel Ra	ange Organics (DRO)	ND	9.2	mg/Kg	1	3/8/2023 12:22:16 PM	73535	
Motor Oil	Range Organics (MRO)	ND	46	mg/Kg	1	3/8/2023 12:22:16 PM	73535	
Surr: D	NOP	100	69-147	%Rec	1	3/8/2023 12:22:16 PM	73535	
EPA MET	HOD 8015D: GASOLINE RAN	GE				Analyst	: JJP	
Gasoline	Range Organics (GRO)	ND	4.6	mg/Kg	1	3/8/2023 2:58:42 AM	73526	

Surr: BFB	105	37.7-212	%Rec	1	3/8/2023 2:58:42 AM	73526
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.023	mg/Kg	1	3/8/2023 2:58:42 AM	73526
Toluene	ND	0.046	mg/Kg	1	3/8/2023 2:58:42 AM	73526
Ethylbenzene	ND	0.046	mg/Kg	1	3/8/2023 2:58:42 AM	73526
Xylenes, Total	ND	0.092	mg/Kg	1	3/8/2023 2:58:42 AM	73526
Surr: 4-Bromofluorobenzene	93.1	70-130	%Rec	1	3/8/2023 2:58:42 AM	73526

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 standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Surr: 4-Bromofluorobenzene

Analytical Report

3/8/2023 3:22:22 AM

73526

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211 Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	S	Cl	ient Sample I	D: 1 \$	Surface	
Project: N Thistle CTB		(Collection Da	te: 3/2	2/2023 9:15:00 AM	
Lab ID: 2303211-012	Matrix: SOIL		Received Da	te: 3/4	4/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: JTT
Chloride	ND	61	mg/Kg	20	3/10/2023 1:43:35 PM	73640
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/8/2023 2:52:11 AM	73535
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/8/2023 2:52:11 AM	73535
Surr: DNOP	95.6	69-147	%Rec	1	3/8/2023 2:52:11 AM	73535
EPA METHOD 8015D: GASOLINE RANGE	i i				Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/8/2023 3:22:22 AM	73526
Surr: BFB	105	37.7-212	%Rec	1	3/8/2023 3:22:22 AM	73526
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	3/8/2023 3:22:22 AM	73526
Toluene	ND	0.047	mg/Kg	1	3/8/2023 3:22:22 AM	73526
Ethylbenzene	ND	0.047	mg/Kg	1	3/8/2023 3:22:22 AM	73526
Xylenes, Total	ND	0.094	mg/Kg	1	3/8/2023 3:22:22 AM	73526

93.3

70-130

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

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Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analytical Report

3/8/2023 3:02:41 AM

3/8/2023 3:02:41 AM

3/8/2023 3:46:04 AM

73535

73535

73526

73526

73526

73526

73526

73526

73526

Analyst: JJP

Analyst: JJP

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211 Date Reported: 3/13/2023

		J				Date Reported. 5/15/20	25
CLIENT:	: Safety & Environment	ntal Solutions	Cli	ent Sample II): 2 S	Surface	
Project:	N Thistle CTB		C	ollection Date	e: 3/2	2/2023 9:30:00 AM	
Lab ID:	2303211-013	Matrix: SOIL		Received Date	e: 3/4	/2023 9:30:00 AM	
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: JTT
Chloride)	ND	60	mg/Kg	20	3/10/2023 1:55:57 PM	73640
EPA ME	THOD 8015M/D: DIES	EL RANGE ORGANICS				Analyst	DGH
Diesel R	Range Organics (DRO)	ND	8.4	mg/Kg	1	3/8/2023 3:02:41 AM	73535

42

4.8

69-147

37.7-212

0.024

0.048

0.048

0.096

70-130

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

ND

95.5

ND

103

ND

ND

ND

ND

91.3

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р
- Sample pH Not In Range Reporting Limit

RL

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

3/8/2023 4:09:45 AM

73526

73526

73526

73526

73526

Date Reported: 3/13/2023

					Date Reported. 3/13/20	23		
CLIENT	: Safety & Environmental S	olutions	Client Sample ID: 3 Surface					
Project:	N Thistle CTB		(Collection Dat	e: 3/2	2/2023 9:55:00 AM		
Lab ID:	2303211-014	Matrix: SOIL	Matrix: SOIL Received Date: 3/4/2023 9:30:00 AM					
Analyses	S	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS					Analyst	: JTT	
Chloride	9	240	60	mg/Kg	20	3/10/2023 2:08:21 PM	73640	
EPA ME	THOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst	DGH	
Diesel F	Range Organics (DRO)	ND	9.2	mg/Kg	1	3/8/2023 3:13:21 AM	73535	
Motor O	il Range Organics (MRO)	ND	46	mg/Kg	1	3/8/2023 3:13:21 AM	73535	
Surr:	DNOP	95.0	69-147	%Rec	1	3/8/2023 3:13:21 AM	73535	
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst	: JJP	
Gasolin	e Range Organics (GRO)	ND	4.9	mg/Kg	1	3/8/2023 4:09:45 AM	73526	
Surr:	BFB	106	37.7-212	%Rec	1	3/8/2023 4:09:45 AM	73526	
EPA ME	THOD 8021B: VOLATILES					Analyst	: JJP	

ND

ND

ND

ND

95.0

0.025

0.049

0.049

0.099

70-130

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

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

Qualifiers:

Benzene

Toluene

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solutions		Client Sample ID: 4 Surface						
Project: N Thistle CTB		(Collection Dat	e: 3/2	2/2023 10:35:00 AM			
Lab ID: 2303211-015	Matrix: SOIL		Received Date: 3/4/2023 9:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	JTT		
Chloride	420	60	mg/Kg	20	3/10/2023 2:20:44 PM	73640		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH		
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/8/2023 3:24:00 AM	73535		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/8/2023 3:24:00 AM	73535		
Surr: DNOP	96.1	69-147	%Rec	1	3/8/2023 3:24:00 AM	73535		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: JJP		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/8/2023 4:33:23 AM	73526		
Surr: BFB	104	37.7-212	%Rec	1	3/8/2023 4:33:23 AM	73526		
EPA METHOD 8021B: VOLATILES					Analyst	: JJP		
Benzene	ND	0.024	mg/Kg	1	3/8/2023 4:33:23 AM	73526		
Toluene	ND	0.048	mg/Kg	1	3/8/2023 4:33:23 AM	73526		
Ethylbenzene	ND	0.048	mg/Kg	1	3/8/2023 4:33:23 AM	73526		
Xylenes, Total	ND	0.097	mg/Kg	1	3/8/2023 4:33:23 AM	73526		
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	3/8/2023 4:33:23 AM	73526		

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit

RL

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Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	Client Sample ID: 5 Surface							
Project: N Thistle CTB		(Collection Dat	e: 3/2	2/2023 10:55:00 AM			
Lab ID: 2303211-016	Matrix: SOIL		Received Date: 3/4/2023 9:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: JTT		
Chloride	1700	60	mg/Kg	20	3/10/2023 2:33:06 PM	73640		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: DGH		
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	3/8/2023 3:44:53 AM	73535		
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/8/2023 3:44:53 AM	73535		
Surr: DNOP	97.2	69-147	%Rec	1	3/8/2023 3:44:53 AM	73535		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/8/2023 5:20:37 AM	73526		
Surr: BFB	104	37.7-212	%Rec	1	3/8/2023 5:20:37 AM	73526		
EPA METHOD 8021B: VOLATILES					Analyst	: JJP		
Benzene	ND	0.025	mg/Kg	1	3/8/2023 5:20:37 AM	73526		
Toluene	ND	0.049	mg/Kg	1	3/8/2023 5:20:37 AM	73526		
Ethylbenzene	ND	0.049	mg/Kg	1	3/8/2023 5:20:37 AM	73526		
Xylenes, Total	ND	0.098	mg/Kg	1	3/8/2023 5:20:37 AM	73526		
Surr: 4-Bromofluorobenzene	92.9	70-130	%Rec	1	3/8/2023 5:20:37 AM	73526		

