APPENDIX C SAMPLING PROTOCOL



Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for analysis. A total of twenty-six (26) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

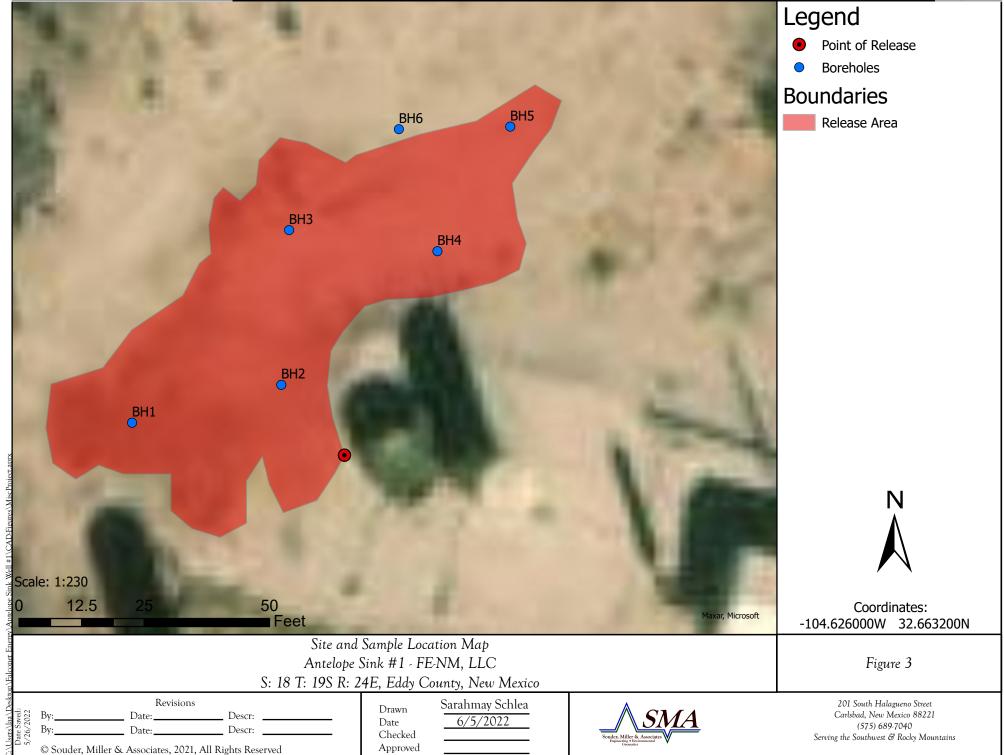
Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

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District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

(-					
Responsible Party FE-NM, LLC				OGRID	331102
Contact Name Karen Charles		Contact Te	elephone 903-581-4382		
Contact ema	il kcharles	@faulenergy.com		Incident #	(assigned by OCD) nKMW035542428
Contact mail	ing address	PO Box 7995, Ty	ler, TX 75711		
				of Release So	ource
Latitude	32.66316		(NAD 83 in de	Longitude _ cimal degrees to 5 decim	-104.62593 nal places)
Site Name A	ntelope Sink	C Unit #001		Site Type	Gas Well
Date Release				API# (if app	licable) 30-015-10041
Unit Letter	Section	Township	Range	Coun	ty
G	18	19S	24E	Eddy	
Surface Owner: X State Federal Tribal Private (Name: Nature and Volume of Release					
	Materia	l(s) Released (Select al	l that apply and attach	calculations or specific	justification for the volumes provided below)
Crude Oi	1	Volume Release	d (bbls)		Volume Recovered (bbls)
Produced	Water	Volume Release	d (bbls)		Volume Recovered (bbls)
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		chloride in the	☐ Yes ☐ No		
X Condensa			Volume Recovered (bbls) 0		
Natural G	l Gas Volume Released (Mcf)		Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)			
Cause of Rel Lightning		resulting in explos	ion & fire.		
		olit, releasing conto duce into other tan			he area was cleaned up & damaged tank removed.

