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

Site Assessment/Characterization

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

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

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

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

- ■ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ■ Data table of soil contaminant concentration data
- ■ Depth to water determination
- ■ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ■ Photographs including date and GIS information
- ■ Topographic/Aerial maps
- ■ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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

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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 11/3/2023

State of New Mexico
Oil Conservation Division

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

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- [ ] Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- [ ] Extents of contamination must be fully delineated.
- [ ] Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 11/3/2023

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: Date:

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

Closure

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

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

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

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 11/3/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 11/06/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

.Devon Energy
Ross Ranch 10 Fed #001

Closure Report
Section 10, T26S, R31E
Lea County, New Mexico

Incident ID: nAB1633633401 (2RP-4009)

June 18, 2020
Amended

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.

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). 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:

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/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	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 8015M	2,500 mg/kg
	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
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	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: nAB1633633401 (Remediation Permit Number 2RP-4009)

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.

June 11, 2019, SESI traversed the release area located on the location's south side (south of tank battery). The location was photographed, and the affected areas were mapped. SESI traversed the release areas to identify the locations for auger hole installation for soil testing. Five auger openings were advanced in total. SESI collected soil samples from the spill area on the south side of the tanks as well as the adjacent pasture.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (Cl Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Devon Energy								
Ross Ranch 10 Fed 1 SWD								
Soil Sample Results: Hall Environmental Analysis Laboratory, Inc. (2RP-4009) 6/11/2019								
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	4800	ND	ND	ND	ND	ND	170	860
AH-1 @ 1ft	2300	ND	ND	ND	ND	ND	19	100
AH-2 Surface	550	ND	ND	ND	ND	ND	3400	8000
AH-2 @ 1ft	2300	ND	ND	ND	ND	ND	18	97
AH-3 Surface	8300	ND	ND	ND	ND	ND	43	160
AH-3 @ 1ft	4200	ND	ND	ND	ND	ND	ND	ND
AH-3 @ 2.5ft	ND	ND	ND	ND	ND	ND	ND	ND
AH-4 @ Surface	910	ND	ND	ND	ND	ND	620	1000
AH-4 @ 1ft	3400	ND	ND	ND	ND	ND	ND	ND
AH-4 @ 2.5ft	ND	ND	ND	ND	ND	ND	ND	ND
AH-5 @ Surface	2100	ND	ND	ND	ND	ND	13	110
AH-5 @ 1ft	3400	ND	ND	ND	ND	ND	ND	ND
AH-5 @ 2.5ft	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.

April 8, 2020, confirmation soil samples were retrieved from the spill area on the southeast side pasture area.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (Cl Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Devon Energy								
Ross Ranch 10 Fed 1 SWD								
Soil Sample Results: Hall Environmental Analysis Laboratory, Inc.(2RP-4009) 4/8/2020								
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)**
SA1 @ Surface	970	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA1 @ 1'	470	ND	ND	ND	ND	N/A	N/A	N/A
SA2 @ Surface	190	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA2 @ 1'	360	ND	ND	ND	ND	N/A	N/A	N/A
SA3 @ Surface	330	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA3 @ 1'	280	ND	ND	ND	ND	N/A	N/A	N/A
SA4 @ Surface	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA4 @ 1'	ND	ND	ND	ND	ND	N/A	N/A	N/A
SA5 @ Surface	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA5 @ 1'	ND	ND	ND	ND	ND	N/A	N/A	N/A
SA6 @ Surface	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA6 @ 1'	ND	ND	ND	ND	ND	N/A	N/A	N/A
SA7 @ Surface	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA7 @ 1'	ND	ND	ND	ND	ND	N/A	N/A	N/A
SA8 @ Surface	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SA8 @ 1'	ND	ND	ND	ND	ND	N/A	N/A	N/A

On June 4 and 5, 2020, SESI personnel along with a three-man crew to excavate the area on the west end of the battery which in the last sampling had elevated levels of chlorides. The area was excavated and backfilled with new caliche and the contaminated soil was transported to a NMOCD approved disposal facility.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (Cl Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Devon Energy								
Ross Ranch 10 Fed 1 SWD								
Soil Sample Results: Hall Environmental Analysis Laboratory, Inc. 06/04/2020								
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)**
Bottom 1 ft	100	ND	ND	ND	ND	ND	ND	ND
Bottom 2 1ft	ND	ND	ND	ND	ND	ND	ND	ND
West	150	ND	ND	ND	ND	ND	ND	ND
South	150	ND	ND	ND	ND	ND	ND	ND
North	210	ND	ND	ND	ND	ND	ND	ND
East	210	ND	ND	ND	ND	ND	ND	ND

On August 21, 2023 SESI arrived onsite to collect samples to delineate the area that was remediated earlier to check the backfilled area for contamination at intervals ranging from 0-2 ft. bgs. All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (Cl Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Devon Energy								
Ross Ranch 10 Fed 1 SWD								
Soil Sample Results: Hall Environmental Analysis Laboratory, Inc.(2RP-4009) 08/21/2023								
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)**
CS1-Surface	ND	**0.033**	**0.075**	ND	ND	ND	**12**	**53**
CS1-1'	ND	ND	ND	ND	ND	ND	ND	ND
CS1-2'	ND	ND	ND	ND	ND	ND	ND	ND
CS2-Surface	ND	ND	ND	ND	ND	ND	ND	ND
CS2-1'	ND	ND	ND	ND	ND	ND	ND	ND
CS2-2'	ND	ND	ND	ND	ND	ND	ND	ND
CS3-Surface	ND	ND	ND	ND	ND	ND	ND	ND
CS3-1'	ND	ND	ND	ND	ND	ND	ND	ND
CS3-2'	**170**	ND	ND	ND	ND	ND	ND	ND
CS4-Surface	ND	ND	**0.091**	ND	ND	ND	ND	ND
CS4-1'	ND	ND	ND	ND	ND	ND	ND	ND
CS4-2'	**60**	ND	ND	ND	ND	ND	ND	ND
CS5-Surface	ND	ND	**0.060**	ND	ND	ND	ND	ND
CS5-1'	ND	ND	ND	ND	ND	ND	ND	ND
CS5-2'	ND	ND	ND	ND	ND	ND	ND	ND
CS6-Surface	ND	**0.035**	**0.083**	ND	ND	ND	ND	ND
CS6-1'	ND	ND	ND	ND	ND	ND	ND	ND
CS6-2'	ND	ND	ND	ND	ND	ND	ND	ND

The delineation samples of the backfilled area indicate contaminant levels below the target of 600 ppm Cl. 100 ppm TPH and 50 ppm BTEX.

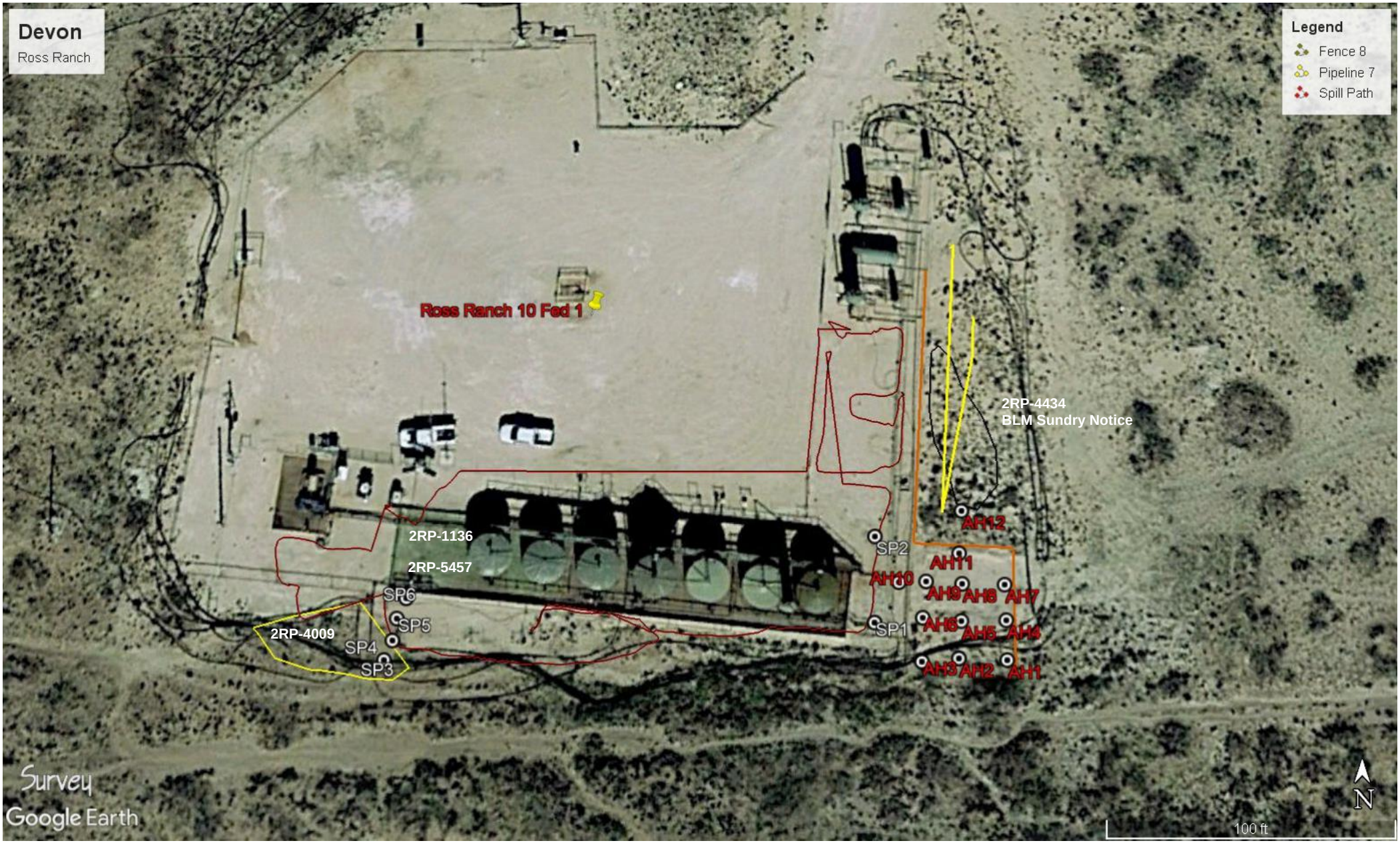
Conclusion

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.