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit

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Surr: 4-Bromofluorobenzene

Analytical Report

3/8/2023 5:44:14 AM

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	-						
Project: N Thistle CTB		(Collection Date	e: 3/2	2/2023 11:15:00 AM		
Lab ID: 2303211-017	Matrix: SOIL		Received Date	e: 3/4	/2023 9:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: JTT	
Chloride	86	60	mg/Kg	20	3/10/2023 2:45:30 PM	73640	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/8/2023 3:55:29 AM	73535	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/8/2023 3:55:29 AM	73535	
Surr: DNOP	101	69-147	%Rec	1	3/8/2023 3:55:29 AM	73535	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: JJP	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/8/2023 5:44:14 AM	73526	
Surr: BFB	104	37.7-212	%Rec	1	3/8/2023 5:44:14 AM	73526	
EPA METHOD 8021B: VOLATILES					Analyst	: JJP	
Benzene	ND	0.025	mg/Kg	1	3/8/2023 5:44:14 AM	73526	
Toluene	ND	0.050	mg/Kg	1	3/8/2023 5:44:14 AM	73526	
Ethylbenzene	ND	0.050	mg/Kg	1	3/8/2023 5:44:14 AM	73526	
Xylenes, Total	ND	0.10	mg/Kg	1	3/8/2023 5:44:14 AM	73526	

92.5

70-130

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

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73526

Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Date Reported: 3/13/2023 Client Sample ID: 6 Surface

Project:	N Thistle CTB	Collection Date: 3/2/2023 11:35:00 AM						
Lab ID:	2303211-018	Matrix: SOIL	Received Date: 3/4/2023 9:30:00 AM					
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS					Analys	t: JTT	
Chloride	•	290	60	mg/Kg	20	3/10/2023 2:57:53 PM	73640	
EPA ME	THOD 8015M/D: DIESEL F	RANGE ORGANICS				Analys	t: DGH	
Diesel R	ange Organics (DRO)	ND	8.8	mg/Kg	1	3/8/2023 4:06:05 AM	73535	
Motor O	il Range Organics (MRO)	ND	44	mg/Kg	1	3/8/2023 4:06:05 AM	73535	
Surr:	DNOP	99.5	69-147	%Rec	1	3/8/2023 4:06:05 AM	73535	
EPA ME	THOD 8015D: GASOLINE	RANGE				Analys	t: JJP	
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	3/8/2023 6:07:47 AM	73526	
Surr:	BFB	103	37.7-212	%Rec	1	3/8/2023 6:07:47 AM	73526	
EPA ME	THOD 8021B: VOLATILES	5				Analys	t: JJP	
Benzene	e	ND	0.024	mg/Kg	1	3/8/2023 6:07:47 AM	73526	
Toluene		ND	0.048	mg/Kg	1	3/8/2023 6:07:47 AM	73526	
Ethylber	izene	ND	0.048	mg/Kg	1	3/8/2023 6:07:47 AM	73526	
Xylenes	, Total	ND	0.095	mg/Kg	1	3/8/2023 6:07:47 AM	73526	
Surr:	4-Bromofluorobenzene	92.4	70-130	%Rec	1	3/8/2023 6:07:47 AM	73526	

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solutions			Client Sample ID: 6 1ft					
Project: N Thistle CTB		Collection Date: 3/2/2023 12:05:00 PM						
Lab ID: 2303211-019	Matrix: SOIL		Received Dat	e: 3/4	4/2023 9:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: JTT		
Chloride	ND	60	mg/Kg	20	3/10/2023 3:10:16 PM	73640		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: DGH		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/8/2023 4:16:41 AM	73535		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2023 4:16:41 AM	73535		
Surr: DNOP	96.7	69-147	%Rec	1	3/8/2023 4:16:41 AM	73535		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/8/2023 6:31:25 AM	73526		
Surr: BFB	105	37.7-212	%Rec	1	3/8/2023 6:31:25 AM	73526		
EPA METHOD 8021B: VOLATILES					Analyst	: JJP		
Benzene	ND	0.025	mg/Kg	1	3/8/2023 6:31:25 AM	73526		
Toluene	ND	0.050	mg/Kg	1	3/8/2023 6:31:25 AM	73526		
Ethylbenzene	ND	0.050	mg/Kg	1	3/8/2023 6:31:25 AM	73526		
Xylenes, Total	ND	0.10	mg/Kg	1	3/8/2023 6:31:25 AM	73526		
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	3/8/2023 6:31:25 AM	73526		

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2303211

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	ons	Client Sample ID: 15 Surface					
Project: N Thistle CTB		(Collection Dat	e: 3/2	/2023 12:20:00 PM		
Lab ID: 2303211-020	Matrix: SOIL		Received Date: 3/4/2023 9:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: JTT	
Chloride	93	60	mg/Kg	20	3/10/2023 4:12:12 PM	73640	
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	DGH	
Diesel Range Organics (DRO)	690	8.5	mg/Kg	1	3/8/2023 4:27:15 AM	73535	
Motor Oil Range Organics (MRO)	260	42	mg/Kg	1	3/8/2023 4:27:15 AM	73535	
Surr: DNOP	110	69-147	%Rec	1	3/8/2023 4:27:15 AM	73535	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: JJP	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/8/2023 1:05:12 PM	73526	
Surr: BFB	143	37.7-212	%Rec	1	3/8/2023 1:05:12 PM	73526	
EPA METHOD 8021B: VOLATILES					Analyst	: JJP	
Benzene	ND	0.023	mg/Kg	1	3/8/2023 1:05:12 PM	73526	
Toluene	ND	0.047	mg/Kg	1	3/8/2023 1:05:12 PM	73526	
Ethylbenzene	ND	0.047	mg/Kg	1	3/8/2023 1:05:12 PM	73526	
Xylenes, Total	ND	0.093	mg/Kg	1	3/8/2023 1:05:12 PM	73526	
Surr: 4-Bromofluorobenzene	95.2	70-130	%Rec	1	3/8/2023 1:05:12 PM	73526	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	Client Sample ID: 18 1ft					
Project: N Thistle CTB		(Collection Dat	e: 3/2	2/2023 1:20:00 PM	
Lab ID: 2303211-021	Matrix: SOIL		Received Dat	e: 3/4	4/2023 9:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	1600	60	mg/Kg	20	3/10/2023 4:24:35 PM	73640
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/8/2023 4:37:49 AM	73535
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2023 4:37:49 AM	73535
Surr: DNOP	103	69-147	%Rec	1	3/8/2023 4:37:49 AM	73535
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/8/2023 7:18:24 AM	73526
Surr: BFB	103	37.7-212	%Rec	1	3/8/2023 7:18:24 AM	73526
EPA METHOD 8021B: VOLATILES					Analys	t: JJP
Benzene	ND	0.024	mg/Kg	1	3/8/2023 7:18:24 AM	73526
Toluene	ND	0.049	mg/Kg	1	3/8/2023 7:18:24 AM	73526
Ethylbenzene	ND	0.049	mg/Kg	1	3/8/2023 7:18:24 AM	73526
Xylenes, Total	ND	0.098	mg/Kg	1	3/8/2023 7:18:24 AM	73526
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	3/8/2023 7:18:24 AM	73526

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solution	CLIENT: Safety & Environmental Solutions			Client Sample ID: 18 2ft					
Project: N Thistle CTB		(Collection Dat	e: 3/2	2/2023 2:30:00 PM				
Lab ID: 2303211-022	Matrix: SOIL		Received Dat	e: 3/4	/2023 9:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	: JTT			
Chloride	340	60	mg/Kg	20	3/10/2023 4:36:58 PM	73640			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: DGH			
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/8/2023 4:48:22 AM	73535			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/8/2023 4:48:22 AM	73535			
Surr: DNOP	104	69-147	%Rec	1	3/8/2023 4:48:22 AM	73535			
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	: JJP			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/8/2023 7:41:57 AM	73526			
Surr: BFB	100	37.7-212	%Rec	1	3/8/2023 7:41:57 AM	73526			
EPA METHOD 8021B: VOLATILES					Analys	: JJP			
Benzene	ND	0.024	mg/Kg	1	3/8/2023 7:41:57 AM	73526			
Toluene	ND	0.047	mg/Kg	1	3/8/2023 7:41:57 AM	73526			
Ethylbenzene	ND	0.047	mg/Kg	1	3/8/2023 7:41:57 AM	73526			
Xylenes, Total	ND	0.095	mg/Kg	1	3/8/2023 7:41:57 AM	73526			
Surr: 4-Bromofluorobenzene	88.7	70-130	%Rec	1	3/8/2023 7:41:57 AM	73526			