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				1

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? X Yes □ No	If YES, for what reason(s) does the responser NMOCD regulations	sible party consider this a major release?
Yes, by Atoka Fire Depa	·	om? When and by what means (phone, email, etc)? 5394 (Operator at the time) who in turn contacted Darrel Gray with
	Initial Re	esponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
 ☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. 		
<u> </u>	ecoverable materials have been removed and d above have <u>not</u> been undertaken, explain v	C 11 1 .
	. Initial C-141 was filed by Roy Sloan, Jr. on order to complete the process online now.	on 7/29/2010.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Karen C	Charles	Title: Production Analyst
Signature: <u>Karen Cr</u>	harles	Date:
	ergy.com	Telephone: 903-581-4382
OCD Only		
Received by:		Date:

	Page 6 of	89
Incident ID	NKMW1035542428	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	285 bgs (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 X 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 X No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver	tical extents of soil

contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

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

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

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Incident ID	NKMW1035542428
District RP	
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: Karen Charles Title: Production Analyst Signature: Karen Charles Date: 7/26/2022 Telephone: <u>903-581-4382 ext. 233</u> email: <u>kcharles@faulenergy.com</u> **OCD Only** Received by: _ Jocelyn Harimon Date: 07/27/2022

	Page 8 of	89
Incident ID	NKMW1035542428	
District RP		
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: Fach of the following items must be con	firmed as part of any request for deferral of remediation	
<u>Deferral Requests Only</u> : 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: Karen Charles	Title: Production Analyst	
Signature: <u>Karen Charles</u>	Date:	
email: kcharles@faulenergy.com	Telephone: 903-581-4382, ext. 233	
	•	
OCD Only		
Received by:	Date:	
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved	
Signature:	Date:	

State of New Mexico

Incident ID	NKMW1035542428
District RP	
Facility ID	
Application ID	

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Contamination does not cause an imminent risk to human health,	the environment, or groundwater.	
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Printed Name: Karen Charles	Title: Production Analyst	
Signature: Karen Charles	Date: 7/26/2022	
email: kcharles@faulenergy.com	Telephone: 903-581-4382, ext. 233	
OCD Only		
Received by:	Date:	
Approved	Approval Denied Deferral Approved	
Signature: Robert Hamlet I	Date: 01/20/2023	

Calculation of Release – 7/28/2010

Antelope Sink #1 – API # 30-015-10041

120 bbls calculated by using the latest tank gauges available at the time that lightning struck the tank on 7/28/2010.

The original C-141 Initial Report was filed 7/29/2010. Conditions of Approval were received around 3/21/2011 for Remediation per OCD Rules & Guidelines – to "SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: 4/21/11"

However, this apparently, was not filed. (See attached Initial Report)

8973

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grund Avenue, Artesia, NM 88210
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State of New Mexico Energy Minerals and Natural Resource

