Volume calculator

There was no volume calculator prepared when the spill occurred.

Devon Energy Ross Ranch 10 Fed #001

Deferral Request Report Section 10, T26S, R31E Lea County, New Mexico

Incident ID: nAB1915042001 (2RP-5457)

June 18, 2020 Amended July 16, 2024



Prepared for: Devon Energy P.O. Box 250 Artesia, NM 88211

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	575-748-1838	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 site remediation on the Ross Ranch 10 Fed #001.

According to the C-141's beginning with the latest incident: Lightning struck the water tank on May 13, 2019. This caused the bottom of the tank to become severed. The tank was located inside the containment. All fluids emptied into the containment. This would create a major reconstruction of this area of the facility, therefore SESI was consulted to remediate the site. Impacted area at the site was remediated in accordance with NMOCD and BLM guidelines respectively to close all open remediation permits.

Surface and Ground Water

According to research of The New Mexico Office of the State Engineer there were no records for Township 26S, Range 31E, and Section 10, however the records indicate depth to groundwater to be an average of 317' bgs. for this area. The nearest POD for this site is C 02090 with a depth to water of 335' bgs.

On April 17, 2023, a temporary well with the identifier POD 1 (TW-1)/OSE File Number C-4700 was drilled 55 feet below the surface of the ground. No groundwater was discovered. The POD is located approximately 0.35 miles northwest of the Ross Ranch 10 Fed #001.

Characterization

This has been remediated in accordance the NMOCD published guidelines (July 24, 2018). The site ranking and soil screening levels as presented in the table below:

		Table I	
	Closure Criteria for	Soils Impacted by a Release	
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/I TDS	Constituent	Method*	Limit**
	Chloride***	EPA 300.0 or SM4500 CI B	600 mg/kg
	ТРН	EPA SW-846	100 mg/kg
< 50 feet	(GRO+DRO+MRO)	Method 8015M	TOO HIG/Kg
_	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
	Chloride***	EPA 300.0 or SM4500 CI B	10,000 mg/kg
P4 5 - 4 400 5 - 4	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
51 feet-100 feet	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
5 400 fe st	Chloride***	EPA 300.0 or SM4500 CI B	20,000 mg/kg
>100 feet	ТРН	EPA SW-846 Method 8015M	2,500 mg/kg

	Closure Criteria for	Table I Soils Impacted by a Release	
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
	(GRO+DRO+MRO)		
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division.

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

The soil classification for this area is of the Simona-Pajarito association: Sandy, deep soils and soils that are shallow to caliche, from wind-worked deposits.

Work Performed

Incident ID: nAB1915042001 (Remediation Permit Number 2RP-5457)

June 07, 2019, SESI was onsite to determine the locations for auger hole installation for soil testing of the release area. At this time all tanks from the battery had been relocated and reconstruction had begun, due to the lightening strike that occurred at the facility on May 13, 2019. There were a total of twelve (12) auger holes installed. Soil samples were collected from the spill location at both the surface level and a depth of 1'.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (CI 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:

	^{lli} 91 1 2		Devon	Energy				1				
	ALC: NO	R	oss Ranch	10 Fed 1 SW	D							
Soil Sample Results: Hall Environmental Analysis Laboratory, Inc. Tank Area 06/07/2019												
Sample ID	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)				
AH-1 Surface	1200	ND	ND	ND	ND	ND	ND	ND				
AH-1 @ 1ft	710	ND	ND	ND	ND	ND	ND	ND				
AH-2 Surface	1200	ND	ND	ND	ND	ND	120	100				
AH-2 @ 1ft	460	ND	ND	ND	ND	ND	ND	ND				
AH-3 Surface	170	ND	ND	ND	ND	ND	11	ND				
AH-3 @ 1ft	160	ND	ND	ND	ND	ND	14	ND				
AH-4 Surface	4300	ND	ND	ND	ND	ND	ND	ND				
AH-4 @ 1ft	130	ND	ND	ND	ND	ND	ND	ND				
AH-5 Surface	2200	ND	ND	ND	ND	ND	3100	2700				

		D		Energy 10 Fed 1 SW	D			
Soil San	nple Results:					ank Area 0	6/07/2019	S. Tak
Sample ID	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
AH-5 @ 1ft	110	ND	ND	ND	ND	ND	25	ND
AH-6 Surface	2800	ND	ND	ND	ND	ND	2400	1500
AH-6 @ 1ft	99	ND	ND	ND	ND	ND	ND	ND
AH-7 Surface	1300	ND	ND	ND	ND	ND	15	ND
AH-7 @ 1ft	5100	ND	ND	ND	ND	ND	80	72
AH-8 Surface	4700	ND	ND	ND	ND	ND	110	92
AH-8 @ 1ft	6100	ND	ND	ND	ND	ND	77	70
AH-9 Surface	2300	ND	ND	ND	ND	ND	160	170
AH-9 @ 1ft	1000	ND	ND	ND	ND	ND	22	ND
AH-10 Surface	700	ND	ND	ND	ND	ND	940	750
AH-10 @ 1ft	1500	ND	ND	ND	ND	ND	16	ND
AH-11 Surface	4700	ND	ND	ND	ND	ND	56	75
AH-11 @ 1ft	1500	ND	ND	ND	ND	ND	28	ND
AH-12 Surface	2100	ND	ND	ND	ND	ND	ND	ND
AH-12 @ 1ft	1500	ND	ND	ND	ND	ND	17	ND

Sample results indicate that all samples were below Table 1 standards, except AH-5 Surface Sample and AH-6 Surface Sample. AH-5 and AH-6 were both excavated to a depth of 1' in the same sampling and the TPH level results on both were below Table 1 Standards.

On September 7, 2023, SESI was onsite to collect confirmation samples. There were a total of twelve (12) confirmation samples collected from the north side of the battery containment.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (CI 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 Energy Ross Ranch 10 Fed 1 SWD Soil Sample Results: Hall Environmental Analysis Laboratory, Inc. Tank Area 09/07/2023														
Sample ID															
SP1-Surface (CS)	ND	ND	ND	ND	ND	ND	160	220							
SP1-1 ft (CS)	ND	ND	ND	ND	ND	ND	ND	ND							
SP1-2 ft (CS)	ND	ND	ND	ND	ND	ND	ND	ND							
SP2-Surface (CS)	230	ND	ND	ND	ND	ND	ND	ND							
SP2-1 ft (CS)	ND	ND	ND	ND	ND	ND	ND	ND							
SP2-2 ft (CS)	74	ND	ND	ND	ND	ND	ND	ND							
SP3-Surface (CS)	1100	ND	ND	ND	ND	ND	26	71							

	Devon Energy												
Ross Ranch 10 Fed 1 SWD													
Soil Sample Results: Hall Environmental Analysis Laboratory, Inc. Tank Area 09/07/2023													
Sample IDChloride (mg/kg)Benzene (mg/kg)Toluene (mg/kg)EthylTotal BenzeneGRODROMRO(mg/kg)(mg/kg)(mg/kg)(mg/kg)(mg/kg)(mg/kg)(mg/kg)(mg/kg)(mg/kg)													
SP3-1 ft (CS)	ND	ND	ND	ND	ND	ND	ND	ND					
SP3-2 ft (CS)	ND	ND	ND	ND	ND	ND	ND	ND					
SP4-Surface (CS)	320	ND	ND	, ND	ND	ND	ND	ND					
SP4-1 ft (CS)	520	ND	NĎ	ND	ND	ND	ND	ND					
SP4-2 ft (CS)	190	ND	ND	ND	ND	ND	14	49					

The above sample results indicate that all samples are below Table 1 standards.

On June 19, 2024, SESI was onsite to collect confirmation samples, at the request of Deveon Energy. A total of 17 confirmation samples were taken.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (CI 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:

	Sum -			Energy				
				10 Fed 1 SW				<u>,</u>
	nple Results							
Sample ID	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
CS5 – Surface	82	ND	ND	ND	ND	ND	ND	ND
CS5 - 1 ft	200	ND	ND	ND	ND	ND	ND	ND
CS6 - Surface	440	ND	ND	ND	ND	ND	ND	ND
CS6 -1 ft	170	ND	ND	ND	ND	ND	ND	ND
CS7 -Surface	170	ND	ND	ND	ND	ND	ND	ND
CS7 - 1 ft	440	ND	ND	ND	ND	ND	ND	ND
CS8 - Surface	2400	ND	ND	ND	ND	ND	ND	ND
CS8 – 1 ft	2100	ND	ND	ND	ND	ND	ND	ND
CS8 – 2 ft	1900	ND	ND	ND	ND	ND	ND	ND
CS8 – 3 ft	1400	ND	ND	ND	ND	ND	ND	ND
CS8 – 4 ft	2200	ND	ND	ND	ND	ND	ND	ND
CS9 – Surface	140	ND	ND	ND	ND	ND	ND	ND
CS9 – 1 ft	170	ND	ND	ND	ND	ND	ND	ND
CS10 – Surface	ND	ND	ND	ND	ND	ND	ND	ND
CS10 – 1ft	ND	ND	ND	ND	ND	ND	ND	ND
CS11 – Surface	ND	ND	ND	ND	ND	ND	11	ND
CS11 – 1 ft	78	ND	ND	ND	ND	ND	ND	ND

The above sample results are below Table 1 Standards. CS8 was sampled at the surface and in 1 foot intervals up to 4 foot where refusal occurred. If you refer to the attached Map you will notice that CS8 is located immediately adjacent to the southwest corner of the containment wall. Excavation in the area where CS8 is located is not safe due to current infrastructure of the battery.

Conclusion

The remedial actions taken at the time of the release was to recover the entire volume of the fluid released into the lined containment. No fluids were released to the environment. All of the above sample results that have been provided above meet the Table 1 requirements, except 06/19/2024 CS-8. This sample point is located immediately adjacent to the southwest corner of the containment, current infrastructure causes this area to not be remediated without compromising the integrity of the infrastructure. On behalf of Devon Energy, SESI respectfully requests deferral of the small area at sample point CS8 until closure of the facility.

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 area Document 7: Lab Analysis Document 8: C-141 initial, final



Received by OCD: 7/17/2024 8:48:03 AM

	Wat							20		~		Engineer th to V		r
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orpha C=the fil closed)	ned, e is	(qu						E 3=SW argest)		3 UTM in meter	rs)	(In feet)	
		POD Sub-		0	0	0							v	Vater
POD Number	Code		County	-		-	Sec	Tws	Rng	х	Y	DepthWellDep		
<u>C 01777</u>		С	ED				08	26S	31E	613245	3547409* 👸	325	300	25
<u>C 02090</u>		С	ED		4	4	01	26S	31E	620329	3548533*	350	335	15
<u>C 02248</u>		CUB	ED	1	2	3	08	26S	31E	612942	3547316*	300	292	8
<u>C 02249</u>		CUB	ED	1	2	3	08	26S	31E	612942	3547316*	300	292	8
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148	630	300	330
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279	700	365	335
C 04256 POD1		С	ED	4	4	2	01	26S	31E	620384	3549257	666	340	326
											Average Depth	to Water:	317 fee	et
											Minim	um Depth:	292 fee	et
											Maxim	um Depth:	365 fe	et

PLSS Search:

Township: 26S Range: 31E

*UTM location was derived from PLSS - see Help

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.

6/7/19 8:31 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

.

2904 W 2nd St. Roswell, NM 88201 voice 575.624.2420 fax: 575.624.2421 www.afkinseng.com



April 26, 2023

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well RecordC-04700 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-04700 Pod-1.

.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

.

Sincerely,

lacon Middle

Lucas Middleton

Enclosures: as noted above

£90 27 ___ = 4.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

- 27 2022 24,105

PAGE 1 OF 2

WELL TAG ID NO.

WW	W,OSe	e.state.	.nm.v

Z	OSE POD NO. POD 1 (TW)		well tag id no. N/A			OSE FILE NO(C-04700	S).			
)CATIO	WELL OWNER Devon Ener	R NAME(S)						PHONE (OPTI 575-748-183				
VELL LO	WELL OWNER 6488 7 Rive		ADDRESS					CITY Artesia		STAT NM		Z[P
GENERAL AND WELL LOCATION	WELL LOCATION		TITUDE	GREES 32	MINUTES 3	SECONDS 48.97	N		' REQUIRED; ONE QUIRED: WGS 84	TENTH OF	A SECOND	
NER	(FROM GPS	LOI	NGITUDE	103	45	47.89	W					
1. GE			NG WELL LOCATION TO T26S R31E NMPM		ESS AND COMMON I	LANDMARK	S – PLS	S (SECTION, TO	WNSHJIP, KANGI) WHERE A	VAILABLE	
	LICENSE NO.		NAME OF LICENSED						NAME OF WEL			
	124	9			ackie D. Atkins						ng Associates, Ji	nc.
	DRILLING ST 4/17/2		DRILLING ENDED 4/17/23		мрівтер well (FT) агу Well Materia	1117,77,75		LE DEPTH (FT) ±55	DEPTH WATE		COUNTERED (FT) V/A	
z	COMPLETED	WELL IS:	ARTESIAN	👔 DRY HOL	E T SHALLOW	(UNCONFIN	VED)		WATER LEVEL PLETED WELL	N/A	DATE STATIC	
[OIT]	DRILLING FL	UID:	I AIR	DUM I.	ADDITTVE	IS - SPECIFY	:					
RMA	DRILLING ME	ethod:	ROTARY THAM	MER 🗍 CABI	E TOOL 🚺 OTHE	R – SPECIFY	: F	Hollow Stem	Auger C	HECK HERE	IF PITLESS ADAF	TER IS
2. DRILLING & CASING INFORMATION	DEPTH (FROM	feet bgl) TO	BORE HOLE DIAM		MATERIAL AND/ GRADE each casing string, a	_	CON	ASING NECTION FYPE	CASING INSIDE DIA		ASING WALL	SLOT SIZE (inches)
CASI			(inches)		sections of screen)			ling diameter)	(inches)		(inches)	(increa)
8	0	55	±6.25		Soil Boring			-				
CIN										_		
RIL.						_				_		
2. D												
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		_									_	
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				1							1	1
	DEPTH (feet bgl)	BORE HOLE		ST ANNULAR SE				AMOU (cubic 1		METHO	
3. ANNULAR MATERIAL	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-	KANGE BY	E HN EI	CKVAL	(cubic)	leety	I Entoble	
E L					N	//A						
W												
ITA										_		
NN				1								
3. AI												
FOI	OSE INTER	NAL USF	1					WR-	20 WELL RECO	ORD & LO	G (Version 01/2	8/2022)
Parana becom	E NO.	and the second second			POD NO			TRN	NO.			

LOCATION

1	DEPTH (fo	et bgl)		COLOR AND) TYPE OF MATERIAL EN	COUNT	rered -	1	WATER	T	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATER	R-BEARING CAVITIES OR elemental sheets to fully des	FRACT	FURE ZONES		BEARING (YES / NO)		WATER- BEARING ZONES (gpm)
1	0	4	4	Sand, medium-fin	e grained, poorly, graded, ur	nconsoli	dated, brown		Y 🖌	N	
	4	30	36	Caliche	, with silt semi-consolidated	, white/t	an		Y √	N	
	30	55	25	Sand, fine-	grained, poorly, graded, unco	onsolida	ted, tan		Y √	N	
									Y	N	
									Y	N	
ы									Y	N	
VEL									Y	N	
OF									Y	N	
ð		_							Y	N	
ICL									Y	N	
ğ									Y	N	
EOI									Y	N	
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
R									Y	N	
4									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U		STIMATE YIELD	OF WATER-BEARING	STRATA: HER – SPECIFY:				L ESTIMATI L YIELD (gp		0.00
7	WELL TEST	TECT	ד פות דק . גדיו		A COLLECTED DURING V	WELL T	ESTING, INC	LUDIN BR THE	IG DISCHAR	.GE N ERIO	IETHOD, D.
RVISION	MISCELLA		IFORMATION: T	emporary well materia	l removed and soil boring	, backfi	lled using dr	ill cutti	ings from tot	_	
TEST; RIG SUPE			30		gs), then hydrated benton	ite chip			HER ZOZ	023	Phyllogia
EST	PRINTNAM	(E(S) OF I	DRILL RIG SUPE	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVIS	SION OI	F WELL CON	STRUC	TION OTHE	R TH	AN LICENSEE:
5, T)	Shane Eldric										
VTURE	CORRECT I	RECORD	OF THE ABOVE	DESCRIBED HOLE AN	EST OF HIS OR HER KNC D THAT HE OR SHE WIL PLETION OF WELL DRILI	L FILE	GE AND BEL THIS WELL F	IEF, TH RECOR	HE FOREGOI D WITH THI	NG I E STA	S A TRUE AND TE ENGINEER
6. SIGNATURE	Jack 1	Atkins		Jac	ckie D. Atkins				4/26/23	6	
ý		SIGNA	TURE OF DRILL	ER / PRINT SIGNEE	NAME				DA	TE	
P/O	OSE DATED	NAL TIPP					WR-20 WE	LL REC	CORD & LOC	i (Ver	sion 01/28/2022)
	<u>R OSE INTER</u> E NO.	MAL USE			POD NO.		TRN NO.				
	CATION					WELL	TAG ID NO.				PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Well	Engineer Well Number: C-04700 owner: Devon Energy		Phone No.:	575-748-1838
Maili	ng address: 6488 7 Rivers Hwy			
City:	Artesia	State:	New Mexico	Zip code: 88210
	ELL PLUGGING INFORMA Name of well drilling compan New Mexico Well Driller Lice	y that plugged well: Jac	kie D. Atkins (Atkins Enginee Ez	
3)				sor(s):
4)	Date well plugging began: 4	/25/23	Date well plugging conclude	led: 4/25/23
5)	GPS Well Location: La Lo	titude: <u>32</u> d ngitude: <u>103</u> d	eg, <u>3</u> min, <u>48</u> eg, <u>45</u> min, <u>47</u>	<u>.97</u> sec <u>89</u> sec, WGS 84
6)	Depth of well confirmed at in by the following manner: we	itiation of plugging as:	ft below ground le	vel (bgl),
7)	Static water level measured at	initiation of plugging:	n/aft bgl	
8)	Date well plugging plan of op	erations was approved by	the State Engineer:1/25/2	2023
9)	Were all plugging activities c differences between the approx	onsistent with an approve oved plugging plan and the	d plugging plan? Yes e well as it was plugged (atta	If not, please describ ch additional pages as needed):

Version: September 8, 2009 Page 1 of 2

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borchole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
-	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	
_	-				
-					
_	-		BY AND OBTAIN ABU5 = gallons 97 = gallons		
III. SIGN	NATURE:	cubic rards x 201	.97 = gallons	<u>995</u>	2023 #MI:403

For each interval plugged, describe within the following columns:

III. SIGNATURE:

I, Jackie D. Atkins I, Jackie D. Atkins , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

4/26/23

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

36-C-4700-WR-20 Well Record and Log-packetforsign

Final Audit Report

2023-04-26

Created:	2023-04-28
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA7kP8N6FF5p7DLtbacrXsBro4EK6_i7in

"36-C-4700-WR-20 Well Record and Log-packet-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2023-04-26 - 3:25:06 PM GMT- IP address: 64.17.82.146
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2023-04-26 3:25:29 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2023-04-26 - 3:51:06 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2023-04-26 - 3:54:42 PM GMT - Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2023-04-26 - 3:54:42 PM GMT

05E - 27 2023 m ;20



Received by OCD: 7/17/2024 8:48:03 AM

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Released to Imaging: 7/19/2024 2:31:23 PM











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

DEVON ENERGY ROSS RANCH 10 FEDERAL #1



Severed Tank 05-13-19



Interior of Containment 05-13-19



NW Corner of East side at completion 2019



06/19/24 CS11 inside lined containment



06/19/2024 CS10 inside lined containment



June 18, 2019 Bob Allen Safety & Environmental Solutions PO Box 1613 Hobbs, NM 88241 TEL: (575) 397-0510 FAX (575) 393-4388

RE: Devon Ross Ranch 10 Fed 1 Tank Pad

OrderNo.: 1906521

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 36 sample(s) on 6/11/2019 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,

andial

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Lab ID:

Analyses

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Client Sample ID: AH-1 Surface Collection Date: 6/7/2019 10:15:00 AM Devon Ross Ranch 10 Fed 1 Tank Pad Received Date: 6/11/2019 9:05:00 AM Matrix: SOIL 1906521-001 RL Qual Units DF Date Analyzed Batch Result

EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	1200	60	mg/Kg	20	6/15/2019 7:21:39 PM	45600
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/12/2019 7:43:59 PM	45506
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/12/2019 7:43:59 PM	45506
Surr: DNOP	104	70-130	%Rec	1	6/12/2019 7:43:59 PM	45506
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/12/2019 5:03:28 PM	45503
Surr: BFB	100	73.8-119	%Rec	1	6/12/2019 5:03:28 PM	45503
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/12/2019 5:03:28 PM	45503
Toluene	ND	0.050	mg/Kg	1	6/12/2019 5:03:28 PM	45503
Ethylbenzene	ND	0.050	mg/Kg	1	6/12/2019 5:03:28 PM	45503
Xylenes, Total	ND	0.10	mg/Kg	1	6/12/2019 5:03:28 PM	45503
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/12/2019 5:03:28 PM	45503

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

Qualifiers:

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

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

Page 1 of 32

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental S	Solutions	Cl	ient Sample II	D: Al	H-1 1ft	
Project:	Devon Ross Ranch 10 Fee	d 1 Tank Pad	(Collection Dat	e: 6 /7	7/2019 10:20:00 AM	
Lab ID:	1906521-002	Matrix: SOI	L	Received Dat	e: 6 /1	1/2019 9:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	MRA
Chloride		710	60	mg/Kg	20	6/15/2019 7:34:03 PM	45600
EPA MET	HOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst	TOM
Diesel Ra	ange Organics (DRO)	ND	9.7	mg/Kg	1	6/12/2019 8:58:23 PM	45506
	Range Organics (MRO)	ND	49	mg/Kg	1	6/12/2019 8:58:23 PM	45506
Surr: D		93.0	70-130	%Rec	1	6/12/2019 8:58:23 PM	45506
EPA MET	HOD 8015D: GASOLINE	RANGE				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/12/2019 6:15:34 PM	45503
Surr: E		99.6	73.8-119	%Rec	1	6/12/2019 6:15:34 PM	45503
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.024	mg/Kg	1	6/12/2019 6:15:34 PM	45503
Toluene		ND	0.049	mg/Kg	1	6/12/2019 6:15:34 PM	45503
Ethylben	zene	ND	0.049	mg/Kg	1	6/12/2019 6:15:34 PM	45503
Xylenes,	Total	ND	0.098	mg/Kg	1	6/12/2019 6:15:34 PM	45503
Surr: 4	4-Bromofluorobenzene	102	80-120	%Rec	1	6/12/2019 6:15:34 PM	45503

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 range due to dilution or matrix

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

Page 2 of 32

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Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

6/12/2019 7:27:23 PM

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

45503

45503

45503

45503

45503

45503

45503

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental Solu	tions		ient Sample II			
Project:	Devon Ross Ranch 10 Fed 1	Tank Pad	(Collection Dat	e: 6/7	7/2019 10:35:00 AM	
Lab ID:	1906521-003	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst:	MRA
Chloride		1200	60	mg/Kg	20	6/15/2019 8:48:28 PM	45603
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	TOM
Diesel R	ange Organics (DRO)	120	9.7	mg/Kg	1	6/12/2019 9:22:54 PM	45506
Motor O	Il Range Organics (MRO)	100	49	mg/Kg	1	6/12/2019 9:22:54 PM	45506
Surr:	DNOP	108	70-130	%Rec	1	6/12/2019 9:22:54 PM	45506
EPA ME	THOD 8015D: GASOLINE RAM	IGE				Analyst	NSB

4.9

73.8-119

0.025

0.049

0.049

0.098

80-120

ND

97.8

ND

ND

ND

ND

100

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

Qualifiers:

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

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

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Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT.	Safety & Environmental Sol	utions	Clie	ent Sample II): Al	H-2 lft		
	Devon Ross Ranch 10 Fed 1							
Project:								
Lab ID:	1906521-004	Matrix: SOIL		Received Date	e: 6/]	11/2019 9:05:00 AM		
Analyses		Result	RL (Qual Units	DF	Date Analyzed	Batch	
EPA MET	THOD 300.0: ANIONS					Analyst	MRA	
Chloride		460	60	mg/Kg	20	6/15/2019 9:00:52 PM	45603	
EPA ME	THOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	TOM	
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	6/12/2019 9:47:38 PM	45506	
Motor Oi	il Range Organics (MRO)	ND	49	mg/Kg	1	6/12/2019 9:47:38 PM	45506	
	DNOP	89.9	70-130	%Rec	1	6/12/2019 9:47:38 PM	45506	
EPA MET	THOD 8015D: GASOLINE RA	NGE				Analyst	NSB	
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	6/12/2019 7:51:08 PM	45503	
Surr: I	BFB	101	73.8-119	%Rec	1	6/12/2019 7:51:08 PM	45503	
EPA ME	THOD 8021B: VOLATILES					Analyst	NSB	
Benzene	2	ND	0.024	mg/Kg	1	6/12/2019 7:51:08 PM	45503	

beriz ND 0.048 mg/Kg 1 6/12/2019 7:51:08 PM Toluene mg/Kg 1 6/12/2019 7:51:08 PM Ethylbenzene ND 0.048 mg/Kg 0.097 6/12/2019 7:51:08 PM ND 1 Xylenes, Total 80-120 %Rec 1 6/12/2019 7:51:08 PM Surr: 4-Bromofluorobenzene 103

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

Qualifiers:

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

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

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45503

45503

45503

45503

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EPA METHOD 300.0: ANIONS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 8015D: GASOLINE RANGE

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

6/15/2019 9:13:16 PM

6/12/2019 8:14:49 PM

6/12/2019 10:12:21 PM 45506

6/12/2019 10:12:21 PM 45506 6/12/2019 10:12:21 PM 45506

Analyst: MRA

Analyst: TOM

Analyst: NSB

Analyst: NSB

45603

45503

45503

45503

45503

45503

45503

45503

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Analyses		Result	RL Qual Units	DF Date Analyzed	Batch			
Lab ID:	1906521-005	Matrix: SOIL	Received Date	e: 6/11/2019 9:05:00 AM				
Project:	Devon Ross Ranch 10 H	Fed 1 Tank Pad	Collection Date	e: 6/7/2019 10:55:00 AM				
CLIENT:	Safety & Environmenta	1 Solutions	Client Sample ID: AH-3 Surface					

170

11

ND

134

ND

96.4

ND

ND

ND

ND

98.4

60

10

50

5.0

S

70-130

73.8-119

0.025

0.050

0.050

0.099

80-120

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

20

1

1

1

1

1

1

1

1

1

1

Refer to the OC Summary report and sample	login	checklist for flagged C	OC data and	preservation information.
---	-------	-------------------------	-------------	---------------------------

Qualifiers:

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

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

Page 5 of 32

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 8015D: GASOLINE RANGE

Analytical Report
Lab Order 1906521

Date Reported: 6/18/2019

6/12/2019 10:37:12 PM 45506

6/12/2019 10:37:12 PM 45506

6/12/2019 10:37:12 PM 45506

6/12/2019 8:38:31 PM

Analyst: NSB

Analyst: NSB

45503

45503

45503

45503

45503

45503

45503

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental S	olutions	Client	Sample II): AF	I-3 1ft	
Project:Devon Ross Ranch 10 Fed 1 TaLab ID:1906521-006		d 1 Tank Pad	Coll	/2019 11:10:00 AM			
		Matrix: SOIL	Ree	ceived Dat	ate: 6/11/2019 9:05:00 AM		
Analyses	3	Result	RL Qu	al Units	DF	Date Analyzed	Batch
	THOD 300.0: ANIONS					Analys	it: MRA
Chloride		160	60	mg/Kg	20	6/15/2019 9:25:41 PM	45603
FPA MEI	THOD 8015M/D: DIESEL R	ANGE ORGANICS				Analys	st: TOM

14

ND

86.8

ND

97.4

ND

ND

ND

ND

99.1

9.8

49

4.8

70-130

73.8-119

0.024

0.048

0.048

0.096

80-120

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

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

Qualifiers:

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

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

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1906521-007

Project:

Lab ID:

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: AH-4 Surface **CLIENT:** Safety & Environmental Solutions Collection Date: 6/7/2019 11:15:00 AM Devon Ross Ranch 10 Fed 1 Tank Pad Received Date: 6/11/2019 9:05:00 AM Matrix: SOIL

lyst:	smb
PM	45603
lyst:	TOM
٩M	45506
٩M	45506
٩M	45506
lyst:	NSB
РМ	45503
PM	45503
lyst:	NSB
PM	45503
	AM AM AM alyst: PM PM

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

Qualifiers:

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

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

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Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

6/12/2019 9:25:46 PM

6/12/2019 9:25:46 PM

45503

45503

Hall Environmental Analysis Laboratory, Inc.