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2303211

Date Reported: 3/13/2023

CLIENT: Safety & Environmental Solutions			Client Sample ID: 4 1ft					
Project: N Thistle CTB		(Collection Dat	e: 3/2	2/2023 3:00:00 PM			
Lab ID: 2303211-023	Matrix: SOIL		Received Date: 3/4/2023 9:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: JTT		
Chloride	ND	60	mg/Kg	20	3/10/2023 4:49:21 PM	73640		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/8/2023 4:58:54 AM	73535		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2023 4:58:54 AM	73535		
Surr: DNOP	95.7	69-147	%Rec	1	3/8/2023 4:58:54 AM	73535		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/8/2023 8:05:31 AM	73526		
Surr: BFB	102	37.7-212	%Rec	1	3/8/2023 8:05:31 AM	73526		
EPA METHOD 8021B: VOLATILES					Analyst	: JJP		
Benzene	ND	0.024	mg/Kg	1	3/8/2023 8:05:31 AM	73526		
Toluene	ND	0.047	mg/Kg	1	3/8/2023 8:05:31 AM	73526		
Ethylbenzene	ND	0.047	mg/Kg	1	3/8/2023 8:05:31 AM	73526		
Xylenes, Total	ND	0.095	mg/Kg	1	3/8/2023 8:05:31 AM	73526		
Surr: 4-Bromofluorobenzene	90.7	70-130	%Rec	1	3/8/2023 8:05:31 AM	73526		

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
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- 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:	Safety & Environm N Thistle CTB	ental So	olutions							
Sample ID: LCS-7	3629 Samp	Гуре: I сs	;	Tes	tCode: EF	PA Method	300.0: Anions	5		
Client ID: LCSS	Batc	h ID: 736	629	F	RunNo: 95	5145				
Prep Date: 3/9/2	023 Analysis [Date: 3/	9/2023	S	SeqNo: 34	41919	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			
Sample ID: MB-73	640 Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	300.0: Anions	6		
Client ID: PBS	Batc	h ID: 736	640	F	RunNo: 95	5184				
Prep Date: 3/10/	2023 Analysis [Date: 3/	10/2023	S	SeqNo: 34	142397	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-7	3640 Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	300.0: Anion:	8		
Client ID: LCSS	Batc	h ID: 736	640	F	RunNo: 95	5184				
Prep Date: 3/10/	2023 Analysis [Date: 3/	10/2023	S	SeqNo: 34	142398	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2303211 13-Mar-23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Safety & Project: N Thistle	Environmental Solutions e CTB	
Sample ID: LCS-73535	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 73535	RunNo: 95077
Prep Date: 3/6/2023	Analysis Date: 3/7/2023	SeqNo: 3438280 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	41 10 50.00	0 83.0 61.9 130
Surr: DNOP	4.4 5.000	87.2 69 147
Sample ID: LCS-73532	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 73532	RunNo: 95077
Prep Date: 3/6/2023	Analysis Date: 3/7/2023	SeqNo: 3438281 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	41 10 50.00	0 82.2 61.9 130
Surr: DNOP	4.4 5.000	87.7 69 147
Sample ID: MB-73535	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 73535	RunNo: 95077
Prep Date: 3/6/2023	Analysis Date: 3/7/2023	SeqNo: 3438284 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	10 10.00	101 69 147
Sample ID: MB-73532	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 73532	RunNo: 95077
Prep Date: 3/6/2023	Analysis Date: 3/7/2023	SeqNo: 3438285 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	8.9 10.00	89.2 69 147
Sample ID: 2303211-006AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: 16 Surface	Batch ID: 73535	RunNo: 95077
Prep Date: 3/6/2023	Analysis Date: 3/8/2023	SeqNo: 3439725 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 9.6 47.80	7.676 75.2 54.2 135
Surr: DNOP	4.8 4.780	101 69 147

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2303211

13-Mar-23

WO#:

Client: Project:	Safety & I N Thistle		ental Sc	olutions							
Sample ID:	2303211-006AMSD	SampT	уре: М	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	16 Surface	Batch	n ID: 73	535	F	unNo: 9	5077				
Prep Date:	3/6/2023	Analysis D	ate: 3/	8/2023	S	eqNo: 3	439726	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	46	9.6	47.85	7.676	79.8	54.2	135	4.97	29.2	
Surr: DNOP		5.0		4.785		105	69	147	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2303211

13-Mar-23

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Safety & IProject:N Thistle	Environmental So CTB	olutions							
Sample ID: Ics-73516	SampType: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	e	
Client ID: LCSS	Batch ID: 73	516	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis Date: 3/	7/2023	S	SeqNo: 34	437813	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	24 5.0 2000	25.00 1000	0	96.4 201	70 37.7	130 212			
Sample ID: mb-73516	SampType: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 73	516	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis Date: 3/	7/2023	S	SeqNo: 34	437924	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1000	1000		102	37.7	212			
Sample ID: Ics-73526	SampType: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 73	526	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis Date: 3/	7/2023	S	SeqNo: 34	438949	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25 5.0	25.00	0	99.2	70	130			
Surr: BFB	2000	1000		202	37.7	212			
Sample ID: mb-73526	SampType: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	e	
Client ID: PBS	Batch ID: 73	526	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis Date: 3/	7/2023	S	SeqNo: 34	438950	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1000	1000		105	37.7	212			
Sample ID: 2303211-006ams	SampType: MS	6	Tes	tCode: Ef	PA Method	8015D: Gaso	line Rang	e	
Client ID: 16 Surface	Batch ID: 73	526	F	RunNo: 9	5061		-		
Prep Date: 3/6/2023	Analysis Date: 3/	7/2023	S	SeqNo: 34	438954	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23 4.6	23.11	0	99.2	70	130			
Surr: BFB	1900	924.2		203	37.7	212			
Sample ID: 2303211-006amsd	SampType: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: 16 Surface	Batch ID: 73	526	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis Date: 3/	8/2023	S	SeqNo: 34	438955	Units: mg/K	g		
Analyte									

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2303211

13-Mar-23

WO#:

Client: Project:	Safety & N Thistle	Environme CTB	ental So	olutions							
Sample ID: 2303	211-006amsd	SampT	ype: M S	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: 16 St	urface	Batch	n ID: 73	526	F	unNo: 9	5061				
Prep Date: 3/6/	2023	Analysis D	ate: 3/	8/2023	S	eqNo: 3	438955	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga	nics (GRO)	23	4.6	23.08	0	99.4	70	130	0.109	20	
Surr: BFB		1900		923.4		206	37.7	212	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2303211 13-Mar-23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Safety & Project: N Thistle	: Environm e CTB	ental So	olutions							
Sample ID: LCS-73516	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 73	516	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis [Date: 3/	7/2023	S	SeqNo: 34	137904	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.2	80	120			
Toluene	0.86	0.050	1.000	0	85.7	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.0	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.6	70	130			
Sample ID: mb-73516	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 73	516	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis [Date: 3/	7/2023	5	SeqNo: 34	137925	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	0.90		1.000		90.0	70	130			
Sample ID: LCS-73526	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 73	526	F	RunNo: 9	5061				
Prep Date: 3/6/2023	Analysis [~		100054				
	, analyere i	Jale. 3/	//2023	8	SeqNo: 34	138921	Units: mg/K	g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Analyte Benzene	·						_	-	RPDLimit	Qual
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	-	RPDLimit	Qual
Benzene	Result 0.87	PQL 0.025	SPK value 1.000	SPK Ref Val 0	%REC 86.7	LowLimit 80	HighLimit 120	-	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.87 0.89	PQL 0.025 0.050	SPK value 1.000 1.000	SPK Ref Val 0 0	%REC 86.7 88.7	LowLimit 80 80	HighLimit 120 120	-	RPDLimit	Qual
Benzene Toluene Ethylbenzene	Result 0.87 0.89 0.88	PQL 0.025 0.050 0.050	SPK value 1.000 1.000 1.000	SPK Ref Val 0 0 0	%REC 86.7 88.7 88.1	LowLimit 80 80 80	HighLimit 120 120 120	-	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.87 0.89 0.88 2.7 0.97	PQL 0.025 0.050 0.050	SPK value 1.000 1.000 3.000 1.000	SPK Ref Val 0 0 0 0	%REC 86.7 88.7 88.1 89.8 97.2	LowLimit 80 80 80 80 70	HighLimit 120 120 120 120	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Result 0.87 0.89 0.88 2.7 0.97 Samp	PQL 0.025 0.050 0.050 0.10	SPK value 1.000 1.000 3.000 1.000 BLK	SPK Ref Val 0 0 0 0 Tes	%REC 86.7 88.7 88.1 89.8 97.2	LowLimit 80 80 80 80 70 PA Method	HighLimit 120 120 120 120 120 130	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-73526	Result 0.87 0.89 0.88 2.7 0.97 Samp	PQL 0.025 0.050 0.10 Type: ME h ID: 73	SPK value 1.000 1.000 3.000 1.000 3LK 526	SPK Ref Val 0 0 0 0 Tes F	%REC 86.7 88.7 88.1 89.8 97.2 tCode: EF	LowLimit 80 80 80 80 70 PA Method 5061	HighLimit 120 120 120 120 120 130	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-73526 Client ID: PBS	Result 0.87 0.89 0.88 2.7 0.97 Samp Batc	PQL 0.025 0.050 0.10 Type: ME h ID: 73	SPK value 1.000 1.000 3.000 1.000 3LK 526 7/2023	SPK Ref Val 0 0 0 0 Tes F	%REC 86.7 88.7 88.1 89.8 97.2 tCode: EF RunNo: 95 SeqNo: 34	LowLimit 80 80 80 80 70 PA Method 5061	HighLimit 120 120 120 120 120 130 8021B: Volat	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-73526 Client ID: PBS Prep Date: 3/6/2023	Result 0.87 0.89 0.88 2.7 0.97 Samp Batc Analysis [PQL 0.025 0.050 0.050 0.10 Fype: ME h ID: 73 Date: 3 /	SPK value 1.000 1.000 3.000 1.000 3LK 526 7/2023	SPK Ref Val 0 0 0 0 Tes F	%REC 86.7 88.7 88.1 89.8 97.2 tCode: EF RunNo: 95 SeqNo: 34	LowLimit 80 80 80 70 PA Method 5061 438952	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-73526 Client ID: PBS Prep Date: 3/6/2023 Analyte	Result 0.87 0.89 0.88 2.7 0.97 Samp Batc Analysis I Result	PQL 0.025 0.050 0.10 Fype: ME h ID: 73 Date: 3 /	SPK value 1.000 1.000 3.000 1.000 3LK 526 7/2023	SPK Ref Val 0 0 0 0 Tes F	%REC 86.7 88.7 88.1 89.8 97.2 tCode: EF RunNo: 95 SeqNo: 34	LowLimit 80 80 80 70 PA Method 5061 438952	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-73526 Client ID: PBS Prep Date: 3/6/2023 Analyte Benzene	Result 0.87 0.89 0.88 2.7 0.97 Samp Batc Analysis I Result ND	PQL 0.025 0.050 0.10 Type: ME h ID: 73 Date: 3 / PQL 0.025	SPK value 1.000 1.000 3.000 1.000 3LK 526 7/2023	SPK Ref Val 0 0 0 0 Tes F	%REC 86.7 88.7 88.1 89.8 97.2 tCode: EF RunNo: 95 SeqNo: 34	LowLimit 80 80 80 70 PA Method 5061 438952	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD		
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-73526 Client ID: PBS Prep Date: 3/6/2023 Analyte Benzene Toluene	Result 0.87 0.89 0.88 2.7 0.97 Samp ^T Batc Analysis I Result ND ND	PQL 0.025 0.050 0.10 Type: ME h ID: 73 Date: 3 / PQL 0.025 0.050	SPK value 1.000 1.000 3.000 1.000 3LK 526 7/2023	SPK Ref Val 0 0 0 0 Tes F	%REC 86.7 88.7 88.1 89.8 97.2 tCode: EF RunNo: 95 SeqNo: 34	LowLimit 80 80 80 70 PA Method 5061 438952	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD		

* 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 standard limits. If undiluted results may be estimated. S

Released to Imaging: 8/1/2023 9:45:33 AM

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

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WO#: 2303211 13-Mar-23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Safety &Project:N Thistl	è Environm le CTB	nental Sc	olutions							
Sample ID: 2303211-007ams	s Samp	Туре: М	6	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: 17 Surface	Batc	h ID: 73	526	F	unNo: 9	5061				
Prep Date: 3/6/2023	Analysis I	Date: 3/	8/2023	S	eqNo: 3	438976	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9950	0	86.1	68.8	120			
Toluene	0.88	0.050	0.9950	0.01775	86.3	73.6	124			
Ethylbenzene	0.87	0.050	0.9950	0	87.0	72.7	129			
Xylenes, Total	2.6	0.10	2.985	0	88.2	75.7	126			
Surr: 4-Bromofluorobenzene	0.95		0.9950		95.3	70	130			
Sample ID: 2303211-007ams	d Samp	Туре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: 17 Surface	Batc	h ID: 73	526	F	lunNo: 9	5061				
Prep Date: 3/6/2023	Analysis I	Date: 3/	8/2023	S	eqNo: 3	438977	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.5	68.8	120	2.11	20	
Toluene	0.90	0.050	1.000	0.01775	88.0	73.6	124	2.43	20	
Ethylbenzene	0.89	0.050	1.000	0	88.9	72.7	129	2.58	20	
Xylenes, Total	2.7	0.10	3.000	0	89.8	75.7	126	2.34	20	
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 30 of 30

WO#: **2303211**

13-Mar-23

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.hau	4901 Hawkii querque. NM 8 FAX: 505-345	ns NE 87109 Sam -4107	ple Log-In Cl	neck List
Client Name: Safety & Environmental Solutions	Work Order Number:	2303211		RcptNo:	1
Received By: Tracy Casarrubias	3/4/2023 9:30:00 AM				
Completed By: Tracy Casarrubias	3/4/2023 10:23:47 AM				
Reviewed By: JA 3/6/23					
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗌	No 🗹	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗋	NA 🗌	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗔	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗋		
6. Sufficient sample volume for indicated test(s))?	Yes 🗹	No 🗆		
7. Are samples (except VOA and ONG) propert		Yes 🗹	No 🗀		
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗔	
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes 🗌	No 🗍	NA 🗹	
10. Were any sample containers received broke	n?	Yes 🗆	No 🗹	# of preserved	/
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆		12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆	Checked by:	me 3/4/23
Special Handling (if applicable)					
15. Was client notified of all discrepancies with t	this order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified:	Date:				
By Whom:	Via: C	eMail	Phone 🗌 Fax	🔄 In Person	
Regarding:	a a construint de la construction de la construction de la construit de la construction de la construction de l	Carter de Levis de La Consti	and the second secon		
Client Instructions:					
16. Additional remarks:			······································		
17. <u>Cooler Information</u>					
	eal Intact Seal No S	eal Date	Signed By		
1 2.6 Good Yes					

Page 68 of 105

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			Project Name:						WWW	www.hallenvironmental.com	virono	hental	mag			
Mailing Address: 7	703 Clinton	le~	N Thistle	1e CTB			490	1 Haw	4901 Hawkins NE	<u>.</u>	puque	enb.	Albuquerque, NM 87109	8		
M/M SEEDA	6		Project #:	?			Tel	. 505-(Tel. 505-345-3975	10	Fax	505-34	Fax 505-345-4107			
Phone #: (575) 357	397 0510	9	DEU	100-02-	10					Ana	lysis	Analysis Request	st			
email or Fax#:			Project Manager:		Rah Allen			-		^v O!		(+0	()	1.3		
QA/QC Package:						208		s,g(SM	S '*C			000	Ŕ		_
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2/1/23 1100	11 5	1 Surface	402 Jar	Eco	003	×	×			×						
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Received by OCD: 5/12/2023 3:05:53 PM	Turn-Around Time:	Page 70 of 105
Client: Selety & Environmental Solu Hons Inc		ANALYSIS LABORATORY
	Project Name:	www.hallenvironmental.com
Mailing Address: 703 Clinker	WThistle CTB	4901 Hawkins NE - Albuquerque, NM 87109
CR	1	Tel. 505-345-3975 Fax 505-345-4107
Phone #: 575 387 05'10	DEU - 23-001	ysis Requ
	Project Manager:	POS
QA/QC Package:	Rob Allen	bo*' Bost Bost Bost Bost Bost
	Sampler: Reserts Martinez	280 (1) 25 (1) 25 20 25
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Date: Time: Relinquished by:	Received by: Via: count Date Time 73	[10] A. M.
r necessary, samples submitted to Hall Environmental may be s	subcontracted to other accredited laboratories. This serves as notice of t	f necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

s possibility. Any s If necessary, samples submitted to Hall Environmental may be subformated to other accredited laboratories. *Released to Imaging: 8/1/2023 9:45:33 AM*