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505

RECEIVED

Form C-141 Revised October 10, 2003

AUG -1 2010 ubmit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

30-015-1004/ Release Notificati	on and Corrective Acti	ion
mW 1035542428	OPERATOR	🛛 Initial Report 🗌 Final Rep
Name of Company Vernon E. Faulconer, Inc. 148394	Contact Butch Hickey	
Address 1001 ESE LOOP 323 TYLER, TEXAS 75701 Facility Name ANTELOPE SINK #1	Telephone No. 903-581-4382 Facility Type WELL & TANK	DATTEDV
		BATTERY
Surface Owner JOE HELMS Mineral Owner	r STATE OF NEW MEXICO	Lease No. NM015-0027
LOCATI	ON OR DEL ELOE	NM015-0028
	ON OF RELEASE	ast/West Line County
		AST EDDY
Latitude 32.6632	Longitude104.6260	-
NATUR	E OF RELEASE	
Type of Release CONDENSATE	Volume of Release 120 BBLS	Volume Recovered 0
Source of Release TANK FAILURE (LIGHTNING)	Date and Hour of Occurrence	Date and Hour of Discovery
Vas Immediate Notice Given?	7/28/10 4 PM If YES, To Whom?	7/28/10 4 P.M
Yes No No Not Require	ed DARREL GRAY with New Me	exico Oil Conservation Division, called VEF
By Whom? ATOKA FIRE DEPARTMENT	Inc.	
Vas a Watercourse Reached?	Date and Hour 5:15 PM MO If YES, Volume Impacting the V	UNTAIN TIME 7/28/10
☐ Yes ⊠ No	in visit, round impacting the	watercourse.
f a Watercourse was Impacted, Describe Fully.*		
ightning struck tank resulting in explosion & fire. Bottom of tank spli	t releasing contents. Most contents by	urned. Cleaned up & removed damaged tank.
Describe Cause of Problem and Remedial Action Tuken.* Lightning struck tank resulting in explosion & fire. Bottom of tank splice and the produce into one tank remaining on location.	t releasing contents. Most contents by	urned. Cleaned up & removed damaged tank.
ightning struck tank resulting in explosion & fire. Bottom of tank spli	t releasing contents. Most contents by	urned. Cleaned up & removed damaged tank.
Lightning struck tank resulting in explosion & fire. Bottom of tank spli Repipe well to produce into one tank remaining on location.	t releasing contents. Most contents by	urned. Cleaned up & removed damaged tank.
eightning struck tank resulting in explosion & fire. Bottom of tank splice into one tank remaining on location. Describe Area Affected and Cleanup Action Taken.*	o the best of my knowledge and unde e notifications and perform corrective the NMOCD marked as "Final Repo	erstand that pursuant to NMOCD rules and a actions for releases which may endanger rull does not relieve the operator of liability
Lightning struck tank resulting in explosion & fire. Bottom of tank splice in the produce into one tank remaining on location. Describe Area Affected and Cleanup Action Taken.* Area in front & behind tank battery (+-50° cither side) Thereby certify that the information given above is true and complete to explore a complete the complete that the information given above is true and complete the complete that the environment. The acceptance of a C-141 report by thould their operations have failed to ad-spatially investigate and remediate.	o the best of my knowledge and unde e notifications and perform corrective the NMOCD marked as "Final Repo late contamination that pose a threat of does not relieve the operator of resp	erstand that pursuant to NMOCD rules and a actions for releases which may endanger ir does not relieve the operator of liability to ground water, surface water, human healthonsibility for compliance with any other RVATION DIVISION
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Lightning struck tank resulting in explosion & fire. Bottom of tank splice and the produce into one tank remaining on location. Describe Area Affected and Cleanup Action Taken.* Area in front & behind tank battery (+-50° cither side) Thereby certify that the information given above is true and complete the equilibrium of the environment. The acceptance of a C-141 report by the bould their operations have failed to adequately investigate and remed in the environment. In addition, 1900 acceptance of a C-141 report aderal, state, or local laws and regulations. Ignature: Trinted Name: Ref Y SLOAN, JR.	o the best of my knowledge and unde e notifications and perform corrective the NMOCD marked as "Final Repointe contamination that pose a threat of does not relieve the operator of responsible Approved by District Supervisors Approval Date:	erstand that pursuant to NMOCD rules and eractions for releases which may endanger rt" does not relieve the operator of liability to ground water, surface water, human health nonsibility for compliance with any other RVATION DIVISION which because Expiration Date:
Describe Area Affected and Cleanup Action Taken.* Area in front & behind tank battery (+-50' cither side) Thereby certify that the information given above is true and complete to egulations all operators are required to report and/or file certain release ublic health or the environment. The acceptance of a C-141 report by hould their operations have failed to administry investigate and remed in the environment. In addition, 1210 acceptance of a C-141 report citeral, state, or local laws and or regulations. Ignature: Printed Name: Refy SLOAN, JR.	o the best of my knowledge and unde e notifications and perform corrective the NMOCD marked as "Final Repointe contamination that pose a threat it does not relieve the operator of responded by District Supermiss." Approved by District Supermiss. Approval Date: Approval Date:	erstand that pursuant to NMOCD rules and exactions for releases which may endanger rt" does not relieve the operator of liability to ground water, surface water, human health nonsibility for compliance with any other RVATION DIVISION Market Banner Expiration Date: Expiration Date: Altached

National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway 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 OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** ---- 513---- Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER Profile Baseline **FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate

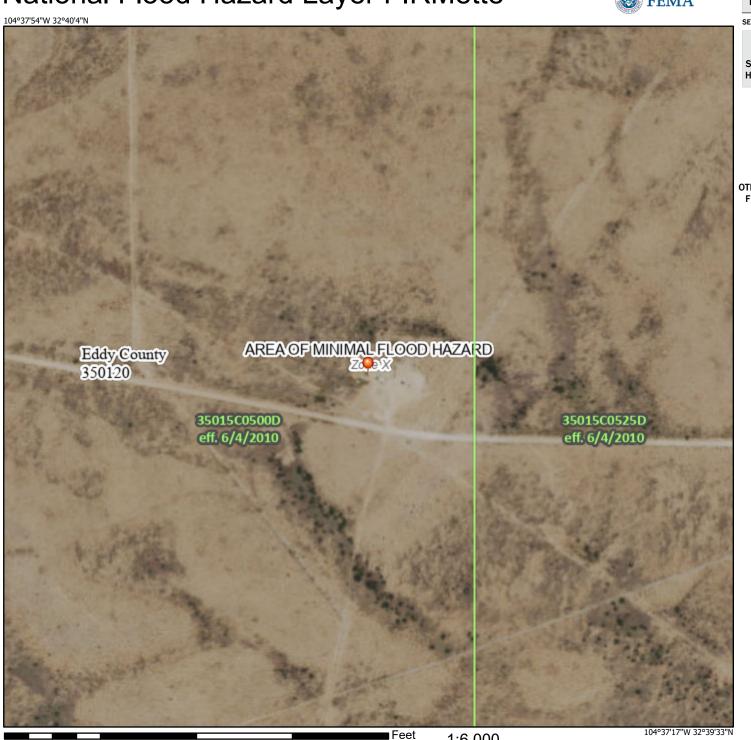
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/24/2022 at 2:14 PM 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.

point selected by the user and does not represent

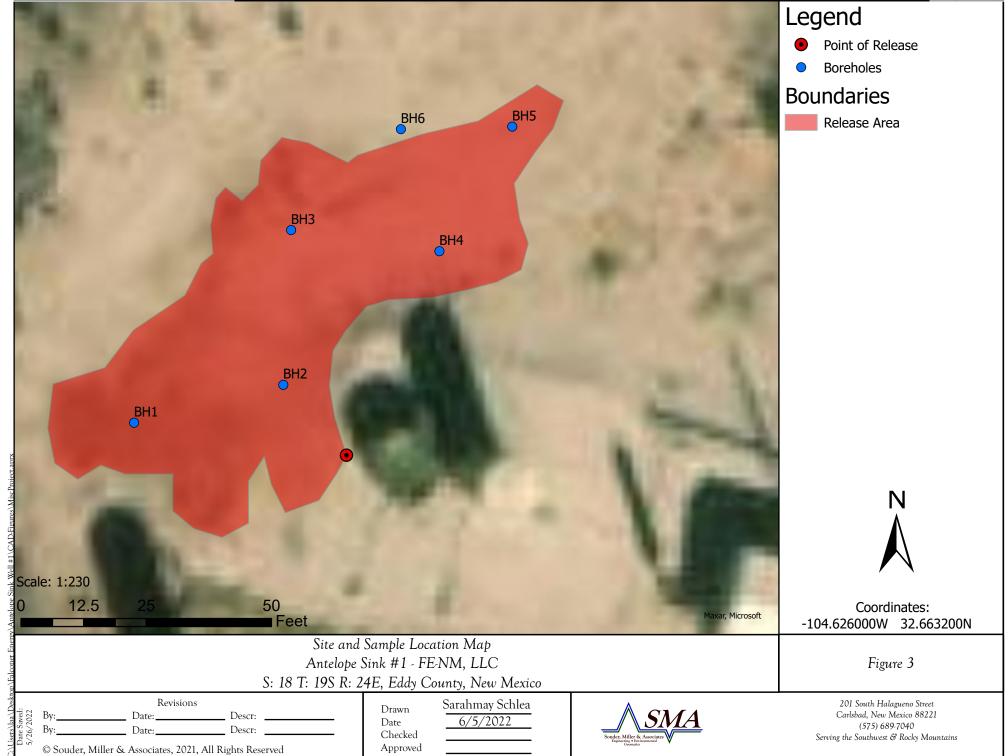
an authoritative property location.