					_			
CLIENT	Safety & Environmental Sol	utions	Client Sample ID: AH-4 1ft					
Project:	Devon Ross Ranch 10 Fed 1	Tank Pad	unk Pad Collection Date: 6/7/2019 11:25:00 AM					
Lab ID:	1906521-008	Matrix: SOIL		Received Da	te: 6 /3	11/2019 9:05:00 AM		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS					Analyst	MRA	
Chloride		130	60	mg/Kg	20	6/15/2019 9:50:30 PM	45603	
EPA ME	THOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst	том	
Diesel F	ange Organics (DRO)	ND	9.8	mg/Kg	1	6/13/2019 9:53:06 AM	45506	
	il Range Organics (MRO)	ND	49	mg/Kg	1	6/13/2019 9:53:06 AM	45506	
Surr:	DNOP	81.0	70-130	%Rec	1	6/13/2019 9:53:06 AM	45506	
EPA ME	THOD 8015D: GASOLINE RA	NGE				Analyst	NSB	
Gasolin	e Range Organics (GRO)	ND	4.8	mg/Kg	1	6/12/2019 9:25:46 PM	45503	
Surr:	BFB	95.5	73.8-119	%Rec	1	6/12/2019 9:25:46 PM	45503	
EPA ME	THOD 8021B: VOLATILES					Analyst	: NSB	
Benzen	e	ND	0.024	mg/Kg	1	6/12/2019 9:25:46 PM	45503	
Toluene	1	ND	0.048	mg/Kg	1	6/12/2019 9:25:46 PM	45503	
Ethylbe	nzene	ND	0.048	mg/Kg	1	6/12/2019 9:25:46 PM	45503	
•						0// 0/00 / 0 0 0 0 0 DIA	45500	

ND

98.1

0.097

80-120

mg/Kg

%Rec

1

1

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

Qualifiers:

- Value exceeds Maximum Contaminant Level. ٠ D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s
- Analyte detected in the associated Method Blank в Value above quantitation range
- Е
- Analyte detected below quantitation limits l
- Р Sample pH Not In Range
- Reporting Limit RL

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Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906521

10 6/14/2019 9:54:13 AM

6/12/2019 9:49:23 PM

45506

45503

45503

45503

45503

45503

45503

45503

Analyst: NSB

Analyst: NSB

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution Project: Devon Ross Ranch 10 Fed 1 Ta							
Lab ID:	1906521-009	Matrix: SOIL	Re	ceived Date	e: 6 /1	1/2019 9:05:00 AM	
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	MRA
Chloride		2200	59	mg/Kg	20	6/15/2019 10:27:42 PM	45603
EPA MEI	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	TOM
Diesel R	ange Organics (DRO)	3100	100	mg/Kg	10	6/14/2019 9:54:13 AM	45506
Motor Oi	I Range Organics (MRO)	2700	500	mg/Kg	10	6/14/2019 9:54:13 AM	45506

0

ND

113

ND

ND

ND

ND

93.8

70-130

73.8-119

0.024

0.048

0.048

0.096

80-120

4.8

S

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

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

Qualifiers:

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

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

Page 9 of 32

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 8015D: GASOLINE RANGE

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

6/15/2019 11:04:56 PM 45603

6/12/2019 10:13:28 PM 45503

6/14/2019 8:41:57 AM

6/14/2019 8:41:57 AM

6/14/2019 8:41:57 AM

Analyst: TOM

Analyst: NSB

Analyst: NSB

45506

45506

45506

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

	THOD 300.0: ANIONS			Analy	st: MRA				
Analyses	5	Result	RL Qual Units	DF Date Analyzed	Batch				
Lab ID:	1906521-010	Matrix: SOIL	Received Date: 6 /11/2019 9:05:00 AM						
Project:	t: Devon Ross Ranch 10 Fed 1 Tank Pad		Collection Date: 6/7/2019 11:45:00 AM						
CLIENT:	: Safety & Environmental	Solutions	Client Sample ID: AH-5 1ft						

110

25

ND

77.2

ND

95.7

ND

ND

ND

ND

98.3

61

9.2

46

4.9

70-130

73.8-119

0.024

0.049

0.049

0.097

80-120

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

20

1

1

1

1

1

1

1

1

1

1

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

Qualifiers:

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

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

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Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qual Units	DF Date Analyzed	Batch					
Lab ID:	1906521-011	Matrix: SOIL	Received Dat	te: 6/11/2019 9:05:00 AM						
Project:	Devon Ross Ranch 10	Fed 1 Tank Pad	Collection Dat	e: 6/7/2019 11:50:00 AM						
CLIENT:	Safety & Environmenta	l Solutions	Client Sample ID: AH-6 Surface							

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	smb
Chloride	2800	150		mg/Kg	50	6/17/2019 4:59:18 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst:	TOM
Diesel Range Organics (DRO)	2400	95		mg/Kg	10	6/14/2019 11:07:25 AM	45506
Motor Oil Range Organics (MRO)	1500	480		mg/Kg	10	6/14/2019 11:07:25 AM	45506
Surr: DNOP	0	70-130	S	%Rec	10	6/14/2019 11:07:25 AM	45506
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Surr: BFB	108	73.8-119		%Rec	1	6/12/2019 11:02:17 PM	45503
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.025		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Toluene	ND	0.050		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Ethylbenzene	ND	0.050		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Xylenes, Total	ND	0.10		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	6/12/2019 11:02:17 PM	45503

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

Qualifiers:

- Value exceeds Maximum Contaminant Level. ٠ Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded н
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

RL Reporting Limit Page 11 of 32

EPA METHOD 300.0: ANIONS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 8015D: GASOLINE RANGE

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

6/15/2019 11:29:44 PM

6/14/2019 9:05:55 AM

6/14/2019 9:05:55 AM

6/14/2019 9:05:55 AM

6/12/2019 11:26:53 PM 45503

45603

45506

45506

45506

Analyst: TOM

Analyst: NSB

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

	THOD 300.0: ANIONS			Analy	st: MRA				
Analyses	8	Result	RL Qual Units	DF Date Analyzed	Batch				
Lab ID:	1906521-012	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM						
Project:	Devon Ross Ranch 10 F	ed 1 Tank Pad	Collection Dat	te: 6/7/2019 12:10:00 PM					
CLIENT: Safety & Environmental Solutions			Client Sample ID: AH-6 1ft						

61

9.6

48

5.0

0.025

0.050

0.050

0.099

80-120

70-130

73.8-119

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

20

1

1

1

1

1

1

1

1

1

1

99

ND

ND

103

ND

110

ND

ND

ND

ND

111

Refer to the OC Summary report and s	sample login	checklist	for flagged	OC data and	l preservation information.
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Qualifiers:

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

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

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Released to Imaging: 7/19/2024 2:31:23 PM

CLIENT: Project: Lab ID:

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

9	Besult	RL Qual Units DF Date Analyzed B
	1906521-013 Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM
	Devon Ross Ranch 10 Fed 1 Tank Pad	Collection Date: 6/7/2019 12:15:00 PM
:	Safety & Environmental Solutions	Client Sample ID: AII-7 Surface

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	1300	59		mg/Kg	20	6/15/2019 11:42:09 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	ТОМ
Diesel Range Organics (DRO)	15	9.6		mg/Kg	1	6/13/2019 12:41:40 PM	45506
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/13/2019 12:41:40 PM	45506
Surr: DNOP	96.1	70-130		%Rec	1	6/13/2019 12:41:40 PM	45506
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/12/2019 11:51:32 PM	45503
Surr: BFB	120	73.8-119	S	%Rec	1	6/12/2019 11:51:32 PM	45503
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.025		mg/Kg	1	6/12/2019 11:51:32 PM	45503
Toluene	ND	0.049		mg/Kg	1	6/12/2019 11:51:32 PM	45503
Ethylbenzene	ND	0.049		mg/Kg	1	6/12/2019 11:51:32 PM	45503
Xylenes, Total	ND	0.098		mg/Kg	1	6/12/2019 11:51:32 PM	45503
Surr: 4-Bromofluorobenzene	122	80-120	S	%Rec	1	6/12/2019 11:51:32 PM	45503

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

Qualifiers:

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

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Analytical Report Lab Order 1906521 Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qual Units	DF Date Analyzed	Batch			
Lab ID:	1906521-014	Matrix: SOIL	Received Dat	e: 6/11/2019 9:05:00 AM				
Project:	Devon Ross Ranch 10 F	ed 1 Tank Pad	Collection Dat	e: 6/7/2019 12:25:00 PM				
CLIENT:	Safety & Environmental	Solutions	Client Sample ID: AH-7 1ft					

EPA METHOD 300.0: ANIONS	5100	300	mg/Kg	100	Analyst: 6/17/2019 5:11:43 PM	smb 45603
Chloride	5100	500	ingrig	100		
EPA METHOD 8015M/D: DIESEL RANGE ORG/	ANICS				Analyst:	том
Diesel Range Organics (DRO)	80	10	mg/Kg	1	6/13/2019 1:05:49 PM	45506
Motor Oil Range Organics (MRO)	72	50	mg/Kg	1	6/13/2019 1:05:49 PM	45506
Surr: DNOP	104	70-130	%Rec	1	6/13/2019 1:05:49 PM	45506
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Surr: BFB	107	73.8-119	%Rec	1	6/13/2019 12:16:05 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Toluene	ND	0.050	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Ethylbenzene	ND	0.050	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Xylenes, Total	ND	0.10	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	6/13/2019 12:16:05 AM	45503

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 range due to dilution or matrix
- Analyte detected in the associated Method Blank в
- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Limit RL

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Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qual Units DF Date Analyzed	Batch					
Lab ID:	1906521-015	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AN	1					
Project:	Devon Ross Ranch 10 I	Fed 1 Tank Pad	Collection Date: 6/7/2019 12:30:00 PM	[
CLIENT:	Safety & Environmenta	lSolutions	Client Sample ID: AH-8 Surface						

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	smb
Chloride	4700	150	mg/Kg	50	6/17/2019 5:48:57 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	TOM
Diesel Range Organics (DRO)	110	9.6	mg/Kg	1	6/13/2019 1:29:58 PM	45506
Motor Oil Range Organics (MRO)	92	48	mg/Kg	1	6/13/2019 1:29:58 PM	45506
Surr: DNOP	105	70-130	%Rec	1	6/13/2019 1:29:58 PM	45506
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Surr: BFB	106	73.8-119	%Rec	1	6/13/2019 12:40:43 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Toluene	ND	0.049	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Ethylbenzene	ND	0.049	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Xylenes, Total	ND	0.099	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	6/13/2019 12:40:43 AM	45503

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

Qualifiers:

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

RL Reporting Limit

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Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

	Client Sample ID: AH-8 1ft Collection Date: 6/7/2019 12:45:00 PM					CLIENT: Safety & Environmental Solutions Project: Devon Ross Ranch 10 Fed 1 Tank Pad			
	Received Date: 6/11/2019 9:05:00 AM					Matrix: SOIL			
Batch	te Analyzed	DF	Units	RL Qual	RL	Result		Analyses	
/st: smb	Analyst:						HOD 300.0: ANIONS	EPA MET	
M 45603	17/2019 6:01:21 PM	100	mg/Kg	300	300	6100		Chloride	
/st: TOM	Analyst:					ORGANICS	HOD 8015M/D: DIESEL RANGE	EPA MET	
M 45506	13/2019 1:54:11 PM	1	mg/Kg	9.9	9.9	77	ange Organics (DRO)		
M 45506	13/2019 1:54:11 PM	1	mg/Kg	49	49	70	Range Organics (MRO)		
M 45506	13/2019 1:54:11 PM	1	%Rec	130	70-130	109	DNOP	Surr: D	
yst: NSB	Analyst						HOD 8015D: GASOLINE RANGE	EPA MET	
M 45503	13/2019 1:05:20 AM	1	mg/Kg	4.9	4.9	ND	Range Organics (GRO)	Gasoline	
M 45503	13/2019 1:05:20 AM	1	%Rec	119	73.8-119	107		Surr: B	
yst: NSB	Analyst						HOD 8021B: VOLATILES	EPA MET	
M 45503	13/2019 1:05:20 AM	1	mg/Kg)24	0.024	ND		Benzene	
M 45503	13/2019 1:05:20 AM	1	mg/Kg)49	0.049	ND		Toluene	
M 45503	13/2019 1:05:20 AM	1	mg/Kg)49	0.049	ND	zene	Ethylbenz	
AI AI	13/2019 1:05:20 / 13/2019 1:05:20 /		mg/Kg)49	0.049	ND	HOD 8021B: VOLATILES	EPA MET Benzene Toluene	

ND

107

0.097

80-120

mg/Kg

%Rec

1

1

6/13/2019 1:05:20 AM

6/13/2019 1:05:20 AM

45503

45503

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

Qualifiers:

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

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

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Released to Imaging: 7/19/2024 2:31:23 PM
Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Analyses	5	Result	RL Qual Units	DF Date Analyzed	Batch				
Lab ID:	1906521-017	Matrix: SOIL	Received Dat	Received Date: 6/11/2019 9:05:00 AM					
Project:	Devon Ross Ranch 10 Fed 1 Tank Pad Collection Date: 6/7/2019 12:50:00 PM								
CLIENT:	Safety & Environmenta	l Solutions	Client Sample ID: AH-9 Surface						

Anaryses	11004110		C	_		
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	2300	61	mg/Kg	20	6/16/2019 12:31:48 AM	45603
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst:	TOM
Diesel Range Organics (DRO)	160	9.3	mg/Kg	1	6/13/2019 2:18:25 PM	45506
Motor Oil Range Organics (MRO)	170	47	mg/Kg	1	6/13/2019 2:18:25 PM	45506
Surr: DNOP	110	70-130	%Rec	1	6/13/2019 2:18:25 PM	45506
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Surr: BFB	104	73.8-119	%Rec	1	6/13/2019 1:29:56 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Toluene	ND	0.049	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Ethylbenzene	ND	0.049	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Xylenes, Total	ND	0.097	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/13/2019 1:29:56 AM	45503

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

Qualifiers:

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

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

RL Reporting Limit

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Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 8015D: GASOLINE RANGE

Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

6/13/2019 2:42:41 PM

6/13/2019 2:42:41 PM

6/13/2019 2:42:41 PM

6/13/2019 1:54:34 AM

45506

45506

45506

45503

45503

45503

45503

45503

45503

45503

Analyst: NSB

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	CLIENT: Safety & Environmental Solutions			Client Sample ID: AH-9 1ft				
Project: Devon Ross Ranch 10 Fed 1 Ta		ed 1 Tank Pad	Collection Date: 6/7/2019 1:10:00 PM					
Lab ID:	1906521-018	Matrix: SOIL		Receiv	ed Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	MRA
Chloride		1000	60		mg/Kg	20	6/16/2019 12:44:13 AN	45603
EPA ME	EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analys	t: TOM

22

ND

96.0

ND

108

ND

ND

ND ND

109

9.9

49

4.9

70-130

73.8-119

0.025

0.049

0.049

0.099

80-120

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

1

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

Qualifiers:

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

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

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Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Project:	Safety & Environmental Solutions Devon Ross Ranch 10 Fed 1 Tank Pad		Client Sample ID: AH-10 Surface Collection Date: 6/7/2019 1:15:00 PM				
Lab ID:	1906521-019	Matrix: SOIL					
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analysi	MRA
Chloride		700	60	mg/Kg	20	6/16/2019 12:56:38 AN	45603
EPA MET	HOD 8015M/D: DIESEL	RANGE ORGANICS				Analysi	: TOM
Diesel R	ange Organics (DRO)	940	9.5	mg/Kg	1	6/13/2019 3:07:00 PM	45506

Dieser Range Organics (DRO)	540	0.0		mgmg			
Motor Oil Range Organics (MRO)	750	48		mg/Kg	1	6/13/2019 3:07:00 PM	45506
Surr: DNOP	137	70-130	S	%Rec	1	6/13/2019 3:07:00 PM	45506
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2019 2:18:56 AM	45503
Surr: BFB	105	73.8-119		%Rec	1	6/13/2019 2:18:56 AM	45503
						Analyst	NCD
EPA METHOD 8021B: VOLATILES						Analyst:	NOD
EPA METHOD 8021B: VOLATILES Benzene	ND	0.025		mg/Kg	1	6/13/2019 2:18:56 AM	45503
	ND ND	0.025 0.050		mg/Kg mg/Kg	1 1	,	
Benzene				0 0	1 1 1	6/13/2019 2:18:56 AM	45503
Benzene Toluene	ND	0.050		mg/Kg	1 1 1	6/13/2019 2:18:56 AM 6/13/2019 2:18:56 AM	45503 45503
Benzene Toluene Ethylbenzene	ND ND	0.050 0.050		mg/Kg mg/Kg	1 1 1 1	6/13/2019 2:18:56 AM 6/13/2019 2:18:56 AM 6/13/2019 2:18:56 AM	45503 45503 45503

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

Qualifiers:

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

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

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Analytical Report
Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental Solu	itions	Client Sample ID: AH-10 1ft				
Project:	Devon Ross Ranch 10 Fed 1	Tank Pad	(Collection Dat	e: 6/7	7/2019 1:25:00 PM	
Lab ID:	1906521-020	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	MRA
Chloride		1500	59	mg/Kg	20	6/16/2019 1:33:52 AM	45603
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	том
Diesel Ra	ange Organics (DRO)	16	9.6	mg/Kg	1	6/14/2019 9:29:59 AM	45506
	Range Organics (MRO)	ND	48	mg/Kg	1	6/14/2019 9:29:59 AM	45506
Surr: D		102	70-130	%Rec	1	6/14/2019 9:29:59 AM	45506
EPA MET	HOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Surr: E	• •	107	73.8-119	%Rec	1	6/13/2019 2:43:27 AM	45503
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.025	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Toluene		ND	0.050	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Ethylben	zene	ND	0.050	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Xylenes,	Total	ND	0.099	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Surr: 4	I-Bromofluorobenzene	108	80-120	%Rec	1	6/13/2019 2:43:27 AM	45503

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

Qualifiers:

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

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

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Project:

Lab ID:

Analytical Report Lab Order 1906521 Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Devon Ross Ranch 10 Fed 1 Tank Pad

CLIENT: Safety & Environmental Solutions

1906521-021

Client Sample ID: AH-11 Surface Collection Date: 6/7/2019 1:30:00 PM Received Date: 6/11/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	smb
Chloride	4700	150		mg/Kg	50	6/17/2019 6:13:45 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	BRM
Diesel Range Organics (DRO)	56	9.8		mg/Kg	1	6/13/2019 3:22:22 PM	45543
Motor Oil Range Organics (MRO)	75	49		mg/Kg	1	6/13/2019 3:22:22 PM	45543
Surr: DNOP	118	70-130		%Rec	1	6/13/2019 3:22:22 PM	45543
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/12/2019 6:37:26 PM	45509
Surr: BFB	109	73.8-119		%Rec	1	6/12/2019 6:37:26 PM	45509
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	6/12/2019 6:37:26 PM	45509
Toluene	ND	0.049		mg/Kg	1	6/12/2019 6:37:26 PM	45509
Ethylbenzene	ND	0.049		mg/Kg	1	6/12/2019 6:37:26 PM	45509
Xylenes, Total	ND	0.097		mg/Kg	1	6/12/2019 6:37:26 PM	45509
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	6/12/2019 6:37:26 PM	45509

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

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

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Analytical Report Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Analyses	1	Result	RL Qual Units DF Date Analy	zed Batch				
Lab ID:	1906521-022	Matrix: SOIL	Received Date: 6/11/2019 9:05	:00 AM				
Project:	Devon Ross Ranch 10	Fed 1 Tank Pad	Collection Date: 6/7/2019 1:40:00 PM					
CLIENT	Safety & Environmenta	1 Solutions	Client Sample ID: AH-11 1ft					

EPA METHOD 300.0: ANIONS					Analyst	smb
Chloride	1500	60	mg/Kg	20	6/17/2019 1:03:34 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst	BRM
Diesel Range Organics (DRO)	28	9.6	mg/Kg	1	6/13/2019 5:13:42 PM	45543
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/13/2019 5:13:42 PM	45543
Surr: DNOP	107	70-130	%Rec	1	6/13/2019 5:13:42 PM	45543
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Surr: BFB	107	73.8-119	%Rec	1	6/12/2019 7:46:20 PM	45509
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Toluene	ND	0.050	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Ethylbenzene	ND	0.050	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Xylenes, Total	ND	0.10	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Surr: 4-Bromofluorobenzene	99.2	80-120	%Rec	1	6/12/2019 7:46:20 PM	45509

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

Qualifiers:

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

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

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Analytical Report Lab Order 1906521 Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT:Safety & Environmental SolutionsClient Sample ID: AH-12 SurfaceProject:Devon Ross Ranch 10 Fed 1 Tank PadCollection Date: 6/7/2019 1:45:00 PMLab ID:1906521-023Matrix: SOILReceived Date: 6/11/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	smb
Chloride	2100	60		mg/Kg	20	6/17/2019 1:40:46 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/13/2019 5:35:51 PM	45543
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/13/2019 5:35:51 PM	45543
Surr: DNOP	110	70-130		%Rec	1	6/13/2019 5:35:51 PM	45543
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/12/2019 8:54:55 PM	45509
Surr: BFB	106	73.8-119		%Rec	1	6/12/2019 8:54:55 PM	45509
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.025		mg/Kg	1	6/12/2019 8:54:55 PM	45509
Toluene	ND	0.049		mg/Kg	1	6/12/2019 8:54:55 PM	45509
Ethylbenzene	ND	0.049		mg/Kg	1	6/12/2019 8:54:55 PM	45509
Xylenes, Total	ND	0.098		mg/Kg	1	6/12/2019 8:54:55 PM	45509
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	6/12/2019 8:54:55 PM	45509

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

Qualifiers:

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

RL Reporting Limit

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Analytical Report
Lab Order 1906521

Date Reported: 6/18/2019

Hall Environmental Analysis Laboratory, Inc.

Analyses	<i>(</i>)	Result	RL Qual Units DF Date Analyzed	J			
Lab ID:	1906521-024	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM				
Project:	Devon Ross Ranch 10 F	ed 1 Tank Pad	Collection Date: 6/7/2019 1:55:00 PM				
CLIENT:	Safety & Environmental	Solutions	Client Sample ID: AH-12 1ft				

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	smb
Chloride	1500	60	mg/Kg	20	6/17/2019 1:53:11 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	BRM
Diesel Range Organics (DRO)	17	9.7	mg/Kg	1	6/13/2019 5:58:17 PM	45543
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/13/2019 5:58:17 PM	45543
Surr: DNOP	127	70-130	%Rec	1	6/13/2019 5:58:17 PM	45543
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Surr: BFB	107	73.8-119	%Rec	1	6/12/2019 9:17:44 PM	45509
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Toluene	ND	0.050	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Ethylbenzene	ND	0.050	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Xylenes, Total	ND	0.10	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Surr: 4-Bromofluorobenzene	99.3	80-120	%Rec	1	6/12/2019 9:17:44 PM	45509

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

Qualifiers:

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

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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1906521
W 0#;	1900521

18-Jun-19

Client: Project:	Safety & Environmental Solutions Devon Ross Ranch 10 Fed 1 Tank Pad
Sample ID: MB-45	00 SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 45600 RunNo: 60675
Prep Date: 6/14/2	019 Analysis Date: 6/15/2019 SeqNo: 2053098 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-4	600 SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 45600 RunNo: 60675
Prep Date: 6/14/2	019 Analysis Date: 6/15/2019 SeqNo: 2053099 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 93.2 90 110
Sample ID: MB-45	03 SampType: mbik TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 45603 RunNo: 60675
Prep Date: 6/14/2	019 Analysis Date: 6/15/2019 SeqNo: 2053138 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-4	603 SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 45603 RunNo: 60675
Prep Date: 6/14/2	019 Analysis Date: 6/15/2019 SeqNo: 2053139 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
Sample ID: MB-45	18 SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 45618 RunNo: 60701
Prep Date: 6/17/2	019 Analysis Date: 6/17/2019 SeqNo: 2054613 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-4	618 SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 45618 RunNo: 60701
Prep Date: 6/17/2	019 Analysis Date: 6/17/2019 SeqNo: 2054614 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 94.5 90 110

Qualifiers:

н

Value exceeds Maximum Contaminant Level . D Sample Diluted Due to Matrix

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

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

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- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

Holding times for preparation or analysis exceeded

MARY REPORT	WO#:	1906521
onmental Analysis Laboratory, Inc.		18-Jun-19

Client: Project:		Environme oss Ranch 1		olutions 1 Tank Pad							
Sample ID:	1906521-001AMS	SampTy	/pe: MS	6	Tes	tCode: E	PA Method	8015M/D: Die	sel Range	• Organics	
Client ID:	AH-1 Surface	Batch	ID: 45	506	F	RunNo: 6	0571				
Prep Date:	6/11/2019	Analysis Da	ate: 6 /	12/2019	8	SeqNo: 2	050478	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	52	10	49.80	0	104	57	142			
Surr: DNOP		4.2		4.980		84.8	70	130			
Sample ID:	1906521-001AMS	D SampTy	/pe: M\$	SD.	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	AH-1 Surface	Batch	ID: 45	506	F	RunNo: 6	0571				
Prep Date:	6/11/2019	Analysis Da	ate: 6/	12/2019	5	SeqNo: 2050479 Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	43	9.8	49.12	0	88.5	57	142	17.2	20	
Surr: DNOP		3.4		4.912		70.1	70	130	0	0	
Sample ID:	LCS-45506	SampTy	/pe: LC	s	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch	ID: 45	506	RunNo: 60571						
Prep Date:	6/11/2019	Analysis Da	ate: 6/	12/2019	5	SeqNo: 2	2050487	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	52	10	50.00	0	104	63.9	124			
Surr: DNOP		4.4		5.000		88.6	70	130			
Sample ID:	MB-45506	SampTy	pe: Mi	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 45	506	F	RunNo: 6	60571				
Prep Date:	6/11/2019	Analysis Da	ate: 6/	12/2019	9	SeqNo: 2	2050488	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
and the second second second second	Organics (DRO)	ND	10								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		12		10.00		122	70	130			
Sample ID:	LCS-45543	SampTy	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 45	543	F	RunNo: (30622				
Prep Date:	6/12/2019	Analysis Da	ate: 6/	/13/2019	5	SeqNo: 2	2052482	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC		HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	49	10	50.00	0	98.2		124			
Surr: DNOP		4.8		5.000		95.4	70	130			

Qualifiers:

٠ Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded н

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix s

в Analyte detected in the associated Method Blank

Value above quantitation range Е

Analyte detected below quantitation limits J

- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 7/19/2024 2:31:23 PM

-Client: **Project:**

UNIVIARY REPORT	WO#: 1906521
nvironmental Analysis Laboratory, Inc.	18-Jun-19
Safety & Environmental Solutions	
Devon Ross Ranch 10 Fed 1 Tank Pad	

Sample ID: MB-45543	SampT	ype: ME	BLK	Test	Code: El	e: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch	ID: 45	543	R	unNo: 6	0622					
Prep Date: 6/12/2019	Analysis D	ate: 6/	13/2019	S	eqNo: 2	052483	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	11		10.00		113	70	130				
Sample ID: 1906521-021AMS	SampT	ype: MS	6	Test	Code: El	PA Method	8015M/D: Die	esel Range	ə Organics		
Client ID: AH-11 Surface	Batch ID: 45543			R	unNo: 6	0622					
Prep Date: 6/12/2019	Analysis D	ate: 6/	13/2019	S	eqNo: 2	052486	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	110	9.7	48.50	55.87	110	57	142				
Surr: DNOP	5.3		4.850		109	70	130				
Sample ID: 1906521-021AMSE) SampT	ype: M \$	SD	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: AH-11 Surface	Batch	ID: 45	543	F	unNo: 6	0622					
Prep Date: 6/12/2019	Analysis D	ate: 6/	13/2019	8	eqNo: 2	052487	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	90	9.3	46.38	55.87	74.0	57	142	19.0	20		
Surr: DNOP	4.8		4.638		103	70	130	0	0		
Sample ID: MB-45572	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: PBS	Batch	ID: 45	572	F	tunNo: 6	0667					
Prep Date: 6/13/2019	Analysis D	ate: 6/	14/2019	5	eqNo: 2	052663	Units: %Ree	C			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	12		10.00		116	70	130				

Qualifiers:

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

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

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Client:

Safety & Environmental Solutions

Project:	Devon Ro	oss Ranch 1	0 Fed	1 Tank Pad							
Sample ID:	MB-45503	SampTy	/pe: ME	BLK	Test	Code: EP	A Method	8015D: Gasoli	ne Range)	
Client ID:			ID: 45		R	unNo: 60	589				
Prep Date:	6/11/2019	Analysis Da	ate: 6/	12/2019	s	eqNo: 20	50522	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ge Organics (GRO)	ND 1000	5.0	1000		101	73.8	119			
Sample ID	LCS-45503	SampTy	/pe: LC	S	Test	Code: EF	PA Method	8015D: Gasoli	ne Range	Ð	
Client ID:	LCSS	Batch	ID: 45	503	R	unNo: 60)589				
Prep Date:	6/11/2019	Analysis Da	ate: 6 /	12/2019	S	eqNo: 20)50523	Units: mg/Kg	l		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	21	5.0	25.00	0	85.7	80.1	123			
Surr: BFB		1100		1000		108	73.8	119			
Sample ID	1906521-001AMS	SampTy	/pe: M S	6	Test	Code: EF	PA Method	8015D: Gasol	ine Range	Э	
Client ID:	AH-1 Surface	Batch	ID: 45	503	R	unNo: 60	0589				
Prep Date:	6/11/2019	Analysis Da	ate: 6/	12/2019	S	eqNo: 20	050525	Units: mg/Kg	I		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ge Organics (GRO)	25	4.9	24.58	0	100	69.1	142			
Surr: BFB		1100		983.3		116	73.8	119			
Sample ID	1906521-001AMS	D SampTy	ype: MS	SD	Test	Code: EF	PA Method	8015D: Gasol	ine Rang	9	
Client ID:	AH-1 Surface	Batch	ID: 45	503	R	tunNo: 60	0589				
Prep Date:	6/11/2019	Analysis Da	ate: 6/	12/2019	S	eqNo: 20	050526	Units: mg/Kg	1		
Analyte											
and the second se		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ge Organics (GRO)	23	PQL 4.8	24.08		%REC 96.3	69.1	142	6.27	20	Qual
Gasoline Ran Surr: BFB	ge Organics (GRO)				SPK Ref Val	%REC					Qual
Surr: BFB	ge Organics (GRO) : MB-45518	23	4.8	24.08 963.4	SPK Ref Val 0	%REC 96.3 116	69.1 73.8	142	6.27 0	20 0	Qual
Surr: BFB	: MB-45518	23 1100 SampTy	4.8	24.08 963.4 BLK	SPK Ref Val 0 Tes	%REC 96.3 116	69.1 73.8 PA Method	142 119	6.27 0	20 0	Qual
Surr: BFB Sample ID Client ID:	: MB-45518	23 1100 SampTy	4.8 ype: MI ID: 45	24.08 963.4 BLK 518	SPK Ref Val 0 Tes F	%REC 96.3 116 tCode: Ef	69.1 73.8 PA Method 0590	142 119	6.27 0	20 0	Qual
Surr: BFB Sample ID Client ID:	: MB-45518 PBS	23 1100 SampTy Batch	4.8 ype: MI ID: 45 ate: 6/	24.08 963.4 3LK 518 12/2019	SPK Ref Val 0 Tes F	%REC 96.3 116 tCode: Ef RunNo: 66 SeqNo: 20	69.1 73.8 PA Method 0590 050617	142 119 8015D: Gasol Units: %Rec	6.27 0	20 0	Qual
Surr: BFB Sample ID Client ID: Prep Date:	: MB-45518 PBS	23 1100 SampTy Batch Analysis Da	4.8 ype: MI ID: 45 ate: 6/	24.08 963.4 3LK 518 12/2019	SPK Ref Val 0 Tes 5	%REC 96.3 116 tCode: Ef RunNo: 66 SeqNo: 20	69.1 73.8 PA Method 0590 050617	142 119 8015D: Gasol Units: %Rec HighLimit	6.27 0 ine Rang	20 0	
Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB	: MB-45518 PBS	23 1100 SampTy Batch Analysis Da Result	4.8 ype: MI ID: 45 ate: 6/ PQL	24.08 963.4 3LK 518 12/2019 SPK value 1000	SPK Ref Val 0 Tes F SPK Ref Val	%REC 96.3 116 tCode: Ef RunNo: 66 SeqNo: 20 %REC 101	69.1 73.8 PA Method 0590 050617 LowLimit 73.8	142 119 8015D: Gasol Units: %Rec HighLimit	6.27 0 ine Rang %RPD	20 0 e RPDLimit	
Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB	: MB-45518 PBS 6/11/2019 : LCS-45518	23 1100 SampTy Batch Analysis Da Result 1000 SampTy	4.8 ype: MI ID: 45 ate: 6/ PQL	24.08 963.4 3LK 518 12/2019 SPK value 1000 SS	SPK Ref Val 0 Tes 5 SPK Ref Val Tes	%REC 96.3 116 tCode: Ef RunNo: 66 SeqNo: 20 %REC 101	69.1 73.8 PA Method 0590 050617 LowLimit 73.8 PA Method	142 119 8015D: Gasol Units: %Rec HighLimit 119	6.27 0 ine Rang %RPD	20 0 e RPDLimit	
Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID:	: MB-45518 PBS 6/11/2019 : LCS-45518	23 1100 SampTy Batch Analysis Da Result 1000 SampTy	4.8 ype: ME ID: 45 ate: 6/ PQL ype: LC	24.08 963.4 3LK 518 12/2019 SPK value 1000 2S 518	SPK Ref Val 0 Tes SPK Ref Val Tes F	%REC 96.3 116 tCode: Ef RunNo: 60 SeqNo: 20 %REC 101 tCode: Ef	69.1 73.8 PA Method 0590 050617 LowLimit 73.8 PA Method 0590	142 119 8015D: Gasol Units: %Rec HighLimit 119	6.27 0 ine Rang %RPD	20 0 e RPDLimit	
Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID:	: MB-45518 PBS 6/11/2019 : LCS-45518 LCSS	23 1100 SampTy Batch Analysis Da Result 1000 SampTy Batch	4.8 ype: ME ID: 45 ate: 6/ PQL ype: LC	24.08 963.4 3LK 518 12/2019 SPK value 1000 SS 518 (12/2019	SPK Ref Val 0 Tes SPK Ref Val Tes F	%REC 96.3 116 tCode: Ef RunNo: 66 SeqNo: 20 %REC 101 tCode: Ef RunNo: 66	69.1 73.8 PA Method 0590 050617 LowLimit 73.8 PA Method 0590	142 119 8015D: Gasol Units: %Rec HighLimit 119 8015D: Gasol	6.27 0 ine Rang %RPD	20 0 e RPDLimit	

Qualifiers:

н

ND

PQL

s

Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix

Not Detected at the Reporting Limit

Practical Quanitative Limit

Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

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

Analyte detected below quantitation limits J

- Sample pH Not In Range Р RL
 - Reporting Limit

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WO#: 1906521 18-Jun-19

IARY REPORT	WO#:	1906521
nmental Analysis Laboratory, Inc.		18-Jun-19

Client: Safety &	Environmental S	olutions							
	oss Ranch 10 Fee		l						
					_				
Sample ID: MB-45509	SampType: N					8015D: Gaso	line Range	9	
Client ID: PBS	Batch ID: 4	5509	R	RunNo: 60)590				
Prep Date: 6/11/2019	Analysis Date:	6/12/2019	S	SeqNo: 20	050625	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	1100	1000		111	73.8	119			
Sample ID: LCS-45509	SampType: L	cs	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	9	
Client ID: LCSS	Batch ID: 4	5509	F	RunNo: 60	0590				
Prep Date: 6/11/2019	Analysis Date:	6/12/2019	S	SeqNo: 20	50626	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23 5.0) 25.00	0	92.9	80.1	123			
Surr: BFB	1200	1000		119	73.8	119			
Sample ID: 1906521-021AMS	SampType: N	IS	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	Ð	
Client ID: AH-11 Surface	Batch ID: 4	F	RunNo: 60	0590					
Prep Date: 6/11/2019	Analysis Date:	6/12/2019	5	SeqNo: 20	050629	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24 4.9		0	97.8	69.1	142			0
Surr: BFB	1200	985.2		124	73.8	119			S
Sample ID: 1906521-021AMS	D SampType: N	ISD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	9	
Client ID: AH-11 Surface	Batch ID: 4	5509	F	RunNo: 6(0590				
Prep Date: 6/11/2019	Analysis Date:	5/12/2019	5	GeqNo: 20	050630	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23 4.9	24.53	0	95.3	69.1	142	2.96	20	
Surr: BFB									
	1200	981.4		119	73.8	119	0	0	S
Sample ID: MB-45528	1200 SampType: N		Tes	_					S
Sample ID: MB-45528 Client ID: PBS		IBLK		_	PA Method	119			S
	SampType: N	1BLK 5528	F	tCode: EF	PA Method 0624	119	line Rang		S
Client ID: PBS	SampType: N Batch ID: 4 Analysis Date:	IBLK 5528 6/13/2019	F	tCode: EF RunNo: 60 SeqNo: 20	PA Method 0624 051781	119 8015D: Gaso Units: %Red	line Rang		S
Client ID: PBS Prep Date: 6/12/2019	SampType: N Batch ID: 4 Analysis Date:	IBLK 5528 6/13/2019	F	tCode: EF RunNo: 60 SeqNo: 20	PA Method 0624 051781	119 8015D: Gaso Units: %Red	line Rang	0	
Client ID: PBS Prep Date: 6/12/2019 Analyte	SampType: N Batch ID: 4 Analysis Date: 0 Result PQL	IBLK 5528 5/13/2019 SPK value 1000	F SPK Ref Val	tCode: EF RunNo: 66 SeqNo: 26 %REC 108	PA Method 0624 051781 LowLimit - 73.8	119 8015D: Gaso Units: %Rec HighLimit	line Rang ; %RPD	e RPDLimit	
Client ID: PBS Prep Date: 6/12/2019 Analyte Surr: BFB	SampType: N Batch ID: 4 Analysis Date: 0 Result PQL 1100	1BLK 5528 6/13/2019 SPK value 1000 CS	F S SPK Ref Val Tes	tCode: EF RunNo: 66 SeqNo: 26 %REC 108	PA Method 0624 051781 LowLimit 73.8 PA Method	119 8015D: Gaso Units: %Red HighLimit 119	line Rang ; %RPD	e RPDLimit	
Client ID: PBS Prep Date: 6/12/2019 Analyte Surr: BFB Sample ID: LCS-45528	SampType: N Batch ID: 4 Analysis Date: 0 Result PQL 1100 SampType: L	IBLK 5528 5/13/2019 SPK value 1000 CS 5528	F SPK Ref Val Tes F	tCode: EF RunNo: 66 SeqNo: 26 %REC 108 tCode: EF	PA Method 0624 051781 LowLimit 73.8 PA Method 0624	119 8015D: Gaso Units: %Red HighLimit 119	line Rang %RPD line Rang	e RPDLimit	
Client ID: PBS Prep Date: 6/12/2019 Analyte Surr: BFB Sample ID: LCS-45528 Client ID: LCSS	SampType: N Batch ID: 4 Analysis Date: 0 Result PQL 1100 SampType: L Batch ID: 4	IBLK 5528 5/13/2019 SPK value 1000 CS 5528 5/13/2019	F SPK Ref Val Tes F	tCode: EF RunNo: 60 SeqNo: 20 %REC 108 tCode: EF RunNo: 60 SeqNo: 20	PA Method 0624 051781 LowLimit 73.8 PA Method 0624	119 8015D: Gaso Units: %Rec HighLimit 119 8015D: Gaso	line Rang %RPD line Rang	e RPDLimit	
Client ID: PBS Prep Date: 6/12/2019 Analyte Surr: BFB Sample ID: LCS-45528 Client ID: LCSS Prep Date: 6/12/2019	SampType: N Batch ID: 4 Analysis Date: 0 Result PQL 1100 SampType: L Batch ID: 4 Analysis Date: 0	IBLK 5528 5/13/2019 SPK value 1000 CS 5528 5/13/2019	F SPK Ref Val Tes F S	tCode: EF RunNo: 60 SeqNo: 20 %REC 108 tCode: EF RunNo: 60 SeqNo: 20	PA Method 0624 051781 LowLimit 73.8 PA Method 0624 051782	119 8015D: Gaso Units: %Rec HighLimit 119 8015D: Gaso Units: %Rec	line Rang %RPD line Rang	e RPDLimit e	Qual

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 range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range Р RL Reporting Limit

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	UNIMARY REPORT Invironmental Analysis Laboratory, Inc.									
	Safety & Environmental Solutions Devon Ross Ranch 10 Fed 1 Tank Pad									
Sample ID: MB-45503	SampType:					8021B: Volat	iles			
Client ID: PBS Prep Date: 6/11/2019	Batch ID: Analysis Date:			unNo: 60 eqNo: 20		Units: mg/K	g			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND 0.0)25								
Toluene	ND 0.0	50								
Ethylbenzene	ND 0.0	50								
Xylenes, Total	ND 0	.10								
Surr: 4-Bromofluorobenzene	1.0	1.000		103	80	120				
Sample ID: 1 CS-45503	SampType:	LCS	Test	Code: EF	PA Method	8021B: Volat	iles			

Sample ID: LCS-45503	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch	n ID: 45	503	RunNo: 60589						
Prep Date: 6/11/2019	Analysis D	ate: 6/	12/2019	S	SeqNo: 2	050557	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.5	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: 1906521-002AMS	SampT	ype: MS	5	TestCode: EPA Method 8021B: Volatiles						
Client ID: AH-1 1ft	Batch	ID: 45	503	ਜ						
Prep Date: 6/11/2019	Analysis D	ate: 6/	12/2019	S	eqNo: 2	050564	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9921	0	104	63.9	127			
Toluene	1.1	0.050	0.9921	0.01006	108	69.9	131			
Ethylbenzene	1.1	0.050	0.9921	0	111	71	132			
Xylenes, Total	3.3	0.099	2.976	0	112	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		0.9921		106	80	120			

Sample ID: 1906521-002AM	TestCode: EPA Method 8021B: Volatiles									
Client ID: AH-1 1ft Batch ID: 45503			RunNo: 60589							
Prep Date: 6/11/2019	Analysis D	ate: 6/	12/2019	S	SeqNo: 2	050572	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9814	0	103	63.9	127	2.74	20	
Toluene	1.0	0.049	0.9814	0.01006	106	69.9	131	3.40	20	
Ethylbenzene	1.1	0.049	0.9814	0	107	71	132	4.15	20	
Xylenes, Total	3.2	0.098	2.944	0	108	71.8	131	4.53	20	
Surr: 4-Bromofluorobenzene	1.0		0.9814		104	80	120	0	0	

Qualifiers:

Value exceeds Maximum Contaminant Level

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded н

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank В

Е Value above quantitation range J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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1906521

18-Jun-19

WO#:

Client: Safet	y & Environm	ental So	lutions							
Project: Devo	n Ross Ranch	10 Fed	1 Tank Pad							
Sample ID: MB-45518	Samp	Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: 45	518	F	RunNo: 60590					
Prep Date: 6/11/2019	Analysis [Date: 6/	12/2019	SeqNo: 2050664			Units: %Rec			
							10.111.0	~~~~~	DDDI ! !!	0
Analyte	Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	80	120			
Sample ID: LCS-45518 SampType: LCS TestCode						PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 45	518	F	RunNo: 6	0590				
Prep Date: 6/11/2019	Analysis [Date: 6/	12/2019	5	SegNo: 2	050665	Units: %Rec	:		
and 2026	-				•				DDDI	01
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			
Sample ID: MB-45509	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	509	F	RunNo: 6	0590						
Prep Date: 6/11/2019	Analysis [ç	SegNo: 2	050673	Units: mg/K	a		
					·			-		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			
Sample ID: LCS-45509	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS		h ID: 45		RunNo: 60590						
					SeqNo: 2		Units: mg/K	0		
Prep Date: 6/11/2019	Analysis [12/2019					-		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	0.99	0.050	1.000	0	99.1	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			
Sample ID: 1906521-022A	MS Samp	Type: MS	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: AH-11 1ft	Batc	h ID: 45	509	F	RunNo: 6	0590				
Prep Date: 6/11/2019	Analysis [Date: 6/	12/2019	S	SeqNo: 2	050679	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9960	0	110	63.9	127			
Toluene	1.1	0.050	0.9960	0	111	69.9	131			
Ethylbenzene	1.1	0.050	0.9960	0	111	71	132			
Xylenes, Total	3.2	0.10	2.988	0	107	71.8	131			
Agreent of a state	0.2	55		-						

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits P Sample pH Not In Range

RL Reporting Limit

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nvironmental Analysis Laboratory, Inc.		18-Jun-19
UMMARY REPORT	WO#:	1906521

Client:	Safety &										
Project:	Devon Ro	oss Ranch	10 Fed	1 Tank Pad							
Sample ID:	1906521-022AMS	SampT	ype: MS	6	TestCode: EPA Method 8021B: Volatiles						
Client ID:	AH-11 1ft	Batch	ID: 45	509	F	RunNo: 60590					
Prep Date:	6/11/2019	Analysis Da	ate: 6 /	12/2019	S	eqNo: 2	050679	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.1		0.9960		110	80	120			
Sample ID:	1906521-022AMSE	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	ent ID: AH-11 1ft Batch ID: 45509				F	tunNo: 6	0590				
Prep Date:	ep Date: 6/11/2019 Analysis Date: 6/12/2019			5	SeqNo: 2050680 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	0.9950	0	107	63.9	127	2.36	20	
Toluene		1.1	0.050	0.9950	0	108	69.9	131	2.80	20	
Ethylbenzene		1.1	0.050	0.9950	0	107	71	132	3.59	20	
Xylenes, Total		3.1	0.10	2.985	0	103	71.8	131	3.34	20	
Surr: 4-Brom	ofluorobenzene	1.1		0.9950		111	80	120	0	0	
Sample ID:	MB-45528	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS	Batch	ID: 45	528	F	RunNo: 6	0624				
Prep Date:	6/12/2019	Analysis Da	ate: 6/	13/2019	5	SeqNo: 2	051816	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.0		1.000		103	80	120			
Sample ID:	LCS-45528	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batch	ID: 45	528	F	RunNo: 6	0624				
Prep Date:	6/12/2019	Analysis D	ate: 6/	13/2019	SeqNo: 2051817 Units: %Rec						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

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

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

Page 32 of 32

Received by OCD: 7/17/2024 8:48:03 AM

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HALL ENVIRONMENTAL ANALYSIS LABORATORY			TEL: 505-345-3975	4901 Hawkins NE querque, NM 87109	Sample Log-In Check List					
Clie	nt Name:	Safety Env Solutions	Work Order Number:	1906521		RcptNo:	1			
Rece	eived By:	Isaiah Ortiz	6/11/2019 (20905		T_C	4				
Com	pleted By:	Isalah Ortiz	6/11/2019 9:24:19 AM		I-C	X				
Revi	ewed By:	10	6/11/19							
1, Is		tody ustody complete? sample delivered?		Yes 🗹 <u>Courier</u>	No 🗌	Not Present				
<u>Log</u> 3. w		pt made to cool the sample	957	Yes 🗹	No 🗌	NA 🗌				
4. W	ere all samp	eles received at a temperati	ure of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌				
5. Sa	ample(s) in p	proper container(s)?		Yes 🗹	No 🗌					
6. Su	fficient sam	ple volume for indicated tes	st(s)?	Yes 🗹	No 🗌					
7, Are	e samples (i	except VOA and ONG) prop	perly preserved?	Yes 🗹	No 🗌					
8. Wa	as preserval	ive added to bottles?		Yes 🗌	No 🗹	NA 🗌				
9. vc	A vials have	e zero headspace?		Yes	No 🗌	No VOA Vials 🗹				
10. W	ere any san	ple containers received bro	oken?	Yes	No 🗹	# of preserved				
		rk match bottle labels? Incies on chain of custody)		Yes 🗹	No 🗌	for pH:	>12 unless noted)			
12. Are	e matrices c	orrectly identified on Chain	of Custody?	Yes 🗹	No 🗌	Adjusted				
13, ls i	it clear what	analyses were requested?		Yes 🗹	No 🗌					
		ng times able to be met? Istomer for authorization.)		Yes 🗹	No 🗌	Checked by:	USC 6-11-19			
Spec	ial Handl	ing (if applicable)								
		tified of all discrepancies w	ith this order?	Yes	No 🗌	NA 🗹				
	Person	Notified:	Date:							
	By Who	m:	Via:] eMail 📋 Phone	e 🗌 Fax	In Person				
	Regardi Client In	ng:		()						
16. A	dditional rer									
	Cooler Infor Cooler No 1	Temp °C Condition	Seal Intact Seal No S Yes	eal Date Sig	ned By					

Page 1 of 1

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request	8260 (VOA) B270 (Seni-VOA) Total Coliform (Present/Absent)	
HALLENV ANALYSI: ANALYSI: www.hallenviron www.hallenviron 4901 Hawkins NE - Albuqu Tel. 505-345-3975 Fax Analysis	8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
4901	BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO)	
Ind Time: Day Dash Day Dash and Drush Amuret 10 Full PAD Amuret 10 Full PAD	Project Manager: AH/ew Bbb Sampler: STM June On Ice: StM June Cooler Templineting CF Job Job Type and # Type AFAL No.	Via: New Via:
Turn-Around Time:	Project Manager Sampler: Sr On Ice: Sr On Ice: Sr Cooler Templer	Received by:
Chain-of-Custody Record Sector & GULHONNOLA Sector & GULHONNOLA Sector 205 & GLINTAN Address: 705 & GLINTAN & MN 88240 e#: 575-397-0510	e:Level 4 (Full Validation)Level 4 (Full Validation)Az ComplianceOthere)Matrix Sample Name	1015 3 AH-1 Scuper 1220 5 AH-2 Scupere 1035 5 AH-2 Scupere 1035 5 AH-2 Scupere 1055 5 AH-3 Scupere 1015 5 AH-3 Scupere 1115 5 AH-4 157 1115 5 AH-5 157 1115 5 AH-5 157 1115 5 AH-6 Scupere 1115 5 AH-7 157 1115
Client: Client: Chain-	email or Fax#: 0A/OC Package: 2 Standard Accreditation: 0 NELAC 0 EDD (Type) Date Time	06-67 1015 1020 1045 1045 1115 1125 1125 1125 1125 1125 1125 11

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Received by OCD: 7/17/2024 8:48:03 AM

ANALYSIS LABORATORY HALL ENVIRONMENTAL utimited to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data well be clearly notated on the analytical report 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com Analysis Request otal Coliforni (Present/Absent) (AOV-imie2) 0728 (AOV) 0928 Br. NO3. NO2, PO4, SO4 CI' E' Tel. 505-345-3975 RCRA 8 Metals 2MI20728 to 0168 Vd 2HA9 EDB (Method 504.1) 8081 Pesticides/8082 PCB's Remarks: TPH:8015D(GRO / DRO / MRO) BTEX / MTBE / TMB's (8021) Paris 96 DRet Cooler Temp(industing CF): 1.1.50.2 (EF) 0.9 Time Time Type 6/10/19 6/11/19 -023 - O24 Date -020 Date -072 -010--Old -D19 90-120--010 -DIJ -03 N Kess Kinney 10 Fed Project #: NUTV-19-010 Rush Bub C Rush Project Name: Jeubry Cour of Ber いろう Allew AN D Yel Turn-Around Time: RI/ Via Project Manager: D Standard # of Coolers: Container Type and # Received by: Sampler: On Ice: Level 4 (Full Validation) Chain-of-Custody Record - ere いないで where INDTU/ where いたい shot to bruur war went U た 5 Sample Name To and 8 4240 Ŧ C -051 AH-12 91- HA AH 10 PH49 M- HA ムキーの 6-HV 44-7 ムキの 1-47 Az Compliance 4+2 20/07/08 -HA YE Relinquished by: Vd bar 703 N.M 50 □ Other Matrix 1 5 necessary, san Mailing Address: 5 NADN QA/QC Package: 1249 1230 1255 340 253 Sigo 1745 12.50 325 1730 345 191 EDD (Type) 1310 1315 email or Fax#: Accreditation: Time lime: ime. Standard **DINELAC** Phone #: Client: 13/90 06/67 110 Date PIG Date:

Received by OCD: 7/17/2024 8:48:03 AM

HALL ENVIRONMENTAL ANALYSIS LABORATORY

September 20, 2023

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

RE: Ross Ranch DEV 19 008

OrderNo.: 2309525

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 12 sample(s) on 9/12/2023 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

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

9/18/2023 12:19:16 PM 77535

9/18/2023 12:19:16 PM 77535

9/15/2023 12:46:00 AM 77482

77535

77482

77482

Analyst: KMN

Analyst: KMN

9/18/2023 12:19:16 PM

9/15/2023 12:46:00 AM

9/15/2023 12:46:00 AM

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental Solut	tions Client Sample ID: SP1-Surface							
Project:	Ross Ranch DEV 19 008	Collection Date: 9/7/2023 2:15:00 PM							
Lab ID:	2309525-001	Matrix: SOIL	Received Date: 9/12/2023 7:15:00 AM						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analys	t: JTT		
Chloride		ND	60	mg/Kg	20	9/15/2023 8:06:21 PM	77551		
EPA MET	HOD 8015M/D: DIESEL RAN				Analys	t: PRD			

160

220

102

ND

94.5

ND

ND

ND

ND

86.8

9.9

50

5.0

15-244

0.025

0.050

0.050

0.10

39.1-146

69-147

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

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

- Value exceeds Maximum Contaminant Level
 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

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SP1-1ft CLIENT: Safety & Environmental Solutions Collection Date: 9/7/2023 2:20:00 PM Ross Ranch DEV 19 008 **Project:** Matrix: SOIL Received Date: 9/12/2023 7:15:00 AM 2309525-002 Lab ID: Batch Result **RL** Qual Units DF Date Analyzed Analyses Analyst: JTT EPA METHOD 300.0: ANIONS

Chloride	ND	60	mg/Kg	20	9/15/2023 8:18:45 PM	77551
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	PRD
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	9/14/2023 11:57:15 AM	77491
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	9/14/2023 11:57:15 AM	77491
Surr: DNOP	98.4	69-147	%Rec	1	9/14/2023 11:57:15 AM	77491
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/15/2023 1:52:00 AM	77482
Surr: BFB	103	15- 244	%Rec	1	9/15/2023 1:52:00 AM	77482
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.025	mg/Kg	1	9/15/2023 1:52:00 AM	77482
Toluene	ND	0.049	mg/Kg	1	9/15/2023 1:52:00 AM	77482
Ethylbenzene	ND	0.049	mg/Kg	1	9/15/2023 1:52:00 AM	77482
Xylenes, Total	ND	0.099	mg/Kg	1	9/15/2023 1:52:00 AM	77482
Surr: 4-Bromofluorobenzene	92.5	39.1-146	%Rec	1	9/15/2023 1:52:00 AM	77482

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

Oua	lit	fie	rs	•
- Qua		пc	13	4

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

Analytical Report
Lab Order 2309525

Date Reported: 9/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT	: Safety & Environmental Solut	tions	Client Sample ID: SP1-2ft						
Project:	Ross Ranch DEV 19 008		Collection Date: 9/7/2023 2:45:00 PM						
Lab ID:	2309525-003	Matrix: SOIL	Received Date: 9/12/2023 7:15:00 AM						
Analyses	S	Result	RL Qu	ual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analyst	: JTT		
Chloride		ND	60	mg/Kg	20	9/15/2023 8:56:00 PM	77551		

	Chionae	ND	00	119/13	20	0/10/2020 0.00.00 / 10	11001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB EPA METHOD 8021B: VOLATILES Benzene	GANICS				Analyst	PRD	
	Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	9/14/2023 12:18:28 PM	77491
	Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	9/14/2023 12:18:28 PM	77491
	Surr: DNOP	128	69-147	%Rec	1	9/14/2023 12:18:28 PM	77491
	EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
	Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/15/2023 2:57:00 AM	77482
	Surr: BFB	102	15-244	%Rec	1	9/15/2023 2:57:00 AM	77482
	EPA METHOD 8021B: VOLATILES					Analyst	KMN
	Benzene	ND	0.024	mg/Kg	া	9/15/2023 2:57:00 AM	77482
	Toluene	ND	0.047	mg/Kg	1	9/15/2023 2:57:00 AM	77482
	Ethylbenzene	ND	0.047	mg/Kg	1	9/15/2023 2:57:00 AM	77482
	Xylenes, Total	ND	0.095	mg/Kg	1	9/15/2023 2:57:00 AM	77482
	Surr: 4-Bromofluorobenzene	91.3	39.1-146	%Rec	1	9/15/2023 2:57:00 AM	77482

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

Project:

Lab ID:

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

Hall Environmental Analysis Laboratory, Inc.

Ross Ranch DEV 19 008

2309525-004

CLIENT: Safety & Environmental Solutions Client Sample ID: SP2-Surface Collection Date: 9/7/2023 1:30:00 PM Received Date: 9/12/2023 7:15:00 AM Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	230	60	mg/Kg	20	9/15/2023 9:33:14 PM	77551
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	PRD
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/14/2023 12:29:03 PM	77491
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/14/2023 12:29:03 PM	77491
Surr: DNOP	123	69-147	%Rec	1	9/14/2023 12:29:03 PM	77491
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	ñ	9/15/2023 3:19:00 AM	77482
Surr: BFB	101	15-244	%Rec	1	9/15/2023 3:19:00 AM	77482
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.025	mg/Kg	1	9/15/2023 3:19:00 AM	77482
Toluene	ND	0.049	mg/Kg	1	9/15/2023 3:19:00 AM	77482
Ethylbenzene	ND	0.049	mg/Kg	1	9/15/2023 3:19:00 AM	77482
Xylenes, Total	ND	0.098	mg/Kg	1	9/15/2023 3:19:00 AM	77482
Surr: 4-Bromofluorobenzene	87.5	39.1-146	%Rec	1	9/15/2023 3:19:00 AM	77482

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

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

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

Analyst: PRD

Analyst: KMN

Analyst: KMN

77491

77482

77482

77482

77482

77482

77482

77482

9/14/2023 12:39:40 PM 77491

9/14/2023 12:39:40 PM 77491

9/14/2023 12:39:40 PM

9/15/2023 3:40:00 AM

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

CLIENT:	: Safety & Environmental Solu	Client Sample ID: SP2-1ft					
Project:	Ross Ranch DEV 19 008	Collection Date: 9/7/2023 1:45:00 PM					
Lab ID:	2309525-005	Matrix: SOIL Received Date: 9/12/2023 7:15:00 AM					
Analyses	5	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analys	t: JTT
						9/15/2023 10:10:27 PM	77551

8.5

42

4.8

15-244

0.024

0.048

0.048

0.096

39.1-146

69-147

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

ND

ND

141

ND

99.2

ND

ND

ND

ND

88.8

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

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

Project:

Lab ID:

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2309525-006

Ross Ranch DEV 19 008

Client Sample ID: SP2-2ft Collection Date: 9/7/2023 1:55:00 PM Matrix: SOIL Received Date: 9/12/2023 7:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JTT
Chloride	74	60	mg/Kg	20	9/15/2023 10:22:51 PM	77551
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/14/2023 12:50:15 PM	77491
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/14/2023 12:50:15 PM	77491
Surr: DNOP	122	69-147	%Rec	1	9/14/2023 12:50:15 PM	77491
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/15/2023 4:02:00 AM	77482
Surr: BFB	103	15-244	%Rec	1	9/15/2023 4:02:00 AM	77482
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.023	mg/Kg	1	9/15/2023 4:02:00 AM	77482
Toluene	ND	0.046	mg/Kg	1	9/15/2023 4:02:00 AM	77482
Ethylbenzene	ND	0.046	mg/Kg	1	9/15/2023 4:02:00 AM	77482
Xylenes, Total	ND	0.093	mg/Kg	1	9/15/2023 4:02:00 AM	77482
Surr: 4-Bromofluorobenzene	91.7	39.1-146	%Rec	1	9/15/2023 4:02:00 AM	77482

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

.

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

9/18/2023 12:30:03 PM 77535

9/15/2023 4:24:00 AM

Analyst: KMN

Analyst: KMN

77482

77482

77482

77482

77482

77482

77482

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	: Safety & Environmental Sol	Client Sample ID: SP3-Surface Collection Date: 9/6/2023 1:40:00 PM						
Project:	Ross Ranch DEV 19 008							
Lab ID:	2309525-007	Matrix: SOIL	Received Date: 9/12/2023 7:15:00 AM					
Analyses	5	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS					Analyst	: JTT	
Chloride		<mark>1100</mark>	60	mg/Kg	20	9/15/2023 10:35:16 PM	77551	
EPA ME	THOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	: PRD	
Diesel R	ange Organics (DRO)	26	9.7	mg/Kg	1	9/18/2023 12:30:03 PM	77535	
	il Range Organics (MRO)	71	49	mg/Kg	1	9/18/2023 12:30:03 PM	77535	

95.1

ND

98.9

ND

ND

ND

ND

88.2

69-147

4.8

15-244

0.024

0.048

0.048

0.096

39.1-146

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

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

- ٠ 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
- Above Quantitation Range/Estimated Value E Analyte detected below quantitation limits
- J
- Sample pH Not In Range р
- RL Reporting Limit

Project:

Lab ID:

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2309525-008

Ross Ranch DEV 19 008

Client Sample ID: SP3-1ft Collection Date: 9/6/2023 1:49:00 PM Received Date: 9/12/2023 7:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	320	60	mg/Kg	20	9/15/2023 10:47:40 PM	77551
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	PRD
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	9/14/2023 1:11:28 PM	77491
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	9/14/2023 1:11:28 PM	77491
Surr: DNOP	118	69-147	%Rec	1	9/14/2023 1:11:28 PM	77491
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/15/2023 4:46:00 AM	77482
Surr: BFB	101	15- 244	%Rec	1	9/15/2023 4:46:00 AM	77482
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.024	mg/Kg	1	9/15/2023 4:46:00 AM	77482
Toluene	ND	0.048	mg/Kg	1	9/15/2023 4:46:00 AM	77482
Ethylbenzene	ND	0.048	mg/Kg	1	9/15/2023 4:46:00 AM	77482
Xylenes, Total	ND	0.096	mg/Kg	1	9/15/2023 4:46:00 AM	77482
Surr: 4-Bromofluorobenzene	91.3	39.1-146	%Rec	1	9/15/2023 4:46:00 AM	77482

Matrix: SOIL

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

- ٠ Value exceeds Maximum Contaminant Level Sample Diluted Due to Matrix
- D 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
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range Ρ
- RL Reporting Limit

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

9/14/2023 1:22:07 PM

9/14/2023 1:22:07 PM

9/14/2023 1:22:07 PM

9/15/2023 5:07:00 AM

77491

77491

77491

77482

77482

77482

77482

77482

77482

77482

Analyst: KMN

Analyst: KMN

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Project:	Safety & Environmental Solu Ross Ranch DEV 19 008	Client Sample ID: SP3-2ft Collection Date: 9/6/2023 2:00:00 PM						
Lab ID:	2309525-009	Matrix: SOIL Received Date: 9/12/2023 7:15:00 AM						
Analyses	3	Result RL Qual Units DF Date Analyza					Batch	
EPA ME	THOD 300.0: ANIONS					Analys	t: JTT	
Chloride 520			60	mg/Kg	20	9/15/2023 11:00:04 PM	77551	
EPA ME	THOD 8015M/D: DIESEL RAN				Analys	t: PRD		

ND

ND

102

ND

101

ND

ND

ND

ND

90.7

9.5

48

4.8

15-244

0.024

0.048

0.048

0.097

39.1-146

69-147

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

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

- Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit POL
- % 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 Ρ Sample pH Not In Range
- RL Reporting Limit

EPA METHOD 300.0: ANIONS

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

Chloride

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

9/15/2023 11:12:29 PM

9/18/2023 1:02:20 PM

9/18/2023 1:02:20 PM

9/18/2023 1:02:20 PM

9/15/2023 1:58:00 PM

Analyst: JTT

Analyst: PRD

Analyst: KMN

Analyst: KMN

77551

77535

77535

77535

77482

77482

77482

77482

77482

77482

77482

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Analyses		Result	RL Qual Units	DF Date Analyzed	Batch			
Lab ID:	2309525-010	Matrix: SOIL	Received Dat	e: 9/12/2023 7:15:00 AM				
Project:	Ross Ranch DEV 19 008		Collection Dat	e: 9/6/2023 1:00:00 PM				
CLIENT:	Safety & Environmental Soluti	ions	Client Sample ID: SP4-Surface					

60

9.6

48

4.9

15-244

0.025

0.049

0.049

0.099

39.1-146

69-147

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

20

1

1

1

1

1

1

1

1

1

1

190

14

49

93.7

ND

110

ND

ND

ND

ND

95.1

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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
- J Analyte detected below quantitation P Sample pH Not In Range
- RL Reporting Limit
- KL Reporting Linit

Page 11 of 20

EPA METHOD 300.0: ANIONS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

9/15/2023 11:24:54 PM

9/14/2023 1:54:01 PM

9/14/2023 1:54:01 PM

9/14/2023 1:54:01 PM

9/15/2023 2:19:00 PM

Analyst: JTT

Analyst: PRD

Analyst: KMN

Analyst: KMN

77551

77491

77491

77491

77482

77482

77482

77482

77482

77482

77482

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Analyses		Result	RL Qual Units	DF Date Analyzed	Batch
Lab ID:	2309525-011	Matrix: SOIL	Received Dat	e: 9/12/2023 7:15:00 AM	
Project:	Ross Ranch DEV 19 008		Collection Dat	e: 9/6/2023 1:15:00 PM	
CLIENT:	Safety & Environmental Solu	tions	Client Sample II	D: SP4-1ft	

ND

ND

ND

157

ND

101

ND

ND

ND

ND

88.9

60

9.3

46

4.9

15-244

0.025

0.049

0.049

0.098

39.1-146

S

69-147

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

20

1

1

1

1

1

1

1

1

1

1

Refer to the OC Summary report an	d sample login	checklist for flagged	OC data and	preservation information
Refer to the VC Summary report an	л занныс юенн	CHECKIIST IOI HAZZEL	i OC uala allu	Diesel valion mitormation.