Supplemental Documentation

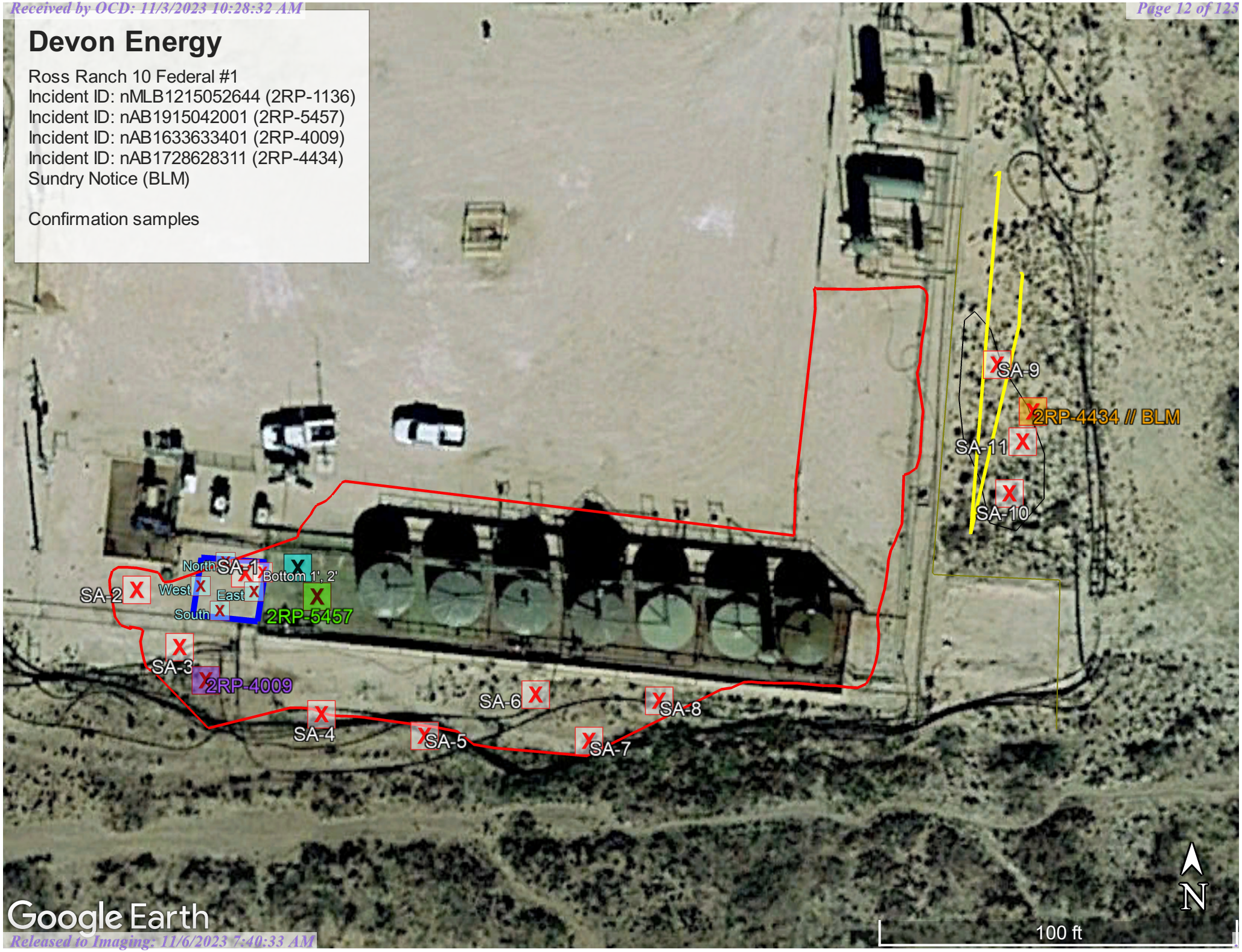
Document 1: Vicinity Map
Document 2: OSE Information
Document 3: NMOCD Oil and Gas Map
Document 4: BLM Cave Karst Map
Document 5: FEMA Floodplain Map
Document 6: Photographs of compromised areas and repairs
Document 7: Lab Analysis
Document 8: C-141 initial, final


Devon
Ross Ranch
Legend
Fence 8
Pipeline 7
Spill Path
Ross Ranch 10 Fed 1
2RP-4434
BLM Sundry Notice
2RP-1136
2RP-5457
2RP-4009
AH12
AH11
AH10
AH9
AH8
AH7
AH6
AH5
AH4
AH3
AH2
AH1
SP1
SP2
SP3
SP4
SP5
SP6
Survey
Google Earth
N
100 ft

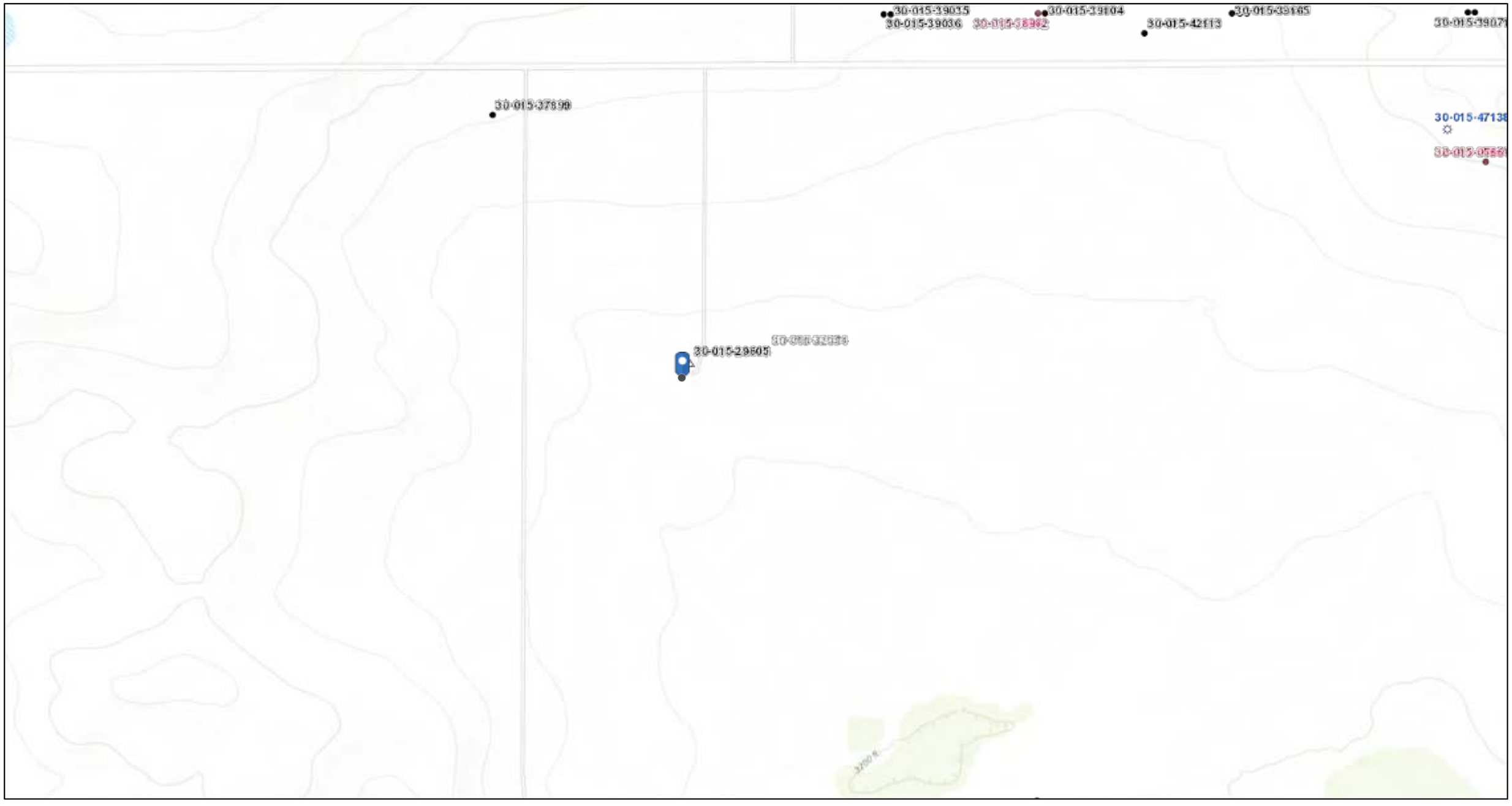
Devon Energy

Ross Ranch 10 Federal #1
Incident ID: nMLB1215052644 (2RP-1136)
Incident ID: nAB1915042001 (2RP-5457)
Incident ID: nAB1633633401 (2RP-4009)
Incident ID: nAB1728628311 (2RP-4434)
Sundry Notice (BLM)

Confirmation samples



Devon, Ross Ranch 10 Fed 1 SWD



5/18/2021, 9:39:09 AM

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

Wells - Large Scale

- undefined
- Miscellaneous
- CO2, Active
- CO2, Cancelled
- CO2, New
- CO2, Plugged
- CO2, Temporarily Abandoned
- Gas, Active
- Gas, Cancelled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active
- Injection, Cancelled
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New
- Salt Water Injection, Plugged
- Salt Water Injection, Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged
- Water, Temporarily Abandoned
- OCD District Offices

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

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01777		C	ED				08	26S	31E	613245	3547409*	325	300	25
C 02090		C	ED		4	4	01	26S	31E	620329	3548533*	350	335	15
C 02248		CUB	ED	1	2	3	08	26S	31E	612942	3547316*	300	292	8
C 02249		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		C	ED	4	4	2	01	26S	31E	620384	3549257	666	340	326

Average Depth to Water: **317 feet**
Minimum Depth: **292 feet**
Maximum Depth: **365 feet**

Record Count: 7

PLSS Search:

Township: 26S **Range:** 31E

***UTM location was derived from PLSS - see Help**

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice 575.624.2420
fax: 575.624.2421
www.atkinseng.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,

Lucas Middleton

Enclosures: as noted above

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-04700

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	3	48.97	N
LONGITUDE	103	45	47.89	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE NW NE Sec.10 T26S R31E NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/17/23	4/17/23	Temporary Well Material	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 4/25/23

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Sand, medium-fine grained, poorly, graded, unconsolidated, brown	Y ✓ N	
4	30	36	Caliche, with silt semi-consolidated, white/tan	Y ✓ N	
30	55	25	Sand, fine- grained, poorly, graded, unconsolidated, tan	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — 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.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.
36
Snapping 10 Federal 1H

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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:

Jack Atkins — Jackie D. Atkins — 4/26/23

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-04700 POD-1

Well owner: Devon Energy Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Lupe Leyba

4) Date well plugging began: 4/25/23 Date well plugging concluded: 4/25/23

5) GPS Well Location: Latitude: 32 deg, 3 min, 48.97 sec
Longitude: 103 deg, 45 min, 47.89 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 1/25/2023

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009
Page 1 of 2

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0-10'	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-55'	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

RECEIVED 2023 PM 1:45

III. SIGNATURE:

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 — Signature of Well Driller

4/26/23 — Date

Version: September 8, 2009
Page 2 of 2

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

Final Audit Report 2023-04-26

Created:	2023-04-26
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

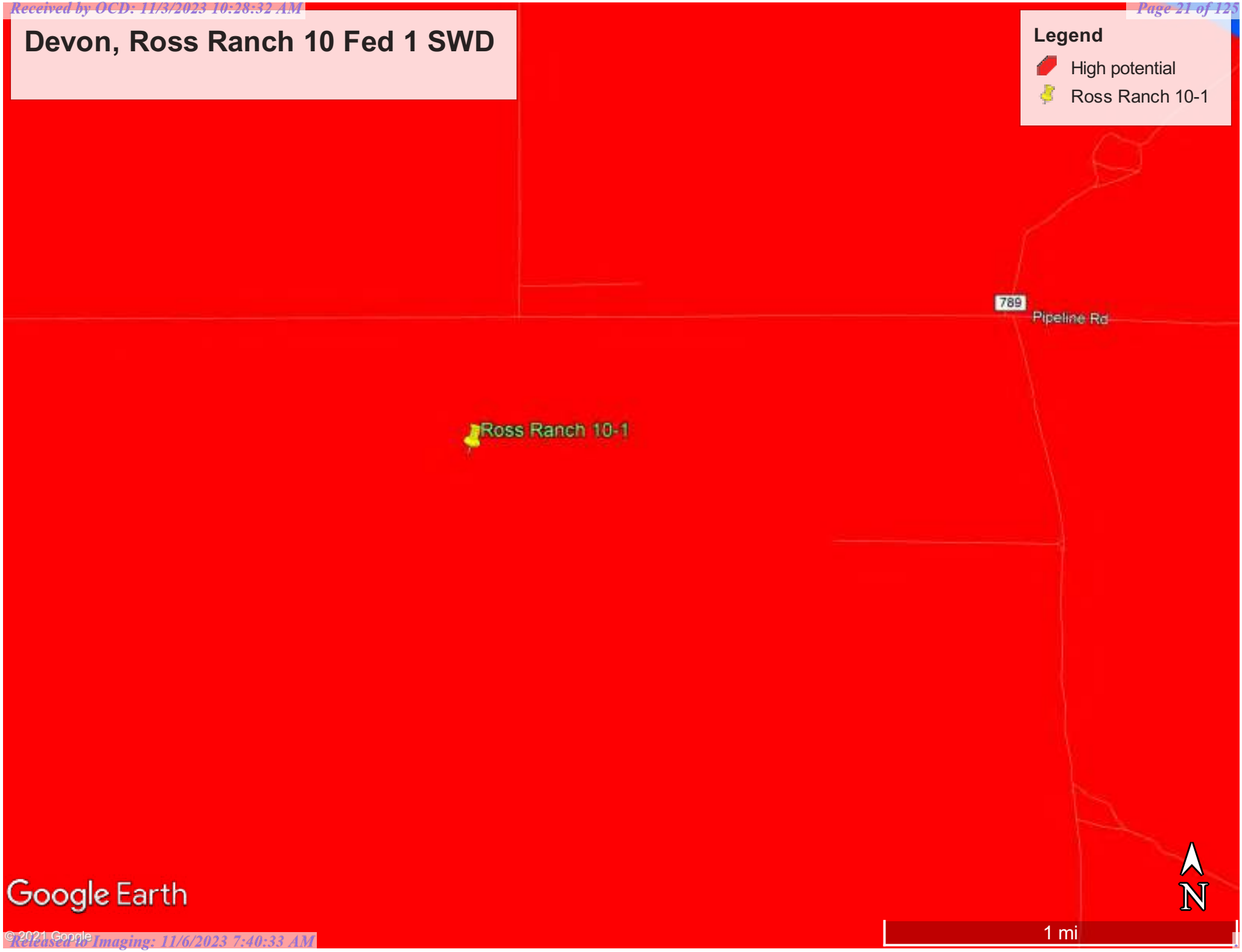
Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-04-26 - 3:54:42 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2023-04-26 - 3:54:42 PM GMT