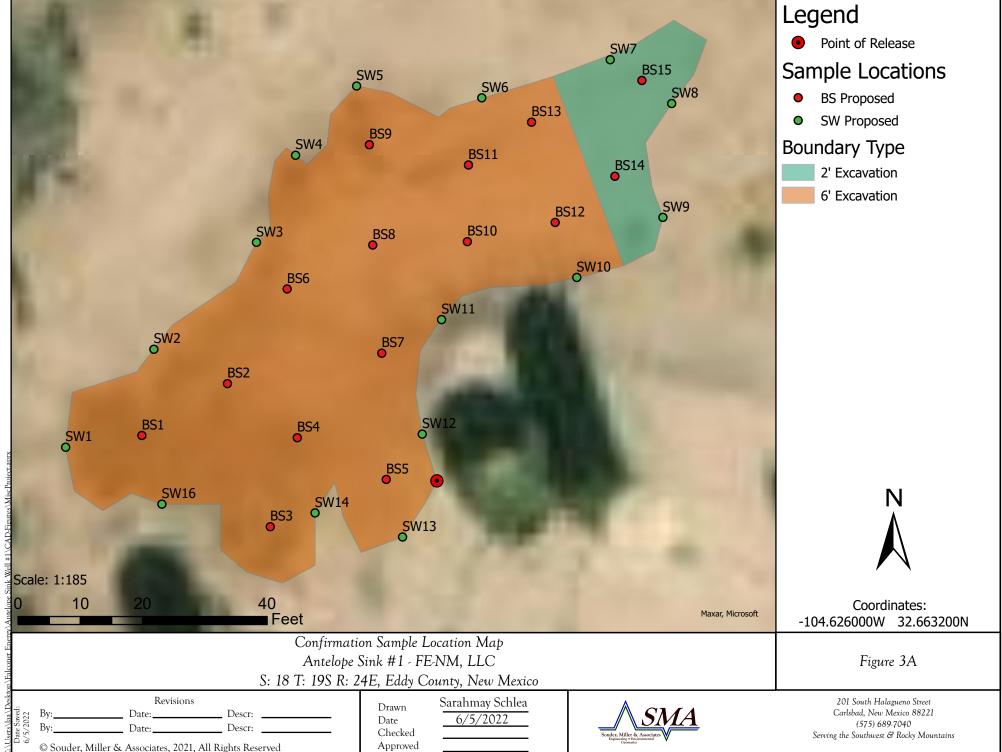
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



2.000

FIGURES





TABLES

Received by OCD: 7/26/2022 4:05:13 PM

FE-NM, LLC

Antelope Sink Unit #001

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	285	New Mexico Office of the State Engineer
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	None	United States Geological Survey
Hortizontal Distance to Nearest Significant Watercourse (ft)	2554	Unnamed tributary of the Fourmile Draw

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
	Closu	ıre Criteria	(units in m	ng/kg)		
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	втех	Benzene	
< 50' BGS	Х	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no		if yes	s, then		
<300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake? Water Well or Water Source	No No					
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? <1000' from fresh water well or spring?	No No					
Human and Other Areas		600	100		50	10
<300' from an occupied permanent residence, school, hospital, institution or church? within incorporated municipal boundaries or within a defined municipal	No					
fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No(Med.Risk)					
within a 100-year floodplain?	No					

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Table 3: Summary of Sample Results