- ٠ 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
- Analyte detected below quantitation limits J Sample pH Not In Range
- Р RL
- Reporting Limit

Project:

Lab ID:

Analytical Report Lab Order 2309525

Date Reported: 9/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2309525-012

Ross Ranch DEV 19 008

Client Sample ID: SP4-2ft Collection Date: 9/6/2023 1:30:00 PM Received Date: 9/12/2023 7:15:00 AM Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JTT
Chloride	120	60		mg/Kg	20	9/15/2023 11:37:18 PM	77551
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS					Analyst	PRD
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	9/14/2023 2:04:41 PM	77491
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	9/14/2023 2:04:41 PM	77491
Surr: DNOP	168	69-147	S	%Rec	1	9/14/2023 2:04:41 PM	77491
EPA METHOD 8015D: GASOLINE RANGE						Analyst	KMN
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/15/2023 2:41:00 PM	77482
Surr: BFB	96.1	15-244		%Rec	1	9/15/2023 2:41:00 PM	77482
EPA METHOD 8021B: VOLATILES						Analyst	KMN
Benzene	ND	0.023		mg/Kg	1	9/15/2023 2:41:00 PM	77482
Toluene	ND	0.047		mg/Kg	1	9/15/2023 2:41:00 PM	77482
Ethylbenzene	ND	0.047		mg/Kg	1	9/15/2023 2:41:00 PM	77482
Xylenes, Total	ND	0.094		mg/Kg	1	9/15/2023 2:41:00 PM	77482
Surr: 4-Bromofluorobenzene	86.5	39.1-146		%Rec	1	9/15/2023 2:41:00 PM	77482

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

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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 2309525

20-Sep-23

Client: Project:		ty & Environmo s Ranch DEV 19		olutions							
Sample ID:	MB-77551	IB-77551 SampType: MBLK				TestCode: EPA Method 300.0: Anions					
Client ID:	PBS	Batch	D: 77	551	F	RunNo: 99	9735				
Prep Date:	9/15/2023	Analysis D	ate: 9/	15/2023	5	SeqNo: 36	645363	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-77551	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anions	5		
Client ID:	LCSS	Batch	n ID: 77	551	F	RunNo: 99	9735				
Prep Date:	9/15/2023	Analysis D	ate: 9/	15/2023	5	SeqNo: 36	645364	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	94.9	90	110			

- 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

Client:

Project:

nmental Analysis Laboratory, Inc.	20-Sep-23
Safety & Environmental Solutions	
Ross Ranch DEV 19 008	

Froject:	KUSS Kalle		- 000									
Sample ID:	D: LCS-77491 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics											
Client ID:	LCSS	Batch ID: 77491			RunNo: 99723							
Prep Date:	9/13/2023	Analysis Date: 9/14/2023			SeqNo: 3644695			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	Organics (DRO)	65	10	50.00	0	131	61.9	130			S	
Surr: DNOP		6.7		5.000		133	69	147				
Sample ID:	MB-77491	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	PBS	Batch ID: 77491			RunNo: 99723							
Prep Date:	9/13/2023	Analysis Date: 9/14/2023			SeqNo: 3644696			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
•	Organics (DRO)	ND	10									
Motor Oil Rang Surr: DNOP	e Organics (MRO)	ND 14	50	10.00		140	69	147				
Sample ID:	2309525-007AMS		ype: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	SP3-Surface	Batch ID: 77535			RunNo: 99781							
Prep Date:	9/15/2023	Analysis Date: 9/18/2023			SeqNo: 3647211			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	Organics (DRO)	60 4.3	9.5	47.66 4.766	27.91	67.4 90.1	54.2 69	135 147				
Surr: DNOP		4.5		4.700		30.1						
Sample ID:	2309525-007AMSD	Samp⊤	ype: MS	SD.	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	SP3-Surface	Batch ID: 77535			RunNo: 99781							
Prep Date:	9/15/2023	Analysis D	ate: 9/	18/2023	\$	SeqNo: 3	647213	Units: mg/M	۲g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	Organics (DRO)	61	9.3	46.34	27.91	72.2	54.2	135	2.18	29.2		
Surr: DNOP		4.6		4.634		99.6	69	147	0	0		
Sample ID:	LCS-77535	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	LCSS	Batch ID: 77535			RunNo: 99781							
Prep Date:	9/15/2023	Analysis Date: 9/18/2023			SeqNo: 3647267			Units: mg/Kg				
							Loud Instit	Highl imit			Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Quai	
	Organics (DRO)	Result 44 4.5	PQL 10	SPK value 50.00 5.000	SPK Ref Val	%REC 88.7 90.3	61.9 69	130 147	%RPD	RPDLIMI	Quai	

Qualifiers:

. Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded н

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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2309525

WO#:

2309525

20-Sep-23

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Safety & Environmental Solutions **Client: Project:** Ross Ranch DEV 19 008 Sample ID: MB-77535 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 99781 Client ID: PBS Batch ID: 77535 SeqNo: 3647271 Units: mg/Kg Prep Date: 9/15/2023 Analysis Date: 9/18/2023 %REC HighLimit %RPD RPDLimit Qual Result PQL SPK value SPK Ref Val LowLimit Analyte Diesel Range Organics (DRO) ND 10 ND 50 Motor Oil Range Organics (MRO) 92.0 69 147 Surr: DNOP 9.2 10.00

- 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
- POL 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

MARY REPORT	WO#:	2309525
nmental Analysis Laboratory, Inc.		20-Sep-23

Client: Project:	Safety & I Ross Rand										
Sample ID:	Ics-77482 Samp⊤ype: LCS				TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	LCSS	Batch	n ID: 774	182	RunNo: 99696						
Prep Date:	9/13/2023	Analysis Date: 9/14/2023			SeqNo: 3643762			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	22	5.0	25.00	0	88.0	70	130			
Surr: BFB		2200		1000		221	15	244			
Sample ID:	mple ID: mb-77482 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range										
Client ID:	PBS	Batch	1 ID: 774	182	RunNo: 99696						
Prep Date:	9/13/2023	Analysis Date: 9/15/2023			SeqNo: 3643763 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
and the second second	e Organics (GRO)	ND	5.0								
Surr: BFB		970		1000		97.3	15	244			
Sample ID:	2309525-001ams	SampT	ype: MS	;	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	SP1-Surface	Batch ID: 77482			RunNo: 99696						
Prep Date:	9/13/2023	Analysis Date: 9/15/2023			SeqNo: 3643765			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	25	5.0	24.83	0	99.8	70	130			
Surr: BFB		2200		993.0		220	15	244			
Sample ID:	: 2309525-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range										
Client ID:	SP1-Surface	Batch ID: 77482			RunNo: 99696						
Prep Date:	9/13/2023	Analysis Date: 9/15/2023			SeqNo: 3643766			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	5.0	24.90	0	92.8	70	130	6.97	20	
Surr: BFB		2100		996.0		215	15	244	0	0	
- 10 C											

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
- Above Quantitation Range/Estimated Value Е Analyte detected below quantitation limits
- J Sample pH Not In Range Reporting Limit P
- RL
QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 2309525

20-Sep-23

Client: Project:	Safety & I Ross Ranc			olutions							
Sample ID:	lcs-77482	Samp1	Type: LC:	S	Tes	Code: EF	A Method	8021B: Volati	les		
Client ID:	LCSS		n ID: 774		R						
	9/13/2023	Analysis E				eqNo: 36		Units: mg/K	a		
Prep Date:	9/13/2023	Analysis L				•		-	-		
Analyte		Result	PQL	SPK value		%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.025	1.000	0	89.9	70	130			
Toluene		0.89	0.050	1.000	0	89.3	70	130			
Ethylbenzene		0.92	0.050	1.000	0	91.8	70	130			
Xylenes, Total		2.8	0.10	3.000	0	92.3	70	130			
Surr: 4-Brom	nofluorobenzene	0.89		1.000		89.4	39.1	146			
Sample ID:	mb-77482	SampT	Гуре: МВ	LK	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID:	PBS	Batcl	h ID: 774	82	F	tunNo: 99	9696				
Prep Date:	9/13/2023	Analysis E)ate: 9/1	5/2023	5	SeqNo: 36	643843	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-Brom	nofluorobenzene	0.87		1.000		87.3	39.1	146			
Sample ID:	2309525-002ams	Samp	Гуре: MS	;	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	SP1-1ft	Batcl	h ID: 774	82	F	RunNo: 9 9	9696				
Prep Date:	9/13/2023	Analysis E)ate: 9/*	5/2023	5	SeqNo: 36	643846	Units: mg/K	a		
Analyte									-0		
_		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		Result 0.90	PQL 0.025	SPK value 0.9852	SPK Ref Val	%REC 91.5	LowLimit 70	130	•	RPDLimit	Qual
				0.9852 0.9852	0 0	91.5 91.7	70 70	130 130	•	RPDLimit	Qual
Toluene		0.90 0.90 0.93	0.025 0.049 0.049	0.9852 0.9852 0.9852	0 0 0	91.5 91.7 93.9	70 70 70	130 130 130	•	RPDLimit	Qual
Toluene Ethylbenzene		0.90 0.90	0.025 0.049	0.9852 0.9852	0 0	91.5 91.7 93.9 94.1	70 70 70 70	130 130 130 130	•	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total	nofluorobenzene	0.90 0.90 0.93	0.025 0.049 0.049	0.9852 0.9852 0.9852	0 0 0	91.5 91.7 93.9	70 70 70	130 130 130	•	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	nofluorobenzene 2309525-002amsd	0.90 0.90 0.93 2.8 0.91	0.025 0.049 0.049	0.9852 0.9852 0.9852 2.956 0.9852	0 0 0	91.5 91.7 93.9 94.1 92.9	70 70 70 70 39.1	130 130 130 130	%RPD	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom		0.90 0.90 0.93 2.8 0.91	0.025 0.049 0.049 0.099	0.9852 0.9852 0.9852 2.956 0.9852	0 0 0 0 Tes	91.5 91.7 93.9 94.1 92.9	70 70 70 39.1 PA Method	130 130 130 130 130 146	%RPD	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID:	2309525-002amsd	0.90 0.90 0.93 2.8 0.91	0.025 0.049 0.049 0.099 Type: MS	0.9852 0.9852 2.956 0.9852 3D 182	0 0 0 0 Tes F	91.5 91.7 93.9 94.1 92.9 tCode: EF	70 70 70 39.1 PA Method	130 130 130 130 130 146	%RPD	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID:	2309525-002amsd SP1-1ft	0.90 0.90 0.93 2.8 0.91 Samp	0.025 0.049 0.049 0.099 Type: MS	0.9852 0.9852 2.956 0.9852 3D 182	0 0 0 0 Tes F	91.5 91.7 93.9 94.1 92.9 tCode: EF	70 70 70 39.1 PA Method	130 130 130 130 146 8021B: Volat	%RPD	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte	2309525-002amsd SP1-1ft	0.90 0.90 0.93 2.8 0.91 Samp Batc Analysis I	0.025 0.049 0.049 0.099 Type: MS h ID: 77 4 Date: 9 /*	0.9852 0.9852 2.956 0.9852 5D 15/2023	0 0 0 0 Tes	91.5 91.7 93.9 94.1 92.9 tCode: EF RunNo: 99 SeqNo: 36	70 70 70 39.1 PA Method 9696 543847	130 130 130 130 146 8021B: Volat Units: mg/#	%RPD	RPDLimit 20	
Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene	2309525-002amsd SP1-1ft	0.90 0.90 0.93 2.8 0.91 Samp Batcl Analysis I Result	0.025 0.049 0.049 0.099 Type: MS h ID: 77 4 Date: 9 /*	0.9852 0.9852 2.956 0.9852 5D 182 15/2023 SPK value	0 0 0 Tes F SPK Ref Val	91.5 91.7 93.9 94.1 92.9 tCode: EF RunNo: 99 SeqNo: 30 %REC	70 70 70 39.1 24 Method 2696 543847 LowLimit	130 130 130 130 146 8021B: Volat Units: mg/# HighLimit	%RPD iles %RPD	RPDLimit	
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene Toluene	2309525-002amsd SP1-1ft	0.90 0.90 0.93 2.8 0.91 Samp Batcl Analysis I Result 0.91	0.025 0.049 0.049 0.099 Type: MS h ID: 774 Date: 9 /' PQL 0.025	0.9852 0.9852 2.956 0.9852 5D 182 15/2023 SPK value 0.9901	0 0 0 Tes F SPK Ref Val 0	91.5 91.7 93.9 94.1 92.9 tCode: EF RunNo: 99 SeqNo: 30 %REC 92.1	70 70 70 39.1 PA Method 9696 643847 LowLimit 70	130 130 130 130 146 8021B: Volat Units: mg/⊮ HighLimit 130	%RPD iles &g %RPD 1.16	RPDLimit 20 20 20	
Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte	2309525-002amsd SP1-1ft 9/13/2023	0.90 0.93 2.8 0.91 Samp Batc Analysis I Result 0.91 0.92	0.025 0.049 0.049 0.099 Type: MS h ID: 774 Date: 9 /7 PQL 0.025 0.050	0.9852 0.9852 2.956 0.9852 5D 182 15/2023 SPK value 0.9901 0.9901	0 0 0 Tes F SPK Ref Val 0 0	91.5 91.7 93.9 94.1 92.9 tCode: EF RunNo: 99 SeqNo: 30 %REC 92.1 92.4	70 70 70 39.1 PA Method 9696 543847 LowLimit 70 70 70	130 130 130 130 146 8021B: Volat Units: mg/M HighLimit 130 130	%RPD iles 59 %RPD 1.16 1.28	RPDLimit 20 20	

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

•

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental . Albu TEL: 505-345-3975 Website: www.hau	4901 Hawkins querque, NM 871 FAX: 505-345-44	NE 109 Sam 107	ple Log-In (Check L	ist
Client Name: Safety & Environmental Solutions	Work Order Number:	2309525		ReptNo	: 1	
Received By: Tracy Casarrubias 9/1	12/2023 7:15:00 AM					
Completed By: Tracy Casarrubias 9/1	12/2023 8:31:14 AM					
Reviewed By: 7/12/23						
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 🗌		
			No 🗌	na 🗆		
4. Were all samples received at a temperature of >	-0° C to 6.0°C	Yes 🗹				
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌			
6. Sufficient sample volume for indicated test(s)?		Yes 🔽	No 🗋			
7. Are samples (except VOA and ONG) properly pre-	eserved?	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 🗹	1	
10. Were any sample containers received broken?		Yes	No 🗸	# of preserved bottles checked	/	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH: (<2 o	or 12 unless	noted)
2. Are matrices correctly identified on Chain of Cust	tody?	Yes 🗹	No 🗌	Adjusted?	1.	. 1
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌		15m	9/12
14. Were all holding times able to be met? (If no. notify customer for authorization.)		Yes 🗹	No 🗔	Checked by:	avit	. []
Special Handling (if applicable)						
15. Was client notified of all discrepancies with this	order?	Yes 🗌	No 🗋	NA 🗹		
Person Notified:	Date:					
By Whom:	Via:] eMail 📋 Pl	hone 🗌 Fax	🔲 In Person		
Regarding:						
Client Instructions:						
16. Additional remarks:						
17. Cooler Information						
Cooler No Temp °C Condition Seal I	ntact Seal No S	Seal Date	Signed By			

Page 1 of 1

Chain-of-Custody Record Tum-Around Time: Chain-of-Custody Record Tum-Around Time: Chain of the August Standard Markey Standard	Project Name: RESS Remch	Clinton	40 Project #: Ress Reach / P. P. C. 10. 505-345-3975 Fax	AR 1915042001 (225-3-3 1)	Project Manager:	Geb Allen (dation) Ceb Allen 15 (80: 20 / MI	Sampler: Rowto Martiner 1082 1 102		# of Coolers; /	1155 (esti 707 8 M 8 M 8 M 8 (707 8 M	Container Preservative HEAL No. Container Preservative HEAL No. Type and # Type 23045.75 BT EX BT EX BT EX BT EX BT EX CONCURRENT FOR CONCURR	SPI-Surface 4/02 Jul Ice	42 Ter 1 Fee	- 2ft the Jarl Ece	SP2-Surface 402 Jar 1 Tee 004 XX X A	522-197 4022-1 TCP 005 XX X X	2Pt Hor Jar / Tre Opto XX	Surface the Tar 1 Tre 007 XX	× '	294 Yor True Tec 009 X		-1ft 402 Jarl Ece		Received by: Via: Date Time Remarks:			1900 COMMUNY 200 COMMUNY And States of this president the contracted data will be clearly notated on the analytical report.
			3	510	nee @Sesi-Am.com	Construction	ompliance	Sr.			Sample Name	5P1-54160	191-192	1.1	SP2-Surfac		ι.		\sim	- 1		++1-625	1	shed by:		1	anna
in-of-CI	ery r cn	ress: 703	NW 88240	575 397 0510	tory :#X	age: hable			1		ne Matrix	4	1420 S	1445 S	1330 5	1345 S	1355 5	1340 S	5999 S	1400 S	300 5	S	1530 5	T	0700 Ray		13900 C.C.M
Client: O	14(Mailing Address:	Labbe	1 36	email or Fax#:	QA/QC Packs	Accreditation:		D EDD (Type)		Date	w			1			946/25 13	9/4/23 13	-		9/4/23 1		-	9/16/25 00	Date: Time:	

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Received by OCD: 7/17/2024 8:48:03 AM

Received by OCD: 7/17/2024 8:48:03 AM

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5



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Bob Allen Safety & Environmental Solutions PO BOX 1613 Hobbs, New Mexico 88241 Generated 7/9/2024 12:03:49 PM

JOB DESCRIPTION

Ross Ranch 10 Fed 1

JOB NUMBER

885-6687-1

EOI

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information Released to Imaging: 7/19/2024 2:31:23 PM



Received by OCD: 7/17/2024 8:48:03 AM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 7/9/2024 12:03:49 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Laboratory Job ID: 885-6687-1

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3

Job ID: 885-6687-1

Definitions/Glossary

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Qualifiers

GU	VUA	
Qua	lifier	

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radlochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant guality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/21/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client Sample ID: CS5-Su ate Collected: 06/19/24 09:30 ate Received: 06/21/24 09:00	rface					Lab Samp	le ID: 885-6 Matrix	687-1 :: Solid
Method: SW846 8015M/D - Ga Analyte		je Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		06/21/24 13:46	06/28/24 02:53	1
Method: SW846 8015M/D - Ga	soline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		35 - 166			06/21/24 13:46	06/28/24 02:53	
Method: SW846 8021B - Vola	ile Organic	Compound	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.024	mg/Kg		06/21/24 13:46	06/28/24 02:53	3
Ethylbenzene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 02:53	3
Toluene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 02:53	8
Xylenes, Total	ND		0.096	mg/Kg		06/21/24 13:46	06/28/24 02:53	8
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		48 - 145			06/21/24 13:46	06/28/24 02:53	14
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Analyte		Qualifler	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		06/25/24 09:30	06/26/24 01:52	03
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		06/25/24 09:30	06/26/24 01:52	3
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	104		62 - 134			06/25/24 09:30	06/26/24 01:52	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

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Client Sample Results

lient Sample ID: CS5-1ff ate Collected: 06/19/24 09:45						Lab Samp	le ID: 885-6 Matrix	
ate Received: 06/21/24 09:00		Oreania	- (CBO) (CC)					
Method: SW846 8015M/D - Ga Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		06/21/24 13:46	06/28/24 03:37	
Method: SW846 8015M/D - Ga	asoline Rang	e Organic	s (GRO) (GC)					
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		35 - 166			06/21/24 13:46	06/28/24 03:37	
Method: SW846 8021B - Vola	tilo Organic	Compound	de (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.024	mg/Kg		06/21/24 13:46	06/28/24 03:37	
Ethylbenzene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 03:37	
oluene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 03:37	
(ylenes, Total	ND		0.095	mg/Kg		06/21/24 13:46	06/28/24 03:37	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
I-Bromofluorobenzene (Surr)	89		48 - 145			06/21/24 13:46	06/28/24 03:37	
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		06/25/24 09:30	06/26/24 02:05	
Notor Oil Range Organics [C28-C40]	ND		50	mg/Kg		06/25/24 09:30	06/26/24 02:05	
lethod: SW846 8015M/D - D	esel Range	Organics (DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	105		62 - 134			06/25/24 09:30	06/26/24 02:05	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	200		60	mg/Kg		06/25/24 11:07	06/25/24 18:10	2

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Client Sample Results

lient Sample ID: CS6-Su ate Collected: 06/19/24 10:37	rface					Lab Samp	e ID: 885-6 Matrix	687-3 : Solid
ate Received: 06/21/24 09:00 Method: SW846 8015M/D - Ga Analyte		je Organic Qualifier	s (GRO) (GC) _{RL}	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		06/21/24 13:46	06/28/24 03:58	1
Method: SW846 8015M/D - Ga	soline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			06/21/24 13:46	06/28/24 03:58	1
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.024	mg/Kg		06/21/24 13:46	06/28/24 03:58	
Ethylbenzene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 03:58	
Toluene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 03:58	
Xylenes, Total	ND		0.096	mg/Kg		06/21/24 13:46	06/28/24 03:58	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		48 - 145			06/21/24 13:46	06/28/24 03:58	í.
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		06/25/24 09:30	06/26/24 02:18	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 02:18	
Method: SW846 8015M/D - Di	esel Range	Organics ((DRO) (GC)					
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	104		62 - 134			06/25/24 09:30	06/26/24 02:18	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifler	RL	Unit	D		Analyzed	Dil Fa
Chloride	440		60	mg/Kg		06/25/24 11:07	06/25/24 18:47	2

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Client Sample Results

lient Sample ID: CS6-1f ate Collected: 06/19/24 11:00 ate Received: 06/21/24 09:00	5					Lab Samp	le ID: 885-6 Matrix	687-4 : Solid
Method: SW846 8015M/D - G	asoline Rang			11.24		Deserved	Analyzad	Dil Fac
Analyte	Result ND	Qualifier	4.7	Unit mg/Kg	D	Prepared 06/21/24 13:46	Analyzed 06/28/24 04:20	Dil Fac
Gasoline Range Organics [C6 - C10]				ingrig		00/21/24 13.40	00/20/24 04.20	
Method: SW846 8015M/D - G	asoline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			06/21/24 13:46	06/28/24 04:20	1
	tile Organia	Compour						
Method: SW846 8021B - Vola Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	quarrier	0.024	mg/Kg		06/21/24 13:46	06/28/24 04:20	
Ethylbenzene	ND		0.047	mg/Kg		06/21/24 13:46	06/28/24 04:20	5
Toluene	ND		0.047	mg/Kg		06/21/24 13:46	06/28/24 04:20	24
Xylenes, Total	ND		0.095	mg/Kg		06/21/24 13:46	06/28/24 04:20	5
Method: SW846 8021B - Vola	atile Organic	Compoun	ds (GC)					
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		48 - 145			06/21/24 13:46	06/28/24 04:20	3
Method: SW846 8015M/D - D	inent Banga	Organica						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		06/25/24 09:30	06/26/24 02:30	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 02:30	
Method: SW846 8015M/D - D	iesel Range	Organics ((DRO) (GC)					
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	102		62 - 134			06/25/24 09:30	06/26/24 02:30	
Method: EPA 300.0 - Anions	. Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	170		60	mg/Kg		06/25/24 11:07	06/25/24 18:59	2

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Client Sample Results

lient Sample ID: CS7-Su						Lab Samp	le ID: 885-6	
ate Collected: 06/19/24 10:59 ate Received: 06/21/24 09:00							Matrix	: 3010
Method: SW846 8015M/D - Ga		je Organic Qualifier	s (GRO) (GC) _{RL}	Unit	D	Prepared	Analyzed	DII Fa
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		06/21/24 13:46	06/28/24 04:42	
Method: SW846 8015M/D - G	asoline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualífier	Limits			Prepared	Analyzed	Dil Fa
-Bromofluorobenzene (Surr)	96		35 - 166			06/21/24 13:46	06/28/24 04:42	
lethod: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
nalyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
enzene	ND		0.024	mg/Kg		06/21/24 13:46	06/28/24 04:42	
thylbenzene	ND		0.047	mg/Kg		06/21/24 13:46	06/28/24 04:42	
oluene	ND		0.047	mg/Kg		06/21/24 13:46	06/28/24 04:42	
ylenes, Total	ND		0.094	mg/Kg		06/21/24 13:46	06/28/24 04:42	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
-Bromofluorobenzene (Surr)	90		48 - 145			06/21/24 13:46	06/28/24 04:42	
//ethod: SW846 8015M/D - D	iesel Range	Organics (DRO) (GC)					
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
iesel Range Organics [C10-C28]	ND		10	mg/Kg		06/25/24 09:30	06/26/24 02:43	
otor Oll Range Organics [C28-C40]	ND		50	mg/Kg		06/25/24 09:30	06/26/24 02:43	
lethod: SW846 8015M/D - D	iesel Range	Organics (DRO) (GC)					
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
i-n-octyl phthalate (Surr)	103		62 - 134			06/25/24 09:30	06/26/24 02:43	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	170		60	mg/Kg		06/25/24 11:07	06/25/24 19:11	_

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Client Sample Results

lient Sample ID: CS7-1ff						Lab Samp	le ID: 885-6	
ate Collected: 06/19/24 11:15 ate Received: 06/21/24 09:00							Matrix	: Solid
Method: SW846 8015M/D - Ga Analyte		je Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		06/21/24 13:46	06/28/24 05:04	
Method: SW846 8015M/D - Ga	asoline Rang	e Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		35 - 166			06/21/24 13:46	06/28/24 05:04	12
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.025	mg/Kg		06/21/24 13:46	06/28/24 05:04	20
Ethylbenzene	ND		0.049	mg/Kg		06/21/24 13:46	06/28/24 05:04	
Toluene	ND		0.049	mg/Kg		06/21/24 13:46	06/28/24 05:04	
Xylenes, Total	ND		0.099	mg/Kg		06/21/24 13:46	06/28/24 05:04	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		48 - 145			06/21/24 13:46	06/28/24 05:04	
	esel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		06/25/24 09:30	06/26/24 02:56	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 02:56	
Method: SW846 8015M/D - D	esel Range	Organics ((DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
-	105		62 - 134			06/25/24 09:30	06/26/24 02:56	
Di-n-octyl phthalate (Surr)								
Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions,	Ion Chroma	tography						
		t <mark>ography</mark> Qualifler	RL	Unit	D	Prepared	Analyzed 06/25/24 19:24	Dil Fa

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Client Sample Results

Job ID: 885-6687-1

lient Sample ID: CS8-Su ate Collected: 06/19/24 11:25	rface					Lab Samp	le ID: 885-6 Matrix	687-7
ate Received: 06/21/24 09:00								
Method: SW846 8015M/D - Ga Analyte		je Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		06/21/24 13:46	06/28/24 05:26	
Method: SW846 8015M/D - Ga	asoline Rang	je Organio	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		35 - 166			06/21/24 13:46	06/28/24 05:26	1
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.023	mg/Kg		06/21/24 13:46	06/28/24 05:26	
Ethylbenzene	ND		0.046	mg/Kg		06/21/24 13:46	06/28/24 05:26	
Foluene	ND		0.046	mg/Kg		06/21/24 13:46	06/28/24 05:26	
Kylenes, Total	ND		0.091	mg/Kg		06/21/24 13:46	06/28/24 05:26	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		48 - 145			06/21/24 13:46	06/28/24 05:26	
Method: SW846 8015M/D - Di	esel Range	Organics ((DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		06/25/24 09:30	06/26/24 03:08	
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		06/25/24 09:30	06/26/24 03:08	
Method: SW846 8015M/D - Di	esel Range	Organics ((DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	DII Fa
Di-n-octyl phthalate (Surr)	108		62 - 134			06/25/24 09:30	06/26/24 03:08	
Method: EPA 300.0 - Anions.	Ion Chroma	tography						
Method: EPA 300.0 - Anions, Analyte		tography Qualifler	RL	Unit	D	Prepared	Analyzed	Dil Fa

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Client Sample Results

Job ID: 885-6687-1

lient Sample ID: CS8-1ft						Lab Samp	le ID: 885-6	687-8
ate Collected: 06/19/24 11:33 ate Received: 06/21/24 09:00							Matrix	: Solid
Method: SW846 8015M/D - Ga Analyte		je Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND	duanner	4.8	mg/Kg		06/21/24 13:46	06/28/24 05:47	Unita
Method: SW846 8015M/D - Ga	soline Rang	je Organic	s (GRO) (GC)	0.0				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	98		35 - 166			06/21/24 13:46	06/28/24 05:47	
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND	-	0.024	mg/Kg		06/21/24 13:46	06/28/24 05:47	
Ethylbenzene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 05:47	
Toluene	ND		0.048	mg/Kg		06/21/24 13:46	06/28/24 05:47	
Kylenes, Total	ND		0.095	mg/Kg		06/21/24 13:46	06/28/24 05:47	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		48 - 145			06/21/24 13:46	06/28/24 05:47	
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		06/25/24 09:30	06/26/24 03:21	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 03:21	
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	110		62 - 134			06/25/24 09:30	06/26/24 03:21	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2100		60	mg/Kg		06/25/24 11:07	06/25/24 19:48	2

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Client Sample Results

lient Sample ID: CS8-2ft ate Collected: 06/19/24 11:55 ate Received: 06/21/24 09:00						Lab Samp	le ID: 885-6 Matrix	687-9 : Solid
Method: SW846 8015M/D - Ga					_		0 - church	Dil Fac
Analyte		Qualifier	RL	Unit	D	Prepared 06/21/24 13:46	Analyzed 06/28/24 06:09	Dii Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		06/21/24 13:40	06/26/24 06:09	- N
Method: SW846 8015M/D - Ga	asoline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			06/21/24 13:46	06/28/24 06:09	1
		0						
Method: SW846 8021B - Vola Analyte	tile Urganic	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND	quanner	0.024	mg/Kg	-0-	06/21/24 13:46	06/28/24 06:09	
Ethylbenzene	ND		0.049	mg/Kg		06/21/24 13:46	06/28/24 06:09	
Toluene	ND		0.049	mg/Kg		06/21/24 13:46	06/28/24 06:09	
Xylenes, Total	ND		0.097	mg/Kg		06/21/24 13:46	06/28/24 06:09	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
	%Recovery		Limits			Prepared	Analyzed	Dil Fa
Surrogate 4-Bromofluorobenzene (Surr)		Quanner	48 - 145			06/21/24 13:46	06/28/24 06:09	
Method: SW846 8015M/D - Di	iesel Range	Organics (_		A	Dil Fa
Analyte		Qualifier	RL	Unit	D		Analyzed	Dirra
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		06/25/24 09:30	06/26/24 03:33	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 03:33	
Method: SW846 8015M/D - Di	iesel Range	Organics ((DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	107		62 - 134			06/25/24 09:30	06/26/24 03:33	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

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Client Sample Results

lient Sample ID: CS8-3ft ate Collected: 06/19/24 12:20 ate Received: 06/21/24 09:00					L	ab Sample.	ID: 885-66 Matrix	
Method: SW846 8015M/D - Ga		je Organic Quallfier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg	_	06/21/24 13:46	06/28/24 06:31	
Method: SW846 8015M/D - Ga	soline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	97		35 - 166			06/21/24 13:46	06/28/24 06:31	2
Method: SW846 8021B - Volat	tile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.025	mg/Kg		06/21/24 13:46	06/28/24 06:31	5
Ethylbenzene	ND		0.050	mg/Kg		06/21/24 13:46	06/28/24 06:31	
Toluene	ND		0.050	mg/Kg		06/21/24 13:46	06/28/24 06:31	
Xylenes, Total	ND		0.10	mg/Kg		06/21/24 13:46	06/28/24 06:31	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		48 - 145			06/21/24 13:46	06/28/24 06:31	
Method: SW846 8015M/D - Di	esel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		06/25/24 09:30	06/26/24 03:46	
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		06/25/24 09:30	06/26/24 03:46	
Method: SW846 8015M/D - Di	esel Range	Organics ((DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	109		62 - 134			06/25/24 09:30	06/26/24 03:46	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
the second second second second				Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL	Unit	U	Frepareu	Analyzeu	Dilla

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Client Sample Results

Client Sample ID: CS8-4f ate Collected: 06/19/24 13:00 ate Received: 06/21/24 09:00)				L	.ab Sample	D: 885-66 Matrix	
Method: SW846 8015M/D - G Analyte		je Organic Qualifier	rs (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		06/21/24 13:46	06/28/24 06:53	
Method: SW846 8015M/D - G	asoline Rang	ge Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		35 - 166			06/21/24 13:46	06/28/24 06:53	ĝ
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.025	mg/Kg		06/21/24 13:46	06/28/24 06:53	
Ethylbenzene	ND		0.050	mg/Kg		06/21/24 13:46	06/28/24 06:53	
Foluene	ND		0.050	mg/Kg		06/21/24 13:46	06/28/24 06:53	
Kylenes, Total	ND		0.10	mg/Kg		06/21/24 13:46	06/28/24 06:53	
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		48 - 145			06/21/24 13:46	06/28/24 06:53	
Method: SW846 8015M/D - D	iesel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		06/25/24 09:30	06/26/24 03:58	
Aotor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 03:58	
Method: SW846 8015M/D - D	iesel Range	Organics (DRO) (GC)					
	0/Decement	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Surrogate	%Recovery							
	76 Recovery 112		62 - 134			06/25/24 09:30	06/26/24 03:58	
Di-n-octyl phthalate (Surr)	112	tography	62 - 134			06/25/24 09:30	06/26/24 03:58	
Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Analyte	112 Ion Chroma	tography Qualifier	62 - 134 RL	Unit	D	06/25/24 09:30 Prepared	06/26/24 03:58 Analyzed	Dil Fa

Project/Site: Ross Ranch 10 Fed 1

Client: Safety & Environmental Solutions

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Client Sample Results

lient Sample ID: CS9-Su ate Collected: 06/19/24 11:28	Irface				L	.ab Sample	D: 885-66 Matrix	
ate Received: 06/21/24 09:00		0						
Method: SW846 8015M/D - Ga Analyte		Qualifler	RL	Unit	D	Prepared	Analyzed	Dil Fa
Basoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		06/24/24 14:13	-	
Method: SW846 8015M/D - Ga	asoline Rang	je Organic	:s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
-Bromofluorobenzene (Surr)	91		35 - 166			06/24/24 14:13	06/29/24 03:05	
lethod: SW846 8021B - Vola	tilo Organic	Compound	de (GC)					
nalyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
enzene	ND		0.025	mg/Kg			06/29/24 03:05	
thylbenzene	ND		0.050	mg/Kg		06/24/24 14:13	06/29/24 03:05	
bluene	ND		0.050	mg/Kg		06/24/24 14:13	06/29/24 03:05	
ylenes, Total	ND		0.099	mg/Kg		06/24/24 14:13	06/29/24 03:05	
lethod: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)					
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
Bromofluorobenzene (Surr)	85		48 - 145			06/24/24 14:13	06/29/24 03:05	
lethod: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
nalyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
esel Range Organics [C10-C28]	ND	·	9.6	mg/Kg		06/25/24 09:30	06/26/24 04:11	
otor Oil Range Organics [C28-C40]	ND		48	mg/Kg		06/25/24 09:30	06/26/24 04:11	
lethod: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
urrogate	%Recovery	Qualifier	Límits			Prepared	Analyzed	Dil F
i-n-octyl phthalate (Surr)	110		62 - 134			06/25/24 09:30	06/26/24 04:11	
								ţ.
lethod: FPA 300 0 - Anions	Ion Chrome	tography						
Method: EPA 300.0 - Anions, Analyte		tography Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fa

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Client Sample Results

lient Sample ID: CS9-1fi ate Collected: 06/19/24 11:35	1				L	ab Sample.	D: 885-66 Matrix	
ate Received: 06/21/24 09:00 Method: SW846 8015M/D - G		le Organic [.]	s (GRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		06/24/24 14:13	06/29/24 03:29	
Method: SW846 8015M/D - G	asoline Ranç	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
I-Bromofluorobenzene (Surr)	91		35 - 166			06/24/24 14:13	06/29/24 03:29	
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
lenzene	ND		0.025	mg/Kg		06/24/24 14:13	06/29/24 03:29	2
thylbenzene	ND		0.049	mg/Kg		06/24/24 14:13	06/29/24 03:29	
oluene	ND		0.049	mg/Kg		06/24/24 14:13	06/29/24 03:29	
Sylenes, Total	ND		0.098	mg/Kg		06/24/24 14:13	06/29/24 03:29	
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
l-Bromofluorobenzene (Surr)	84		48 - 145			06/24/24 14:13	06/29/24 03:29	
Method: SW846 8015M/D - D	iesel Range	Organics (DRO) (GC)					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
	Result	Quanner						
nalyte	Result ND	Quaimer	9.6	mg/Kg		06/25/24 09:30	06/26/24 04:23	
Analyte Diesel Range Organics [C10-C28]		Qualiner					06/26/24 04:23 06/26/24 04:23	
nalyte Diesel Range Organics [C10-C28] Iotor Oil Range Organics [C28-C40]	ND ND		9.6 48	mg/Kg				
Analyte Diesel Range Organics [C10-C28] Aotor Oil Range Organics [C28-C40] Method: SW846 8015M/D - D	ND ND iesel Range	Organics (9.6 48	mg/Kg	,			Dil Fa
analyte Diesel Range Organics [C10-C28] Notor Oil Range Organics [C28-C40] Nethod: SW846 8015M/D - D Surrogate	ND ND	Organics (Qualifier	9.6 48 DRO) (GC)	mg/Kg		06/25/24 09:30	06/26/24 04:23 Analyzed	Dil F
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Method: SW846 8015M/D - D Surrogate Di-n-octyl phthalate (Surr)	ND ND iesel Range %Recovery 115	Organics (Qualifier	9.6 48 DRO) (GC) <i>Limits</i>	mg/Kg		06/25/24 09:30 Prepared	06/26/24 04:23 Analyzed	Dil F
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Method: SW846 8015M/D - D Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Analyte	ND ND iesel Range %Recovery 115 Ion Chroma	Organics (Qualifier	9.6 48 DRO) (GC) <i>Limits</i>	mg/Kg	D	06/25/24 09:30 Prepared	06/26/24 04:23 Analyzed	Dii Fa