RECEIVED 27 2023 [illegible]

Adobe Acrobat Sign

Devon, Ross Ranch 10 Fed 1 SWD



National Flood Hazard Layer FIRMette

FEMA

103°45'54"W 32°3'48"N

103°45'17"W 32°3'18"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

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

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/18/2021 at 11:41 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 19, 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 2RP 4009 OrderNo.: 1906574

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 13 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 Surface
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 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 12:49:20 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE 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 RANGE						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

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 1ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 2:25:00 PM
Lab ID: 1906574-002 **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	2300	60		mg/Kg	20	6/17/2019 2:18:00 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE 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 RANGE						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
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/13/2019 1:03:23 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 Surface
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 2:30:00 PM
Lab ID: 1906574-003 **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	550	60		mg/Kg	20	6/17/2019 2:30:24 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	3400	95		mg/Kg	10	6/13/2019 7:05:11 PM	45543
Motor Oil Range Organics (MRO)	8000	480		mg/Kg	10	6/13/2019 7:05:11 PM	45543
Surr: DNOP	0	70-130	S	%Rec	10	6/13/2019 7:05:11 PM	45543
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/13/2019 1:26:29 PM	45509
Surr: BFB	119	73.8-119		%Rec	1	6/13/2019 1:26:29 PM	45509
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	6/13/2019 1:26:29 PM	45509
Toluene	ND	0.048		mg/Kg	1	6/13/2019 1:26:29 PM	45509
Ethylbenzene	ND	0.048		mg/Kg	1	6/13/2019 1:26:29 PM	45509
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2019 1:26:29 PM	45509
Surr: 4-Bromofluorobenzene	117	80-120		%Rec	1	6/13/2019 1:26:29 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 1ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 2:45:00 PM
Lab ID: 1906574-004 **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	2300	60		mg/Kg	20	6/17/2019 2:42:49 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **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 RANGE						Analyst: **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						Analyst: **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
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2019 2:12:55 PM	45509
Xylenes, Total	ND	0.098		mg/Kg	1	6/13/2019 2:12:55 PM	45509
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	6/13/2019 2:12:55 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 Surface
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 2:50:00 PM
Lab ID: 1906574-005 **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	8300	590		mg/Kg	200	6/18/2019 1:01:44 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range 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: DNOP	132	70-130	S	%Rec	1	6/17/2019 8:22:13 PM	45543
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2019 2:53:00 PM	45509
Surr: BFB	114	73.8-119		%Rec	1	6/14/2019 2:53:00 PM	45509
EPA METHOD 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
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2019 2:53:00 PM	45509
Xylenes, 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 1ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 3:10:00 PM
Lab ID: 1906574-006 **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	4200	150		mg/Kg	50	6/18/2019 1:14:09 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE 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 RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 2.5ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 3:25:00 PM
Lab ID: 1906574-007 **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	ND	60		mg/Kg	20	6/17/2019 3:44:52 PM	45618
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/13/2019 8:57:01 PM	45543
Motor Oil 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 METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline 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 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

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

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 1ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 3:45:00 PM
Lab ID: 1906574-009 **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	3400	150		mg/Kg	50	6/18/2019 1:26:34 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						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

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	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						Analyst: **NSB**	
Gasoline 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**	
Benzene	ND	0.025		mg/Kg	1	6/14/2019 5:40:06 PM	45509
Toluene	ND	0.049		mg/Kg	1	6/14/2019 5:40:06 PM	45509
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2019 5:40:06 PM	45509
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2019 5:40:06 PM	45509
Surr: 4-Bromofluorobenzene	95.9	80-120		%Rec	1	6/14/2019 5:40:06 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 Surface
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 4:00:00 PM
Lab ID: 1906574-011 **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	2100	60		mg/Kg	20	6/17/2019 7:15:48 PM	45633
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	13	10		mg/Kg	1	6/13/2019 10:26:13 PM	45543
Motor Oil 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 METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline 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 METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	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
Ethylbenzene	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 1ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 4:10:00 PM
Lab ID: 1906574-012 **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	3400	150		mg/Kg	50	6/18/2019 1:38:58 PM	45633
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/13/2019 10:48:31 PM	45543
Motor Oil 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 METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline 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 METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	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
Ethylbenzene	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1906574**
Date Reported: **6/19/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 2.5ft
Project: Devon Ross Ranch 10 Fed 1 2RP 4009
Collection Date: 6/7/2019 4:25:00 PM
Lab ID: 1906574-013 **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	ND	60		mg/Kg	20	6/17/2019 7:40:37 PM	45633
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/13/2019 11:10:49 PM	45543
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/13/2019 11:10:49 PM	45543
Surr: DNOP	118	70-130		%Rec	1	6/13/2019 11:10:49 PM	45543
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2019 9:59:37 AM	45528
Surr: BFB	109	73.8-119		%Rec	1	6/13/2019 9:59:37 AM	45528
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	6/13/2019 9:59:37 AM	45528
Toluene	ND	0.049		mg/Kg	1	6/13/2019 9:59:37 AM	45528
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2019 9:59:37 AM	45528
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2019 9:59:37 AM	45528
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/13/2019 9:59:37 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1906574**
19-Jun-19

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch 10 Fed 1 2RP 4009

Sample ID: **MB-45618** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **45618** RunNo: **60701**
Prep Date: **6/17/2019** 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-45618** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **45618** RunNo: **60701**
Prep Date: **6/17/2019** 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			

Sample ID: **MB-45633** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **45633** RunNo: **60701**
Prep Date: **6/17/2019** Analysis Date: **6/17/2019** SeqNo: **2054652** Units: **mg/Kg**

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

Sample ID: **LCS-45633** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **45633** RunNo: **60701**
Prep Date: **6/17/2019** Analysis Date: **6/17/2019** SeqNo: **2054653** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906574**

19-Jun-19

Client: Safety & Environmental Solutions

Project: Devon Ross Ranch 10 Fed 1 2RP 4009

Sample ID: **LCS-45543** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **45543** RunNo: **60622**

Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2052482** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.2	63.9	124			
Surr: DNOP	4.8		5.000		95.4	70	130			

Sample ID: **MB-45543** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **45543** RunNo: **60622**

Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2052483** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		113	70	130			

Sample ID: **LCS-45594** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **45594** RunNo: **60697**

Prep Date: **6/14/2019** Analysis Date: **6/17/2019** SeqNo: **2054871** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		75.9	70	130			

Sample ID: **MB-45594** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **45594** RunNo: **60697**

Prep Date: **6/14/2019** Analysis Date: **6/17/2019** SeqNo: **2054872** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		81.9	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1906574**
19-Jun-19

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch 10 Fed 1 2RP 4009

Sample ID: **MB-45518** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **45518** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050617** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	73.8	119			

Sample ID: **LCS-45518** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **45518** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050618** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		119	73.8	119			

Sample ID: **MB-45509** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **45509** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050625** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	73.8	119			

Sample ID: **LCS-45509** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **45509** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050626** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.9	80.1	123			
Surr: BFB	1200		1000		119	73.8	119			

Sample ID: **MB-45528** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051781** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	73.8	119			

Sample ID: **LCS-45528** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051782** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.2	80.1	123			
Surr: BFB	1200		1000		121	73.8	119			S

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1906574**
19-Jun-19

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch 10 Fed 1 2RP 4009

Sample ID: **1906574-013AMS** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **AH-5 2.5ft** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051790** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.63	0	99.6	69.1	142			
Surr: BFB	1200		985.2		122	73.8	119			S

Sample ID: **1906574-013AMSD** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **AH-5 2.5ft** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051791** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.93	0	97.6	69.1	142	0.840	20	
Surr: BFB	1200		997.0		123	73.8	119	0	0	S

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1906574**
19-Jun-19

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch 10 Fed 1 2RP 4009

Sample ID: **MB-45518** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **45518** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050664** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	80	120			

Sample ID: **LCS-45518** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **45518** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050665** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID: **MB-45509** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **45509** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050673** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **LCS-45509** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **45509** RunNo: **60590**
Prep Date: **6/11/2019** Analysis Date: **6/12/2019** SeqNo: **2050674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	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: **MB-45528** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051816** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1906574**
19-Jun-19

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch 10 Fed 1 2RP 4009

Sample ID: **MB-45528** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051816** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **LCS-45528** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **45528** RunNo: **60624**
Prep Date: **6/12/2019** Analysis Date: **6/13/2019** SeqNo: **2051817** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Safety Env Solutions** Work Order Number: **1906574** RcptNo: **1**

Received By: **Isaiah Ortiz** **6/11/2019 9:05:00 AM** I_Ox

Completed By: **Leah Baca** **6/12/2019 8:05:09 AM** Leah Baca

Reviewed By: IO 6/12/19

Chain of Custody

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

Log In

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

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

Adjusted?

Checked by: LB 6/12/19

Special Handling (if applicable)

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

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E Clinton Hobbs N.M 88240

Phone #: 575-397-0510

email or Fax#:

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

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

Turn-Around Time:
5 Day Rush
☐ Standard ☐ Rush

Project Name: Devon
Ross Ranch 10 Fed 1 (2RP-4009)

Project #:
DEV-19-010

Project Manager:
Allen Bob

Sampler: Jose Jerry

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.1°C - 0.2(CF) 0.9°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1906574	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
06/07	1415	S	AH-1 Surface	1	Ice	-001	X	X								X
	1425	S	AH-1 1ft	1	None	-002										
	1430	S	AH-2 Surface	1		-003										
	1445	S	AH-2 1Ft	1		-004										
	1450	S	AH-3 Surface	1		-005										
	1510	S	AH-3 1ft	1		-006										
	1525	S	AH-3 2.5 ft	1		-007										
	1530	S	AH-4 Surface	1		-008										
	1545	S	AH-4 1ft	1		-009										
	1555	S	AH-4 2.5ft	1		-010										
	1600	S	AH-5 Surface	1		-011										
06/07	1610	S	AH-5 1ft	1		-012	X	X								X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
06/10	0800				6/10/19	0800
6/10/19	1900			Courier	6/11/19	0905

Remarks:

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

Chain-of-Custody Record

Client: Safety & Environmental Solution

Mailing Address: 703 E. Clinton Hobbs NM 88240

Phone #: 575-397-0510

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
5 Day Rush
☐ Standard ☐ Rush

Project Name: Devon
Ross Ranch 10 Fed 1 (2RP-4009)

Project #: DEV-19-010

Project Manager: Allen, Bob

Sampler: Josh Jung

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.1°-0.2°(CF) 0.9°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1906574	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
06/07	1625	S	MH-5 2.5 FT	1	Ice / Neat	-013	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
06/10	800				6/10/19	0820
6/10/19	1900					
				courier	6/11/19	0905