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Released to Imaging: 8/1/2023 9:45:33 AM



April 03, 2023

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

RE: Devon Thistle North CTB

OrderNo.: 2303C35

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 4 sample(s) on 3/24/2023 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:

Analytical Report Lab Order 2303C35

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/3/2023 **CLIENT:** Safety & Environmental Solutions Client Sample ID: #7-1ft **Project:** Devon Thistle North CTB Collection Date: 3/22/2023 2:09:00 PM 2303C35-001 Matrix: SOIL Received Date: 3/24/2023 7:25:00 AM Analyses Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: SNS

Chloride	ND	61	mg/Kg	20	3/30/2023 9:16:02 AM	74020
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	PRD
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/30/2023 9:44:46 PM	74034
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/30/2023 9:44:46 PM	74034
Surr: DNOP	99.4	69-147	%Rec	1	3/30/2023 9:44:46 PM	74034
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/30/2023 10:40:00 AM	73993
Surr: BFB	87.7	37.7-212	%Rec	1	3/30/2023 10:40:00 AM	73993
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.024	mg/Kg	1	3/30/2023 10:40:00 AM	73993
Toluene	ND	0.048	mg/Kg	1	3/30/2023 10:40:00 AM	73993
Ethylbenzene	ND	0.048	mg/Kg	1	3/30/2023 10:40:00 AM	73993
Xylenes, Total	ND	0.097	mg/Kg	1	3/30/2023 10:40:00 AM	73993
Surr: 4-Bromofluorobenzene	85.7	70-130	%Rec	1	3/30/2023 10:40:00 AM	73993

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 standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

Page 1 of 8

Project:

Lab ID:

Analyses

Analytical Report Lab Order 2303C35

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/3/2023 **CLIENT:** Safety & Environmental Solutions Client Sample ID: #9-1ft Devon Thistle North CTB Collection Date: 3/22/2023 2:31:00 PM 2303C35-002 Matrix: SOIL Received Date: 3/24/2023 7:25:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: SNS

Chloride	ND	60	mg/Kg	20	3/30/2023 9:28:27 AM	74020
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst:	PRD
Diesel Range Organics (DRO)	19	9.8	mg/Kg	1	3/30/2023 10:16:40 PM	74034
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/30/2023 10:16:40 PM	74034
Surr: DNOP	97.4	69-147	%Rec	1	3/30/2023 10:16:40 PM	74034
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/30/2023 11:45:00 AM	73993
Surr: BFB	89.1	37.7-212	%Rec	1	3/30/2023 11:45:00 AM	73993
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.025	mg/Kg	1	3/30/2023 11:45:00 AM	73993
Toluene	ND	0.049	mg/Kg	1	3/30/2023 11:45:00 AM	73993
Ethylbenzene	ND	0.049	mg/Kg	1	3/30/2023 11:45:00 AM	73993
Xylenes, Total	ND	0.099	mg/Kg	1	3/30/2023 11:45:00 AM	73993
Surr: 4-Bromofluorobenzene	86.4	70-130	%Rec	1	3/30/2023 11:45:00 AM	73993

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 standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- Reporting Limit
- RL

Page 2 of 8

Analytical Report Lab Order 2303C35

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Devon Thistle North CTB

Date Reported: 4/3/2023 Client Sample ID: #9-2ft Collection Date: 3/22/2023 3:01:00 PM

Lab ID: 2303C35-003	Matrix: SOIL		Received Dat	e: 3/2	24/2023 7:25:00 AM	i				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	SNS				
Chloride	ND	60	mg/Kg	20	3/30/2023 9:40:51 AM	74020				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: PRD				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/30/2023 10:37:41 PM	74034				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/30/2023 10:37:41 PM	74034				
Surr: DNOP	99.6	69-147	%Rec	1	3/30/2023 10:37:41 PM	74034				
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	CCM				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/30/2023 12:50:00 PM	73993				
Surr: BFB	87.3	37.7-212	%Rec	1	3/30/2023 12:50:00 PM	73993				
EPA METHOD 8021B: VOLATILES					Analyst	: CCM				
Benzene	ND	0.023	mg/Kg	1	3/30/2023 12:50:00 PM	73993				
Toluene	ND	0.047	mg/Kg	1	3/30/2023 12:50:00 PM	73993				
Ethylbenzene	ND	0.047	mg/Kg	1	3/30/2023 12:50:00 PM	73993				
Xylenes, Total	ND	0.093	mg/Kg	1	3/30/2023 12:50:00 PM	73993				
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	3/30/2023 12:50:00 PM	73993				

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit

RL

Page 3 of 8

Project:

Lab ID:

Analytical Report Lab Order 2303C35

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2303C35-004

Devon Thistle North CTB

Date Reported: 4/3/2023

Client Sample ID: #15-1ft Collection Date: 3/22/2023 2:48:00 PM Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SNS
Chloride	2200	150	mg/Kg	50	3/31/2023 7:48:40 AM	74020
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	PRD
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/30/2023 10:48:16 PM	74034
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/30/2023 10:48:16 PM	74034
Surr: DNOP	101	69-147	%Rec	1	3/30/2023 10:48:16 PM	74034
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/30/2023 1:11:00 PM	73993
Surr: BFB	89.3	37.7-212	%Rec	1	3/30/2023 1:11:00 PM	73993
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.024	mg/Kg	1	3/30/2023 1:11:00 PM	73993
Toluene	ND	0.048	mg/Kg	1	3/30/2023 1:11:00 PM	73993
Ethylbenzene	ND	0.048	mg/Kg	1	3/30/2023 1:11:00 PM	73993
Xylenes, Total	ND	0.095	mg/Kg	1	3/30/2023 1:11:00 PM	73993
Surr: 4-Bromofluorobenzene	84.9	70-130	%Rec	1	3/30/2023 1:11:00 PM	73993

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit
- RL

Page 4 of 8

•	& Environmental Solutions a Thistle North CTB			
Sample ID: MB-74020 Client ID: PBS	SampType: MBLK Batch ID: 74020	TestCode: EPA Method RunNo: 95700	300.0: Anions	
Prep Date: 3/30/2023	Analysis Date: 3/30/2023	SeqNo: 3463677	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-74020	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 74020	RunNo: 95700		
Prep Date: 3/30/2023	Analysis Date: 3/30/2023	SeqNo: 3463678	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 92.6 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 8

2303C35

03-Apr-23

•	v & Environmental S n Thistle North CTB								
Sample ID: MB-74034	SampType: N	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 7	4034	F	RunNo: 9	5677				
Prep Date: 3/30/2023	Analysis Date:	3/30/2023	S	SeqNo: 34	463183	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	9.6	10.00		96.5	69	147			
Sample ID: LCS-74034	SampType: L	cs	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 7	4034	F	RunNo: 9	5677				
Prep Date: 3/30/2023	Analysis Date:	3/30/2023	S	SeqNo: 34	463186	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41 10) 50.00	0	81.1	61.9	130			
Surr: DNOP	4.9	5.000		97.7	69	147			
Sample ID: 2303C35-001A	MS SampType: N	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: #7-1ft	Batch ID: 7	4034	F	RunNo: 9	5677				
Prep Date: 3/30/2023	Analysis Date:	3/30/2023	S	SeqNo: 34	463204	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42 9.5	5 47.57	0	88.8	54.2	135			
Surr: DNOP	5.0	4.757		106	69	147			
Sample ID: 2303C35-001A	MSD SampType: N	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: #7-1ft	Batch ID: 7	4034	F	RunNo: 9	5677				
Prep Date: 3/30/2023	Analysis Date:	3/30/2023	S	SeqNo: 34	463205	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46 9.9	9 49.50	0	92.0	54.2	135	7.53	29.2	
Surr: DNOP	5.2	4.950		105	69	147	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 standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в

- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

2303C35

03-Apr-23

Client: Project:	•	Environme nistle North		olutions							
Sample ID:	lcs-73993	SampTy	/pe: LC	S	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: 73	993	R	unNo: 9	5676				
Prep Date:	3/28/2023	Analysis Da	ate: 3/	30/2023	S	eqNo: 34	462547	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	5.0	25.00	0	91.5	70	130			
Surr: BFB		2000		1000		205	37.7	212			
Sample ID:	mb-73993	SampTy	/pe: ME	BLK	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: 73	993	R	unNo: 9	5676				
Prep Date:	3/28/2023	Analysis Da	ate: 3/	30/2023	S	eqNo: 34	462548	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		880		1000		87.8	37.7	212			
Sample ID:	2303c35-001ams	SampTy	/pe: MS	3	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:											
Client ID:	#7-1ft	Batch	ID: 73	993	R	unNo: 9	5676				
Prep Date:		Batch Analysis Da				unNo: 9 eqNo: 3 4		Units: mg/K	g		
				30/2023				Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date: Analyte		Analysis Da	ate: 3/	30/2023	S	eqNo: 34	462550	•	•	RPDLimit	Qual
Prep Date: Analyte	3/28/2023	Analysis Da Result	ate: 3/ PQL	30/2023 SPK value	S SPK Ref Val	eqNo: 34 %REC	462550 LowLimit	HighLimit	•	RPDLimit	Qual
Prep Date: Analyte Gasoline Rang Surr: BFB	3/28/2023	Analysis Da Result 24 2000	ate: 3/ PQL 4.8	30/2023 SPK value 24.06 962.5	SPK Ref Val 0	eqNo: 34 %REC 98.6 210	462550 LowLimit 70 37.7	HighLimit 130	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB	3/28/2023 ge Organics (GRO) 2303c35-001amsd	Analysis Da Result 24 2000 SampTy	ate: 3/ PQL 4.8	30/2023 SPK value 24.06 962.5	S SPK Ref Val 0 Test	eqNo: 34 %REC 98.6 210	462550 LowLimit 70 37.7 PA Method	HighLimit 130 212	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	3/28/2023 ge Organics (GRO) 2303c35-001amsd #7-1ft	Analysis Da Result 24 2000 SampTy	Ate: 3/ PQL 4.8 /pe: MS ID: 73	30/2023 SPK value 24.06 962.5 SD 993	S SPK Ref Val 0 Test R	eqNo: 34 %REC 98.6 210 Code: EF	462550 LowLimit 70 37.7 PA Method 5676	HighLimit 130 212	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	3/28/2023 ge Organics (GRO) 2303c35-001amsd #7-1ft	Analysis Da Result 24 2000 SampTy Batch	Ate: 3/ PQL 4.8 /pe: MS ID: 73	30/2023 SPK value 24.06 962.5 SD 993 30/2023	S SPK Ref Val 0 Test R	eqNo: 34 %REC 98.6 210 Code: EF unNo: 98	462550 LowLimit 70 37.7 PA Method 5676	HighLimit 130 212 8015D: Gaso	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	3/28/2023 ge Organics (GRO) 2303c35-001amsd #7-1ft	Analysis Da Result 24 2000 SampTy Batch Analysis Da	ate: 3/ PQL 4.8 /pe: MS ID: 73 ate: 3/	30/2023 SPK value 24.06 962.5 SD 993 30/2023	S SPK Ref Val 0 Test R S	eqNo: 34 %REC 98.6 210 Code: EF unNo: 98 eqNo: 34	462550 LowLimit 70 37.7 PA Method 5676 462551	HighLimit 130 212 8015D: Gaso Units: mg/K	%RPD	e	

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2303C35

03-Apr-23

•	& Environm Thistle Nort		olutions							
Sample ID: Ics-73993	Samp ⁻	Гуре: LC	S	Test	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 73 9	993	R	unNo: 9	5676				
Prep Date: 3/28/2023	Analysis [Date: 3/	30/2023	S	eqNo: 34	462553	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.4	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.6	70	130			
Sample ID: mb-73993	Samp	Гуре: МЕ	BLK	Test	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 73 9	993	R	tunNo: 9	5676				
Prep Date: 3/28/2023	Analysis [Date: 3/	30/2023	S	eqNo: 34	462554	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Foluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.4	70	130			
Sample ID: 2303C35-002AM	S Samp	Гуре: МS	5	Test	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: #9-1ft	Batc	h ID: 73	993	R	unNo: 9	5676				
Prep Date: 3/28/2023	Analysis [Date: 3/	30/2023	S	SeqNo: 34	462568	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	0.9901	0	89.5	68.8	120			
Toluene	0.89	0.050	0.9901	0	90.1	73.6	124			
Ethylbenzene	0.88	0.050	0.9901	0	88.7	72.7	129			
Xylenes, Total	2.6	0.099	2.970	0	87.9	75.7	126			
Surr: 4-Bromofluorobenzene	0.84		0.9901		84.6	70	130			
Sample ID: 2303C35-002AM	SD Samp	Гуре: МS	D	Test	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: #9-1ft	Batc	h ID: 73 9	993	R	lunNo: 9	5676				
Prep Date: 3/28/2023	Analysis [Date: 3/	30/2023	S	eqNo: 34	462569	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
, many to							100			
Benzene	0.90	0.025	0.9862	0	90.8	68.8	120	0.978	20	
Benzene Toluene	0.90 0.90	0.025 0.049	0.9862	0 0	90.8 91.0	73.6	120 124	0.575	20 20	
Benzene Toluene Ethylbenzene	0.90 0.90 0.89	0.049 0.049	0.9862 0.9862		91.0 89.8	73.6 72.7		0.575 0.829		
Benzene Toluene	0.90 0.90	0.049	0.9862	0	91.0	73.6	124	0.575	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- NDNot Detected at the Reporting LimitPQLPractical Quanitative Limit
- PQL Practical Quantative Limit S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2303C35

03-Apr-23

Released to Imaging:	8/1/2023	9:45:33 AM	

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com				heck List
Client Name: Safety & Environmental Solutions	Work Order Nun	nber: 2303C3	5		RoptNo:	1
Received By: Tracy Casarrubias	3/24/2023 7:25:00	AM				
Completed By: Tracy Casarrubias	3/24/2023 7:52:12	AM				
Reviewed By: DAD 3/24/23	;					
Chain of Custody				_	_	
1. Is Chain of Custody complete?		Yes 🗌	j No		Not Present	
2. How was the sample delivered?		Courier				
Log In 3. Was an attempt made to cool the sample	s?	Yes 🔽] No		NA 🗆	
4. Were all samples received at a temperatu	re 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) prop	erly preserved?	Yes 🗹	No			
8. Was preservative added to bottles?		Yes 🗌	No		NA 🗆	
9. Received at least 1 vial with headspace <	/4" for AQ VOA?	Yes 🗌	No		NA 🗹	
10. Were any sample containers received bro	ken?	Yes	No		# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No		for pH: (<2 or	>12 unless noted)
12. Are matrices correctly identified on Chain	of Custody?	Yes 🗹	No		Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹				
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No		Checked by:	5-24-23
Special Handling (if applicable)						
15. Was client notified of all discrepancies will	h this order?	Yes 🗋] N o		NA 🗹	
Person Notified:	Date					
By Whom:	Via:	🗌 eMail	Phone] Fax	In Person	
Regarding: Client Instructions:			1			
16. Additional remarks:				× 4		
17. <u>Cooler Information</u>						
Cooler No Temp C Condition	Seal Intact Seal No	Seal Date	Signed	By		
	es Morty					