Project/Site: Ross Ranch 10 Fed 1

Client: Safety & Environmental Solutions

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Client Sample Results

Job ID: 885-6687-1

Client Sample ID: CS10-S ate Collected: 06/19/24 13:20 ate Received: 06/21/24 09:00					L	.ab Sample	D: 885-66 Matrix	
Method: SW846 8015M/D - Ga	asoline Rang	je Organic Qualifier	s (GRO) (GC) _{RL}	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		06/24/24 14:13	06/29/24 03:52	3
Method: SW846 8015M/D - Ga	asoline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		35 - 166			06/24/24 14:13	06/29/24 03:52	
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.024	mg/Kg		06/24/24 14:13	06/29/24 03:52	í. S
Ethylbenzene	ND		0.048	mg/Kg		06/24/24 14:13	06/29/24 03:52	
Toluene	ND		0.048	mg/Kg		06/24/24 14:13	06/29/24 03:52	
Kylenes, Total	ND		0.097	mg/Kg		06/24/24 14:13	06/29/24 03:52	
Method: SW846 8021B - Vola	tile Organic	Compound	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	86		48 - 145			06/24/24 14:13	06/29/24 03:52	
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		06/25/24 09:30	06/26/24 04:36	
Notor Oil Range Organics [C28-C40]	ND		47	mg/Kg		06/25/24 09:30	06/26/24 04:36	
Method: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	121		62 - 134			06/25/24 09:30	06/26/24 04:36	
Method: EPA 300.0 - Anions,	Ion Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	ND		60	mg/Kg		06/25/24 11:07	06/25/24 21:27	2

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Client Sample Results

roject/Site: Ross Ranch 10 Fed	1							
lient Sample ID: CS10-1f	t				L	ab Sample	ID: 885-66	87-15
ate Collected: 06/19/24 13:45							Matrix	: Solid
ate Received: 06/21/24 09:00								
Method: SW846 8015M/D - Gas					_			011 5-
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		06/24/24 14:13	06/29/24 04:16	
Method: SW846 8015M/D - Ga	soline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		35 - 166			06/24/24 14:13	06/29/24 04:16	1
Method: SW846 8021B - Volati				11-14	D	Prepared	Analyzed	Dil Fa
Analyte		Qualifier	RL 0.024	Unit mg/Kg	D	06/24/24 14:13	06/29/24 04:16	Dirra
Benzene	ND		0.024	mg/Kg		06/24/24 14:13	••••	1
Ethylbenzene	ND		0.049	mg/Kg		06/24/24 14:13		3
Toluene	ND		0.049	mg/Kg		06/24/24 14:13		1
Xylenes, Total	ND			mg/rtg		00/24/24 14.10	00/20/24 04.10	
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	82		48 - 145			06/24/24 14:13	06/29/24 04:16	
Method: SW846 8015M/D - Die					-			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		06/25/24 09:30	06/26/24 04:49	
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		06/25/24 09:30	06/26/24 04:49	
Method: SW846 8015M/D - Die	esel Range	Organics (DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	102		62 - 134			06/25/24 09:30	06/26/24 04:49	
Method: EPA 300.0 - Anions, I	on Chroma	tography						
Method. LIA 000.0 - Amono, i								
Analyte		Qualifier	RL 60	Unit mg/Kg	D	Prepared 06/26/24 07:03	Analyzed 06/26/24 08:48	Dil Fa

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Client Sample Results

light Sofaty & Environmental Sc	alutione		oumpio nee				Job ID: 885-	6687-
lient: Safety & Environmental So roject/Site: Ross Ranch 10 Fed							000 10. 000	0007
lient Sample ID: CS11-Su ate Collected: 06/19/24 14:00	urface				L	ab Sample	ID: 885-66 Matrix	
ate Received: 06/21/24 09:00								
Method: SW846 8015M/D - Gas Analyte		e Organic Qualifier	s (GRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		06/24/24 14:13	06/29/24 04:39	
Method: SW846 8015M/D - Ga	soline Rang	je Organic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		35 - 166			06/24/24 14:13	06/29/24 04:39	
Method: SW846 8021B - Volati	ile Organic (Compound	is (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.024	mg/Kg		06/24/24 14:13	06/29/24 04:39	
Ethylbenzene	ND		0.049	mg/Kg		06/24/24 14:13	06/29/24 04:39	
Toluene	ND		0.049	mg/Kg		06/24/24 14:13	06/29/24 04:39	
Xylenes, Total	ND		0.097	mg/Kg		06/24/24 14:13	06/29/24 04:39	
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	85		48 - 145			06/24/24 14:13	06/29/24 04:39	
Method: SW846 8015M/D - Die	esel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg	-	06/25/24 09:30	06/26/24 05:01	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		06/25/24 09:30	06/26/24 05:01	
Method: SW846 8015M/D - Die	esel Range	Organics (DRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	101		62-134			06/25/24 09:30	06/26/24 05:01	
Method: EPA 300.0 - Anions, I	lon Chroma	tography						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	ND		60	mg/Kg		06/26/24 07:03	06/26/24 09:01	2

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Client Sample Results

lient Sample ID: CS11-11 ate Collected: 06/19/24 14:30	it				L	ab Sample.	D: 885-66 Matrix	
ate Received: 06/21/24 09:00 Aethod: SW846 8015M/D - Ga	soline Rang	le Organic	s (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Sasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		06/24/24 14:13	06/29/24 05:03	
Method: SW846 8015M/D - Ga	soline Rang	<mark>je Organ</mark> ic	s (GRO) (GC)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
-Bromofluorobenzene (Surr)	91		35 - 166			06/24/24 14:13	06/29/24 05:03	
lethod: SW846 8021B - Volat	lle Organic	Comnoun	ds (GC)					
nalyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
enzene	ND		0.025	mg/Kg		06/24/24 14:13	06/29/24 05:03	
thylbenzene	NĎ		0.050	mg/Kg		06/24/24 14:13	06/29/24 05:03	
bluene	ND		0.050	mg/Kg		06/24/24 14:13	06/29/24 05:03	
ylenes, Total	NĎ		0.10	mg/Kg		06/24/24 14:13	06/29/24 05:03	
lethod: SW846 8021B - Volat	tile Organic	Compoun	ds (GC)					
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
Bromofluorobenzene (Surr)	83		48 - 145			06/24/24 14:13	06/29/24 05:03	
lethod: SW846 8015M/D - Di	esel Range	Organics (DRO) (GC)					
nalyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
iesel Range Organics [C10-C28]	11		9.5	mg/Kg		06/25/24 09:30	06/26/24 05:14	
otor Oil Range Organics [C28-C40]	ND		48	mg/Kg		06/25/24 09:30	06/26/24 05:14	
lethod: SW846 8015M/D - Di	esel Range	Organics ((DRO) (GC)					
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	DII F
i-n-octyl phthalate (Surr)	103		62 - 134			06/25/24 09:30	06/26/24 05:14	
Method: EPA 300.0 - Anions.	Ion Chroma	tography						
Method: EPA 300.0 - Anions, Analyte		tography Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F

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QC Sample Results

Job ID: 885-6687-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-7190	D/1-A							Clie		le ID: Metho	
Matrix: Solid										Prep Type: T	
Analysis Batch: 7670										Prep Batc	h: 7190
			MB				_	_			
Analyte	Re	-	Qualifier	RL		Unit	D		epared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]		ND		5.0		mg/Kg	1	06/21	1/24 13:46	06/27/24 21:47	2
		MB	MB								
Surrogate	%Reco	very	Qualifier	Limits					repared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		87		35 - 166				06/21	1/24 13:46	06/27/24 21:47	24
Lab Sample ID: LCS 885-719	οn/2-Δ						Client	t San	nole ID:	Lab Control	Sample
Matrix: Solid									÷	Prep Type: T	
Analysis Batch: 7670										Prep Batc	h: 7190
,,				Spike	LCS	LCS				%Rec	
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics [C6 - C10]				25.0	24,2		mg/Kg		97	70 - 130	
	LCS	LCS	6								
Surrogate	%Recovery	Qua	alifier	Limits							
4-Bromofluorobenzene (Surr)	202	S1+		35 - 166							
Lab Sample ID: MB 885-727	2/1-A							Clie	nt Sam	ole ID: Metho	d Blanl
Matrix: Solid										Prep Type: T	
Analysis Batch: 7614										Prep Batc	h: 7272
		MB	MB								
Analyte	Re	esult	Qualifier	RL		Unit	D		repared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]		ND		5.0		mg/K	g	06/24	4/24 14:13	06/28/24 17:18	
		MB	MВ								
Surrogate	%Reco	very	Qualifier	Limits					repared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		98	-12	35 - 166				06/2	4/24 14:13	06/28/24 17:18	
Lab Sample ID: LCS 885-72	72/2-4						Clien	t Sar	nple ID:	Lab Control	Sample
Matrix: Solid										Prep Type: 1	
Analysis Batch: 7614										Prep Bato	
				Spike	LCS	LCS				%Rec	
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics [C6 - C10]				25.0	27.2		mg/Kg		109	70 - 130	
	LCS	LC	s								
Surrogate	%Recovery	Qu	alifier	Limits							

Lab Sample ID: MB 885-7190/1-A Matrix: Solid

Analysis Batch: 7672							Prep Batch	n: 7190
-	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		06/21/24 13:46	06/27/24 21:47	1
Ethylbenzene	ND		0.050	mg/Kg		06/21/24 13:46	06/27/24 21:47	1
Toluene	ND		0.050	mg/Kg		06/21/24 13:46	06/27/24 21:47	1
Xylenes, Total	ND		0.10	mg/Kg		06/21/24 13:46	06/27/24 21:47	1

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Prep Type: Total/NA

Client Sample ID: Method Blank

Method: 8021B - Volatile Orga

r reject enter r tobe r tanon re i	- our i									
Method: 8021B - Volati	le Organic	: Comp	ounds (GC) (Conti	nued)					3
Lab Sample ID: MB 885-71 Matrix: Solid Analysis Batch: 7672	90/1 -A						Clie	ent Samı	ole ID: Method Blank Prep Type: Total/NA Prep Batch: 7190	4
		MB MB								5
Surrogate	%Reco	very Qual	ifier Limits				P	repared	Analyzed Dil Fac	
4-Bromofluorobenzene (Surr)		89	48 - 145						06/27/24 21:47 1	6
Lab Sample ID: LCS 885-7 Matrix: Solid	190/3-A					Clie	nt Sar	nple ID:	Lab Control Sample Prep Type: Total/NA	
Analysis Batch: 7672									Prep Batch: 7190	
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			1.00	0.870		mg/Kg		87	70 - 130	
Ethylbenzene			1.00	0.887		mg/Kg		89	70 - 130	
Toluene			1.00	0.876		mg/Kg		88	70 - 130	
Xylenes, Total			3.00	2.65		mg/Kg		88	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	91		48 - 145							
Lab Sample ID: MB 885-72 Matrix: Solid Analysis Batch: 7615	272/1-A						Clie	ent Samp	ole ID: Method Blank Prep Type: Total/NA Prep Batch: 7272	

Prepared

Analyzed

Prep Type: Total/NA

06/24/24 14:13 06/28/24 17:18

Client Sample ID: Lab Control Sample

Dil Fac

1

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		06/24/24 14:13	06/28/24 17:18	1
Ethylbenzene	ND		0.050	mg/Kg		06/24/24 14:13	06/28/24 17:18	1
Toluene	ND		0.050	mg/Kg		06/24/24 14:13	06/28/24 17:18	1
Xylenes, Total	ND		0.10	mg/Kg		06/24/24 14:13	06/28/24 17:18	1
	MB	MB						

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		48 - 145

Lab Sample ID: LCS 885-7272/3-A **Matrix: Solid** Analysis Batch: 7615

Analysis Batch: 7615									Prep Batch: 72	
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	Ð	%Rec	Limits	
Benzene			1.00	0.909		mg/Kg		91	70 - 130	
Ethylbenzene			1.00	0.870		mg/Kg		87	70 - 130	
Toluene			1.00	0.866		mg/Kg		87	70 - 130	
Xylenes, Total			3.00	2.66		mg/Kg		89	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							

4-Bromofluorobenzene (Surr) 92 48 - 145 Job ID: 885-6687-

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Released to Imaging: 7/19/2024 2:31:23 PM

QC Sample Results

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1 Job ID: 885-6687-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-7300/	1-A						Clie	nt Samp	ole ID: Meth	
Matrix: Solid									Prep Type:	
Analysis Batch: 7313									Prep Bat	cn: 73
		MB				-	_			DU
Analyte		Qualifier	RL		Unit	D		epared	Analyzed	Dil
Diesel Range Organics [C10-C28]	ND		10		mg/Kg				06/26/24 01:2	
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		06/25	6/24 09:30	06/26/24 01:2	6
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Pr	epared	Analyzed	Dil
Di-n-octyl phthalate (Surr)	96		62 - 134				06/25	5/24 09:30	06/26/24 01:2	6
Lab Sample ID: LCS 885-7300)/2-A					Clien	nt San	nple ID:	Lab Contro	I Sam
Matrix: Solid									Prep Type:	Total/
Analysis Batch: 7313									Prep Bat	ch: 73
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]			50.0	46.1		mg/Kg		92	60 - 135	
	LCS LC	s								
Surrogate %	Recovery Qu	alifier	Limits							
Di-n-octyl phthalate (Surr)	106		62 - 134							
Matrix: Solid Analysis Batch: 7377									Prep Type: Prep Ba	
-	MB	MB								
Analyte	Result	Qualifier	RL		Unit	D		epared	Analyzed	Dil
Chloride	ND		1.5		mg/Kg	3	06/2	5/24 11:07	06/25/24 15:0)4
Lab Sample ID: LCS 885-7324	4/2-A					Clier	nt San	nple ID:	Lab Contro	
Matrix: Solid									Prep Type:	
Analysis Batch: 7377									Prep Ba	tch: 73
			Spike		LCS		_		%Rec	
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	
Chloride			15.0	14.1		mg/Kg		94	90 - 110	
Lab Sample ID: MB 885-7371	/ 1-A						Clie	nt Sam	ple ID: Meth	
Matrix: Solid									Prep Type:	
Analysis Batch: 7506									Prep Ba	tch: 73
	MB	MB								
	Desul	t Qualifier	RL		Unit	C) Pi	repared	Analyzed	Dil
Analyte	Result	acuanner								
Analyte Chloride	ND		3.0		mg/K	J	06/2	6/24 07:03	06/26/24 08:0)6

Analysis Batch: 7506							Prep Ba	atch: 7371
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	30.0	28.5		mg/Kg		95	90 - 110	

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QC Sample Results

Job ID: 885-6687-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-7377/98 Matrix: Solid									Cile	nt Sam	ple ID: Metho Prep Type: "	
											TTOP TYPE:	
Analysis Batch: 7377	MB	мв										
Analyte		Qualifier		RL		Unit		D	Pr	epared	Analyzed	Dli Fac
Chloride	ND		-	0.50		mg/K	3	>			06/26/24 00:45	i 1
												Comple
ab Sample ID: MRL 885-7377/97							CI	ient	san		Lab Control	
latrix: Solid											Prep Type:	
Analysis Batch: 7377			0.1		MRL	MIDI					%Rec	
			Spike Added			MRL Qualifier	Unit		D	%Rec	Limits	
nalyte			0.500		0.523	Quaimer	mg/L		<u> </u>	105	50 - 150	
chloride			0.500		0.525		my/L			100	00-100	
_ab Sample ID: MB 885-7506/77								(Clie	nt Sam	ple ID: Metho	d Blank
Matrix: Solid											Prep Type:	
Analysis Batch: 7506												
Analysis Daton. 1000	MB	MB										
Inalyte	Result	Qualifier		RL		Unit		D	Pr	repared	Analyzed	Dil Fac
Chloride	ND			0.50		mg/K	g	7			06/26/24 17:18	3 1
_ab Sample ID: MRL 885-7506/76							CI	ient	San	nple ID:	: Lab Control	
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 7506												
-			Spike			MRL					%Rec	
Analyte			Added			Qualifler	Unit		D	%Rec	Limits	
Chloride			0.500		0.528		mg/L			106	50 - 150	

QC Association Summary

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

GC VOA

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Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
85-6687-1	CS5-Surface	Total/NA	Solid	5030C	
85-6687-2	CS5-1ft	Total/NA	Solid	5030C	
385-6687-3	CS6-Surface	Total/NA	Solid	5030C	
385-6687-4	CS6-1ft	Total/NA	Solid	5030C	
385-6687-5	CS7-Surface	Total/NA	Solid	5030C	
385-6687 - 6	CS7-1ft	Total/NA	Solid	5030C	
385-6687-7	CS8-Surface	Total/NA	Solid	5030C	
885-6687-8	CS8-1ft	Total/NA	Solid	5030C	
885-6687 - 9	CS8-2ft	Total/NA	Solid	5030C	
385-6687-10	CS8-3ft	Total/NA	Solid	5030C	
885-6687-11	CS8-4ft	Total/NA	Solid	5030C	
MB 885-7190/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-7190/2-A	Lab Control Sample	Total/NA	Solid	5030C	
_CS 885-7190/3-A	Lab Control Sample	Total/NA	Solid	5030C	
rep Batch: 7272					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
885-6687-12	CS9-Surface	Total/NA	Solid	5030C	
885-6687-13	CS9-1ft	Total/NA	Solid	5030C	
885-6687-14	CS10-Surface	Total/NA	Solid	5030C	
885-6687-15	CS10-1ft	Total/NA	Solid	5030C	
885-6687-16	CS11-Surface	Total/NA	Solid	5030C	
885-6687 - 17	CS11-1ft	Total/NA	Solid	5030C	
MB 885-7272/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-7272/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-7272/3-A	Lab Control Sample	Total/NA	Solid	5030C	
nalysis Batch: 76	14				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
885-6687-12	CS9-Surface	Total/NA	Solid	8015M/D	727
885-6687-13	CS9-1ft	Total/NA	Solid	8015M/D	727
885-6687-14	CS10-Surface	Total/NA	Solid	8015M/D	727
885-6687-15	CS10-1ft	Total/NA	Solid	8015M/D	727
885-6687-16	CS11-Surface	Total/NA	Solid	8015M/D	727
885-6687-17	CS11-1ft	Total/NA	Solid	8015M/D	727
MB 885-7272/1-A	Method Blank	Total/NA	Solid	8015M/D	727
LCS 885-7272/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	727
nalysis Batch: 76	15				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bato
885-6687-12	CS9-Surface	Total/NA	Solid	8021B	727
885-6687-13	CS9-1ft	Total/NA	Solid	8021B	727
885-6687-14	CS10-Surface	Total/NA	Solid	8021B	72
885-6687-15	CS10-1ft	Total/NA	Solid	8021B	72
885-6687-16	CS11-Surface	Total/NA	Solid	8021B	72
885-6687-17	CS11-1ft	Total/NA	Solid	8021B	72
MB 885-7272/1-A	Method Blank	Total/NA	Solid	8021B	72
		Total/NA	Solid	8021B	727

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Job ID: 885-6687-1

GC VOA

Analysis Batch: 7670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6687-1	CS5-Surface	Total/NA	Solid	8015M/D	7190
885-6687-2	CS5-1ft	Total/NA	Solid	8015M/D	7190
885-6687-3	CS6-Surface	Total/NA	Solid	8015M/D	7190
885-6687-4	CS6-1ft	Total/NA	Solid	8015M/D	7190
885-6687-5	CS7-Surface	Total/NA	Solid	8015M/D	7190
885-6687-6	CS7-1ft	Total/NA	Solid	8015M/D	7190
885-6687-7	CS8-Surface	Total/NA	Solid	8015M/D	7190
885-6687-8	CS8-1ft	Total/NA	Solid	8015M/D	7190
885-6687-9	CS8-2ft	Total/NA	Solid	8015M/D	7190
885-6687-10	CS8-3ft	Total/NA	Solid	8015M/D	7190
885-6687-11	CS8-4ft	Total/NA	Solid	8015M/D	7190
MB 885-7190/1-A	Method Blank	Total/NA	Solid	8015M/D	7190
LC\$ 885-7190/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	7190

Analysis Batch: 7672

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-6687-1	CS5-Surface	Total/NA	Solid	8021B	7190
885-6687-2	CS5-1ft	Total/NA	Solid	8021B	7190
885-6687-3	CS6-Surface	Total/NA	Solid	8021B	7190
885-6687-4	CS6-1ft	Total/NA	Solid	8021B	7190
885-6687-5	CS7-Surface	Total/NA	Solid	8021B	7190
885-6687-6	CS7-1ft	Total/NA	Solid	8021B	7190
885-6687-7	CS8-Surface	Total/NA	Solid	8021B	7190
885-6687-8	CS8-1ft	Total/NA	Solid	8021B	7190
885-6687-9	CS8-2ft	Total/NA	Solid	8021B	7190
885-6687-10	CS8-3ft	Total/NA	Solid	8021B	7190
885-6687-11	CS8-4ft	Total/NA	Solid	8021B	7190
MB 885-7190/1-A	Method Blank	Total/NA	Solid	8021B	719
LCS 885-7190/3-A	Lab Control Sample	Total/NA	Solid	8021B	719

GC Semi VOA

Prep Batch: 7300

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-6687-1	CS5-Surface	Total/NA	Solid	SHAKE	
885-6687-2	CS5-1ft	Total/NA	Solid	SHAKE	
385-6687-3	CS6-Surface	Total/NA	Solid	SHAKE	
385-6687-4	CS6-1ft	Total/NA	Solid	SHAKE	
385-6687-5	CS7-Surface	Total/NA	Solid	SHAKE	
885-6687-6	CS7-1ft	Total/NA	Solid	SHAKE	
385-6687-7	CS8-Surface	Total/NA	Solid	SHAKE	
385-6687-8	CS8-1ft	Total/NA	Solid	SHAKE	
385-6687-9	CS8-2ft	Total/NA	Solid	SHAKE	
385-6687-10	CS8-3ft	Total/NA	Solid	SHAKE	
385-6687-11	CS8-4ft	Total/NA	Solid	SHAKE	
385-6687-12	CS9-Surface	Total/NA	Solid	SHAKE	
385-6687-13	CS9-1ft	Total/NA	Solid	SHAKE	
385-6687-14	CS10-Surface	Total/NA	Solid	SHAKE	
385-6687-15	CS10-1ft	Total/NA	Solid	SHAKE	
385-6687-16	CS11-Surface	Total/NA	Solid	SHAKE	
385-6687-17	CS11-1ft	Total/NA	Solid	SHAKE	

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GC Semi VOA (Continued)

Prep Batch: 7300 (Continued)

Lab Sample ID MB 885-7300/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
LCS 885-7300/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 7313

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-6687-1	CS5-Surface	Total/NA	Solid	8015M/D	7300
885-6687-2	CS5-1ft	Total/NA	Solid	8015M/D	7300
885-6687-3	CS6-Surface	Total/NA	Solid	8015M/D	7300
885-6687-4	CS6-1ft	Total/NA	Solid	8015M/D	7300
885-6687-5	CS7-Surface	Total/NA	Solid	8015M/D	7300
885-6687-6	CS7-1ft	Total/NA	Solid	8015M/D	7300
885-6687-7	CS8-Surface	Total/NA	Solid	8015M/D	7300
885-6687-8	CS8-1ft	Total/NA	Solid	8015M/D	7300
885-6687-9	CS8-2ft	Total/NA	Solid	8015M/D	7300
885-6687-10	CS8-3ft	Total/NA	Solid	8015M/D	7300
885-6687-11	CS8-4ft	Total/NA	Solid	8015M/D	7300
885-6687-12	CS9-Surface	Total/NA	Solid	8015M/D	7300
885-6687-13	CS9-1ft	Total/NA	Solid	8015M/D	7300
885-6687-14	CS10-Surface	Total/NA	Solid	8015M/D	7300
885-6687-15	CS10-1ft	Total/NA	Solid	8015M/D	7300
885-6687-16	CS11-Surface	Total/NA	Solid	8015M/D	7300
885-6687-17	CS11-1ft	Total/NA	Solid	8015M/D	7300
MB 885-7300/1-A	Method Blank	Total/NA	Solid	8015M/D	7300
LCS 885-7300/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	7300

HPLC/IC

885-6687-17

Prep Batch: 7324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-6687-1	CS5-Surface	Total/NA	Solid	300_Prep	
885-6687-2	CS5-1ft	Total/NA	Solid	300_Prep	
885-6687-3	CS6-Surface	Total/NA	Solid	300_Prep	
885-6687-4	CS6-1ft	Total/NA	Solid	300_Prep	
885-6687-5	CS7-Surface	Total/NA	Solid	300_Prep	
885-6687-6	CS7-1ft	Total/NA	Solid	300_Prep	
885-6687-7	CS8-Surface	Total/NA	Solid	300_Prep	
885-6687-8	CS8-1ft	Total/NA	Solid	300_Prep	
885-6687-9	CS8-2ft	Total/NA	Solid	300_Prep	
885-6687-10	CS8-3ft	Total/NA	Solid	300_Prep	
885-6687-11	CS8-4ft	Total/NA	Solid	300_Prep	
885-6687-12	CS9-Surface	Total/NA	Solid	300_Prep	
885-6687-13	CS9-1ft	Total/NA	Solid	300_Prep	
885-6687-14	CS10-Surface	Total/NA	Solid	300_Prep	
MB 885-7324/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-7324/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
rep Batch: 7371					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bate
885-6687-15	CS10-1ft	Total/NA	Solid	300_Prep	
885-6687-16	CS11-Surface	Total/NA	Solid	300_Prep	

300_Prep

Job ID: 885-6687-1

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CS11-1ft

Total/NA

Solid

HPLC/IC (Continued)

Prep Batch: 7371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-7371/1-A	Method Blank	Total/NA	Solid	300 Prep	
LCS 885-7371/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

QC Association Summary

Analysis Batch: 7377

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-6687-1	CS5-Surface	Total/NA	Solid	300.0	7324
885-6687-2	CS5-1ft	Total/NA	Solid	300.0	7324
885-6687-3	CS6-Surface	Total/NA	Solid	300.0	7324
885-6687-4	CS6-1ft	Total/NA	Solid	300.0	7324
885-6687-5	CS7-Surface	Total/NA	Solid	300.0	7324
885-6687-6	CS7-1ft	Total/NA	Solid	300.0	7324
885-6687-8	CS8-1ft	Total/NA	Solid	300.0	7324
885-6687-9	CS8-2ft	Total/NA	Solid	300.0	7324
885-6687-10	CS8-3ft	Total/NA	Solid	300.0	7324
885-6687-12	CS9-Surface	Total/NA	Solid	300.0	7324
885-6687-13	CS9-1ft	Total/NA	Solid	300.0	7324
885-6687-14	CS10-Surface	Total/NA	Solid	300.0	7324
MB 885-7324/1-A	Method Blank	Total/NA	Solid	300.0	7324
MB 885-7377/98	Method Blank	Total/NA	Solid	300.0	
LCS 885-7324/2-A	Lab Control Sample	Total/NA	Solid	300.0	7324
MRL 885-7377/97	Lab Control Sample	Total/NA	Solid	300.0	

Analysis Batch: 7506

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-6687-7	CS8-Surface	Total/NA	Solid	300.0	7324
885-6687-11	CS8-4ft	Total/NA	Solid	300.0	7324
885-6687-15	CS10-1ft	Total/NA	Solid	300.0	7371
885-6687-16	CS11-Surface	Total/NA	Solid	300.0	7371
885-6687-17	CS11-1ft	Total/NA	Solid	300.0	7371
MB 885-7371/1-A	Method Blank	Totai/NA	Solid	300.0	7371
MB 885-7506/77	Method Blank	Total/NA	Solid	300.0	
LCS 885-7371/2-A	Lab Control Sample	Total/NA	Solid	300.0	7371
MRL 885-7506/76	Lab Control Sample	Total/NA	Solid	300.0	

Job ID: 885-6687-1

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Lab Chronicle

Job ID: 885-6687-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-6687-1

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Client Sample ID: CS5-Surface Date Collected: 06/19/24 09:30 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 02:53
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 02:53
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 01:52
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 17:57

Client Sample ID: CS5-1ft Date Collected: 06/19/24 09:45

Date Received: 06/21/24 09:00

D 7	Batch	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Prep Type	Туре	5030C	Kun	ractor	7190	JR	EET ALB	06/21/24 13:46
Total/NA	Prep			4	7670		EETALB	06/28/24 03:37
Total/NA	Analysis	8015M/D		с4 <u>ў</u>				
Total/NA	Prep	5030C			7190	JR	EETALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 03:37
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 02:05
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 18:10

Client Sample ID: CS6-Surface

Date Collected: 06/19/24 10:37 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 03:58
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 03:58
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 02:18
Total/NA	Prep	300 Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 18:47

Client Sample ID: CS6-1ft Date Collected: 06/19/24 11:06 Date Received: 06/21/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 04:20

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Matrix: Solid

8

Lab Sample ID: 885-6687-2

Lab Sample ID: 885-6687-3

Lab Sample ID: 885-6687-4

Matrix: Solid

Lab Chronicle

Job ID: 885-6687-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-6687-4

Lab Sample ID: 885-6687-5

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Client Sample ID: CS6-1ft Date Collected: 06/19/24 11:06 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 04:20
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 02:30
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 18:59

Client Sample ID: CS7-Surface Date Collected: 06/19/24 10:59 Date Received: 06/21/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 04:42
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 04:42
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 02:43
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 19:11

Client Sample ID: CS7-1ft Date Collected: 06/19/24 11:15 Date Received: 06/21/24 09:00

Lab Sample ID: 885-6687-6 Matrix: Solid

Lab Sample ID: 885-6687-7

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 05:04
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 05:04
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 02:56
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 19:24

Client Sample ID: CS8-Surface Date Collected: 06/19/24 11:25 Date Received: 06/21/24 09:00

Ргер Туре	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 05:26
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 05:26

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Released to Imaging: 7/19/2024 2:31:23 PM

Matrix: Solid

Lab Chronicle

Job ID: 885-6687-1

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Client Sample ID: CS8-Surface Date Collected: 06/19/24 11:25 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		. •	7313	DH	EET ALB	06/26/24 03:08
Total/NA	Prep	300 Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		50	7506	SS	EET ALB	06/26/24 16:01

Client Sample ID: CS8-1ft Date Collected: 06/19/24 11:33 Date Received: 06/21/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 05:47
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 05:47
Total/NA	Prep	SHAKÉ			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 03:21
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 19:48

Client Sample ID: CS8-2ft

Date Collected: 06/19/24 11:55 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 06:09
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 06:09
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 03:33
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 20:01

Client Sample ID: CS8-3ft Date Collected: 06/19/24 12:20 Date Received: 06/21/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analvst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			7190		EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 06:31
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 06:31
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 03:46

Eurofins Albuquerque

Lab Sample ID: 885-6687-7 Matrix: Solid

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Lab Sample ID: 885-6687-9

Lab Sample ID: 885-6687-10

Matrix: Solid

Matrix: Solid

Matrix: Solid
Lab Chronicle

Job ID: 885-6687-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-6687-10

Lab Sample ID: 885-6687-11

Lab Sample ID: 885-6687-12

Lab Sample ID: 885-6687-13

Client Sample ID: CS8-3ft Date Collected: 06/19/24 12:20

Project/Site: Ross Ranch 10 Fed 1

Client: Safety & Environmental Solutions

Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 20:13

Client Sample ID: CS8-4ft Date Collected: 06/19/24 13:00 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8015M/D		1	7670	RA	EET ALB	06/28/24 06:53
Total/NA	Prep	5030C			7190	JR	EET ALB	06/21/24 13:46
Total/NA	Analysis	8021B		1	7672	RA	EET ALB	06/28/24 06:53
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 03:58
Total/NA	Prep	300_Prep			7324	КВ	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		50	7506	SS	EET ALB	06/26/24 16:13

Client Sample ID: CS9-Surface Date Collected: 06/19/24 11:28 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8015M/D		1	7614	JP	EET ALB	06/29/24 03:05
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8021B		1	7615	JP	EET ALB	06/29/24 03:05
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 04:11
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 20:38

Client Sample ID: CS9-1ft Date Collected: 06/19/24 11:35 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8015M/D		1	7614	JP	EET ALB	06/29/24 03:29
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8021B		1	7615	JP	EET ALB	06/29/24 03:29
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 04:23
Total/NA	Prep	300_Prep			7324	KB	EET ALB	06/25/24 11:07
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 21:15