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 17, 2020

Bob Allen

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

RE: Ross Ranch OrderNo.: 2004552

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 22 sample(s) on 4/11/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA1 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 10:50:00 AM
Lab ID: 2004552-001 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	970	60		mg/Kg	20	4/15/2020 6:09:13 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA2 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 11:10:00 AM
Lab ID: 2004552-002 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	190	60		mg/Kg	20	4/15/2020 6:21:38 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA3 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 11:30:00 AM
Lab ID: 2004552-003 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	330	60		mg/Kg	20	4/15/2020 6:34:03 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA4 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 12:10:00 PM
Lab ID: 2004552-004 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/15/2020 6:46:27 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA5 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 12:35:00 PM
Lab ID: 2004552-005 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/15/2020 6:58:52 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA6 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 12:50:00 PM
Lab ID: 2004552-006 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/15/2020 7:11:16 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA7 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 1:15:00 PM
Lab ID: 2004552-007 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	61		mg/Kg	20	4/15/2020 7:23:40 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA8 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 1:40:00 PM
Lab ID: 2004552-008 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	59		mg/Kg	20	4/15/2020 8:00:54 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA9 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 2:10:00 PM
Lab ID: 2004552-009 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/15/2020 8:13:19 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA10 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 2:40:00 PM
Lab ID: 2004552-010 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/15/2020 8:25:43 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA11 Surface
Project: Ross Ranch
Collection Date: 4/8/2020 3:10:00 PM
Lab ID: 2004552-011 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	61		mg/Kg	20	4/15/2020 8:38:07 PM	51819

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA1 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 11:00:00 AM
Lab ID: 2004552-012 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	470	60		mg/Kg	20	4/15/2020 8:50:31 PM	51819
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2020 6:39:22 PM	51747
Surr: BFB	97.4	70-130		%Rec	1	4/14/2020 6:39:22 PM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/15/2020 4:17:35 PM	51753
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/15/2020 4:17:35 PM	51753
Surr: DNOP	99.5	55.1-146		%Rec	1	4/15/2020 4:17:35 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/14/2020 6:39:22 PM	51747
Toluene	ND	0.050		mg/Kg	1	4/14/2020 6:39:22 PM	51747
Ethylbenzene	ND	0.050		mg/Kg	1	4/14/2020 6:39:22 PM	51747
Xylenes, Total	ND	0.10		mg/Kg	1	4/14/2020 6:39:22 PM	51747
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	4/14/2020 6:39:22 PM	51747
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	4/14/2020 6:39:22 PM	51747
Surr: Dibromofluoromethane	102	70-130		%Rec	1	4/14/2020 6:39:22 PM	51747
Surr: Toluene-d8	94.2	70-130		%Rec	1	4/14/2020 6:39:22 PM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA2 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 11:20:00 AM
Lab ID: 2004552-013 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	360	60		mg/Kg	20	4/15/2020 9:02:56 PM	51819
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 8:04:56 PM	51747
Surr: BFB	100	70-130		%Rec	1	4/14/2020 8:04:56 PM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	8.2		mg/Kg	1	4/15/2020 5:06:13 PM	51753
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	4/15/2020 5:06:13 PM	51753
Surr: DNOP	101	55.1-146		%Rec	1	4/15/2020 5:06:13 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/14/2020 8:04:56 PM	51747
Toluene	ND	0.049		mg/Kg	1	4/14/2020 8:04:56 PM	51747
Ethylbenzene	ND	0.049		mg/Kg	1	4/14/2020 8:04:56 PM	51747
Xylenes, Total	ND	0.098		mg/Kg	1	4/14/2020 8:04:56 PM	51747
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	4/14/2020 8:04:56 PM	51747
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	4/14/2020 8:04:56 PM	51747
Surr: Dibromofluoromethane	101	70-130		%Rec	1	4/14/2020 8:04:56 PM	51747
Surr: Toluene-d8	95.1	70-130		%Rec	1	4/14/2020 8:04:56 PM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA3 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 11:45:00 AM
Lab ID: 2004552-014 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	280	60		mg/Kg	20	4/15/2020 9:15:20 PM	51819
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 9:30:34 PM	51747
Surr: BFB	96.5	70-130		%Rec	1	4/14/2020 9:30:34 PM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/15/2020 9:37:53 PM	51753
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/15/2020 9:37:53 PM	51753
Surr: DNOP	94.5	55.1-146		%Rec	1	4/15/2020 9:37:53 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/14/2020 9:30:34 PM	51747
Toluene	ND	0.049		mg/Kg	1	4/14/2020 9:30:34 PM	51747
Ethylbenzene	ND	0.049		mg/Kg	1	4/14/2020 9:30:34 PM	51747
Xylenes, Total	ND	0.099		mg/Kg	1	4/14/2020 9:30:34 PM	51747
Surr: 1,2-Dichloroethane-d4	98.0	70-130		%Rec	1	4/14/2020 9:30:34 PM	51747
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	4/14/2020 9:30:34 PM	51747
Surr: Dibromofluoromethane	103	70-130		%Rec	1	4/14/2020 9:30:34 PM	51747
Surr: Toluene-d8	96.3	70-130		%Rec	1	4/14/2020 9:30:34 PM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA4 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 12:15:00 PM
Lab ID: 2004552-015 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/15/2020 9:27:45 PM	51819
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 9:59:05 PM	51747
Surr: BFB	97.2	70-130		%Rec	1	4/14/2020 9:59:05 PM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/15/2020 10:02:09 PM	51753
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/15/2020 10:02:09 PM	51753
Surr: DNOP	91.6	55.1-146		%Rec	1	4/15/2020 10:02:09 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/14/2020 9:59:05 PM	51747
Toluene	ND	0.049		mg/Kg	1	4/14/2020 9:59:05 PM	51747
Ethylbenzene	ND	0.049		mg/Kg	1	4/14/2020 9:59:05 PM	51747
Xylenes, Total	ND	0.099		mg/Kg	1	4/14/2020 9:59:05 PM	51747
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%Rec	1	4/14/2020 9:59:05 PM	51747
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	4/14/2020 9:59:05 PM	51747
Surr: Dibromofluoromethane	101	70-130		%Rec	1	4/14/2020 9:59:05 PM	51747
Surr: Toluene-d8	95.8	70-130		%Rec	1	4/14/2020 9:59:05 PM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA5 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 12:40:00 PM
Lab ID: 2004552-016 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	61		mg/Kg	20	4/15/2020 6:33:51 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2020 10:27:34 PM	51747
Surr: BFB	99.2	70-130		%Rec	1	4/14/2020 10:27:34 PM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/15/2020 10:26:32 PM	51753
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/15/2020 10:26:32 PM	51753
Surr: DNOP	101	55.1-146		%Rec	1	4/15/2020 10:26:32 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/14/2020 10:27:34 PM	51747
Toluene	ND	0.049		mg/Kg	1	4/14/2020 10:27:34 PM	51747
Ethylbenzene	ND	0.049		mg/Kg	1	4/14/2020 10:27:34 PM	51747
Xylenes, Total	ND	0.099		mg/Kg	1	4/14/2020 10:27:34 PM	51747
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%Rec	1	4/14/2020 10:27:34 PM	51747
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	4/14/2020 10:27:34 PM	51747
Surr: Dibromofluoromethane	98.7	70-130		%Rec	1	4/14/2020 10:27:34 PM	51747
Surr: Toluene-d8	94.7	70-130		%Rec	1	4/14/2020 10:27:34 PM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA6 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 1:00:00 PM
Lab ID: 2004552-017 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/15/2020 7:11:04 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/15/2020 1:18:15 AM	51747
Surr: BFB	98.7	70-130		%Rec	1	4/15/2020 1:18:15 AM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/15/2020 10:50:44 PM	51753
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/15/2020 10:50:44 PM	51753
Surr: DNOP	100	55.1-146		%Rec	1	4/15/2020 10:50:44 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/15/2020 1:18:15 AM	51747
Toluene	ND	0.050		mg/Kg	1	4/15/2020 1:18:15 AM	51747
Ethylbenzene	ND	0.050		mg/Kg	1	4/15/2020 1:18:15 AM	51747
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 1:18:15 AM	51747
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	1	4/15/2020 1:18:15 AM	51747
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	4/15/2020 1:18:15 AM	51747
Surr: Dibromofluoromethane	101	70-130		%Rec	1	4/15/2020 1:18:15 AM	51747
Surr: Toluene-d8	95.3	70-130		%Rec	1	4/15/2020 1:18:15 AM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA7 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 1:30:00 PM
Lab ID: 2004552-018 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/15/2020 7:48:18 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/15/2020 1:46:40 AM	51747
Surr: BFB	97.2	70-130		%Rec	1	4/15/2020 1:46:40 AM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/15/2020 11:15:01 PM	51753
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/15/2020 11:15:01 PM	51753
Surr: DNOP	102	55.1-146		%Rec	1	4/15/2020 11:15:01 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/15/2020 1:46:40 AM	51747
Toluene	ND	0.050		mg/Kg	1	4/15/2020 1:46:40 AM	51747
Ethylbenzene	ND	0.050		mg/Kg	1	4/15/2020 1:46:40 AM	51747
Xylenes, Total	ND	0.10		mg/Kg	1	4/15/2020 1:46:40 AM	51747
Surr: 1,2-Dichloroethane-d4	98.0	70-130		%Rec	1	4/15/2020 1:46:40 AM	51747
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	4/15/2020 1:46:40 AM	51747
Surr: Dibromofluoromethane	103	70-130		%Rec	1	4/15/2020 1:46:40 AM	51747
Surr: Toluene-d8	92.6	70-130		%Rec	1	4/15/2020 1:46:40 AM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA8 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 1:55:00 PM
Lab ID: 2004552-019 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/15/2020 8:00:42 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2020 2:15:02 AM	51747
Surr: BFB	97.7	70-130		%Rec	1	4/15/2020 2:15:02 AM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/15/2020 11:39:10 PM	51753
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/15/2020 11:39:10 PM	51753
Surr: DNOP	103	55.1-146		%Rec	1	4/15/2020 11:39:10 PM	51753
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/15/2020 2:15:02 AM	51747
Toluene	ND	0.049		mg/Kg	1	4/15/2020 2:15:02 AM	51747
Ethylbenzene	ND	0.049		mg/Kg	1	4/15/2020 2:15:02 AM	51747
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 2:15:02 AM	51747
Surr: 1,2-Dichloroethane-d4	94.9	70-130		%Rec	1	4/15/2020 2:15:02 AM	51747
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	4/15/2020 2:15:02 AM	51747
Surr: Dibromofluoromethane	102	70-130		%Rec	1	4/15/2020 2:15:02 AM	51747
Surr: Toluene-d8	92.8	70-130		%Rec	1	4/15/2020 2:15:02 AM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA9 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 2:20:00 PM
Lab ID: 2004552-020 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/15/2020 8:13:07 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/15/2020 2:43:23 AM	51747
Surr: BFB	97.4	70-130		%Rec	1	4/15/2020 2:43:23 AM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	46	9.6		mg/Kg	1	4/14/2020 4:18:18 PM	51754
Motor Oil Range Organics (MRO)	80	48		mg/Kg	1	4/14/2020 4:18:18 PM	51754
Surr: DNOP	93.7	55.1-146		%Rec	1	4/14/2020 4:18:18 PM	51754
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/15/2020 2:43:23 AM	51747
Toluene	ND	0.050		mg/Kg	1	4/15/2020 2:43:23 AM	51747
Ethylbenzene	ND	0.050		mg/Kg	1	4/15/2020 2:43:23 AM	51747
Xylenes, Total	ND	0.099		mg/Kg	1	4/15/2020 2:43:23 AM	51747
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	4/15/2020 2:43:23 AM	51747
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	4/15/2020 2:43:23 AM	51747
Surr: Dibromofluoromethane	99.9	70-130		%Rec	1	4/15/2020 2:43:23 AM	51747
Surr: Toluene-d8	93.5	70-130		%Rec	1	4/15/2020 2:43:23 AM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA10 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 2:50:00 PM
Lab ID: 2004552-021 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/15/2020 8:25:31 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/15/2020 3:11:42 AM	51747
Surr: BFB	99.0	70-130		%Rec	1	4/15/2020 3:11:42 AM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	4/14/2020 5:30:01 PM	51754
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/14/2020 5:30:01 PM	51754
Surr: DNOP	103	55.1-146		%Rec	1	4/14/2020 5:30:01 PM	51754
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/15/2020 3:11:42 AM	51747
Toluene	ND	0.050		mg/Kg	1	4/15/2020 3:11:42 AM	51747
Ethylbenzene	ND	0.050		mg/Kg	1	4/15/2020 3:11:42 AM	51747
Xylenes, Total	ND	0.10		mg/Kg	1	4/15/2020 3:11:42 AM	51747
Surr: 1,2-Dichloroethane-d4	96.1	70-130		%Rec	1	4/15/2020 3:11:42 AM	51747
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	4/15/2020 3:11:42 AM	51747
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	4/15/2020 3:11:42 AM	51747
Surr: Toluene-d8	94.0	70-130		%Rec	1	4/15/2020 3:11:42 AM	51747