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	AALL ENVIKONMENIAL ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis		əsq√ S ʻ⁺C SWI	од ' S0) NO ⁵ (L'1	504 2 1 .5 2 1 .5	510 () () ()	lethd 3 Md 3 Md 3 Md 3 Md 3 Md	B (N RA 8 F, E 70 (5					×			1 C. D. D. Marka Data. Antimation of the Loring Science System (Speech System) and the Science Scie		Deven	[11] David M. S. Strangelli M. A. D. R. Link and M. S. Shinakara, A. Shinakara, J. Shinakarara, J. Shinakara, J. Shinakara, J. Shinakarara, J. Shinakarar		sub-contracted data will be clearly notated on the analytical report.
			4901	Tel. 5		100	8.8C	O	4a /	05	19)	٩۶۲	08:H	ŀЧТ	X	X	k	X			_		Remarks:			sibility. Any
Turn-Around Time:	W Standard & Rush 5 Day	Project Name: Devon	Thishe North CTB	Project #:	DEV-23-001	Project Manager: Rob Allen)		Sampler: Roserto Matracz	I No mortu		Cooler Temp(Induding CF): 4. 2 - 0. 2 - 4. 0 (°C)	HEAL NO.	# Type 2303C35	402 Jar Ice 001 X		tce	Jar Ico					Via: Date Time	Γ.	U:F Chulz	Released to Imaging: 8/1/2023 9:45:33 AM
Chain-of-Custody Record	Client: Safet , & Environmental	Calebone 7.2		Hobbs WM 88240	#(575) 39	-ax#:	QA/QC Package:	X Standard Level 4 (Full Validation)	Accreditation:	D NELAC D Other	EDD (Type)			Date Time Matrix Sample Name	41-L# 5 60418222		32231501 5 #9-24	5-22-3 1448 5 # 15-1Ft					Date: Time: Relinquished by: 3223 1600 Roberto Mothner	Date; Time: Relinquished by:	9	Released to Imaging: 8/1/2023 9:45:33 AM

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April 14, 2023

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

RE: Devon Thistle North CTB

OrderNo.: 2304348

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 3 sample(s) on 4/7/2023 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 2304348

Date Reported: 4/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Client Sample ID: Hole 15 2' **Project:** Devon Thistle North CTB Collection Date: 4/5/2023 9:48:00 AM Lab ID: 2304348-001 Matrix: SOIL Received Date: 4/7/2023 7:30:00 AM Result **RL Oual** Units **DF** Date Analyzed Batch Analyses Analyst: SNS **EPA METHOD 300.0: ANIONS** Chloride ND 60 mg/Kg 20 4/12/2023 9:26:34 PM 74285 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH **Diesel Range Organics (DRO)** ND 8.7 mg/Kg 1 4/13/2023 4:04:26 PM 74270 Motor Oil Range Organics (MRO) ND 4/13/2023 4:04:26 PM mg/Kg 1 74270 44 Surr: DNOP 94.7 %Rec 4/13/2023 4:04:26 PM 69-147 1 74270 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM 4/12/2023 6:45:00 PM Gasoline Range Organics (GRO) ND 74262 4.9 mg/Kg 1 Surr: BFB 88.2 37.7-212 %Rec 4/12/2023 6:45:00 PM 74262 1 Ε СМ

	•••					
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	ND	0.024	mg/Kg	1	4/12/2023 6:45:00 PM	74262
Toluene	ND	0.049	mg/Kg	1	4/12/2023 6:45:00 PM	74262
Ethylbenzene	ND	0.049	mg/Kg	1	4/12/2023 6:45:00 PM	74262
Xylenes, Total	ND	0.097	mg/Kg	1	4/12/2023 6:45:00 PM	74262
Surr: 4-Bromofluorobenzene	85.6	70-130	%Rec	1	4/12/2023 6:45:00 PM	74262

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 standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank

- Е Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2304348

Date Reported: 4/14/2023

4/12/2023 7:06:00 PM

74262

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental Solution	ons	Cl	ient Sample II	D: Ho	ole 15 3'	
Project:	Devon Thistle North CTB		(Collection Dat	e: 4/5	5/2023 12:38:00 PM	
Lab ID:	2304348-002	Matrix: SOIL		Received Dat	e: 4/7	7/2023 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	SNS
Chloride		ND	60	mg/Kg	20	4/12/2023 9:38:59 PM	74285
EPA MET	HOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	DGH
Diesel Ra	ange Organics (DRO)	ND	8.7	mg/Kg	1	4/13/2023 4:27:01 PM	74270
Motor Oil	Range Organics (MRO)	ND	43	mg/Kg	1	4/13/2023 4:27:01 PM	74270
Surr: D	NOP	100	69-147	%Rec	1	4/13/2023 4:27:01 PM	74270
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	ССМ
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	4/12/2023 7:06:00 PM	74262
Surr: E	BFB	90.8	37.7-212	%Rec	1	4/12/2023 7:06:00 PM	74262
EPA MET	HOD 8021B: VOLATILES					Analyst	: CCM
Benzene		ND	0.023	mg/Kg	1	4/12/2023 7:06:00 PM	74262
Toluene		ND	0.047	mg/Kg	1	4/12/2023 7:06:00 PM	74262
Ethylbenz	zene	ND	0.047	mg/Kg	1	4/12/2023 7:06:00 PM	74262
Xylenes,	Total	ND	0.094	mg/Kg	1	4/12/2023 7:06:00 PM	74262

85.3

70-130

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit

RL

Page 2 of 7

Analytical Report Lab Order 2304348

Date Reported: 4/14/2023

4/12/2023 7:28:00 PM 74262

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	ns	Cl	ient Sample II	D: Ho	ole 15 4'	
Project: Devon Thistle North CTB		(Collection Dat	e: 4/5	5/2023 12:52:00 PM	
Lab ID: 2304348-003	Matrix: SOIL		Received Dat	e: 4/7	7/2023 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SNS
Chloride	81	60	mg/Kg	20	4/12/2023 10:16:13 PM	74285
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH
Diesel Range Organics (DRO)	130	9.9	mg/Kg	1	4/13/2023 4:37:41 PM	74270
Motor Oil Range Organics (MRO)	55	49	mg/Kg	1	4/13/2023 4:37:41 PM	74270
Surr: DNOP	95.9	69-147	%Rec	1	4/13/2023 4:37:41 PM	74270
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/12/2023 7:28:00 PM	74262
Surr: BFB	86.8	37.7-212	%Rec	1	4/12/2023 7:28:00 PM	74262
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.025	mg/Kg	1	4/12/2023 7:28:00 PM	74262
Toluene	ND	0.049	mg/Kg	1	4/12/2023 7:28:00 PM	74262
Ethylbenzene	ND	0.049	mg/Kg	1	4/12/2023 7:28:00 PM	74262
Xylenes, Total	ND	0.098	mg/Kg	1	4/12/2023 7:28:00 PM	74262

84.7

70-130

%Rec

1

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

* **Qualifiers:**

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 standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit

RL

Page 3 of 7

	y & Environmental Solutions n Thistle North CTB			
Sample ID: MB-74285	SampType: MBLK	TestCode: EPA Method	1 300.0: Anions	
Client ID: PBS	Batch ID: 74285	RunNo: 95984		
Prep Date: 4/12/2023	Analysis Date: 4/12/2023	SeqNo: 3475711	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-74285	SampType: LCS	TestCode: EPA Method	1 300.0: Anions	
Client ID: LCSS	Batch ID: 74285	RunNo: 95984		
Prep Date: 4/12/2023	Analysis Date: 4/12/2023	SeqNo: 3475712	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	15 1.5 15.00	0 101 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2304348

14-Apr-23

•	y & Environm n Thistle Nort		olutions							
Sample ID: LCS-74270	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 74	270	F	RunNo: 9	6013				
Prep Date: 4/12/2023	Analysis [Date: 4/	13/2023	S	SeqNo: 34	476725	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.9	61.9	130			
Surr: DNOP	4.6		5.000		92.9	69	147			
Sample ID: MB-74270	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 74 :	270	F	RunNo: 9	6013				
Prep Date: 4/12/2023	Analysis [Date: 4/	13/2023	S	SeqNo: 34	476729	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	9.7		10.00		96.6	69	147			

- * 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 standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

2304348

14-Apr-23

•	Environme histle North		lutions							
Sample ID: Ics-74262	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batch	ID: 742	262	R	RunNo: 9	5978				
Prep Date: 4/11/2023	Analysis D	ate: 4/	12/2023	S	SeqNo: 34	475392	Units: mg/K	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	89.8	70	130			
Surr: BFB	1900		1000		192	37.7	212			
Sample ID: mb-74262	SampT	уре: МЕ	BLK	Test	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batch	ID: 742	262	R	RunNo: 9	5978				
Prep Date: 4/11/2023	Analysis D	ate: 4/	12/2023	S	SeqNo: 34	475394	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	910		1000		90.6	37.7	212			