Eurofins Albuquerque

Lab Chronicle

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Client Sample ID: CS10-Surface

Date Collected: 06/19/24 13:20 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13	
Total/NA	Analysis	8015M/D		1	7614	JP	EET ALB	06/29/24 03:52	
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13	
Total/NA	Analysis	8021B		1	7615	JP	EET ALB	06/29/24 03:52	
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30	
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 04:36	
Total/NA	Prep	300_Prep			7324	КВ	EET ALB	06/25/24 11:07	
Total/NA	Analysis	300.0		20	7377	JT	EET ALB	06/25/24 21:27	

Client Sample ID: CS10-1ft

Date Collected: 06/19/24 13:45 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8015M/D		1	7614	JP	EET ALB	06/29/24 04:16
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8021B		1	7615	JP	EET ALB	06/29/24 04:16
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 04:49
Total/NA	Prep	300_Prep			7371	JT	EET ALB	06/26/24 07:03
Total/NA	Analysis	300.0		20	7506	SS	EET ALB	06/26/24 08:48

Client Sample ID: CS11-Surface

Date Collected: 06/19/24 14:00 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8015M/D		1	7614	JP	EET ALB	06/29/24 04:39
Total/NA	Ргер	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8021B		1	7615	JP	EET ALB	06/29/24 04:39
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 05:01
Total/NA	Prep	300_Prep			7371	JT	EET ALB	06/26/24 07:03
Total/NA	Analysis	300.0		20	7506	SS	EET ALB	06/26/24 09:01

Client Sample ID: CS11-1ft Date Collected: 06/19/24 14:30 Date Received: 06/21/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			7272	AT	EET ALB	06/24/24 14:13
Tota!/NA	Analysis	8015M/D		1	7614	JP	EET ALB	06/29/24 05:03

Eurofins Albuquerque

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Job ID: 885-6687-1

Lab Sample ID: 885-6687-14 Matrix: Solid

Lab Sample ID: 885-6687-15

Lab Sample ID: 885-6687-16

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-6687-17

Lab Chronicle

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Client Sample ID: CS11-1ft Date Collected: 06/19/24 14:30 D **D**ophyside 06/24/24 00:00

Jate Receive	d: 06/21/24 0	9:00						
	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Ргер	5030C			7272	AT	EET ALB	06/24/24 14:13
Total/NA	Analysis	8021B		1	7615	JP	EET ALB	06/29/24 05:03
Total/NA	Prep	SHAKE			7300	KR	EET ALB	06/25/24 09:30
Total/NA	Analysis	8015M/D		1	7313	DH	EET ALB	06/26/24 05:14
Total/NA	Prep	300_Prep			7371	JT	EET ALB	06/26/24 07:03
Total/NA	Analysis	300.0		20	7506	SS	EET ALB	06/26/24 09:13

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Job ID: 885-6687-1

Lab Sample ID: 885-6687-17 Matrix: Solid

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Accreditation/Certification Summary

Client: Safety & Environmental Solutions Project/Site: Ross Ranch 10 Fed 1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
	s are included in this repo does not offer certificatior		not certified by the governing auth	ority. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organ	ics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics	s [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Orgar	nics [C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
Oregon	NELA	Р	NM100001	02-26-25

Job ID: 885-6687-1

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HALLENVIRONME ANALYSIS LABOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request	8260 (VOX) 8270 (Semi-VOA) Total Coliform (Present/Absent) לאליעיילע לי לאליעיילע לי	Ses 1
 HALL ENVIRON HALL ENVIRON ANALYSIS LABC ANALYSIS LABC ANALYSIS LABC ANALYSIS LABC ANALYSIS LABC ANALYSIS Request 	TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ S250 (YOA)	
	Mertine2 HEAL No. HEAL No. HEAL No. BTEX/ MTBE/ TMB's (8021)	
Turn-Around Time: Canch Project Name: Eass Parch Dev - 19-008	Project Manager: All Ch, Kob Sampler: Robcirto, Mc On Ice: Arres # of Coolers: 1 Cooler Temp(metuding cr): 7 Cooler Temp(metuding cr): 7 Cooler Temp(metuding cr): 7 Container Preservative Type and # Type	
Client: Cutorby FEMU in Commental Client: Conforby FEMU in Commental Soluctions Mailing Address: 705 71 Climbon Horse: 705 70 Climbon Horse: (575) 597-0510	email or Fax#: CMALINELOSSI-TM. Com QA/QC Package: Cullene Sesi-TM. Com A Standard Office Se	
Clients of of the of-	email or Fax#: A QA/QC Package: C Astandard Accreditation: Date DD (Type) Date Time W	ade 38 of 40 If necessary, s, une If neces

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HALL FNVTRONMFNTAL		Ā	(1u	PO4, S) ' ² ON	or 3, 1 (Pr	310 (10) (10) (10) (10) (10) (10) (10) (1	8 W 8 M 70/ 70/ 70/	EDB (<i>k</i> RCRA Cl, F, I 8260 (<i>j</i> 8270 (<i>j</i> 2010 2010 2010 2010 2010 2010 2010 201		X		×	×						ind lesutes to the SEST E will yet			Accredited laboratories This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report
	4901 H;	Tel. 50	(0						08:H9T 9 1808	X	X	X		$\overline{\mathbf{x}}$						Remarks: Scol			bility Any sub-
			()	S08) e'	amt	. /:	381	W.	X X T 8	X	X	Х	$\overline{\mathbf{x}}$	×							1	0	nis possib
	Ranch				MORISHEZ 12174	Erro skr	400	20-5-6-1= 20.4 (°C)	ve HEAL No.	13	Ы	15	Ice	Ę						Date Time (5/20 2:13 Pm	Ľ	70 unser 6/12/24 9:00	tories This serves as notice of th
id Time:	Rush Ross	- 19 - 008	ger:	c b		AT Yes	1	(Inducing CF):	Preservative Type	ICE	Ice	Ice	ICE	ICE						Via [.]	//via:	MO. Clack	accredited labora
Turn-Around	K Standard Project Name: しの ぞら人	Project #: DeV -	Project Manager:	Allen, Bob	Sampler: Roberto	On Ice:	# of Coolers:	Cooler Temp(Inducing CF).	Container Type and #		>	$\langle $	/	~			_			Received by	Received by	1	No.
Chain-of-Custody Record	NS 103 N Clinton	01288	email or Fax#: r Martinez @ SeSi-nm. com	QA/QC Package: Bo//en C) 7 551 - Nm. Com M Standard D Level 4 (Full Validation)	Az Compliance	Other			Matrix Sample Name	S C54-1ft	5 CSID-SURPRE		5 CS11-500900	5 cs11-1ft						Relinquished by Trich and routed	Relinquished by		If necessary, samples submitted to Hall Environmental may be subcontracted to othe
Chain	Client: Sore JV - Solu - Y: ON-S Mailing Address:	Hubb's NM Phone #: (275)	email or Fax#:	QA/QC Package: X Standard	Accreditation:		D EDD (Type)		Date Time	6-14-4 11:35	92:EI 5 5	547.El (5	00;h1 (14-30	~	\sim			-	Date Time	Date. Time.)/202	

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Job Number: 885-6687-1

Login Sample Receipt Checklist

Client: Safety & Environmental Solutions

Login Number: 6687 List Number: 1		List Source: Eurofins Albuquerque	
Creator: Casarrubias, Tracy			
Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	True		
Sample custody seals, if present, are intact.	True		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	False	Ice not present in cooler	-
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.	9
Cooler Temperature is recorded.	True		
COC is present.	True		127.20
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		

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 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAB1915042001
District RP	2RP-5457
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID ₆₁₃₇
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD) nAB1915042001
Contact mailing address 6488 Seven Rivers HWY	

Location of Release Source

Latitude 32.0593872

Longitude -103.7596054

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ross Ranch 10 Fed #001	Site Type Salt Water Disposal
Date Release Discovered 5/13/2019	API# (if applicable) 30-015-29605

Unit Letter	Section	Township	Range	County
Н	10	26S	31E	Eddy

Surface Owner: State Eddral Tribal Private (Name: Eddy

Nature and Volume of Release

Materia	l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 640	Volume Recovered (bbls) 640
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🔲 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	ning struck the water tank and separated a the lined containment. The containment i	

orm C-141	State of New Mexico	Incident ID	-
ge 2	Oil Conservation Division	District RP	nAB1915042001
gc 2	on conservation presion		
		Facility ID	
		Application ID	k
Was this a major	If YES, for what reason(s) does the responsible part	rty consider this a maior release	?
release as defined by	This is considered a major release bec		
19.15.29.7(A) NMAC?	This is considered a major release because it is over 25 DDLS.		
Yes No			
Yes No			
If YES, was immediate n	notice given to the OCD? By whom? To whom? Wh	-	
If YES, was immediate n Email notification se	ent to Debhorah Mckinne, Crystal Weav	er, Robert Hamlet, Victo	
If YES, was immediate n Email notification se	-	er, Robert Hamlet, Victo	
If YES, was immediate n Email notification se	ent to Debhorah Mckinne, Crystal Weav	er, Robert Hamlet, Victo	
If YES, was immediate n Email notification se	ent to Debhorah Mckinne, Crystal Weav	er, Robert Hamlet, Victo	
If YES, was immediate n Email notification se Bratcher and Jim G	ent to Debhorah Mckinne, Crystal Weav riswold from Amanda Davis on 5/14/19.	er, Robert Hamlet, Victo se	ria Venegas, Mike

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: Kendra DeHoyos	Title: EHS Associate
Signature: Kendra DeHoyos	Date: 5/22/2019
email: kendra.dehoyos@dvn.com	Telephone: 575-748-3371
OCD Only	
Received by:	Date:

Devon Energy Ross Ranch 10 Fed #001

Closure Report

Section 10, T26S, R31E Lea County, New Mexico

> 2RP-1136 2RP-4009 2RP-4434 2RP-5457 BLM Order

October 14, 2019



Prepared for: Devon Energy P.O. Box 250 Artesia, NM 88211

By:

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

I. Company Contacts

Representative	Company	Telephone	E-mail
Amanda Davis	Devon Energy	575-748-0176	Amanda.davis@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy to perform site remediation on the Ross Ranch 10 Fed #001, concerning a lightning strike that separated the bottom from a water tank. The tank was located inside the containment and all fluid emptied into the interior of said containment. All impacted areas at the site were remediated in accordance with NMOCD and BLM guidelines respectively to close all open remediation permits.

According to the C-141's beginning with the latest incident: Lightning struck the water tank on May 13, 2019. This caused the bottom of the tank to become severed. All fluids emptied into the containment. This would create a major reconstruction of this area of the facility, therefore SESI was consulted to remediate the site. The Remediation Permit number assigned to this incident is **2RP-5457**. Due to the size of spill area; the decision was made to remediate all impacted areas for this location simultaneously.

A BLM (Bureau of Land Management) Sundry Notices and Reports on Wells was issued to Devon Energy concerning a notification from Devon personnel to a BLM representative regarding a 1.037 BBLS release of oil that occurred on 4/6/2019. This incident occurred as a result of a heater treater popped off due to being swamped out and creating an overspray of the adjacent pasture area.

A C-141 notification was filed with the NMOCD regarding an incident that occurred on September 27, 2017. This incident occurred as a result of a .5 bbls (non-reportable minor incident) due to a stuck dump valve causing the test two phase separator to swamp out, releasing a mist from the vent tank line. Devon personnel took proactive measures, minimizing impact to the pasture area by switching from the test equipment to the production equipment to stop the release. This was assigned Remediation Permit number **2RP-4434**

A C-141 notification was filed with the NMOCD regarding an incident that occurred on November 19, 2016, whereby approximately 15 BBLS of produced water from a split fitting on the water line causing a release onto the pad and pasture area. Devon personnel dispatched a vacuum truck that was able to recover 12 BBLS of fluid, thereby minimizing the impact. The release was located on the South side of the tanks on pad and nearby pasture area. This spill impacted an approximate 3'x100' area that was remediated simultaneously with the latest incident. This incident was assigned remediation permit number **2RP-4009**.

A C-141 Initial notification was filed with NMOCD regarding an incident that occurred on April 25, 2012, whereby the dump hung "open" on the free water knockout at the Snapping 2 St. #7. This sent a large volume of fluid to the gun barrel at the Ross Ranch SWD creating an overflow of approximately 100 BBL of fluid. All fluid remained in the containment; Devon personnel dispatched a vacuum truck that recovered 100 BBL of fluid. The Remediation Permit Number assigned to this incident is **2RP-1136.** Mr. Bratcher with the NMOCD requested a final C-141. The final C-141 for this remediation permit will be included with this report (Appendix B).

Devon Energy September 23, 2019 Ross Ranch 10 Fed 1 SWD Eddy County, New Mexico

III. Surface and Ground Water

According to research of The New Mexico Office of the State Engineer there were no records for Township 26S, Range 31E, and Section 10, however the records indicate depth to groundwater to be an average of 317' bgs. for this area. The nearest POD for this site is C 02090 with a depth to water of 335' bgs. (Appendix D).

IV. Characterization

This has been remediated in accordance the NMOCD published guidelines (July 24, 2018). Furthermore, all pasture impact was remediated in accordance with Spill Rule 19.15.29 NMAC, and BLM guidelines. The site ranking and soil screening levels as presented in the table below:

Clo	Table 1 sure Criteria for Soils Im	nacted by a Release	
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l		Method*	Limit**
TDS			
<50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

The soil classification for this area is of the Simona-Pajarito association: Sandy, deep soils and soils that are shallow to caliche, from wind-worked deposits.

V. Work Performed

On June 07, 2019 SESI personnel, together with Mr. Norman Favor from Devon Energy, were on location to assess two spill events (2RP-4009 and 2RP-4434). Spill Event for **RP4434** is located on the East side of the location. Spill event **RP4009** was located on the South side of the location (south of tanks). The location was photographed, the spill areas mapped utilizing a Trimble handheld Juno 3B device for accuracy and depiction of impacted area (s). SESI personnel traversed the release areas in order to determine the locations for installation of auger holes for soil testing. Soil samples were grabbed from ground surface and at 1' increments to 2.5' Bgs., in order to field test for Total Petroleum Hydrocarbons (TPH), and Chloride (CI) constituencies. A total of twelve (12) auger holes were advanced, and the soil field tested for TPH & Chlorides. The field results are recapped as follows:

Devon Energy <u>September 23, 2019</u> Ross Ranch 10 Fed 1 SWD Eddy County, New Mexico

	Pad Area Field Res	_
SAMPLE ID	TPH	Chlorides
	Mg/kg	Mg/kg
AH-1 @ 1ft	15	1060
AH-2 @ 1ft	20	1060
AH-3 @ 1ft	49	284
AH-4 @ 1ft	19	312
AH-5 @ 1ft	154	224
AH-6 @ 1ft	140	252
AH-7 @ 1ft	167	7476
AH-8 @ 1ft	150	6928
AH-9 @ 1ft	62	1636
AH-10 @ 1ft	52	1524
AH-11 @ 1ft	58	1760
AH-12 @ 1 ft	70	1636

Spill Area Field Results 2RP-4009		
SAMPLE ID	Chlorides	
	Mg/kg	
AH-1 @ 1ft	2240	
AH-2 @ 1ft	2572	
AH-3 @ 1ft	3672	
AH-3 @ 2.5ft	148	
AH-4 @ 1ft	3380	
AH-4 @ 2.5ft	172	
AH-5 @ 1ft	3672	
AH-5 @ 2.5ft	148	
AH-9 @ 1ft	1636	

Spill Area Field Results 2RP-4434						
SAMPLE	TPH	Chlorides				
ID	Mg/kg	Mg/kg				
AH-1 @ 1ft	500	234				
AH-2 @ 1ft	432	312				
AH-3 @ 1ft	460	284				

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 from delineation of the pad area are tabulated in the table below:

Soil Sample Results: Hall Environmental Laboratories Pad Area 6/11/2019											
SAMPLE ID	Benzene	Toluene	Ethyl	Total	Total	TPH	TPH	TPH	Chlorides		
			benzene	Xylenes	BTEX	GRO	DRO	MRO			
AH-1 Surface	ND	ND	ND	ND	ND	ND	ND	ND	1200		
AH-1 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	710		
AH-2 Surface	ND	ND	ND	ND	ND	ND	120	100	1200		
AH-2 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	460		
AH-3 Surface	ND	ND	ND	ND	ND	ND	11	ND	170		
AH-3 @ 1ft	ND	ND	ND	ND	ND	ND	14	ND	160		
AH-4 Surface	ND	ND	ND	ND	ND	ND	ND	ND	4300		
AH-4 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	130		
AH-5 Surface	ND	ND	ND	ND	ND	ND	3100	2700	2200		
AH-5 @ 1ft	ND	ND	ND	ND	ND	ND	25	ND	110		
AH-6 Surface	ND	ND	ND	ND	ND	ND	2400	1500	2800		
AH-6 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	99		
AH-7 Surface	ND	ND	ND	ND	ND	ND	15	ND	1300		
AH-7 @ 1ft	ND	ND	ND	ND	ND	ND	80	72	5100		
AH-8 Surface	ND	ND	ND	ND	ND	ND	110	92	4700		
AH-8 @ 1ft	ND	ND	ND	ND	ND	ND	77	70	6100		
AH-9 Surface	ND	ND	ND	ND	ND	ND	160	170	2300		
AH-9 @ 1ft	ND	ND	ND	ND	ND	ND	22	ND	1000		
AH-10 Surface	ND	ND	ND	ND	ND	ND	940	750	700		
AH-10 @ 1ft	ND	ND	ND	ND	ND	ND	16	ND	1500		

3

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Ross Ranch 10 Fed 1 SWD Eddy County, New Mexico

AH-11 Surface	ND	ND	ND	ND	ND	ND	56	75	4700
AH-11 @ 1ft	ND	ND	ND	ND	ND	ND	28	ND	1500
AH-12 Surface	ND	2100							
AH-12 @ 1ft	ND	Nd	ND	ND	ND	ND	17	ND	1500

SESI field technician grabbed soil samples from the spill area on the south side of the tanks, as well as the adjacent pasture area. This area was assessed in connection with the remediation permit number **2RP-4009**. All soil samples were properly packaged, preserved, and transported to Hall Environmental Analysis Laboratory, Inc., via Chain of Custody for analyses of the following constituencies: 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 from delineation of the pad area are tabulated in the table below:

Soil Sample Res	sults: Hall E	Invironment	al Laborato	ries Result	ts 06-11	-19 (2RP-	-4009)		
SAMPLE ID	Benzene	Toluene	Ethyl	Total	Total	TPH	TPH	TPH	Chlorides
			benzene	Xylenes	BTEX	GRO	DRO	MRO	
AH-1 Surface	ND	ND	ND	ND	ND	ND	170	860	4800
AH-1 @ 1ft	ND	ND	ND	ND	ND	ND	19	100	2300
AH-2 Surface	ND	ND	ND	ND	ND	ND	3400	8000	550
AH-2 @ 1ft	ND	ND	ND	ND	ND	ND	18	97	2300
AH-3 Surface	ND	ND	ND	ND	ND	ND	43	160	8300
AH-3 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	4200
AH-3 @ 2.5ft	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH-4 @ Surface	ND	ND	ND	ND	ND	ND	620	1000	910
AH-4 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	3400
AH-4 @ 2.5ft	ND	ND	ND	ND	ND	ND	ND	ND	ND
AH-5 @ Surface	ND	ND	ND	ND	ND	ND	13	110	2100
AH-5 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND	3400
AH-5 @ 2.5ft	ND	ND	ND	ND	ND	ND	ND	ND	ND

The installation and advancement of auger holes as well as the subsequent analysis of soil extracted from them indicate that the vertical migration of the chlorides does not extend deeper than 2.5' bgs. for any incident.

Areas with chloride concentrations greater than 400 ppm were excavated to a depth of 2'. The soil was blended with soil from areas with less concentrations, and fresh topsoil to a level no greater than 400 ppm, and used for backfill. All impacted soil was transported offsite for disposal to an NMOCD approved facility. The site was returned to grade.

VI. Conclusion

Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements

As a result, we respectfully submit this closure report for your consideration and approval.

VII. Figures & Appendices

Figure 1 – Site Plan Appendix A – Site Photographs Appendix B – C-141 Appendix C – Lab Results



Legend

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- s Fence 8
- O Pasture Impact
- 🍰 Pipeline 7
- 🗧 Ross Ranch 10 Fed 1
- 🕹 Spill Area

100 ft

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orphan C=the file closed)	ned,	(qu						E 3=SW argest)	,	3 UTM in meter	rs)	(In feet)	
		POD Sub-		0	^	0								
POD Number	Code		County	Q 64	-	-	Sec	Twe	Rno	X	Y	DepthWellDep		Vater
<u>C 01777</u>	Cour	C	ED	04		*	08		31E	613245	3547409* 🌍	325	300	25
<u>C 02090</u>		С	ED		4	4	01	26S	31E	620329	3548533* 🌍	350	335	15
<u>C 02248</u>		CUB	ED	1	2	3	08	26S	31E	612942	3547316* 🌍	300	292	8
<u>C 02249</u>		CUB	ED	1	2	3	08	26S	31E	612942	3547316* 🌍	300	292	8
<u>C 03554 POD1</u>		CUB	ED	2	1	4	01	26S	31E	620547	3549148 🌍	630	300	330
<u>C 03639 POD1</u>		CUB	ED	3	4	2	01	26S	31E	620168	3549279 🌍	700	365	33
<u>C 04256 POD1</u>		С	ED	4	4	2	01	26S	31E	620384	3549257 🌍	666	340	326
											Average Depth	to Water:	317 fee	et
											Minim	um Depth:	292 fee	et
											Maximu	im Depth:	365 fee	et

*UTM location was derived from PLSS - see Help

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.

6/7/19 8:31 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Devon, Ross Ranch 10 Fed 1 SWD



Wells	- Large Scale	¥	CO2, Temporarily Abandoned	ŗ	Injection, Cancelled	•	Oil, Plugged	۵	Water, Active
?	undefined	☆	Gas, Active	ø	Injection, New	•	Oil, Temporarily Abandoned		Water, Cancelled
9	Miscellaneous	\$	Gas, Cancelled	ø	Injection, Plugged	۵	Salt Water Injection, Active	٠	Water, New
¥	CO2, Active	☆	Gas, New	,¢	Injection, Temporarily Abandoned		Salt Water Injection, Cancelled	٠	Water, Plugged
*	CO2, Cancelled	☆	Gas, Plugged	•	Oil, Active	۵	Salt Water Injection, New	٠	Water, Temporaril
∗	CO2, New	☆	Gas, Temporarily Abandoned	٠	Oil, Cancelled	۵	Salt Water Injection, Plugged	★	OCD District Office
¥	CO2, Plugged	,¢	Injection, Active	•	Oil, New	۵	Salt Water Injection, Temporarily Abandoned		

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- arily Abandoned
- fices

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD

DEVON ENERGY ROSS RANCH 10 FEDERAL #1



Severed Tank 05-13-19 2

2RP-5457



Day 3 Excavation S. Side of location



Day 3 SE Corner of Excavation on S side



Interior of Containment 05-13-19



Day 3 Excavation East side of location



Day 3 South side of Location Excavation

DEVON ENERGY ROSS RANCH 10 FEDERAL #1



Day 4 East Corner of Excavation S. Side-Location (2RP-5457 and 2RP-4009)



Over Spray from heater treaters-East Side BLM



Corner of excavation on East side of location



Day 4 Middle of excavation-South Side



NW Corner of excavation on East side of Location



Corner of East side at completion

DEVON ENERGY ROSS RANCH 10 FEDERAL #1

Completion



NE Corner at completion 2RP-5457



NW Corner of East side at completion



NW Corner on East Side



SE Corner of excavation on East side of Location 2RP-4009



SE Corner of pasture area on South Side of location

Oil Conservation Division

Incident ID	nAB1915042001
District RP	2RP-5437
Facility ID	
Application ID	

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Closure

<u>Closure Report Attachment Checklist</u> : Each of the following i	tems must be included in the closure report.				
A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC				
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)					
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)				
Description of remediation activities					
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.				
Printed Name: Dale Woodall	Title: Env. Professional				
Signature: Dale Woodall	Date: <u>12/14/2022</u>				
email: <u>dale.woodall@dvn.com</u>	Telephone:575-748-1838				
OCD Only					
Received by:	Date:				
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.				
Closure Approved by:	Date:				
Printed Name:	Title:				

Oil Conservation Division

	Page 132 of 189
Incident ID	nAB1728628311
District RP	2RP-4434
Facility ID	
Application ID	

Closure

<u>Closure Report Attachment Checklist</u> : Each of the following i	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Signature: Dale Woodall	Date: 12/14/2022
email:dale.woodall@dvn.com	Telephone:575-748-1838
	1
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	

Oil Conservation Division

Incident ID	nMBL1215052644
District RP	2RP-1136
Facility ID	
Application ID	

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Closure

<u>Closure Report Attachment Checklist</u> : Each of the following it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
email: <u>dale.woodall@dvn.com</u>	Telephone: 575-748-1838
OCD Only	
	Date:
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	
_	

Oil Conservation Division

Incident ID	nAB1633633401
District RP	2RP-4009
Facility ID	
Application ID	

Closure

<u>Closure Report Attachment Checklist</u> : Each of the following i	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the O Printed Name: Dale Woodall	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete Title: Env. Professional
Signature: Dale Woodall	Date: <u>12/14/2022</u>
email: <u>dale.woodall@dvn.com</u>	Telephone: 575-748-1838
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

•	Ċ,						
CLIENT: Safety & Environmental Solut	tions	C	ient Sa	ample II	D: AF	I-1 Surface	
Project: Devon Ross Ranch 10 Fed 1 2	2RP 4009		Collect	tion Dat	e: 6/7	/2019 2:15:00 PM	
Lab ID: 1906574-001	Matrix: SOIL		Received Date: 6/11/2019 9:05:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	4800	150		mg/Kg	50	6/18/2019 1:00:00 PM	45618
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst	BRM
Diesel Range Organics (DRO)	170	94		mg/Kg	10	6/13/2019 6:20:31 PM	45543
Motor Oil Range Organics (MRO)	860	470		mg/Kg	10	6/13/2019 6:20:31 PM	45543
Surr: DNOP	0	70-130	S	%Rec	10	6/13/2019 6:20:31 PM	45543
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2019 12:40:18 PM	45509
Surr: BFB	113	73.8-119		%Rec	1	6/13/2019 12:40:18 PM	45509
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	6/13/2019 12:40:18 PM	45509
Toluene	ND	0.049		mg/Kg	1	6/13/2019 12:40:18 PM	45509
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2019 12:40:18 PM	45509
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2019 12:40:18 PM	45509
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/13/2019 12:40:18 PM	45509

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- Page 1 of 0

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906574

Date Reported:

%Rec 1 6/13/2019 1:03:23 PM 45509

Hall Environmental Analysis Laboratory, Inc.

	Č,				Dute Reponden		
CLIENT: Safety & Environmental Solution			ient Sample II				
Project: Devon Ross Ranch 10 Fed 1 2F	RP 4009	Collection Date: 6/7/2019 2:25:00 PM					
Lab ID: 1906574-002	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: smb	
Chloride	2300	60	mg/Kg	20	6/17/2019 2:18:00 PM	45618	
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	19	9.6	mg/Kg	1	6/13/2019 6:42:55 PM	45543	
Motor Oil Range Organics (MRO)	100	48	mg/Kg	1	6/13/2019 6:42:55 PM	45543	
Surr: DNOP	118	70-130	%Rec	1	6/13/2019 6:42:55 PM	45543	
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/13/2019 1:03:23 PM	45509	
Surr: BFB	113	73.8-119	%Rec	1	6/13/2019 1:03:23 PM	45509	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.025	mg/Kg	1	6/13/2019 1:03:23 PM	45509	
Toluene	ND	0.050	mg/Kg	1	6/13/2019 1:03:23 PM	45509	
Ethylbenzene	ND	0.050	mg/Kg	1	6/13/2019 1:03:23 PM	45509	
Xylenes, Total	ND	0.099	mg/Kg	1	6/13/2019 1:03:23 PM	45509	

103

80-120

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

Qualifiers:

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

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

Page 2 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions				Client Sample ID: AH-2 Surface				
P 4009	4009 Collection Date: 6/7/2019 2:30:00 PM							
Matrix: SOIL		Recei	ved Dat	e: 6/1	1/2019 9:05:00 AM			
Result	RL	Qual	Units	DF	Date Analyzed	Batch		
					Analyst	: smb		
550	60		mg/Kg	20	6/17/2019 2:30:24 PM	45618		
ORGANICS					Analyst	BRM		
3400	95		mg/Kg	10	6/13/2019 7:05:11 PM	45543		
8000	480		mg/Kg	10	6/13/2019 7:05:11 PM	45543		
0	70-130	S	%Rec	10	6/13/2019 7:05:11 PM	45543		
E					Analyst	: NSB		
ND	4.8		mg/Kg	1	6/13/2019 1:26:29 PM	45509		
119	73.8-119		%Rec	1	6/13/2019 1:26:29 PM	45509		
					Analyst	: NSB		
ND	0.024		mg/Kg	1	6/13/2019 1:26:29 PM	45509		
ND	0.048		mg/Kg	1	6/13/2019 1:26:29 PM	45509		
ND	0.048		mg/Kg	1	6/13/2019 1:26:29 PM	45509		
ND	0.097		mg/Kg	1	6/13/2019 1:26:29 PM	45509		
117	80-120		%Rec	1	6/13/2019 1:26:29 PM	45509		
	P 4009 Matrix: SOIL Result 550 550 CRGANICS 3400 8000 0 E ND 119 ND ND ND ND ND ND ND ND	P 4009 Matrix: SOIL Result RL 550 60 550 60 CORGANICS 3400 95 8000 480 0 70-130 E ND 4.8 119 73.8-119 ND 0.024 ND 0.048 ND 0.048 ND 0.048 ND 0.048 ND 0.047	P 4009 Collect Matrix: SOIL Recei Result RL Qual 550 60 550 60 CORGANICS 3400 95 8000 480 0 70-130 S E ND 4.8 119 73.8-119 ND 0.024 ND 0.048 ND 0.048 ND 0.048 ND 0.048 ND 0.048 ND 0.048	P 4009 Matrix: SOIL Result Result S550 60 mg/Kg 550 60 mg/Kg 60 mg/Kg 8000 480 mg/Kg 8000 480 mg/Kg 0 70-130 S %Rec E ND 4.8 mg/Kg 119 73.8-119 %Rec ND 0.048 mg/Kg ND 0.048 mg/Kg ND 0.048 mg/Kg ND 0.048 mg/Kg	P 4009 Matrix: SOIL Result Result S550 Collection Date: 6/7 Received Date: 6/7 Received Date: 6/7 Received Date: 6/7 Date:	P 4009 Collection Date: 6/7/2019 2:30:00 PM Matrix: SOIL Received Date: 6/11/2019 9:05:00 AM Result RL Qual Units DF Date Analyzed S50 60 mg/Kg 20 6/17/2019 2:30:24 PM Analyst S50 60 mg/Kg 20 6/17/2019 2:30:24 PM S50 60 mg/Kg 10 6/13/2019 7:05:11 PM S000 480 mg/Kg 10 6/13/2019 7:05:11 PM 8000 480 mg/Kg 10 6/13/2019 7:05:11 PM 0 70-130 S %Rec 10 6/13/2019 7:05:11 PM 8000 480 mg/Kg 1 6/13/2019 7:05:11 PM 0 70-130 S %Rec 10 6/13/2019 1:26:29 PM 119 73.8-119 %Rec 1 6/13/2019 1:26:29 PM ND 0.024 mg/Kg 1 6/13/2019 1:26:29 PM ND 0.048 mg/Kg 1 6/13/2019 1:26:29 PM ND 0.048 mg/Kg 1 6/13/2019 1:26:29 PM ND 0.048		

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

Qualifiers:

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

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

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Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906574

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

					···· · · · · · · · · · · · · · · · · ·	
CLIENT: Safety & Environmental Solu	tions	Cl	ient Sample II	D: Ał	H-2 1ft	
Project: Devon Ross Ranch 10 Fed 1 2	2RP 4009	(Collection Dat	e: 6/7	7/2019 2:45:00 PM	
Lab ID: 1906574-004	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: smb
Chloride	2300	60	mg/Kg	20	6/17/2019 2:42:49 PM	45618
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	BRM
Diesel Range Organics (DRO)	18	9.9	mg/Kg	1	6/17/2019 8:00:06 PM	45543
Motor Oil Range Organics (MRO)	97	49	mg/Kg	1	6/17/2019 8:00:06 PM	45543
Surr: DNOP	125	70-130	%Rec	1	6/17/2019 8:00:06 PM	45543
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 2:12:55 PM	45509
Surr: BFB	115	73.8-119	%Rec	1	6/13/2019 2:12:55 PM	45509
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.025	mg/Kg	1	6/13/2019 2:12:55 PM	45509
Toluene	ND	0.049	mg/Kg	1	6/13/2019 2:12:55 PM	45509

ND

ND

109

0.049

0.098

80-120

mg/Kg

mg/Kg

%Rec

1

1

1

6/13/2019 2:12:55 PM

6/13/2019 2:12:55 PM

6/13/2019 2:12:55 PM

45509

45509

45509

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

Qualifiers:

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

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

Page 4 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	•	Ű,					1			
	CLIENT: Safety & Environmental Solutions Project: Devon Ross Ranch 10 Fed 1 2RP 4009				Client Sample ID: AH-3 Surface Collection Date: 6/7/2019 2:50:00 PM					
	1906574-005	Matrix: SOIL		Received Date: 6/11/2019 9:05:00 AM						
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METH	HOD 300.0: ANIONS						Analyst	MRA		
Chloride		8300	590		mg/Kg	200	6/18/2019 1:00:00 PM	45618		
EPA METH	HOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	BRM		
Diesel Ra	nge Organics (DRO)	43	9.8		mg/Kg	1	6/17/2019 8:22:13 PM	45543		
Motor Oil	Range Organics (MRO)	160	49		mg/Kg	1	6/17/2019 8:22:13 PM	45543		
Surr: D	NOP	132	70-130	S	%Rec	1	6/17/2019 8:22:13 PM	45543		
EPA METH	HOD 8015D: GASOLINE RANG	θE					Analyst	NSB		
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2019 2:53:00 PM	45509		
Surr: B	FB	114	73.8-119		%Rec	1	6/14/2019 2:53:00 PM	45509		
EPA METH	HOD 8021B: VOLATILES						Analyst	NSB		
Benzene		ND	0.024		mg/Kg	1	6/14/2019 2:53:00 PM	45509		
Toluene		ND	0.049		mg/Kg	1	6/14/2019 2:53:00 PM	45509		
Ethylbenz	ene	ND	0.049		mg/Kg	1	6/14/2019 2:53:00 PM	45509		
Xylenes, 7	Total	ND	0.098		mg/Kg	1	6/14/2019 2:53:00 PM	45509		
Surr: 4-	Bromofluorobenzene	113	80-120		%Rec	1	6/14/2019 2:53:00 PM	45509		

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

Qualifiers:

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

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

Page 5 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

·	Č,				1		
CLIENT: Safety & Environmental Solur Project: Devon Ross Ranch 10 Fed 1 2 Lab ID: 1906574-006		Client Sample ID: AH-3 1ft Collection Date: 6/7/2019 3:10:00 PM Received Date: 6/11/2019 9:05:00 AM					
Lab ID. 1900374-000	Matrix. SOIL		Neterveu Dat	c. 0/1	1/2019 9:05:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	4200	150	mg/Kg	50	6/18/2019 1:00:00 PM	45618	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/13/2019 8:12:19 PM	45543	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/13/2019 8:12:19 PM	45543	
Surr: DNOP	121	70-130	%Rec	1	6/13/2019 8:12:19 PM	45543	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/14/2019 4:04:58 PM	45509	
Surr: BFB	99.0	73.8-119	%Rec	1	6/14/2019 4:04:58 PM	45509	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.025	mg/Kg	1	6/14/2019 4:04:58 PM	45509	
Toluene	ND	0.049	mg/Kg	1	6/14/2019 4:04:58 PM	45509	
Ethylbenzene	ND	0.049	mg/Kg	1	6/14/2019 4:04:58 PM	45509	
Xylenes, Total	ND	0.099	mg/Kg	1	6/14/2019 4:04:58 PM	45509	
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	6/14/2019 4:04:58 PM	45509	

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

Qualifiers:

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

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

Page 6 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Safety & Environmental Solu	tions	Cl	ient Sample II	D: Al	H-3 2.5ft	
Project:	Devon Ross Ranch 10 Fed 12	2RP 4009	(Collection Dat	e: 6/7	7/2019 3:25:00 PM	
Lab ID:	1906574-007	Matrix: SOIL		Received Dat	e: 6 /1	11/2019 9:05:00 AM	
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: smb
Chloride		ND	60	mg/Kg	20	6/17/2019 3:44:52 PM	45618
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.3	mg/Kg	1	6/13/2019 8:57:01 PM	45543
Motor O	il Range Organics (MRO)	ND	46	mg/Kg	1	6/13/2019 8:57:01 PM	45543
Surr:	DNOP	117	70-130	%Rec	1	6/13/2019 8:57:01 PM	45543
EPA ME	THOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	6/14/2019 4:28:49 PM	45509
Surr:	BFB	96.7	73.8-119	%Rec	1	6/14/2019 4:28:49 PM	45509
EPA ME	THOD 8021B: VOLATILES					Analyst	: NSB

Surr: BFB	96.7	73.8-119	%Rec	1	6/14/2019 4:28:49 PM	45509
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	6/14/2019 4:28:49 PM	45509
Toluene	ND	0.048	mg/Kg	1	6/14/2019 4:28:49 PM	45509
Ethylbenzene	ND	0.048	mg/Kg	1	6/14/2019 4:28:49 PM	45509
Xylenes, Total	ND	0.097	mg/Kg	1	6/14/2019 4:28:49 PM	45509
Surr: 4-Bromofluorobenzene	98.6	80-120	%Rec	1	6/14/2019 4:28:49 PM	45509

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	Client Sample ID: AH-4 Surface						
Project: Devon Ross Ranch 10 Fed 1 2RP	4009 Collection Date: 6/7/2019 3:30:00 PM						
Lab ID: 1906574-008	Matrix: SOIL		Recei	ved Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	smb
Chloride	910	59		mg/Kg	20	6/17/2019 3:57:16 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM
Diesel Range Organics (DRO)	620	94		mg/Kg	10	6/13/2019 9:19:14 PM	45543
Motor Oil Range Organics (MRO)	1000	470		mg/Kg	10	6/13/2019 9:19:14 PM	45543
Surr: DNOP	0	70-130	S	%Rec	10	6/13/2019 9:19:14 PM	45543
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/14/2019 4:52:37 PM	45509
Surr: BFB	93.5	73.8-119		%Rec	1	6/14/2019 4:52:37 PM	45509
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.025		mg/Kg	1	6/14/2019 4:52:37 PM	45509
Toluene	ND	0.050		mg/Kg	1	6/14/2019 4:52:37 PM	45509
Ethylbenzene	ND	0.050		mg/Kg	1	6/14/2019 4:52:37 PM	45509
Xylenes, Total	ND	0.099		mg/Kg	1	6/14/2019 4:52:37 PM	45509
Surr: 4-Bromofluorobenzene	96.3	80-120		%Rec	1	6/14/2019 4:52:37 PM	45509

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

Qualifiers:

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

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

Page 8 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	IS	Client Sample ID: AH-4 1ft				
Project: Devon Ross Ranch 10 Fed 1 2RF	Collection Date: 6/7/2019 3:45:00 PM					
Lab ID: 1906574-009	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	3400	150	mg/Kg	50	6/18/2019 1:00:00 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/13/2019 9:41:38 PM	45543
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/13/2019 9:41:38 PM	45543
Surr: DNOP	107	70-130	%Rec	1	6/13/2019 9:41:38 PM	45543
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/14/2019 5:16:21 PM	45509
Surr: BFB	96.6	73.8-119	%Rec	1	6/14/2019 5:16:21 PM	45509
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	6/14/2019 5:16:21 PM	45509
Toluene	ND	0.049	mg/Kg	1	6/14/2019 5:16:21 PM	45509
Ethylbenzene	ND	0.049	mg/Kg	1	6/14/2019 5:16:21 PM	45509
Xylenes, Total	ND	0.098	mg/Kg	1	6/14/2019 5:16:21 PM	45509
Surr: 4-Bromofluorobenzene	98.8	80-120	%Rec	1	6/14/2019 5:16:21 PM	45509

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

Qualifiers:

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

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

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6/14/2019 5:40:06 PM

45509

45509

45509

45509

45509

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	-	-				-		
CLIENT: Safety & Environmental Solutions				Client Sample ID: AH-4 2.5ft				
Project: Devon Ross Ranch 10 Fed 1 2RP 4009			Collection Date: 6/7/2019 3:55:00 PM					
Lab ID:	1906574-010	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM					
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	smb	
Chloride		ND	60	mg/Kg	20	6/17/2019 7:03:23 PM	45633	
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst	BRM	
Diesel Range Organics (DRO)		ND	9.3	mg/Kg	1	6/13/2019 10:03:50 PM	45543	
Motor Oil Range Organics (MRO)		ND	46	mg/Kg	1	6/13/2019 10:03:50 PM	45543	
Surr: DNOP		100	70-130	%Rec	1	6/13/2019 10:03:50 PM	45543	
EPA METHOD 8015D: GASOLINE RANGE		E				Analyst	: NSB	
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	6/14/2019 5:40:06 PM	45509	
Surr:	BFB	94.5	73.8-119	%Rec	1	6/14/2019 5:40:06 PM	45509	
EPA METHOD 8021B: VOLATILES						Analyst	: NSB	

ND

ND

ND

ND

95.9

0.025

0.049

0.049

0.098

80-120

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

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

Page 10 of 0
Date Reported:

	, , , , , , , , , , , , , , , , , , , ,					Date Reported.	
CLIENT	: Safety & Environmental Solu	tions	Cl	ient Sa	ample II	D: AH	I-5 Surface	
Project:	Devon Ross Ranch 10 Fed 1	2RP 4009	(Collect	ion Dat	e: 6/7	/2019 4:00:00 PM	
Lab ID:	1906574-011	Matrix: SOIL	Matrix: SOIL Received Date: 6/11/2019 9:05:00 AM					
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst:	smb
Chloride)	2100	60		mg/Kg	20	6/17/2019 7:15:48 PM	45633
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst:	BRM
Diesel F	Range Organics (DRO)	13	10		mg/Kg	1	6/13/2019 10:26:13 PM	45543
Motor O	il Range Organics (MRO)	110	50		mg/Kg	1	6/13/2019 10:26:13 PM	45543
Surr:	DNOP	752	70-130	S	%Rec	1	6/13/2019 10:26:13 PM	45543
EPA ME	THOD 8015D: GASOLINE RAM	IGE					Analyst:	NSB
Gasolin	e Range Organics (GRO)	ND	5.0		mg/Kg	1	6/14/2019 6:03:46 PM	45509
Surr:	BFB	92.9	73.8-119		%Rec	1	6/14/2019 6:03:46 PM	45509
EPA ME	THOD 8021B: VOLATILES						Analyst:	NSB
Benzen	e	ND	0.025		mg/Kg	1	6/14/2019 6:03:46 PM	45509
Toluene	•	ND	0.050		mg/Kg	1	6/14/2019 6:03:46 PM	45509
Ethylber	nzene	ND	0.050		mg/Kg	1	6/14/2019 6:03:46 PM	45509
Xylenes	, Total	ND	0.10		mg/Kg	1	6/14/2019 6:03:46 PM	45509
Surr:	4-Bromofluorobenzene	95.2	80-120		%Rec	1	6/14/2019 6:03:46 PM	45509

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

						1			
CLIENT: Project:	CLIENT: Safety & Environmental Solutions Project: Devon Ross Ranch 10 Fed 1 2RP 4009			Client Sample ID: AH-5 1ft Collection Date: 6/7/2019 4:10:00 PM					
Lab ID:	1906574-012	Matrix: SOIL							
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analyst	MRA		
Chloride		3400	150	mg/Kg	50	6/18/2019 1:00:00 PM	45633		
EPA ME	THOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst	BRM		
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	6/13/2019 10:48:31 PM	45543		
Motor O	il Range Organics (MRO)	ND	48	mg/Kg	1	6/13/2019 10:48:31 PM	45543		
Surr:	DNOP	85.2	70-130	%Rec	1	6/13/2019 10:48:31 PM	45543		
EPA ME	THOD 8015D: GASOLINE RAN	GE				Analyst	NSB		
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	6/14/2019 6:27:23 PM	45509		
Surr:	BFB	103	73.8-119	%Rec	1	6/14/2019 6:27:23 PM	45509		
EPA ME	THOD 8021B: VOLATILES					Analyst	NSB		
Benzene	9	ND	0.025	mg/Kg	1	6/14/2019 6:27:23 PM	45509		
Toluene		ND	0.049	mg/Kg	1	6/14/2019 6:27:23 PM	45509		
Ethylber	izene	ND	0.049	mg/Kg	1	6/14/2019 6:27:23 PM	45509		
Xylenes,	Total	ND	0.099	mg/Kg	1	6/14/2019 6:27:23 PM	45509		
Surr:	4-Bromofluorobenzene	107	80-120	%Rec	1	6/14/2019 6:27:23 PM	45509		

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

Qualifiers:

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

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

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45528

45528

45528

45528

45528

45528

45528

Analyst: BRM

Analyst: NSB

Analyst: NSB

6/13/2019 11:10:49 PM 45543

6/13/2019 11:10:49 PM 45543

6/13/2019 11:10:49 PM 45543

6/13/2019 9:59:37 AM

Analytical Report Lab Order 1906574

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

CLIENT:	Safety & Environmental S	olutions	Client Sample ID: AH-5 2.5ft						
Project:	Devon Ross Ranch 10 Fee	1 1 2RP 4009	Coll	ection Dat	e: 6/7	/2019 4:25:00 PM			
Lab ID:	1906574-013	Matrix: SOIL	Re	ceived Dat	e: 6/1	1/2019 9:05:00 AM			
Analyses	5	Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analyst	: smb		
Chloride		ND	60	mg/Kg	20	6/17/2019 7:40:37 PM	45633		

ND

ND

118

ND

109

ND

ND

ND

ND

103

9.4

47

4.9

70-130

73.8-119

0.025

0.049

0.049

0.099

80-120

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solut	ions	Client Sample ID: AH-1 Surface								
Project: Devon Ross Ranch 10 Fed 1 2	2RP 4434	(Collection Date: 6/7/2019 4:30:00 PM							
Lab ID: 1906576-001	Matrix: SOIL		Rece	ived Dat	e: 6/1	1/2019 9:05:00 AM				
Analyses	Result	RL	Qua	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst:	smb			
Chloride	590	60		mg/Kg	20	6/17/2019 8:17:51 PM	45633			
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst:	BRM			
Diesel Range Organics (DRO)	28000	990		mg/Kg	100	6/17/2019 9:06:49 PM	45543			
Motor Oil Range Organics (MRO)	14000	5000		mg/Kg	100	6/17/2019 9:06:49 PM	45543			
Surr: DNOP	0	70-130	S	%Rec	100	6/17/2019 9:06:49 PM	45543			
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst:	NSB			
Gasoline Range Organics (GRO)	110	5.0		mg/Kg	1	6/13/2019 11:08:13 AM	45528			
Surr: BFB	938	73.8-119	S	%Rec	1	6/13/2019 11:08:13 AM	45528			
EPA METHOD 8021B: VOLATILES						Analyst:	NSB			
Benzene	ND	0.025		mg/Kg	1	6/13/2019 11:08:13 AM	45528			
Toluene	0.15	0.050		mg/Kg	1	6/13/2019 11:08:13 AM	45528			
Ethylbenzene	0.64	0.050		mg/Kg	1	6/13/2019 11:08:13 AM	45528			
Xylenes, Total	7.0	0.099		mg/Kg	1	6/13/2019 11:08:13 AM	45528			
Surr: 4-Bromofluorobenzene	161	80-120	S	%Rec	1	6/13/2019 11:08:13 AM	45528			

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

Qualifiers:

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

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

Page 1 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	.					Date Reported.	
CLIENT: Safety & Environmental Solut	ions	Cl	lient Sa	ample II	D: AF	I-1 1ft	
Project: Devon Ross Ranch 10 Fed 1 2	RP 4434	(Collect	tion Dat	e: 6/7	/2019 4:35:00 PM	
Lab ID: 1906576-002	Matrix: SOIL		Recei	ved Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	smb
Chloride	160	60		mg/Kg	20	6/17/2019 8:55:04 PM	45633
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS					Analyst	BRM
Diesel Range Organics (DRO)	350	9.4		mg/Kg	1	6/17/2019 9:29:07 PM	45543
Motor Oil Range Organics (MRO)	230	47		mg/Kg	1	6/17/2019 9:29:07 PM	45543
Surr: DNOP	167	70-130	S	%Rec	1	6/17/2019 9:29:07 PM	45543
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2019 2:36:12 PM	45528
Surr: BFB	119	73.8-119		%Rec	1	6/13/2019 2:36:12 PM	45528
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.025		mg/Kg	1	6/13/2019 2:36:12 PM	45528
Toluene	ND	0.049		mg/Kg	1	6/13/2019 2:36:12 PM	45528
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2019 2:36:12 PM	45528
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2019 2:36:12 PM	45528
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	6/13/2019 2:36:12 PM	45528

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

Qualifiers:

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

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

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Date Reported:

_						*			
CLIENT: Safety & Environmental Solut	tions	C	ient Sa	Sample ID: AH-2 Surface					
Project: Devon Ross Ranch 10 Fed 1 2	2RP 4434	Collection Date: 6/7/2019 4:40:00 PM							
Lab ID: 1906576-003	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	smb		
Chloride	1300	60		mg/Kg	20	6/17/2019 9:07:29 PM	45633		
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst	BRM		
Diesel Range Organics (DRO)	6200	93		mg/Kg	10	6/17/2019 10:13:26 PM	45543		
Motor Oil Range Organics (MRO)	3200	470		mg/Kg	10	6/17/2019 10:13:26 PM	45543		
Surr: DNOP	0	70-130	S	%Rec	10	6/17/2019 10:13:26 PM	45543		
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	NSB		
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2019 2:59:28 PM	45528		
Surr: BFB	131	73.8-119	S	%Rec	1	6/13/2019 2:59:28 PM	45528		
EPA METHOD 8021B: VOLATILES						Analyst	NSB		
Benzene	ND	0.025		mg/Kg	1	6/13/2019 2:59:28 PM	45528		
Toluene	ND	0.050		mg/Kg	1	6/13/2019 2:59:28 PM	45528		
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2019 2:59:28 PM	45528		
Xylenes, Total	ND	0.10		mg/Kg	1	6/13/2019 2:59:28 PM	45528		
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1	6/13/2019 2:59:28 PM	45528		

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Hall E	nvironmental Analysis	Laboratory,	Inc.				Date Reported:		
	Safety & Environmental Solution			Client Sample ID: AH-2 1ft					
Project:	Devon Ross Ranch 10 Fed 1 2R	P 4434		Collect	ion Dat	e: 6/7	2/2019 4:45:00 PM		
Lab ID:	1906576-004	Matrix: SOIL		Recei	ved Dat	e: 6/1	1/2019 9:05:00 AM		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS						Analyst	: smb	
Chloride		160	60		mg/Kg	20	6/17/2019 9:19:54 PM	45633	
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM	
Diesel R	ange Organics (DRO)	480	9.6		mg/Kg	1	6/17/2019 1:00:13 PM	45572	
Motor O	il Range Organics (MRO)	290	48		mg/Kg	1	6/17/2019 1:00:13 PM	45572	
Surr:	DNOP	198	70-130	S	%Rec	1	6/17/2019 1:00:13 PM	45572	
EPA ME	THOD 8015D: GASOLINE RANGI	E					Analyst	: NSB	
Gasoline	e Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2019 3:46:08 PM	45528	
Surr:	BFB	119	73.8-119		%Rec	1	6/13/2019 3:46:08 PM	45528	
EPA ME	THOD 8021B: VOLATILES						Analyst	: NSB	
Benzene	9	ND	0.024		mg/Kg	1	6/13/2019 3:46:08 PM	45528	
Toluene		ND	0.049		mg/Kg	1	6/13/2019 3:46:08 PM	45528	
Ethylber	izene	ND	0.049		mg/Kg	1	6/13/2019 3:46:08 PM	45528	
Xylenes,	Total	ND	0.097		mg/Kg	1	6/13/2019 3:46:08 PM	45528	
Surr:	4-Bromofluorobenzene	113	80-120		%Rec	1	6/13/2019 3:46:08 PM	45528	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

-									
CLIENT:	CLIENT: Safety & Environmental Solutions			Client Sample ID: AH-3 Surface					
Project:	Devon Ross Ranch 10 Fed 1 2RP	4434	(Collect	ion Dat	e: 6/7	/2019 4:50:00 PM		
Lab ID:	1906576-005	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM						
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS						Analyst	smb	
Chloride		250	60		mg/Kg	20	6/17/2019 9:32:18 PM	45633	
EPA ME	EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst	BRM	
Diesel R	ange Organics (DRO)	450	9.6		mg/Kg	1	6/17/2019 1:44:22 PM	45572	
Motor O	il Range Organics (MRO)	210	48		mg/Kg	1	6/17/2019 1:44:22 PM	45572	
Surr:	DNOP	138	70-130	S	%Rec	1	6/17/2019 1:44:22 PM	45572	
EPA ME	THOD 8015D: GASOLINE RANGE						Analyst	NSB	
Gasoline	e Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2019 4:09:25 PM	45528	
Surr:	BFB	114	73.8-119		%Rec	1	6/13/2019 4:09:25 PM	45528	
EPA ME	THOD 8021B: VOLATILES						Analyst	NSB	
Benzene	9	ND	0.025		mg/Kg	1	6/13/2019 4:09:25 PM	45528	
Toluene		ND	0.049		mg/Kg	1	6/13/2019 4:09:25 PM	45528	
Ethylber	nzene	ND	0.049		mg/Kg	1	6/13/2019 4:09:25 PM	45528	
Xylenes	, Total	ND	0.099		mg/Kg	1	6/13/2019 4:09:25 PM	45528	
Surr:	4-Bromofluorobenzene	109	80-120		%Rec	1	6/13/2019 4:09:25 PM	45528	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

, , , , , , , , , , , , , , , , , , ,	,					Date Reported.		
CLIENT: Safety & Environmental Solu	tions	Cl	Client Sample ID: AH-3 1ft					
Project: Devon Ross Ranch 10 Fed 12	2RP 4434		Collec	tion Dat	e: 6/7	/2019 5:00:00 PM		
Lab ID: 1906576-006	Matrix: SOIL	trix: SOIL Received Date: 6/11/2019 9:05:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	smb	
Chloride	150	60		mg/Kg	20	6/17/2019 9:44:42 PM	45633	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst:	BRM	
Diesel Range Organics (DRO)	380	9.9		mg/Kg	1	6/17/2019 10:57:53 PM	45572	
Motor Oil Range Organics (MRO)	240	49		mg/Kg	1	6/17/2019 10:57:53 PM	45572	
Surr: DNOP	166	70-130	S	%Rec	1	6/17/2019 10:57:53 PM	45572	
EPA METHOD 8015D: GASOLINE RAM	IGE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2019 5:19:21 PM	45528	
Surr: BFB	117	73.8-119		%Rec	1	6/13/2019 5:19:21 PM	45528	
EPA METHOD 8021B: VOLATILES						Analyst:	NSB	
Benzene	ND	0.025		mg/Kg	1	6/14/2019 6:50:57 PM	45528	
Toluene	ND	0.050		mg/Kg	1	6/14/2019 6:50:57 PM	45528	
Ethylbenzene	ND	0.050		mg/Kg	1	6/14/2019 6:50:57 PM	45528	
Xylenes, Total	ND	0.10		mg/Kg	1	6/14/2019 6:50:57 PM	45528	
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	1	6/14/2019 6:50:57 PM	45528	

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

Qualifiers:

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

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

Page 6 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	-	0				1			
CLIENT: Project:	CLIENT: Safety & Environmental Solutions Project: Devon Ross Ranch 10 Fed 1 Tank Pad			Client Sample ID: AH-1 Surface Collection Date: 6/7/2019 10:15:00 AM					
Lab ID:	1906521-001	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA MET	THOD 300.0: ANIONS					Analyst	MRA		
Chloride		1200	60	mg/Kg	20	6/15/2019 7:21:39 PM	45600		
EPA METHOD 8015M/D: DIESEL RANGE O		E ORGANICS				Analyst	том		
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	6/12/2019 7:43:59 PM	45506		
	I Range Organics (MRO)	ND	50	mg/Kg	1	6/12/2019 7:43:59 PM	45506		
Surr: [DNOP	104	70-130	%Rec	1	6/12/2019 7:43:59 PM	45506		
EPA MET	THOD 8015D: GASOLINE RANG	θE				Analyst	NSB		
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	6/12/2019 5:03:28 PM	45503		
Surr: E	BFB	100	73.8-119	%Rec	1	6/12/2019 5:03:28 PM	45503		
EPA MET	THOD 8021B: VOLATILES					Analyst	NSB		
Benzene	9	ND	0.025	mg/Kg	1	6/12/2019 5:03:28 PM	45503		
Toluene		ND	0.050	mg/Kg	1	6/12/2019 5:03:28 PM	45503		
Ethylben	izene	ND	0.050	mg/Kg	1	6/12/2019 5:03:28 PM	45503		
Xylenes,	Total	ND	0.10	mg/Kg	1	6/12/2019 5:03:28 PM	45503		
Surr: 4	4-Bromofluorobenzene	103	80-120	%Rec	1	6/12/2019 5:03:28 PM	45503		

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution Project: Devon Ross Ranch 10 Fed 1 Tanl		Client Sample ID: AH-1 1ft Collection Date: 6/7/2019 10:20:00 AM					
Lab ID: 1906521-002	Matrix: SOIL						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	710	60	mg/Kg	20	6/15/2019 7:34:03 PM	45600	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: том	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/12/2019 8:58:23 PM	45506	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/12/2019 8:58:23 PM	45506	
Surr: DNOP	93.0	70-130	%Rec	1	6/12/2019 8:58:23 PM	45506	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/12/2019 6:15:34 PM	45503	
Surr: BFB	99.6	73.8-119	%Rec	1	6/12/2019 6:15:34 PM	45503	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	6/12/2019 6:15:34 PM	45503	
Toluene	ND	0.049	mg/Kg	1	6/12/2019 6:15:34 PM	45503	
Ethylbenzene	ND	0.049	mg/Kg	1	6/12/2019 6:15:34 PM	45503	
Xylenes, Total	ND	0.098	mg/Kg	1	6/12/2019 6:15:34 PM	45503	
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	6/12/2019 6:15:34 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	S	Client Sample ID: AH-2 Surface					
Project: Devon Ross Ranch 10 Fed 1 Tan	k Pad	(Collection Dat	e: 6/7	/2019 10:35:00 AM		
Lab ID: 1906521-003	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	1200	60	mg/Kg	20	6/15/2019 8:48:28 PM	45603	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: том	
Diesel Range Organics (DRO)	120	9.7	mg/Kg	1	6/12/2019 9:22:54 PM	45506	
Motor Oil Range Organics (MRO)	100	49	mg/Kg	1	6/12/2019 9:22:54 PM	45506	
Surr: DNOP	108	70-130	%Rec	1	6/12/2019 9:22:54 PM	45506	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/12/2019 7:27:23 PM	45503	
Surr: BFB	97.8	73.8-119	%Rec	1	6/12/2019 7:27:23 PM	45503	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	6/12/2019 7:27:23 PM	45503	
Toluene	ND	0.049	mg/Kg	1	6/12/2019 7:27:23 PM	45503	
Ethylbenzene	ND	0.049	mg/Kg	1	6/12/2019 7:27:23 PM	45503	
Xylenes, Total	ND	0.098	mg/Kg	1	6/12/2019 7:27:23 PM	45503	
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	6/12/2019 7:27:23 PM	45503	

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

ĩ					Bute Reported.		
CLIENT: Safety & Environmental Solut	ions	Cl	ient Sample II	D: Al	I-2 1ft		
Project: Devon Ross Ranch 10 Fed 1 7	Fank Pad	Collection Date: 6/7/2019 10:40:00 AM					
Lab ID: 1906521-004	Matrix: SOIL	Matrix: SOIL Received Date: 6/11/2019 9:05:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	MRA	
Chloride	460	60	mg/Kg	20	6/15/2019 9:00:52 PM	45603	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst:	том	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/12/2019 9:47:38 PM	45506	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/12/2019 9:47:38 PM	45506	
Surr: DNOP	89.9	70-130	%Rec	1	6/12/2019 9:47:38 PM	45506	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/12/2019 7:51:08 PM	45503	
Surr: BFB	101	73.8-119	%Rec	1	6/12/2019 7:51:08 PM	45503	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	6/12/2019 7:51:08 PM	45503	
Toluene	ND	0.048	mg/Kg	1	6/12/2019 7:51:08 PM	45503	
Ethylbenzene	ND	0.048	mg/Kg	1	6/12/2019 7:51:08 PM	45503	
Xylenes, Total	ND	0.097	mg/Kg	1	6/12/2019 7:51:08 PM	45503	
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/12/2019 7:51:08 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	•					Bute Reported.		
CLIENT: Safety & Environmental Solu	utions	Cl	lient Sa	ample II	D: AF	I-3 Surface		
Project: Devon Ross Ranch 10 Fed 1	Tank Pad	(Collect	tion Dat	e: 6/7	/2019 10:55:00 AM		
Lab ID: 1906521-005	Matrix: SOIL	Matrix: SOIL Received Date: 6/11/2019 9:05:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	MRA	
Chloride	170	60		mg/Kg	20	6/15/2019 9:13:16 PM	45603	
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS					Analyst:	том	
Diesel Range Organics (DRO)	11	10		mg/Kg	1	6/12/2019 10:12:21 PM	45506	
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/12/2019 10:12:21 PM	45506	
Surr: DNOP	134	70-130	S	%Rec	1	6/12/2019 10:12:21 PM	45506	
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/12/2019 8:14:49 PM	45503	
Surr: BFB	96.4	73.8-119		%Rec	1	6/12/2019 8:14:49 PM	45503	
EPA METHOD 8021B: VOLATILES						Analyst:	NSB	
Benzene	ND	0.025		mg/Kg	1	6/12/2019 8:14:49 PM	45503	
Toluene	ND	0.050		mg/Kg	1	6/12/2019 8:14:49 PM	45503	
Ethylbenzene	ND	0.050		mg/Kg	1	6/12/2019 8:14:49 PM	45503	
Xylenes, Total	ND	0.099		mg/Kg	1	6/12/2019 8:14:49 PM	45503	
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	6/12/2019 8:14:49 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

					1			
CLIENT: Safety & Environmental Solut Project: Devon Ross Ranch 10 Fed 1 1		Client Sample ID: AH-3 1ft Collection Date: 6/7/2019 11:10:00 AM						
Lab ID: 1906521-006	Matrix: SOIL	DIL Received Date: 6/11/2019 9:05:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	MRA		
Chloride	160	60	mg/Kg	20	6/15/2019 9:25:41 PM	45603		
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	том		
Diesel Range Organics (DRO)	14	9.8	mg/Kg	1	6/12/2019 10:37:12 PM	45506		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/12/2019 10:37:12 PM	45506		
Surr: DNOP	86.8	70-130	%Rec	1	6/12/2019 10:37:12 PM	45506		
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/12/2019 8:38:31 PM	45503		
Surr: BFB	97.4	73.8-119	%Rec	1	6/12/2019 8:38:31 PM	45503		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.024	mg/Kg	1	6/12/2019 8:38:31 PM	45503		
Toluene	ND	0.048	mg/Kg	1	6/12/2019 8:38:31 PM	45503		
Ethylbenzene	ND	0.048	mg/Kg	1	6/12/2019 8:38:31 PM	45503		
Xylenes, Total	ND	0.096	mg/Kg	1	6/12/2019 8:38:31 PM	45503		
Surr: 4-Bromofluorobenzene	99.1	80-120	%Rec	1	6/12/2019 8:38:31 PM	45503		

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	•				Bate Reported.		
CLIENT: Safety & Environmental Solut	tions	Cli	ient Sample II	D: AF	I-4 Surface		
Project: Devon Ross Ranch 10 Fed 1	Fank Pad	0	Collection Dat	e: 6/7	/2019 11:15:00 AM		
Lab ID: 1906521-007	Matrix: SOIL	SOIL Received Date: 6/11/2019 9:05:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	smb	
Chloride	4300	150	mg/Kg	50	6/17/2019 4:46:53 PM	45603	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: том	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	6/13/2019 9:29:08 AM	45506	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/13/2019 9:29:08 AM	45506	
Surr: DNOP	95.2	70-130	%Rec	1	6/13/2019 9:29:08 AM	45506	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/12/2019 9:02:09 PM	45503	
Surr: BFB	96.1	73.8-119	%Rec	1	6/12/2019 9:02:09 PM	45503	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	6/12/2019 9:02:09 PM	45503	
Toluene	ND	0.048	mg/Kg	1	6/12/2019 9:02:09 PM	45503	
Ethylbenzene	ND	0.048	mg/Kg	1	6/12/2019 9:02:09 PM	45503	
Xylenes, Total	ND	0.097	mg/Kg	1	6/12/2019 9:02:09 PM	45503	
Surr: 4-Bromofluorobenzene	98.2	80-120	%Rec	1	6/12/2019 9:02:09 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	ons	Client Sample ID: AH-4 1ft						
Project: Devon Ross Ranch 10 Fed 1 Ta	ank Pad	(Collection Dat	e: 6/7	7/2019 11:25:00 AM			
Lab ID: 1906521-008	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	130	60	mg/Kg	20	6/15/2019 9:50:30 PM	45603		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/13/2019 9:53:06 AM	45506		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/13/2019 9:53:06 AM	45506		
Surr: DNOP	81.0	70-130	%Rec	1	6/13/2019 9:53:06 AM	45506		
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/12/2019 9:25:46 PM	45503		
Surr: BFB	95.5	73.8-119	%Rec	1	6/12/2019 9:25:46 PM	45503		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.024	mg/Kg	1	6/12/2019 9:25:46 PM	45503		
Toluene	ND	0.048	mg/Kg	1	6/12/2019 9:25:46 PM	45503		
Ethylbenzene	ND	0.048	mg/Kg	1	6/12/2019 9:25:46 PM	45503		
Xylenes, Total	ND	0.097	mg/Kg	1	6/12/2019 9:25:46 PM	45503		
Surr: 4-Bromofluorobenzene	98.1	80-120	%Rec	1	6/12/2019 9:25:46 PM	45503		