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

Qualifiers:

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

Analytical Report
Lab Order **2004552**
Date Reported: **4/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: SA11 1Ft
Project: Ross Ranch
Collection Date: 4/8/2020 3:20:00 PM
Lab ID: 2004552-022 **Matrix:** SOIL **Received Date:** 4/11/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/15/2020 8:37:56 PM	51836
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/15/2020 3:40:05 AM	51747
Surr: BFB	100	70-130		%Rec	1	4/15/2020 3:40:05 AM	51747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/14/2020 5:53:56 PM	51754
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/14/2020 5:53:56 PM	51754
Surr: DNOP	110	55.1-146		%Rec	1	4/14/2020 5:53:56 PM	51754
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	4/15/2020 3:40:05 AM	51747
Toluene	ND	0.050		mg/Kg	1	4/15/2020 3:40:05 AM	51747
Ethylbenzene	ND	0.050		mg/Kg	1	4/15/2020 3:40:05 AM	51747
Xylenes, Total	ND	0.10		mg/Kg	1	4/15/2020 3:40:05 AM	51747
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	4/15/2020 3:40:05 AM	51747
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	4/15/2020 3:40:05 AM	51747
Surr: Dibromofluoromethane	99.6	70-130		%Rec	1	4/15/2020 3:40:05 AM	51747
Surr: Toluene-d8	93.5	70-130		%Rec	1	4/15/2020 3:40:05 AM	51747

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004552**

17-Apr-20

Client: Safety & Environmental Solutions

Project: Ross Ranch

Sample ID: **MB-51836** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **51836** RunNo: **68136**

Prep Date: **4/15/2020** Analysis Date: **4/15/2020** SeqNo: **2356639** Units: **mg/Kg**

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

Sample ID: **LCS-51836** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **51836** RunNo: **68136**

Prep Date: **4/15/2020** Analysis Date: **4/15/2020** SeqNo: **2356640** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: **MB-51819** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **51819** RunNo: **68146**

Prep Date: **4/15/2020** Analysis Date: **4/15/2020** SeqNo: **2356712** Units: **mg/Kg**

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

Sample ID: **LCS-51819** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **51819** RunNo: **68146**

Prep Date: **4/15/2020** Analysis Date: **4/15/2020** SeqNo: **2356713** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2004552**
17-Apr-20

Client: Safety & Environmental Solutions
Project: Ross Ranch

Sample ID: **LCS-51753** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **51753** RunNo: **68138**
Prep Date: **4/13/2020** Analysis Date: **4/15/2020** SeqNo: **2355495** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.1	70	130			
Surr: DNOP	4.3		5.000		85.9	55.1	146			

Sample ID: **MB-51753** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **51753** RunNo: **68138**
Prep Date: **4/13/2020** Analysis Date: **4/15/2020** SeqNo: **2355496** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.6		10.00		76.1	55.1	146			

Sample ID: **MB-51754** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **51754** RunNo: **68099**
Prep Date: **4/13/2020** Analysis Date: **4/14/2020** SeqNo: **2355633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		68.7	55.1	146			

Sample ID: **LCS-51754** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **51754** RunNo: **68099**
Prep Date: **4/13/2020** Analysis Date: **4/14/2020** SeqNo: **2355634** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.4	70	130			
Surr: DNOP	4.4		5.000		88.3	55.1	146			

Sample ID: **2004552-020AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA9 1Ft** Batch ID: **51754** RunNo: **68099**
Prep Date: **4/13/2020** Analysis Date: **4/14/2020** SeqNo: **2355636** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	89	9.5	47.66	45.96	90.1	47.4	136			
Surr: DNOP	4.9		4.766		102	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2004552**
17-Apr-20

Client: Safety & Environmental Solutions
Project: Ross Ranch

Sample ID: **2004552-020AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA9 1Ft** Batch ID: **51754** RunNo: **68099**
Prep Date: **4/13/2020** Analysis Date: **4/14/2020** SeqNo: **2355637** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	91	9.2	46.13	45.96	97.5	47.4	136	2.27	43.4	
Surr: DNOP	4.3		4.613		93.7	55.1	146	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2004552**
17-Apr-20

Client: Safety & Environmental Solutions
Project: Ross Ranch

Sample ID: **2004552-012ams** SampType: **MS** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SA1 1Ft** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355174** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9862	0	87.1	70	130			
Toluene	0.96	0.049	0.9862	0	97.0	70	130			
Ethylbenzene	0.96	0.049	0.9862	0	97.2	70	130			
Xylenes, Total	2.9	0.099	2.959	0	99.1	70	130			
Surr: 1,2-Dichloroethane-d4	0.45		0.4931		91.7	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.4931		93.8	70	130			
Surr: Dibromofluoromethane	0.49		0.4931		100	70	130			
Surr: Toluene-d8	0.45		0.4931		91.7	70	130			

Sample ID: **2004552-012amsd** SampType: **MSD** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SA1 1Ft** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355175** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	0.9930	0	83.9	70	130	3.00	20	
Toluene	0.94	0.050	0.9930	0	94.6	70	130	1.82	20	
Ethylbenzene	0.97	0.050	0.9930	0	97.6	70	130	1.06	0	
Xylenes, Total	2.9	0.099	2.979	0	97.5	70	130	0.944	0	
Surr: 1,2-Dichloroethane-d4	0.47		0.4965		94.4	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4965		96.2	70	130	0	0	
Surr: Dibromofluoromethane	0.51		0.4965		102	70	130	0	0	
Surr: Toluene-d8	0.47		0.4965		95.2	70	130	0	0	

Sample ID: **lcs-51747** SampType: **LCS** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355186** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.1	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	102	70	130			
Xylenes, Total	3.1	0.10	3.000	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.2	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.8	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		101	70	130			
Surr: Toluene-d8	0.48		0.5000		96.5	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2004552**
17-Apr-20

Client: Safety & Environmental Solutions
Project: Ross Ranch

Sample ID: **mb-51747** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355187** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.9	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.7	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.48		0.5000		95.7	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2004552**
17-Apr-20

Client: Safety & Environmental Solutions
Project: Ross Ranch

Sample ID: **2004552-013ams** SampType: **MS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **SA2 1Ft** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355208** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.73	0	81.2	70	130			
Surr: BFB	480		494.6		97.9	70	130			

Sample ID: **2004552-013amsd** SampType: **MSD** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **SA2 1Ft** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355209** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.73	0	82.4	70	130	1.52	20	
Surr: BFB	480		494.6		97.2	70	130	0	0	

Sample ID: **lcs-51747** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355219** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.9	70	130			
Surr: BFB	490		500.0		98.5	70	130			

Sample ID: **mb-51747** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **51747** RunNo: **68126**
Prep Date: **4/12/2020** Analysis Date: **4/14/2020** SeqNo: **2355220** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		97.6	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Safety Env Solutions Work Order Number: 2004552 RcptNo: 1

Received By: **Erin Melendrez** 4/11/2020 10:00:00 AM

Completed By: **Erin Melendrez** 4/11/2020 11:09:27 AM

Reviewed By:

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: ENM 4/11/20

Special Handling (if applicable)

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

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good				
2	3.3	Good				

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 Clinton
Hobbs NM 88240

Phone #: 575 397 0510

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

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

Project Name: Ross Ranch

Project #: DEV-19-008

Project Manager:
Bob Allen

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: X2 EDH 4/11/20

Cooler Temp (including CF): 0.9-0.3(CF)=0.6(°C)
3.6-0.3(CF)=3.3°C

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
4-8-20	1100	~~Soil~~ S	SA1 1Ft	1-4oz Jar	Ice	-017	X	X									X
	1120	S	SA2 1Ft			-013		X									X
	1145	S	SA3 1Ft			-014		X									X
	1215	S	SA4 1Ft			-015		X									X
	1240	S	SA5 1Ft			-016		X									X
	1300	S	SA6 1Ft			-017		X									X
	1330	S	SA7 1Ft			-018		X									X
	1355	S	SA8 1Ft			-019		X									X
	1420	S	SA9 1Ft			-020		X									X
	1450	S	SA10 1Ft			-021		X									X
4-8-20	1520	~~Soil~~ S	SA11 1Ft	4oz Jar	ICE	-022	X	X									X

Date	Time	Relinquished by	Received by	Via	Date	Time
4-9-20	1630	Roberto Martinez Jr			4/10	0730
4/10	1900			Courier	4/11/20	1000

Remarks: Bill Directly To Devon

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

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 Clinton
Hobbs NM 88240

Phone #: 575 397 0510

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

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

Project Name: ~~DEV-19-008~~ Ross Ranch

Project #: DEV-19-008

Project Manager: Bob Allen

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 1 (2 ENV 4/11/20)

Cooler Temp (including CF): 0.9-0.3(CF)=0.6(°C) 3.6-0.3(CF)=3.3C

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2004552	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
4-8	1050	S	SA1 Surface	1-4oz Jar	Ice	-001											X
4-8	1110	S	SA2 Surface	1-4oz Jar	Ice	-002											X
4-8	1130	S	SA3 Surface	1-4oz Jar	Ice	-003											X
4-8	1140	S	SA4 Surface	1-4oz Jar	Ice	-004											X
4-8	1235	S	SA5 Surface	1-4oz Jar	Ice	-005											X
4-8	1250	S	SA6 Surface	1-4oz Jar	Ice	-006											X
4-8	1315	S	SA7 Surface	1-4oz Jar	Ice	-007											X
4-8	1340	S	SA8 Surface	1-4oz Ja	Ice	-008											X
4-8	1410	S	SA9 Surface	1-4oz Jar	Ice	-009											X
4-8	1440	S	SA10 Surface	1-4oz Jar	Ice	-010											X
4-8	1510	S	SA11 Surface	1-4oz Jar	Ice	-011											X

Date	Time	Relinquished by	Received by	Via	Date	Time
4-9-20	1630	Roberto Martinez Jr			4/9/20	1630
4/10	1900			Courier	4/11/20	1000

Remarks: Bill Directly To Devon

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 16, 2020

Bob Allen

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

RE: Devon Ross Ranch OrderNo.: 2006424

Dear Bob Allen:

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006424**
Date Reported: **6/16/2020**

CLIENT: Safety & Environmental Solutions
Client Sample ID: Bottom 1ft
Project: Devon Ross Ranch
Collection Date: 6/4/2020 10:35:00 AM
Lab ID: 2006424-001 **Matrix:** SOIL **Received Date:** 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	100	60		mg/Kg	20	6/15/2020 3:44:34 AM	53073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/10/2020 12:38:27 PM	52972
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/10/2020 12:38:27 PM	52972
Surr: DNOP	94.2	55.1-146		%Rec	1	6/10/2020 12:38:27 PM	52972
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/10/2020 2:55:07 PM	52971
Surr: BFB	83.5	66.6-105		%Rec	1	6/10/2020 2:55:07 PM	52971
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	6/10/2020 2:55:07 PM	52971
Toluene	ND	0.046		mg/Kg	1	6/10/2020 2:55:07 PM	52971
Ethylbenzene	ND	0.046		mg/Kg	1	6/10/2020 2:55:07 PM	52971
Xylenes, Total	ND	0.093		mg/Kg	1	6/10/2020 2:55:07 PM	52971
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/10/2020 2:55:07 PM	52971

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

Qualifiers:

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

Analytical Report
Lab Order **2006424**
Date Reported: **6/16/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Bottom 2 1ft
Project: Devon Ross Ranch
Collection Date: 6/4/2020 10:55:00 AM
Lab ID: 2006424-002 **Matrix:** SOIL **Received Date:** 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	6/15/2020 3:56:58 AM	53073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/10/2020 1:08:25 PM	52972
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/10/2020 1:08:25 PM	52972
Surr: DNOP	123	55.1-146		%Rec	1	6/10/2020 1:08:25 PM	52972
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/10/2020 4:29:48 PM	52971
Surr: BFB	82.5	66.6-105		%Rec	1	6/10/2020 4:29:48 PM	52971
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	6/10/2020 4:29:48 PM	52971
Toluene	ND	0.050		mg/Kg	1	6/10/2020 4:29:48 PM	52971
Ethylbenzene	ND	0.050		mg/Kg	1	6/10/2020 4:29:48 PM	52971
Xylenes, Total	ND	0.099		mg/Kg	1	6/10/2020 4:29:48 PM	52971
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/10/2020 4:29:48 PM	52971