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2304348

14-Apr-23

•	& Environm		olutions							
Project: Devon	Thistle Nort	h CTB								
Sample ID: Ics-74262	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 74	262	F	RunNo: 9	5978				
Prep Date: 4/11/2023	Analysis [Date: 4/	12/2023	S	SeqNo: 3	475411	Units: mg/#	(g		
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	0.90	0.050	1.000	0	89.5	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.4	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.5	70	130			
Sample ID: mb-74262	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 74	262	F	RunNo: 9	5978				
Prep Date: 4/11/2023	Analysis [Date: 4/	12/2023	S	SeqNo: 3	475412	Units: mg/k	ſg		
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	0.86		1.000		86.5	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 standard limits. If undiluted results may be estimated.
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- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2304348 14-Apr-23

HALL ENVIRONN ANALYSIS LABORATO		TEL:	Environmenta All 505-345-397. Bisite: www.h	490 buquerg 5 FAX:	I Hawkin ue, NM 87 505-345-4	^{NE} 7109 Sa m 7107	nple Log-In (Check List
	ety & Environmental Itions	Work O	rder Numbe	r: 2304	1348		RcptN	D: 1
Received By: Tra	icy Casarrubias	4/7/2023	7:30:00 AM					
Completed By: Tra	cy Casarrubias	4/7/2023	8:34:00 AM					
Reviewed By: JN	4/7/23							
Chain of Custody	(
1. Is Chain of Custod	y complete?			Yes		No 🗹	Not Present 🗌	
2. How was the samp	le delivered?			<u>Cou</u>	rier			
Log In 3. Was an attempt ma	ade to cool the samp	les?		Yes		No 🗌	NA 🗌	
4. Were all samples re	eceived at a tempera	ture of >0° C to	6.0°C	Yes		No 🗖		
5. Sample(s) in prope	r container(s)?			Yes		No 🗌		
6. Sufficient sample v	olume for indicated te	est(s)?		Yes		No 🗔		
7. Are samples (except	ot VOA and ONG) pro	perly preserved	?	Yes	\checkmark	No 🗆		
8. Was preservative a	dded to bottles?			Yes		No 🗹	NA 🗆	
9. Received at least 1	vial with headspace	<1/4" for AQ VO	A?	Yes		No 🗔	NA 🗹	
10. Were any sample o	containers received b	roken?		Yes		No 🗹 🗍	# of preserved	/
11. Does paperwork ma (Note discrepancies	atch bottle labels? s on chain of custody)		Yes		No 🗆	bottles checked for pH:	or >12 unless noted)
12. Are matrices correc	tly identified on Chai	n of Custody?		Yes		No 🗆	Adjusted?	/
13. Is it clear what anal	yses were requested	?		Yes	\checkmark	No 🗆		
14. Were all holding tim (If no, notify custom	nes able to be met? ner for authorization.)			Yes		No 🗋	Checked by:	cla 4.7.23
Special Handling	(if applicable)							
15. Was client notified		with this order?		Yes		No 🗆	NA 🗹	
Person Notifi By Whom: Regarding: Client Instruc		il on COC- TMC	Date: Via: 4/7/23	[] eM:	ail 📋 P	hone 🗌 Fax	In Person	
16. Additional remarks				alles!			And a second sec	
17. <u>Cooler Information</u>		*	Seal No	Seal D	ate	Signed By		
			1					

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Released to Imaging: 8/1/2023 9:45:33 AM

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		4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	*OS	s,8(021 150	1002; 1025;	3/si 10 1 '() () () () () () () () () () () () () ()	estic by 8 by Ms by Ms by Ac	08:H9 18081 Pd 2018 (W 2018 (W 2018 (W 2018 (C 2018 (C 2018 (C 2018 (C 2018 (C 2018 (C 2018 (C 2018 (C 2018 (C 2018 (C) 2018 (C)	3		X						15	Piper Bill to Deven		This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. 4477272 ; 33
	5 Davy	4			(1:	(802) 5,8		I No unai	24	(0.) KS=Q-	HEAL NO.			003 X			the second se				3	Date Time 4/6/33 1100	
Turn-Around Time:	Deve	Thistle worth CTIS	Project #:	10-06-120	Project Manager:	Bob #/181			On Ice: tx Yes	# of Coolers: /	Cooler Temp(Including CF); 54	Container Preservative Twne and # Twne	, He	File	Joz	•					Received by: Via:	and	Received by: Via:	ontracted to other accredited taboratorie
Chain-of-Custody Record	Client: Set + Environmented	703 E. Clinton	M 88240	Phone #: 575 397 0510		:e0	K Standard D Level 4 (Full Validation)	on: 🗆 Az Compliance	Other	EDD (Type)		Date Time Matrix Sample Name	09:48 5 Hole 15 3'		_						Relinquished by:	16:01 Hayten Hole	Hold 1100 May Brych	Releations to programs. By A. 2021, 19, 19, 19, 19, 19, 19, 19, 19, 19, 1

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

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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

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	176027
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	THISTLE NORTH CENTRAL CTB
Date Release Discovered	01/13/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release

Crude Oil Released (bbls) Details	Cause: Equipment Failure Pump Crude Oil Released: 7 BBL Recovered: 7 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 5 BBL Recovered: 5 BBL Lost: 0 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Leap operator arrived on location to find a spill in containment. The spill came from a worn seal on a transfer pump. The pump was shut down and isolated to stop the leak. Spill did n leave the lined containment.

QUESTIONS

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

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

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	176027
	Action Type:
	[NOTIEY] Notification Of Release (NOR)

QUESTIONS

L.

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	No, minor release.
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	Not answered.
If YES, was immediate notice given to the OCD, to whom	Not answered.
If YES, was immediate notice given to the OCD, when	Not answered.
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after disc	overy of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the	

on. If remedial efforts have been suc ssfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

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

ACKNOWLEDGMENTS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	176027
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

$\overline{\mathbf{v}}$	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
	l acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
	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.
V	I acknowledge the fact that 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.
V	I acknowledge the fact that, 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.

ACKNOWLEDGMENTS

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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	176027	
	Action Type:	
	[NOTIFY] Notification Of Release (NOR)	

CONDITIONS

Created By	Condition	Condition Date
wdale	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141.	1/14/2023

Action 176027

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District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141

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Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude	

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (bbls)	Volume Recovered (bbls)
Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	I
	Volume Released (bbls) Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? Volume Released (bbls) Volume Released (Mcf)

Page	2
1 uge	-

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name:	Title:
Signature: Kendra Ruiz	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date: 01/19/2023

Spills In Lined Containment			
Measurements Of Standing Fluid			
Length(Ft)	20		
Width(Ft)	21		
Depth(in.)	0.001		
Total Capacity without tank displacements (bbls)	12.00		
No. of 500 bbl Tanks			
In Standing Fluid	2		
No. of Other Tanks In			
Standing Fluid			
OD Of Other Tanks In Standing Fluid(feet)			
Total Volume of standing fluid accounting for tank displacement.	11.99		

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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	177717	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	

CONDITIONS

Created By		Condition Date
jharimon	None	1/19/2023

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Received by OCD: 5/12/2023 3:05:53 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident IDnAPP2301424910District RPFacility IDApplication ID

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗶 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗶 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗶 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗶 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗶 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗶 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗶 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗶 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗶 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- Data table of soil contaminant concentration data
- \mathbf{X} Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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			Incident ID	nAPP2301424910
Page 4			District RP	
			Facility ID	
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regulations all operators are requ public health or the environment failed to adequately investigate a addition, OCD acceptance of a C and/or regulations. Printed Name: <u>Dale Wood</u> Signature: <u>Dale Wood</u> email: <u>Dale.Wodall@d</u>	dall	ifications and perform c OCD does not relieve the eat to groundwater, surfa	orrective actions for rele e operator of liability sha ace water, human health liance with any other fe ental Professional	eases which may endanger ould their operations have or the environment. In
OCD Only				
Received by:		Date:		

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

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Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. X Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. X Extents of contamination must be fully delineated. X Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Dale Woodall Printed Name: Title: Environmental Professional Dale Woodall 5/12/2023 Signature: Date: Telephone: 575-748-1838 email: Dale.Wodall@dvn.com OCD Only Date: Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Oil Conservation Division

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Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC X Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) 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. _____ Title: ____ Environmental Professional Printed Name: Dale Woodall Signature: Dale Woodall Date: _ 5/12/2023 Telephone: 575-748-1838 email: Dale.Wodall@dvn.com **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Printed Name: Title:

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	216599
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Conditions		
Created By	Condition	Condition Date
nvelez	Liner inspection deferral approved. Remediation required at time of plug and abandonment or major facility deconstruction.	8/1/2023

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