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solut	ions	Client Sample ID: AH-5 Surface Collection Date: 6/7/2019 11:30:00 AM						
Project: Devon Ross Ranch 10 Fed 1 7	Tank Pad							
Lab ID: 1906521-009	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	MRA	
Chloride	2200	59		mg/Kg	20	6/15/2019 10:27:42 PM	45603	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst:	том	
Diesel Range Organics (DRO)	3100	100		mg/Kg	10	6/14/2019 9:54:13 AM	45506	
Motor Oil Range Organics (MRO)	2700	500		mg/Kg	10	6/14/2019 9:54:13 AM	45506	
Surr: DNOP	0	70-130	S	%Rec	10	6/14/2019 9:54:13 AM	45506	
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/12/2019 9:49:23 PM	45503	
Surr: BFB	113	73.8-119		%Rec	1	6/12/2019 9:49:23 PM	45503	
EPA METHOD 8021B: VOLATILES						Analyst:	NSB	
Benzene	ND	0.024		mg/Kg	1	6/12/2019 9:49:23 PM	45503	
Toluene	ND	0.048		mg/Kg	1	6/12/2019 9:49:23 PM	45503	
Ethylbenzene	ND	0.048		mg/Kg	1	6/12/2019 9:49:23 PM	45503	
Xylenes, Total	ND	0.096		mg/Kg	1	6/12/2019 9:49:23 PM	45503	
Surr: 4-Bromofluorobenzene	93.8	80-120		%Rec	1	6/12/2019 9:49:23 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

					*		
CLIENT: Safety & Environmental Solution	18	Client Sample ID: AH-5 1ft					
Project: Devon Ross Ranch 10 Fed 1 Tan	k Pad	(Collection Dat	e: 6/7	//2019 11:45:00 AM		
Lab ID: 1906521-010	Matrix: SOIL	Received Date: 6/11/2019 9:05:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	MRA	
Chloride	110	61	mg/Kg	20	6/15/2019 11:04:56 PM	45603	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	том	
Diesel Range Organics (DRO)	25	9.2	mg/Kg	1	6/14/2019 8:41:57 AM	45506	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/14/2019 8:41:57 AM	45506	
Surr: DNOP	77.2	70-130	%Rec	1	6/14/2019 8:41:57 AM	45506	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/12/2019 10:13:28 PM	45503	
Surr: BFB	95.7	73.8-119	%Rec	1	6/12/2019 10:13:28 PM	45503	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	6/12/2019 10:13:28 PM	45503	
Toluene	ND	0.049	mg/Kg	1	6/12/2019 10:13:28 PM	45503	
Ethylbenzene	ND	0.049	mg/Kg	1	6/12/2019 10:13:28 PM	45503	
Xylenes, Total	ND	0.097	mg/Kg	1	6/12/2019 10:13:28 PM	45503	
Surr: 4-Bromofluorobenzene	98.3	80-120	%Rec	1	6/12/2019 10:13:28 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	ns	Cl	ient Sa	ample II	D: AF	H-6 Surface	
Project: Devon Ross Ranch 10 Fed 1 Tan	nk Pad	(Collect	tion Dat	e: 6/7	7/2019 11:50:00 AM	
Lab ID: 1906521-011	Matrix: SOIL		Recei	ved Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	smb
Chloride	2800	150		mg/Kg	50	6/17/2019 4:59:18 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	том
Diesel Range Organics (DRO)	2400	95		mg/Kg	10	6/14/2019 11:07:25 AM	45506
Motor Oil Range Organics (MRO)	1500	480		mg/Kg	10	6/14/2019 11:07:25 AM	45506
Surr: DNOP	0	70-130	S	%Rec	10	6/14/2019 11:07:25 AM	45506
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Surr: BFB	108	73.8-119		%Rec	1	6/12/2019 11:02:17 PM	45503
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Toluene	ND	0.050		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Ethylbenzene	ND	0.050		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Xylenes, Total	ND	0.10		mg/Kg	1	6/12/2019 11:02:17 PM	45503
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	6/12/2019 11:02:17 PM	45503

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Hall En	vironmental Analysis	Laboratory,	Inc. Date Reported:						
CLIENT:	Safety & Environmental Solution	18	Client Sample ID: AH-6 1ft						
Project:	Devon Ross Ranch 10 Fed 1 Tar	ik Pad	(Collect	ion Dat	e: 6/7	/2019 12:10:00 PM		
Lab ID:	1906521-012	Matrix: SOIL Received Date: 6/11/2019 9:05:0							
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METH	HOD 300.0: ANIONS						Analyst:	MRA	
Chloride		99	61		mg/Kg	20	6/15/2019 11:29:44 PM	45603	
EPA METH	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	том	
Diesel Ra	nge Organics (DRO)	ND	9.6		mg/Kg	1	6/14/2019 9:05:55 AM	45506	
Motor Oil	Range Organics (MRO)	ND	48		mg/Kg	1	6/14/2019 9:05:55 AM	45506	
Surr: D	NOP	103	70-130		%Rec	1	6/14/2019 9:05:55 AM	45506	
EPA METH	HOD 8015D: GASOLINE RANGE	E					Analyst:	NSB	
Gasoline I	Range Organics (GRO)	ND	5.0		mg/Kg	1	6/12/2019 11:26:53 PM	45503	
Surr: B	FB	110	73.8-119		%Rec	1	6/12/2019 11:26:53 PM	45503	
EPA METH	HOD 8021B: VOLATILES						Analyst:	NSB	
Benzene		ND	0.025		mg/Kg	1	6/12/2019 11:26:53 PM	45503	
Toluene		ND	0.050		mg/Kg	1	6/12/2019 11:26:53 PM	45503	
Ethylbenz	ene	ND	0.050		mg/Kg	1	6/12/2019 11:26:53 PM	45503	
Xylenes, 7	Fotal	ND	0.099		mg/Kg	1	6/12/2019 11:26:53 PM	45503	
Surr: 4-	Bromofluorobenzene	111	80-120		%Rec	1	6/12/2019 11:26:53 PM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	Č.						1			
CLIENT: Project:	CLIENT: Safety & Environmental Solutions Project: Devon Ross Ranch 10 Fed 1 Tank Pad			Client Sample ID: AH-7 Surface Collection Date: 6/7/2019 12:15:00 PM						
Lab ID:	1906521-013	Matrix: SOIL	IL Received Date: 6/11/2019 9:05:00 AM							
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS						Analyst	MRA		
Chloride		1300	59		mg/Kg	20	6/15/2019 11:42:09 PM	45603		
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	том		
Diesel R	ange Organics (DRO)	15	9.6		mg/Kg	1	6/13/2019 12:41:40 PM	45506		
Motor O	il Range Organics (MRO)	ND	48		mg/Kg	1	6/13/2019 12:41:40 PM	45506		
Surr:	DNOP	96.1	70-130		%Rec	1	6/13/2019 12:41:40 PM	45506		
EPA ME	THOD 8015D: GASOLINE RANG	E					Analyst:	NSB		
Gasoline	e Range Organics (GRO)	ND	4.9		mg/Kg	1	6/12/2019 11:51:32 PM	45503		
Surr:	BFB	120	73.8-119	S	%Rec	1	6/12/2019 11:51:32 PM	45503		
EPA ME	THOD 8021B: VOLATILES						Analyst:	NSB		
Benzene	9	ND	0.025		mg/Kg	1	6/12/2019 11:51:32 PM	45503		
Toluene		ND	0.049		mg/Kg	1	6/12/2019 11:51:32 PM	45503		
Ethylber	nzene	ND	0.049		mg/Kg	1	6/12/2019 11:51:32 PM	45503		
Xylenes	, Total	ND	0.098		mg/Kg	1	6/12/2019 11:51:32 PM	45503		
Surr:	4-Bromofluorobenzene	122	80-120	S	%Rec	1	6/12/2019 11:51:32 PM	45503		

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutio	ons	Cl	ient Sample II	D: AF	I-7 1ft	
Project: Devon Ross Ranch 10 Fed 1 Ta	nk Pad	(Collection Dat	e: 6/7	/2019 12:25:00 PM	
Lab ID: 1906521-014	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	smb
Chloride	5100	300	mg/Kg	100) 6/17/2019 5:11:43 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том
Diesel Range Organics (DRO)	80	10	mg/Kg	1	6/13/2019 1:05:49 PM	45506
Motor Oil Range Organics (MRO)	72	50	mg/Kg	1	6/13/2019 1:05:49 PM	45506
Surr: DNOP	104	70-130	%Rec	1	6/13/2019 1:05:49 PM	45506
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Surr: BFB	107	73.8-119	%Rec	1	6/13/2019 12:16:05 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Toluene	ND	0.050	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Ethylbenzene	ND	0.050	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Xylenes, Total	ND	0.10	mg/Kg	1	6/13/2019 12:16:05 AM	45503
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	6/13/2019 12:16:05 AM	45503

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

Qualifiers:

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

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

RL Reporting Limit

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Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906521

6/13/2019 12:40:43 AM 45503

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	-					Date Reportedi	
CLIENT:	Safety & Environmental Solution	S	Cl	ient Sample II	D: AF	I-8 Surface	
Project:	Devon Ross Ranch 10 Fed 1 Tanl	k Pad	(Collection Dat	e: 6/7	/2019 12:30:00 PM	
Lab ID:	1906521-015	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: smb
Chloride		4700	150	mg/Kg	50	6/17/2019 5:48:57 PM	45603
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	TOM
Diesel Ra	ange Organics (DRO)	110	9.6	mg/Kg	1	6/13/2019 1:29:58 PM	45506
Motor Oi	I Range Organics (MRO)	92	48	mg/Kg	1	6/13/2019 1:29:58 PM	45506
Surr: [DNOP	105	70-130	%Rec	1	6/13/2019 1:29:58 PM	45506
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Surr: E	3FB	106	73.8-119	%Rec	1	6/13/2019 12:40:43 AM	45503
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.025	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Toluene		ND	0.049	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Ethylben	zene	ND	0.049	mg/Kg	1	6/13/2019 12:40:43 AM	45503
Xylenes,	Total	ND	0.099	mg/Kg	1	6/13/2019 12:40:43 AM	45503

105

80-120

%Rec

1

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Project: Devon Ross Ranch 10 Fed 1 Tank Pad			ient Sample II		I-8 1ft /2019 12:45:00 PM	
Project: Devon Ross Ranch 10 Fed 1 Tanl Lab ID: 1906521-016	Matrix: SOIL	•			1/2019 12:45:00 PM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	smb
Chloride	6100	300	mg/Kg	100) 6/17/2019 6:01:21 PM	45603
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том
Diesel Range Organics (DRO)	77	9.9	mg/Kg	1	6/13/2019 1:54:11 PM	45506
Motor Oil Range Organics (MRO)	70	49	mg/Kg	1	6/13/2019 1:54:11 PM	45506
Surr: DNOP	109	70-130	%Rec	1	6/13/2019 1:54:11 PM	45506
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 1:05:20 AM	45503
Surr: BFB	107	73.8-119	%Rec	1	6/13/2019 1:05:20 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	6/13/2019 1:05:20 AM	45503
Toluene	ND	0.049	mg/Kg	1	6/13/2019 1:05:20 AM	45503
Ethylbenzene	ND	0.049	mg/Kg	1	6/13/2019 1:05:20 AM	45503
Xylenes, Total	ND	0.097	mg/Kg	1	6/13/2019 1:05:20 AM	45503
Surr: 4-Bromofluorobenzene	107	80-120	%Rec	1	6/13/2019 1:05:20 AM	45503

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

					Bute Reported.	
CLIENT: Safety & Environmental Solu	tions	Cli	ient Sample II	D: AF	I-9 Surface	
Project: Devon Ross Ranch 10 Fed 1	Tank Pad	0	Collection Dat	e: 6/7	/2019 12:50:00 PM	
Lab ID: 1906521-017	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	2300	61	mg/Kg	20	6/16/2019 12:31:48 AM	45603
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	том
Diesel Range Organics (DRO)	160	9.3	mg/Kg	1	6/13/2019 2:18:25 PM	45506
Motor Oil Range Organics (MRO)	170	47	mg/Kg	1	6/13/2019 2:18:25 PM	45506
Surr: DNOP	110	70-130	%Rec	1	6/13/2019 2:18:25 PM	45506
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Surr: BFB	104	73.8-119	%Rec	1	6/13/2019 1:29:56 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Toluene	ND	0.049	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Ethylbenzene	ND	0.049	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Xylenes, Total	ND	0.097	mg/Kg	1	6/13/2019 1:29:56 AM	45503
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/13/2019 1:29:56 AM	45503

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solution	IS	Cl	ient Sample II	D: AF	H-9 1ft		
Project: Devon Ross Ranch 10 Fed 1 Tan	k Pad	Pad Collection Date: 6/7/2019 1:10:00 PM					
Lab ID: 1906521-018	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	MRA	
Chloride	1000	60	mg/Kg	20	6/16/2019 12:44:13 AM	45603	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	том	
Diesel Range Organics (DRO)	22	9.9	mg/Kg	1	6/13/2019 2:42:41 PM	45506	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/13/2019 2:42:41 PM	45506	
Surr: DNOP	96.0	70-130	%Rec	1	6/13/2019 2:42:41 PM	45506	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/13/2019 1:54:34 AM	45503	
Surr: BFB	108	73.8-119	%Rec	1	6/13/2019 1:54:34 AM	45503	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.025	mg/Kg	1	6/13/2019 1:54:34 AM	45503	
Toluene	ND	0.049	mg/Kg	1	6/13/2019 1:54:34 AM	45503	
Ethylbenzene	ND	0.049	mg/Kg	1	6/13/2019 1:54:34 AM	45503	
Xylenes, Total	ND	0.099	mg/Kg	1	6/13/2019 1:54:34 AM	45503	
Surr: 4-Bromofluorobenzene	109	80-120	%Rec	1	6/13/2019 1:54:34 AM	45503	

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

	-						1	
CLIENT: Project:	Safety & Environmental Soluti Devon Ross Ranch 10 Fed 1 T				-		H-10 Surface //2019 1:15:00 PM	
Lab ID:	1906521-019	Matrix: SOIL					1/2019 9:05:00 AM	
Analyses	1	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst:	MRA
Chloride		700	60		mg/Kg	20	6/16/2019 12:56:38 AM	45603
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	том
Diesel R	ange Organics (DRO)	940	9.5		mg/Kg	1	6/13/2019 3:07:00 PM	45506
Motor O	il Range Organics (MRO)	750	48		mg/Kg	1	6/13/2019 3:07:00 PM	45506
Surr:	DNOP	137	70-130	S	%Rec	1	6/13/2019 3:07:00 PM	45506
EPA ME	THOD 8015D: GASOLINE RAN	GE					Analyst	NSB
Gasoline	e Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2019 2:18:56 AM	45503
Surr:	BFB	105	73.8-119		%Rec	1	6/13/2019 2:18:56 AM	45503
EPA ME	THOD 8021B: VOLATILES						Analyst	NSB
Benzene	9	ND	0.025		mg/Kg	1	6/13/2019 2:18:56 AM	45503
Toluene		ND	0.050		mg/Kg	1	6/13/2019 2:18:56 AM	45503
Ethylber	izene	ND	0.050		mg/Kg	1	6/13/2019 2:18:56 AM	45503
Xylenes,	Total	ND	0.099		mg/Kg	1	6/13/2019 2:18:56 AM	45503
Surr:	4-Bromofluorobenzene	105	80-120		%Rec	1	6/13/2019 2:18:56 AM	45503

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

, i i i i i i i i i i i i i i i i i i i	•				Bute Reported.	
CLIENT: Safety & Environmental Soluti	ons	Cl	ient Sample II	D: AF	H-10 1ft	
Project: Devon Ross Ranch 10 Fed 1 T	ank Pad	(Collection Dat	e: 6/7	/2019 1:25:00 PM	
Lab ID: 1906521-020	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	1500	59	mg/Kg	20	6/16/2019 1:33:52 AM	45603
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	том
Diesel Range Organics (DRO)	16	9.6	mg/Kg	1	6/14/2019 9:29:59 AM	45506
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/14/2019 9:29:59 AM	45506
Surr: DNOP	102	70-130	%Rec	1	6/14/2019 9:29:59 AM	45506
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Surr: BFB	107	73.8-119	%Rec	1	6/13/2019 2:43:27 AM	45503
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Toluene	ND	0.050	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Ethylbenzene	ND	0.050	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Xylenes, Total	ND	0.099	mg/Kg	1	6/13/2019 2:43:27 AM	45503
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	6/13/2019 2:43:27 AM	45503

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

Qualifiers:

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

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

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Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1906521

6/12/2019 6:37:26 PM

45509

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Batch
Batch
Batch
Batch
st: smb
45603
st: BRM
45543
45543
45543
t: NSB
45509
45509
t: NSB
45509
45509
45509
45509

100

80-120

%Rec

1

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

ĩ	•				Bute Reported.	
CLIENT: Safety & Environmental Sol	utions	Cli	ient Sample II	D: AF	H-11 1ft	
Project: Devon Ross Ranch 10 Fed 1	Tank Pad	C	Collection Dat	e: 6/7	7/2019 1:40:00 PM	
Lab ID: 1906521-022	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	smb
Chloride	1500	60	mg/Kg	20	6/17/2019 1:03:34 PM	45618
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	28	9.6	mg/Kg	1	6/13/2019 5:13:42 PM	45543
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/13/2019 5:13:42 PM	45543
Surr: DNOP	107	70-130	%Rec	1	6/13/2019 5:13:42 PM	45543
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Surr: BFB	107	73.8-119	%Rec	1	6/12/2019 7:46:20 PM	45509
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Toluene	ND	0.050	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Ethylbenzene	ND	0.050	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Xylenes, Total	ND	0.10	mg/Kg	1	6/12/2019 7:46:20 PM	45509
Surr: 4-Bromofluorobenzene	99.2	80-120	%Rec	1	6/12/2019 7:46:20 PM	45509

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

Qualifiers:

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

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

Page 22 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

					I	
CLIENT: Safety & Enviro Project: Devon Ross Ra	onmental Solutions nch 10 Fed 1 Tank Pad		lient Sample I		H-12 Surface 7/2019 1:45:00 PM	
•						
Lab ID: 1906521-023	Matrix: SO	IL	Received Dat	te: 6/]	1/2019 9:05:00 AM	
Analyses	Result	t RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: AN	IONS				Analyst	smb
Chloride	2100) 60	mg/Kg	20	6/17/2019 1:40:46 PM	45618
EPA METHOD 8015M/D:	DIESEL RANGE ORGANICS				Analyst	BRM
Diesel Range Organics (DR	RO) NE	9.7	mg/Kg	1	6/13/2019 5:35:51 PM	45543
Motor Oil Range Organics ((MRO) NE	48	mg/Kg	1	6/13/2019 5:35:51 PM	45543
Surr: DNOP	110) 70-130	%Rec	1	6/13/2019 5:35:51 PM	45543
EPA METHOD 8015D: GA	ASOLINE RANGE				Analyst	NSB
Gasoline Range Organics (GRO) NE	9 4.9	mg/Kg	1	6/12/2019 8:54:55 PM	45509
Surr: BFB	106	5 73.8-119	%Rec	1	6/12/2019 8:54:55 PM	45509
EPA METHOD 8021B: VC	DLATILES				Analyst	NSB
Benzene	NE	0.025	mg/Kg	1	6/12/2019 8:54:55 PM	45509
Toluene	NE	0.049	mg/Kg	1	6/12/2019 8:54:55 PM	45509
Ethylbenzene	NE	0.049	mg/Kg	1	6/12/2019 8:54:55 PM	45509
Xylenes, Total	NE	0.098	mg/Kg	1	6/12/2019 8:54:55 PM	45509
Surr: 4-Bromofluorobenz	ene 98.0) 80-120	%Rec	1	6/12/2019 8:54:55 PM	45509

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

Qualifiers:

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

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

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Ŭ	.,				Bute Reported.	
CLIENT: Safety & Environmental Solution	ions	Cli	ent Sample II	D: AF	I-12 1ft	
Project: Devon Ross Ranch 10 Fed 1 T	`ank Pad	C	collection Dat	e: 6/7	/2019 1:55:00 PM	
Lab ID: 1906521-024	Matrix: SOIL		Received Dat	e: 6/1	1/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	smb
Chloride	1500	60	mg/Kg	20	6/17/2019 1:53:11 PM	45618
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	17	9.7	mg/Kg	1	6/13/2019 5:58:17 PM	45543
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/13/2019 5:58:17 PM	45543
Surr: DNOP	127	70-130	%Rec	1	6/13/2019 5:58:17 PM	45543
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Surr: BFB	107	73.8-119	%Rec	1	6/12/2019 9:17:44 PM	45509
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Toluene	ND	0.050	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Ethylbenzene	ND	0.050	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Xylenes, Total	ND	0.10	mg/Kg	1	6/12/2019 9:17:44 PM	45509
Surr: 4-Bromofluorobenzene	99.3	80-120	%Rec	1	6/12/2019 9:17:44 PM	45509

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

Qualifiers:

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

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

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ADDENDUM

Location name: ROSS RANCH

OCD Spill Numbers: 2RP-1136 (nMBL1215052644)

2RP-4009 (nAB1633633401)

2RP-4434 (nAB1728628311)

2RP-5437 (nAB1915042001)

From: Dale Woodall, Devon Energy

Date: 12/14/2022

Since this report for the above referenced spill(s) was written, there has been an update in the status of the PODs for the location.

A review of New Mexico Office of the State Engineers (OSE) online water well database (New Mexico Office of the State Engineer (NMOSE) online water well database <u>https://gis.ose.state.nm.us/gisapps/ose_pod_locations/</u>).

One pod location is 0.75 miles northeast and less than 25 years old.

C-04637 POD 1 (installed in 2022) did not encounter groundwater and is 0.75 miles of the location

The spill was remediated to criteria for DTW of 51-100 feet bgs.

Boring log of the well C-4637 POD1 is attached.



C-04637- POD1 (51 feet) = 0.75 miles from location

FIGURE 1: NM OSE POD LOCATIONS				
ROSS RANCH				
32.0593872,-103.7	596054			
drawn by: RDW	Date: 12/2022			

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PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

DSE DIT AUG 8 2022 MI.0/20

www.ose.state.nm.us

NOI	POD 1 (T	OSE POD NO. (WELL NO.) POD 1 (TW-1) WELL OWNER NAME(S) WELL OWNER NAME(S)							OSE FILE NO(S). C-4637					
LOCAT	Devon En	Devon Energy							PHONE (OPTIONAL) 575-748-1838					
GENERAL AND WELL LOCATION		WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy							CITY STATE ZIP Artesia NM 88210					
R R	(FROM GPS)			DEGREES MINUTES SECONDS 32 3 57.21 N * ACCURACE		T								
TA			LATITUDE			ACCURACY	URACY REQUIRED: ONE TENTH OF A SECOND							
NERA			LONGITUDE	103	44	57.		* DATUM REQUIRED: WGS 84						
1. GE			TING WELL LOCATION	FO STREET ADD	RESS AND COMMON	LANDM	ARKS – PLS	SS (SE	ECTION, TO	WNSHJIP, RA	NGE) WH	IERE A	VAILABLE	
	LICENSE NO		NAME OF LICENS		Jackie D. Atkins								G COMPANY ng Associates, In	nc.
1	DRILLING S 6/15/		DRILLING ENDED 6/15/2022		OMPLETED WELL (FT emporary Well	5)	BORE HO	LE DE		DEPTH WATER FIRST ENCOUNTERED (FT) N/A				
								-01	_					
N	COMPLETED WELL IS: ARTESIAN		✓ DRY HO	DRY HOLE SHALLOW (UNCONFINED)					DATE STATIC 6/15/2022,					
VIIC	DRILLING F	LUID:	AIR	MUD	ADDITIV	ES – SPEC	CIFY:							
2. DRILLING & CASING INFORMATION	DRILLING N	DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Hollow Stem Auger CHECK HERE IF PITLESS ADAPTER IS INSTALLED								TER IS				
INF	DEPTH (feet bgl)) BORE HOLE	CASING MATERIAL AND/OR GRADE CASING		IG.	CASI	NG	CA	SING WALL	SLOT			
Ŋ	FROM TO		DIAM	(include	GRADE (include each casing string, and note sections of screen)		CONNECTION					HICKNESS	SIZE	
ISA			(inches)	note				TYPE ld coupling diameter)					(inches)	(inches)
Se C	0	55	±6.5		Boring-HSA									
NG														
DR										_				— —
4														
											_			
	DEPTH (feet bgl) BORE HOLE			LIST ANNULAR SEAL MATERIAL AND			Millinor		O OF					
ANNULAR MATERIAL	FROM TO DIAM. (inches)		GRAVEL PACK SIZE-RANGE BY INTERVAL			PLACEMENT								
TEF														
MA														
AR														
IN														
Э.														
	OSE INTER												Version 01/28	/2022)
FILE	FILE NO. $(-O4637 - Pob)$ POD NO TEN NO. 721 UQU													

WELL TAG ID NO.

265.31E.02.4.4.3.

LOCATION

	DEPTH (feet bgl) COLOR AND TYPE OF MATERIAL ENCOUNTERED - FROM TO THICKNESS (feet) INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)			s	WAT BEARI (YES /	NG?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)				
	0	39	39	Sand, Medium/ Fine grained, poorly graded, Tan brown			Y	√ N			
	39 55 16				m/ Fine grained, poorly grad				Y	√ N	
									Y	N	
									Y	N	
									Y	N	
T									Y	N	
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
OF									Y	N	
00									Y	N	
ICI									Y	N	
TOC									Y	N	
GEO									Y	N	
RO									Y	N	
HYL									Y	N	
4									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:				L ESTIM		
	PUMI		IR LIFT	BAILER OT	THER – SPECIFY:			WELL	. YIELD	(gpm):	0.00
NOIS	WELL TES	WELL TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.									
NISI	MISCELLA	NEOUS INF	ORMATION: Te	emnorary well materia	al removed and soil borin	a hackf	illed using dr	ill cutti	ngs from	total de	enth to ten feet
PER			be	elow ground surface(b	egs), then hydrated bento	nite chip	os ten feet bg	to surf	face.	total u	pui to ten reet
GSU											
MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface DEE DIT A PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION				I AUG (3 2022	AM10:20					
TEST	PRINT NAM	E(S) OF DI	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE SUPERV	ISION O	F WELL CON	STRUC	TION OT	HER TH	AN LICENSEE:
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WE											
TURE	CORRECT I	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:									
SIGNATURE	Jack Al	kins		Jac	ckie D. Atkins				8/4/2	2022	
6.		SIGNATURE OF DRILLER / PRINT SIGNEE NAME								DATE	
FOI											
	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 01/28/2022) FILE NO. C-O4637 POD NO. TRN NO. 726494										
			E. 02.4	.4.3	````	WELI	, TAG ID NO.	-	~		PAGE 2 OF 2

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2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

August 4, 2022

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4637 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4637 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Caron Middlam

Lucas Middleton Enclosures: as noted above

DSE DH AUG 8 2022 M10:13

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

QUESTIONS

Action 364739

QUESTIONS

Operator:	OGRID:		
DEVON ENERGY PRODUCTION COMPANY, LP	6137		
333 West Sheridan Ave.	Action Number:		
Oklahoma City, OK 73102	364739		
	Action Type:		
	[C-141] Deferral Request C-141 (C-141-v-Deferral)		

QUESTIONS

Prerequisites		
Incident ID (n#)	nAB1915042001	
Incident Name	NAB1915042001 ROSS RANCH 10 FEDERAL #001 @ 30-015-29605	
Incident Type	Produced Water Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-015-29605] ROSS RANCH 10 FEDERAL #001	

Location of Release Source

Please answer all the questions in this group.		
Site Name	ROSS RANCH 10 FEDERAL #001	
Date Release Discovered	05/13/2019	
Surface Owner	Federal	

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		
Did this release result in any injuries	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

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission Crude Oil Released (bbls) Details Not answered. Cause: Lightning | Water Tank | Produced Water | Released: 640 BBL | Recovered: 640 BBL | Produced Water Released (bbls) Details Lost: 0 BBL Is the concentration of 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)	Not answered.

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

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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, Page 2

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Action 364739

QUESTIONS (continued)

Operator:	OGRID:		
DEVON ENERGY PRODUCTION COMPANY, LP	6137		
333 West Sheridan Ave.	Action Number:		
Oklahoma City, OK 73102	364739		
	Action Type:		
	[C-141] Deferral Request C-141 (C-141-v-Deferral)		

QUESTIONS

	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.			
ſ	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes			
	Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.			
	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	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.				
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of leted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	v knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface ort does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com				

Date: 07/17/2024

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District IV

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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, Page 3

Action 364739

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QUESTIONS (continued)				
Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137			
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 364739			
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)			
QUESTIONS				

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the elease discovery date. What is the shallowest depth to groundwater beneath the area affected by the 1 500 (5)

release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)		
What method was used to determine the depth to ground water	NM OSE iWaters Database Search		
Did this release impact groundwater or surface water	No		
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:			
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)		
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)		
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)		
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)		
Any other fresh water well or spring	Greater than 5 (mi.)		
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)		
A wetland	Greater than 5 (mi.)		
A subsurface mine	Greater than 5 (mi.)		
An (non-karst) unstable area	Greater than 5 (mi.)		
Categorize the risk of this well / site being in a karst geology	High		
A 100-year floodplain	Greater than 5 (mi.)		
Did the release impact areas not on an exploration, development, production, or storage site	Yes		

Remediation Plan

Please answer all the questions th	hat apply or are indicated. This information must be provided to	o the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	al extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in m	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	2400
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 N		0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 N which includes the anticipated tim	VMAC unless the site characterization report includes complete	
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi	VMAC unless the site characterization report includes complete elines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wil On what date will (or did) th	MAC unless the site characterization report includes complete lelines for beginning and completing the remediation. II the remediation commence	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 06/17/2019
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wil On what date will (or did) th On what date will (or was) f	VMAC unless the site characterization report includes complete belines for beginning and completing the remediation. Il the remediation commence he final sampling or liner inspection occur	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 06/17/2019 06/19/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wil On what date will (or did) th On what date will (or was) the What is the estimated surfa	WMAC unless the site characterization report includes complete relines for beginning and completing the remediation. Il the remediation commence ne final sampling or liner inspection occur the remediation complete(d)	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 06/17/2019 06/19/2024 06/24/2019
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi On what date will (or did) th On what date will (or was) 1 What is the estimated surfa What is the estimated volur	MAC unless the site characterization report includes complete relines for beginning and completing the remediation. Il the remediation commence the final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 06/17/2019 06/19/2024 06/24/2019 100
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wil On what date will (or did) th On what date will (or was) t What is the estimated surfa What is the estimated volur What is the estimated surfa	MAC unless the site characterization report includes complete relines for beginning and completing the remediation. Il the remediation commence he final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed me (in cubic yards) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 06/17/2019 06/19/2024 06/24/2019 100 15

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

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

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QUESTIONS, Page 4

Action 364739

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTI	ONS (continued	3)
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102		OGRID: 6137 Action Number: 364739 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS		• • • • • • • • •
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district of	fice no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contamin	iants:
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Yes	
Other Non-listed Remedial Process. Please specify	reconstruction of	vities were conducted in 2019. this report is a post remediation, post f the containment assessment
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, th	e report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
I hereby certify that the information given above is true and complete to the best of my k to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report local laws and/or regulations.	ases which may enc adequately investiga	danger public health or the environment. The acceptance of a C-141 report by ate and remediate contamination that pose a threat to groundwater, surface
I hereby agree and sign off to the above statement	Name: Dale Woo Title: EHS Profes Email: Dale.Woo Date: 07/17/2024	odall@dvn.com

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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District III

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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, Page 5

Action 364739

QUESTIONS (continued)		
	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	364739	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each o	f the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Removal of containment structure for all storage tanks and associated piping would leave storage tanks unprotected.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	100
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	15
	iately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-29605 ROSS RANCH 10 FEDERAL #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for releated to a construction of the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com
	Email: Dale.Woodall@dvn.com Date: 07/17/2024

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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

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Action 364739

QUESTIONS (continued)			
Operator:	OGRID:		
DEVON ENERGY PRODUCTION COMPANY, LP	6137		
333 West Sheridan Ave.	Action Number:		
Oklahoma City, OK 73102	364739		
	Action Type:		
	[C-141] Deferral Request C-141 (C-141-v-Deferral)		
QUESTIONS			
Sampling Event Information			
Last sampling notification (C-141N) recorded	{Unavailable.}		

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	No	

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CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	364739
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS		
Created By		Condition Date
amaxwell	Deferral approved. Deferral is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	7/19/2024

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Action 364739