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

Qualifiers:

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

Analytical Report
Lab Order **2006424**
Date Reported: **6/16/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: West
Project: Devon Ross Ranch
Collection Date: 6/4/2020 11:20:00 AM
Lab ID: 2006424-003 **Matrix:** SOIL **Received Date:** 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	150	60		mg/Kg	20	6/15/2020 4:09:23 AM	53073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/10/2020 1:18:28 PM	52972
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/10/2020 1:18:28 PM	52972
Surr: DNOP	117	55.1-146		%Rec	1	6/10/2020 1:18:28 PM	52972
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2020 4:53:17 PM	52971
Surr: BFB	83.7	66.6-105		%Rec	1	6/10/2020 4:53:17 PM	52971
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	6/10/2020 4:53:17 PM	52971
Toluene	ND	0.048		mg/Kg	1	6/10/2020 4:53:17 PM	52971
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2020 4:53:17 PM	52971
Xylenes, Total	ND	0.095		mg/Kg	1	6/10/2020 4:53:17 PM	52971
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/10/2020 4:53:17 PM	52971

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

Qualifiers:

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

Analytical Report
Lab Order **2006424**
Date Reported: **6/16/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: South
Project: Devon Ross Ranch
Collection Date: 6/4/2020 11:50:00 AM
Lab ID: 2006424-004 **Matrix:** SOIL **Received Date:** 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	150	60		mg/Kg	20	6/15/2020 9:48:06 AM	53078
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/12/2020 8:39:54 AM	53019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/12/2020 8:39:54 AM	53019
Surr: DNOP	113	55.1-146		%Rec	1	6/12/2020 8:39:54 AM	53019
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/10/2020 5:16:49 PM	52971
Surr: BFB	82.4	66.6-105		%Rec	1	6/10/2020 5:16:49 PM	52971
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	6/10/2020 5:16:49 PM	52971
Toluene	ND	0.049		mg/Kg	1	6/10/2020 5:16:49 PM	52971
Ethylbenzene	ND	0.049		mg/Kg	1	6/10/2020 5:16:49 PM	52971
Xylenes, Total	ND	0.099		mg/Kg	1	6/10/2020 5:16:49 PM	52971
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/10/2020 5:16:49 PM	52971

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

Qualifiers:

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

Analytical Report
Lab Order **2006424**
Date Reported: **6/16/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: North
Project: Devon Ross Ranch
Collection Date: 6/4/2020 1:20:00 PM
Lab ID: 2006424-005 **Matrix:** SOIL **Received Date:** 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	210	60		mg/Kg	20	6/15/2020 10:00:31 AM	53078
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/12/2020 9:09:17 AM	53019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/12/2020 9:09:17 AM	53019
Surr: DNOP	116	55.1-146		%Rec	1	6/12/2020 9:09:17 AM	53019
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2020 5:40:21 PM	52971
Surr: BFB	84.5	66.6-105		%Rec	1	6/10/2020 5:40:21 PM	52971
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	6/10/2020 5:40:21 PM	52971
Toluene	ND	0.048		mg/Kg	1	6/10/2020 5:40:21 PM	52971
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2020 5:40:21 PM	52971
Xylenes, Total	ND	0.096		mg/Kg	1	6/10/2020 5:40:21 PM	52971
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/10/2020 5:40:21 PM	52971

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

Qualifiers:

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

Analytical Report
Lab Order **2006424**
Date Reported: **6/16/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: East
Project: Devon Ross Ranch
Collection Date: 6/4/2020 2:20:00 PM
Lab ID: 2006424-006 **Matrix:** SOIL **Received Date:** 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	210	60		mg/Kg	20	6/15/2020 10:12:55 AM	53078
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/12/2020 9:19:09 AM	53019
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/12/2020 9:19:09 AM	53019
Surr: DNOP	88.9	55.1-146		%Rec	1	6/12/2020 9:19:09 AM	53019
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/10/2020 6:03:52 PM	52971
Surr: BFB	83.7	66.6-105		%Rec	1	6/10/2020 6:03:52 PM	52971
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	6/10/2020 6:03:52 PM	52971
Toluene	ND	0.049		mg/Kg	1	6/10/2020 6:03:52 PM	52971
Ethylbenzene	ND	0.049		mg/Kg	1	6/10/2020 6:03:52 PM	52971
Xylenes, Total	ND	0.098		mg/Kg	1	6/10/2020 6:03:52 PM	52971
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/10/2020 6:03:52 PM	52971

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006424**

16-Jun-20

Client: Safety & Environmental Solutions

Project: Devon Ross Ranch

Sample ID: **MB-53073** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **53073** RunNo: **69641**

Prep Date: **6/14/2020** Analysis Date: **6/14/2020** SeqNo: **2417494** Units: **mg/Kg**

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

Sample ID: **LCS-53073** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **53073** RunNo: **69641**

Prep Date: **6/14/2020** Analysis Date: **6/14/2020** SeqNo: **2417495** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Sample ID: **MB-53078** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **53078** RunNo: **69667**

Prep Date: **6/15/2020** Analysis Date: **6/15/2020** SeqNo: **2418561** Units: **mg/Kg**

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

Sample ID: **LCS-53078** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **53078** RunNo: **69667**

Prep Date: **6/15/2020** Analysis Date: **6/15/2020** SeqNo: **2418562** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006424**
16-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch

Sample ID: **MB-52972**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **52972**	RunNo: **69523**
Prep Date: **6/9/2020**	Analysis Date: **6/10/2020**	SeqNo: **2413124** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	55.1	146			

Sample ID: **LCS-52972**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **52972**	RunNo: **69523**
Prep Date: **6/9/2020**	Analysis Date: **6/10/2020**	SeqNo: **2413125** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	5.2		5.000		103	55.1	146			

Sample ID: **2006424-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Bottom 1ft**	Batch ID: **52972**	RunNo: **69523**
Prep Date: **6/9/2020**	Analysis Date: **6/10/2020**	SeqNo: **2413539** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.6	47.76	0	90.3	47.4	136			
Surr: DNOP	4.2		4.776		87.8	55.1	146			

Sample ID: **2006424-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Bottom 1ft**	Batch ID: **52972**	RunNo: **69523**
Prep Date: **6/9/2020**	Analysis Date: **6/10/2020**	SeqNo: **2413540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	46.77	0	90.5	47.4	136	1.81	43.4	
Surr: DNOP	4.5		4.677		96.4	55.1	146	0	0	

Sample ID: **2006424-004AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **South**	Batch ID: **53019**	RunNo: **69585**
Prep Date: **6/11/2020**	Analysis Date: **6/12/2020**	SeqNo: **2415646** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.7	48.73	0	113	47.4	136			
Surr: DNOP	5.9		4.873		122	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006424**
16-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch

Sample ID: **2006424-004AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **South** Batch ID: **53019** RunNo: **69585**
Prep Date: **6/11/2020** Analysis Date: **6/12/2020** SeqNo: **2415647** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.6	48.17	0	91.6	47.4	136	22.4	43.4	
Surr: DNOP	4.7		4.817		98.3	55.1	146	0	0	

Sample ID: **LCS-53019** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53019** RunNo: **69585**
Prep Date: **6/11/2020** Analysis Date: **6/12/2020** SeqNo: **2415665** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	5.2		5.000		104	55.1	146			

Sample ID: **MB-53019** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53019** RunNo: **69585**
Prep Date: **6/11/2020** Analysis Date: **6/12/2020** SeqNo: **2415666** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		127	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006424**
16-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch

Sample ID: **mb-52971** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **52971** RunNo: **69544**
Prep Date: **6/9/2020** Analysis Date: **6/10/2020** SeqNo: **2413782** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	800		1000		79.8	66.6	105			

Sample ID: **lcs-52971** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **52971** RunNo: **69544**
Prep Date: **6/9/2020** Analysis Date: **6/10/2020** SeqNo: **2413783** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.2	80	120			
Surr: BFB	930		1000		93.5	66.6	105			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006424**
16-Jun-20

Client: Safety & Environmental Solutions
Project: Devon Ross Ranch

Sample ID: **mb-52971** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **52971** RunNo: **69544**
Prep Date: **6/9/2020** Analysis Date: **6/10/2020** SeqNo: **2413808** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	80	120			

Sample ID: **LCS-52971** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **52971** RunNo: **69544**
Prep Date: **6/9/2020** Analysis Date: **6/10/2020** SeqNo: **2413809** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.9	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Safety Env Solutions** Work Order Number: **2006424** RcptNo: **1**

Received By: **Isaiah Ortiz** **6/9/2020 9:30:00 AM** I-Ox

Completed By: **Isaiah Ortiz** **6/9/2020 9:39:33 AM** I-Ox

Reviewed By: DAD 6/9/20

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: 6/9/20 (<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Not Present			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 203 E. Clinton Hobbs N.M 88240

Phone #: 575-397-0510

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

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

Project Name: Devon Ross Ranch

Project #: DEV-19-009

Project Manager: Allen, Bob

Sampler: Son Jay

On Ice: ☑ Yes ☐ No

# of Coolers:

Cooler Temp(including CF): 1.9 + 0.1 = 1.7 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2006424
06/04	1035	S	Bottom 1 ft	1	Ice	-001
06/04	1055	S	Bottom 2 ft	1		-002
06/04	1120	S	West	1		-003
06/04	1150	S	South	1		-004
06/04	1320	S	North	1		-005
06/04	1420	S	East	1		-006

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
06/08	800	Son Jay			6/8/20	1200
6/8/20	1900			courier	6/9/20	0930

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

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
X	X								X	X
X	X								X	X

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 08, 2023

Bob Allen

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

RE: DEV 19 008 OrderNo.: 2308D09

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 18 sample(s) on 8/24/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS1-Surface
Project: DEV 19 008
Collection Date: 8/21/2023 11:45:00 AM
Lab ID: 2308D09-001 **Matrix:** SOIL
Received Date: 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/29/2023 10:32:51 PM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	12	9.2		mg/Kg	1	8/30/2023 1:05:05 AM	77157
Motor Oil Range Organics (MRO)	53	46		mg/Kg	1	8/30/2023 1:05:05 AM	77157
Surr: DNOP	86.6	69-147		%Rec	1	8/30/2023 1:05:05 AM	77157
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/31/2023 10:46:00 PM	77152
Surr: BFB	99.3	15-244		%Rec	1	8/31/2023 10:46:00 PM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	0.033	0.024		mg/Kg	1	8/31/2023 10:46:00 PM	77152
Toluene	0.075	0.047		mg/Kg	1	8/31/2023 10:46:00 PM	77152
Ethylbenzene	ND	0.047		mg/Kg	1	8/31/2023 10:46:00 PM	77152
Xylenes, Total	ND	0.094		mg/Kg	1	8/31/2023 10:46:00 PM	77152
Surr: 4-Bromofluorobenzene	90.0	39.1-146		%Rec	1	8/31/2023 10:46:00 PM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS1-1'
Project: DEV 19 008
Collection Date: 8/21/2023 11:45:00 AM
Lab ID: 2308D09-002 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/29/2023 11:10:05 PM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/30/2023 1:16:11 AM	77157
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2023 1:16:11 AM	77157
Surr: DNOP	85.4	69-147		%Rec	1	8/30/2023 1:16:11 AM	77157
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2023 11:30:00 PM	77152
Surr: BFB	95.7	15-244		%Rec	1	8/31/2023 11:30:00 PM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	8/31/2023 11:30:00 PM	77152
Toluene	ND	0.049		mg/Kg	1	8/31/2023 11:30:00 PM	77152
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2023 11:30:00 PM	77152
Xylenes, Total	ND	0.098		mg/Kg	1	8/31/2023 11:30:00 PM	77152
Surr: 4-Bromofluorobenzene	89.5	39.1-146		%Rec	1	8/31/2023 11:30:00 PM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS1-2'
Project: DEV 19 008
Collection Date: 8/21/2023 11:45:00 AM
Lab ID: 2308D09-003 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/29/2023 11:22:30 PM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/29/2023 3:29:37 PM	77158
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/29/2023 3:29:37 PM	77158
Surr: DNOP	75.4	69-147		%Rec	1	8/29/2023 3:29:37 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/31/2023 11:51:00 PM	77152
Surr: BFB	95.9	15-244		%Rec	1	8/31/2023 11:51:00 PM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	8/31/2023 11:51:00 PM	77152
Toluene	ND	0.048		mg/Kg	1	8/31/2023 11:51:00 PM	77152
Ethylbenzene	ND	0.048		mg/Kg	1	8/31/2023 11:51:00 PM	77152
Xylenes, Total	ND	0.096		mg/Kg	1	8/31/2023 11:51:00 PM	77152
Surr: 4-Bromofluorobenzene	90.1	39.1-146		%Rec	1	8/31/2023 11:51:00 PM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS2-Surface
Project: DEV 19 008
Collection Date: 8/21/2023 12:00:00 PM
Lab ID: 2308D09-004 **Matrix:** SOIL
Received Date: 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/29/2023 11:34:54 PM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/29/2023 4:02:10 PM	77158
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/29/2023 4:02:10 PM	77158
Surr: DNOP	74.7	69-147		%Rec	1	8/29/2023 4:02:10 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/1/2023 12:35:00 AM	77152
Surr: BFB	99.4	15-244		%Rec	1	9/1/2023 12:35:00 AM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 12:35:00 AM	77152
Toluene	ND	0.047		mg/Kg	1	9/1/2023 12:35:00 AM	77152
Ethylbenzene	ND	0.047		mg/Kg	1	9/1/2023 12:35:00 AM	77152
Xylenes, Total	ND	0.095		mg/Kg	1	9/1/2023 12:35:00 AM	77152
Surr: 4-Bromofluorobenzene	87.2	39.1-146		%Rec	1	9/1/2023 12:35:00 AM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS2-1'
Project: DEV 19 008
Collection Date: 8/21/2023 12:00:00 PM
Lab ID: 2308D09-005 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/29/2023 11:47:18 PM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/29/2023 4:12:59 PM	77158
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/29/2023 4:12:59 PM	77158
Surr: DNOP	78.1	69-147		%Rec	1	8/29/2023 4:12:59 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/1/2023 12:56:00 AM	77152
Surr: BFB	97.4	15-244		%Rec	1	9/1/2023 12:56:00 AM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 12:56:00 AM	77152
Toluene	ND	0.048		mg/Kg	1	9/1/2023 12:56:00 AM	77152
Ethylbenzene	ND	0.048		mg/Kg	1	9/1/2023 12:56:00 AM	77152
Xylenes, Total	ND	0.096		mg/Kg	1	9/1/2023 12:56:00 AM	77152
Surr: 4-Bromofluorobenzene	89.2	39.1-146		%Rec	1	9/1/2023 12:56:00 AM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS2-2'
Project: DEV 19 008
Collection Date: 8/21/2023 12:00:00 PM
Lab ID: 2308D09-006 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/29/2023 11:59:43 PM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/29/2023 4:23:50 PM	77158
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/29/2023 4:23:50 PM	77158
Surr: DNOP	76.4	69-147		%Rec	1	8/29/2023 4:23:50 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2023 1:18:00 AM	77152
Surr: BFB	98.1	15-244		%Rec	1	9/1/2023 1:18:00 AM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	9/1/2023 1:18:00 AM	77152
Toluene	ND	0.049		mg/Kg	1	9/1/2023 1:18:00 AM	77152
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2023 1:18:00 AM	77152
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2023 1:18:00 AM	77152
Surr: 4-Bromofluorobenzene	90.6	39.1-146		%Rec	1	9/1/2023 1:18:00 AM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS3-Surface
Project: DEV 19 008
Collection Date: 8/21/2023 12:15:00 PM
Lab ID: 2308D09-007 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 12:12:08 AM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/29/2023 4:34:40 PM	77158
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/29/2023 4:34:40 PM	77158
Surr: DNOP	82.6	69-147		%Rec	1	8/29/2023 4:34:40 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2023 1:40:00 AM	77152
Surr: BFB	97.2	15-244		%Rec	1	9/1/2023 1:40:00 AM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	9/1/2023 1:40:00 AM	77152
Toluene	ND	0.050		mg/Kg	1	9/1/2023 1:40:00 AM	77152
Ethylbenzene	ND	0.050		mg/Kg	1	9/1/2023 1:40:00 AM	77152
Xylenes, Total	ND	0.10		mg/Kg	1	9/1/2023 1:40:00 AM	77152
Surr: 4-Bromofluorobenzene	91.3	39.1-146		%Rec	1	9/1/2023 1:40:00 AM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS3-1'
Project: DEV 19 008
Collection Date: 8/21/2023 12:15:00 PM
Lab ID: 2308D09-008 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 12:24:32 AM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/29/2023 4:45:29 PM	77158
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/29/2023 4:45:29 PM	77158
Surr: DNOP	72.6	69-147		%Rec	1	8/29/2023 4:45:29 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2023 2:02:00 AM	77152
Surr: BFB	97.9	15-244		%Rec	1	9/1/2023 2:02:00 AM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	9/1/2023 2:02:00 AM	77152
Toluene	ND	0.049		mg/Kg	1	9/1/2023 2:02:00 AM	77152
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2023 2:02:00 AM	77152
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2023 2:02:00 AM	77152
Surr: 4-Bromofluorobenzene	90.4	39.1-146		%Rec	1	9/1/2023 2:02:00 AM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS3-2'
Project: DEV 19 008
Collection Date: 8/21/2023 12:15:00 PM
Lab ID: 2308D09-009 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	170	60		mg/Kg	20	8/30/2023 12:36:56 AM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/29/2023 4:56:17 PM	77158
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/29/2023 4:56:17 PM	77158
Surr: DNOP	75.7	69-147		%Rec	1	8/29/2023 4:56:17 PM	77158
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2023 2:23:00 AM	77152
Surr: BFB	96.7	15-244		%Rec	1	9/1/2023 2:23:00 AM	77152
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 2:23:00 AM	77152
Toluene	ND	0.049		mg/Kg	1	9/1/2023 2:23:00 AM	77152
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2023 2:23:00 AM	77152
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2023 2:23:00 AM	77152
Surr: 4-Bromofluorobenzene	91.7	39.1-146		%Rec	1	9/1/2023 2:23:00 AM	77152

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS4-Surface
Project: DEV 19 008
Collection Date: 8/21/2023 12:30:00 PM
Lab ID: 2308D09-010 **Matrix:** SOIL
Received Date: 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 12:49:21 AM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/30/2023 2:00:07 AM	77167
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/30/2023 2:00:07 AM	77167
Surr: DNOP	94.3	69-147		%Rec	1	8/30/2023 2:00:07 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/1/2023 3:50:00 AM	77164
Surr: BFB	92.0	15-244		%Rec	1	9/1/2023 3:50:00 AM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 3:50:00 AM	77164
Toluene	0.091	0.047		mg/Kg	1	9/1/2023 3:50:00 AM	77164
Ethylbenzene	ND	0.047		mg/Kg	1	9/1/2023 3:50:00 AM	77164
Xylenes, Total	ND	0.094		mg/Kg	1	9/1/2023 3:50:00 AM	77164
Surr: 4-Bromofluorobenzene	88.1	39.1-146		%Rec	1	9/1/2023 3:50:00 AM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS4-1'
Project: DEV 19 008
Collection Date: 8/21/2023 12:30:00 PM
Lab ID: 2308D09-011 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 1:01:45 AM	77178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/30/2023 2:33:07 AM	77167
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2023 2:33:07 AM	77167
Surr: DNOP	94.7	69-147		%Rec	1	8/30/2023 2:33:07 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2023 4:55:00 AM	77164
Surr: BFB	99.0	15-244		%Rec	1	9/1/2023 4:55:00 AM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 4:55:00 AM	77164
Toluene	ND	0.049		mg/Kg	1	9/1/2023 4:55:00 AM	77164
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2023 4:55:00 AM	77164
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2023 4:55:00 AM	77164
Surr: 4-Bromofluorobenzene	93.9	39.1-146		%Rec	1	9/1/2023 4:55:00 AM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS4-2'
Project: DEV 19 008
Collection Date: 8/21/2023 12:30:00 PM
Lab ID: 2308D09-012 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	60	60		mg/Kg	20	8/30/2023 10:26:32 AM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/30/2023 2:44:02 AM	77167
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/30/2023 2:44:02 AM	77167
Surr: DNOP	101	69-147		%Rec	1	8/30/2023 2:44:02 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2023 6:00:00 AM	77164
Surr: BFB	92.1	15-244		%Rec	1	9/1/2023 6:00:00 AM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	9/1/2023 6:00:00 AM	77164
Toluene	ND	0.050		mg/Kg	1	9/1/2023 6:00:00 AM	77164
Ethylbenzene	ND	0.050		mg/Kg	1	9/1/2023 6:00:00 AM	77164
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2023 6:00:00 AM	77164
Surr: 4-Bromofluorobenzene	89.5	39.1-146		%Rec	1	9/1/2023 6:00:00 AM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS5-Surface
Project: DEV 19 008
Collection Date: 8/21/2023 12:45:00 PM
Lab ID: 2308D09-013 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 11:03:46 AM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/30/2023 2:54:59 AM	77167
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2023 2:54:59 AM	77167
Surr: DNOP	96.2	69-147		%Rec	1	8/30/2023 2:54:59 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/1/2023 6:22:00 AM	77164
Surr: BFB	96.6	15-244		%Rec	1	9/1/2023 6:22:00 AM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 6:22:00 AM	77164
Toluene	0.060	0.048		mg/Kg	1	9/1/2023 6:22:00 AM	77164
Ethylbenzene	ND	0.048		mg/Kg	1	9/1/2023 6:22:00 AM	77164
Xylenes, Total	ND	0.095		mg/Kg	1	9/1/2023 6:22:00 AM	77164
Surr: 4-Bromofluorobenzene	88.8	39.1-146		%Rec	1	9/1/2023 6:22:00 AM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS5-1'
Project: DEV 19 008
Collection Date: 8/21/2023 12:45:00 PM
Lab ID: 2308D09-014 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 11:16:11 AM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/30/2023 3:05:51 AM	77167
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2023 3:05:51 AM	77167
Surr: DNOP	95.3	69-147		%Rec	1	8/30/2023 3:05:51 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2023 6:51:00 PM	77164
Surr: BFB	97.3	15-244		%Rec	1	9/1/2023 6:51:00 PM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 6:51:00 PM	77164
Toluene	ND	0.049		mg/Kg	1	9/1/2023 6:51:00 PM	77164
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2023 6:51:00 PM	77164
Xylenes, Total	ND	0.097		mg/Kg	1	9/1/2023 6:51:00 PM	77164
Surr: 4-Bromofluorobenzene	90.8	39.1-146		%Rec	1	9/1/2023 6:51:00 PM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS5-2'
Project: DEV 19 008
Collection Date: 8/21/2023 12:45:00 PM
Lab ID: 2308D09-015 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 12:18:14 PM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/30/2023 3:16:41 AM	77167
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/30/2023 3:16:41 AM	77167
Surr: DNOP	85.4	69-147		%Rec	1	8/30/2023 3:16:41 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/1/2023 7:13:00 PM	77164
Surr: BFB	97.9	15-244		%Rec	1	9/1/2023 7:13:00 PM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	9/1/2023 7:13:00 PM	77164
Toluene	ND	0.047		mg/Kg	1	9/1/2023 7:13:00 PM	77164
Ethylbenzene	ND	0.047		mg/Kg	1	9/1/2023 7:13:00 PM	77164
Xylenes, Total	ND	0.094		mg/Kg	1	9/1/2023 7:13:00 PM	77164
Surr: 4-Bromofluorobenzene	91.2	39.1-146		%Rec	1	9/1/2023 7:13:00 PM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS6-Surface
Project: DEV 19 008
Collection Date: 8/21/2023 1:00:00 PM
Lab ID: 2308D09-016 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	61		mg/Kg	20	8/30/2023 12:30:39 PM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/30/2023 3:27:28 AM	77167
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/30/2023 3:27:28 AM	77167
Surr: DNOP	97.0	69-147		%Rec	1	8/30/2023 3:27:28 AM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/1/2023 7:35:00 PM	77164
Surr: BFB	97.2	15-244		%Rec	1	9/1/2023 7:35:00 PM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	0.035	0.024		mg/Kg	1	9/1/2023 7:35:00 PM	77164
Toluene	0.083	0.048		mg/Kg	1	9/1/2023 7:35:00 PM	77164
Ethylbenzene	ND	0.048		mg/Kg	1	9/1/2023 7:35:00 PM	77164
Xylenes, Total	ND	0.097		mg/Kg	1	9/1/2023 7:35:00 PM	77164
Surr: 4-Bromofluorobenzene	90.6	39.1-146		%Rec	1	9/1/2023 7:35:00 PM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS6-1'
Project: DEV 19 008
Collection Date: 8/21/2023 1:00:00 PM
Lab ID: 2308D09-017 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 12:43:04 PM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/31/2023 3:12:39 PM	77167
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/31/2023 3:12:39 PM	77167
Surr: DNOP	113	69-147		%Rec	1	8/31/2023 3:12:39 PM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2023 7:57:00 PM	77164
Surr: BFB	96.7	15-244		%Rec	1	9/1/2023 7:57:00 PM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	9/1/2023 7:57:00 PM	77164
Toluene	ND	0.049		mg/Kg	1	9/1/2023 7:57:00 PM	77164
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2023 7:57:00 PM	77164
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2023 7:57:00 PM	77164
Surr: 4-Bromofluorobenzene	91.2	39.1-146		%Rec	1	9/1/2023 7:57:00 PM	77164

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

Qualifiers:

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

Analytical Report
Lab Order **2308D09**
Date Reported: **9/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: CS6-2'
Project: DEV 19 008
Collection Date: 8/21/2023 1:00:00 PM
Lab ID: 2308D09-018 **Matrix:** SOIL **Received Date:** 8/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	8/30/2023 12:55:28 PM	77188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/31/2023 3:38:20 PM	77167
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2023 3:38:20 PM	77167
Surr: DNOP	116	69-147		%Rec	1	8/31/2023 3:38:20 PM	77167
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/1/2023 8:41:00 PM	77164
Surr: BFB	96.6	15-244		%Rec	1	9/1/2023 8:41:00 PM	77164
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.023		mg/Kg	1	9/1/2023 8:41:00 PM	77164
Toluene	ND	0.046		mg/Kg	1	9/1/2023 8:41:00 PM	77164
Ethylbenzene	ND	0.046		mg/Kg	1	9/1/2023 8:41:00 PM	77164
Xylenes, Total	ND	0.093		mg/Kg	1	9/1/2023 8:41:00 PM	77164
Surr: 4-Bromofluorobenzene	89.9	39.1-146		%Rec	1	9/1/2023 8:41:00 PM	77164

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **MB-77178**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **77178**	RunNo: **99333**							
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3624331**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77178**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **77178**	RunNo: **99333**							
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3624333**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.8	90	110			

Sample ID: **MB-77188**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **77188**	RunNo: **99351**							
Prep Date: **8/30/2023**	Analysis Date: **8/30/2023**	SeqNo: **3626391**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77188**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **77188**	RunNo: **99351**							
Prep Date: **8/30/2023**	Analysis Date: **8/30/2023**	SeqNo: **3626392**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **2308D09-003AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **CS1-2'**	Batch ID: **77158**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3623842** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.9	49.26	0	97.0	54.2	135			
Surr: DNOP	4.0		4.926		81.0	69	147			

Sample ID: **2308D09-003AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **CS1-2'**	Batch ID: **77158**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3623843** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.8	48.92	0	95.4	54.2	135	2.29	29.2	
Surr: DNOP	4.0		4.892		81.1	69	147	0	0	

Sample ID: **2308D09-010AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **CS4-Surface**	Batch ID: **77167**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/30/2023**	SeqNo: **3623851** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.5	47.71	0	94.6	54.2	135			
Surr: DNOP	3.8		4.771		78.9	69	147			

Sample ID: **2308D09-010AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **CS4-Surface**	Batch ID: **77167**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/30/2023**	SeqNo: **3623852** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.9	49.26	0	97.2	54.2	135	5.84	29.2	
Surr: DNOP	4.0		4.926		80.3	69	147	0	0	

Sample ID: **LCS-77158**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77158**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3623886** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.5	61.9	130			
Surr: DNOP	3.9		5.000		78.6	69	147			

Sample ID: **LCS-77167**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77167**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/30/2023**	SeqNo: **3623887** Units: **mg/Kg**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **LCS-77167**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77167**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/30/2023**	SeqNo: **3623887** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	61.9	130			
Surr: DNOP	4.0		5.000		79.2	69	147			

Sample ID: **MB-77157**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77157**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3623888** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	69	147			

Sample ID: **MB-77158**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77158**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/29/2023**	SeqNo: **3623889** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		76.6	69	147			

Sample ID: **MB-77167**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77167**	RunNo: **99274**
Prep Date: **8/29/2023**	Analysis Date: **8/30/2023**	SeqNo: **3623890** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	69	147			

Sample ID: **LCS-77157**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77157**	RunNo: **99363**
Prep Date: **8/29/2023**	Analysis Date: **8/31/2023**	SeqNo: **3625852** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	109	61.9	130			
Surr: DNOP	5.1		5.000		101	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **lcs-77152**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77152**	RunNo: **99356**
Prep Date: **8/28/2023**	Analysis Date: **8/31/2023**	SeqNo: **3626269** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.3	70	130			
Surr: BFB	2100		1000		206	15	244			

Sample ID: **mb-77152**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77152**	RunNo: **99356**
Prep Date: **8/28/2023**	Analysis Date: **8/31/2023**	SeqNo: **3626270** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	15	244			

Sample ID: **lcs-77164**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628001** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.8	70	130			
Surr: BFB	2000		1000		198	15	244			

Sample ID: **mb-77164**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628002** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	15	244			

Sample ID: **2308D09-010ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **CS4-Surface**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628004** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.61	0	87.7	70	130			
Surr: BFB	1900		944.3		200	15	244			

Sample ID: **2308D09-010amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **CS4-Surface**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628005** Units: **mg/Kg**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **2308D09-010amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **CS4-Surface**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628005** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.7	23.56	0	85.0	70	130	3.25	20	
Surr: BFB	1900		942.5		203	15	244	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **lcs-77152**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77152**	RunNo: **99356**
Prep Date: **8/28/2023**	Analysis Date: **8/31/2023**	SeqNo: **3626271** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.5	70	130			
Toluene	0.92	0.050	1.000	0	92.1	70	130			
Ethylbenzene	0.94	0.050	1.000	0	94.0	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.1	70	130			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	39.1	146			

Sample ID: **mb-77152**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77152**	RunNo: **99356**
Prep Date: **8/28/2023**	Analysis Date: **8/31/2023**	SeqNo: **3626272** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		90.7	39.1	146			

Sample ID: **lcs-77164**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628033** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.7	70	130			
Toluene	0.90	0.050	1.000	0	90.3	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.2	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.2	70	130			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	39.1	146			

Sample ID: **mb-77164**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628034** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.5	39.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D09**

08-Sep-23

Client: Safety & Environmental Solutions

Project: DEV 19 008

Sample ID: **2308D09-011ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **CS4-1'**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628037** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9756	0	90.3	70	130			
Toluene	0.89	0.049	0.9756	0	91.6	70	130			
Ethylbenzene	0.91	0.049	0.9756	0	92.8	70	130			
Xylenes, Total	2.7	0.098	2.927	0	92.7	70	130			
Surr: 4-Bromofluorobenzene	0.90		0.9756		92.4	39.1	146			

Sample ID: **2308D09-011amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **CS4-1'**	Batch ID: **77164**	RunNo: **99374**
Prep Date: **8/29/2023**	Analysis Date: **9/1/2023**	SeqNo: **3628038** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.024	0.9737	0	87.3	70	130	3.50	20	
Toluene	0.85	0.049	0.9737	0	87.3	70	130	5.00	20	
Ethylbenzene	0.87	0.049	0.9737	0	89.0	70	130	4.41	20	
Xylenes, Total	2.6	0.097	2.921	0	89.1	70	130	4.21	20	
Surr: 4-Bromofluorobenzene	0.88		0.9737		90.4	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical 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 Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Safety & Environmental Solutions | Work Order Number: 2308D09 | RcptNo: 1

Received By: Tracy Casarrubias 8/24/2023 7:25:00 AM

Completed By: Tracy Casarrubias 8/24/2023 9:26:49 AM

Reviewed By: JM 8-24-23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: SCM 8/24/23

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

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

Chain-of-Custody Record

Client: Safety & Environmental Solutions Inc.

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

Phone #: 575-397-0510

email or Fax#: ballen@sesi-nm.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☑ Rush 5 Days

Project Name: DEV-19-008

Project #: nAB1633303401 (2RP-4009)

Project Manager: Bob Allen

Sampler: Hayden Able

On Ice: ☒ Yes ☐ No 4091

# of Coolers: 1

Cooler Temp(Including CF): 4.8 - 0 = 4.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2308D09	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8/21/23	11:45	S	CS1 - Surface	4oz Jar 1	ICE	001	X	X					X			
8/21/23	11:45	S	CS1 - 1'	4oz Jar 1	ICE	002	X	X					X			
8/21/23	11:45	S	CS1 - 2'	4oz Jar 1	ICE	003	X	X					X			
8/21/23	12:00	S	CS2 - Surface	4oz Jar 1	ICE	004	X	X					X			
8/21/23	12:00	S	CS2 - 1'	4oz Jar 1	ICE	005	X	X					X			
8/21/23	12:00	S	CS2 - 2'	4oz Jar 1	ICE	006	X	X					X			
8/21/23	12:15	S	CS3 - Surface	4oz Jar 1	ICE	007	X	X					X			
8/21/23	12:15	S	CS3 - 1'	4oz Jar 1	ICE	008	X	X					X			
8/21/23	12:15	S	CS3 - 2'	4oz Jar 1	ICE	009	X	X					X			
8/21/23	12:30	S	CS4 - Surface	4oz Jar 1	ICE	010	X	X					X			
8/21/23	12:30	S	CS4 - 1'	4oz Jar 1	ICE	011	X	X					X			
8/21/23	12:30	S	CS4 - 2'	4oz Jar 1	ICE	012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/22/23	10:45	Hayden Able			8/22/23	1045
8/23/23	1900			courier	8/24/23	7:25

Remarks: Bill Devon Directly

Chain-of-Custody Record

Client: Safety & Environmental Solutions Inc.

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

Phone #: 575-397-0510

email or Fax#: ballen@sesi-nm.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☒ Rush 5 Days

Project Name: DEV-19-008

Project #: nAB1633634O1(2RP-4009)

Project Manager: Bob Allen

Sampler:

On Ice: ☒ Yes ☐ No Yogi

# of Coolers: 1

Cooler Temp(Including CF): 4.8 - 0 = 4.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2308D09	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8/21/23	12:45	S	CS5-Surface	4oz Jar	ICE	013	X	X					X			
8/21/23	12:45	S	CS5-1'	4oz Jar	ICE	014	X	X					X			
8/21/23	12:45	S	CS5-2'	4oz Jar	ICE	015	X	X					X			
8/21/23	13:00	S	CS6-Surface	4oz Jar	ICE	016	X	X					X			
8/21/23	13:00	S	CS6-1'	4oz Jar	ICE	017	X	X					X			
8/21/23	13:00	S	CS6-2'	4oz Jar	ICE	018	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/22/23	10:45	Hayden Able			8/23/23	1045
8/23/23	1900			courier	8/24/23	7:25

Remarks: Bill Devon Directly

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

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

Site Assessment/Characterization

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

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

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

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

- ■ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ■ Data table of soil contaminant concentration data
- ■ Depth to water determination
- ■ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ■ Photographs including date and GIS information
- ■ Topographic/Aerial maps
- ■ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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

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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Date:

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

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

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ■ Detailed description of proposed remediation technique
- ■ Scaled sitemap with GPS coordinates showing delineation points
- ■ Estimated volume of material to be remediated
- ■ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ■ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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

Closure

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

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

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

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 282487

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 282487
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/6/2023