FE-NM, LLC Antelope Sink Well #1

		Depth of Sample	Action	Metho	od 8021B		Metho	d 8015D		Method 300.0
Sample ID	Sample Date	(feet bgs)	Taken	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
		Closure Criteria		50	10		-		100	600
BG1	3/30/2022	Surface	In-Situ	<0.213	<0.024	<4.7	<9.6	<48	<62.3	<60
DGI	3/30/2022	1'	In-Situ	<0.224	<0.025	<5.0	<9.3	<47	<61.3	<60
BG2	3/30/2022	Surface	In-Situ	<0.216	<0.024	<4.8	<10	<50	<64.8	<60
DGZ	3/30/2022	1'	In-Situ	<0.213	<0.024	<4.7	<9.5	<47	<61.2	<60
	3/30/2022	Surface		<0.222	<0.025	<4.9	<9.5	<47	<61.4	19000
BH1	3/30/2022	1	Excavate	<0.221	<0.025	<4.9	<9.6	<48	<62.5	27000
DIII	5/20/2022	3		-	-	-	-	-	-	6500
	5/20/2022	6	In-Situ	-	-	-	-	-	-	<60
	3/30/2022	Surface		<0.220	<0.024	<4.9	<8.5	<43	<56.4	15000
BH2	3/30/2022	1	Excavate	<0.225	<0.025	<5.0	<10	<50	<65	6100
ВΠΖ	5/20/2022	3		-	1	-	-	-	-	4600
	5/20/2022	5	In-Situ	-	-	-	-	-	-	<60
	3/30/2022	Surface		<0.217	<0.024	<4.8	<9.3	<47	<61.1	4400
вн3	3/30/2022	1	Excavate	<0.219	<0.024	<4.9	<9.8	<49	<63.7	5700
впэ	5/20/2022	3		-	-	-	-	-	-	2400
	5/20/2020	5	In-Situ	-	-	-	-	-	-	<60
	3/30/2022	Surface		<0.215	<0.024	<4.8	370	1000	1370	10000
BH4	3/30/2022	1	Excavate	<0.219	<0.024	<4.9	110	300	410	3900
БП4	5/20/2022	3		-	-	<4.8	<9.3	<46	<60.1	2400
	5/20/2022	6	In-Situ	-	-	<4.8	<9.2	<46	<60.1	<60
	3/30/2022	Surface	Excavate	<0.215	<0.024	<4.8	240	700	940	<60
BH5	3/30/2022	1	LACAVALE	<0.216	<0.024	<4.8	37	140	177	<60
впэ	5/20/2022	2	In-Situ	-	-	<5.0	<9.7	<48	<62.7	-
	5/20/2022	3	In-Situ	-	-	<4.9	<9.7	<49	<63.6	-
вн6	3/30/2022	Surface	In-Situ	<0.222	<0.025	<4.9	<9.7	<48	<62.6	<60
ВПО	3/30/2022	1	In-Situ	<0.220	<0.024	<4.9	<9.5	<48	<62.4	<60

"-" = Not Analyzed

BG: Background sample



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)

water right file.)	closed)	(qua	arte	rs a	are si	malles	st to large	est) (N	NAD83 UTM in me	ters)	(In feet)	
	POD Sub-		Q Q								-	-	Water
POD Number RA 07942	Code basin Coul	_				Tws 19S		X 533987	-	Distance 1048	Well 2900	Water	Column
RA 07466	RA ED		_			198		533686	_	1334	627	480	147
RA 07466 CLW	RA ED)		2	13	19S	23E	533686	3614137*	1334	288		
RA 06777	RA ED)	4	1	07	198	24E	534686	3615577*	1568	800		
RA 12972 POD1	RA ED	3	3 2	1	13	19S	23E	532998	3614250 🌍	2029	321	285	36
RA 07280	RA ED	3	3 2	3	14	19S	23E	531373	3613428*	3695	590	527	63
RA 05576	RA ED)	1	4	21	19S	24E	538353	3611992*	3916	320	307	13
RA 07506	RA ED)		3	23	19S	23E	531297	3611714* 🎒	4389	345	140	205
RA 05676	RA ED	2	2 2	3	28	19S	24E	538058	3610471*	4692	600	558	42
RA 03960	RA ED)	2	2	10	19S	24E	540341	3616025* 🌍	5680	440	335	105
RA 06646	RA ED)	1	1	27	19S	23E	529484	3611097*	6269	430		
RA 09237	RA ED	3	3 2	2	29	18S	24E	536985	3620766*	7003	600	450	150
RA 05723	RA ED)	3	3	34	19S	24E	539170	3608353*	7045	310	270	40
RA 04727	RA ED)	1	2	26	19S	24E	541594	3611184* 🎒	7171	354	322	32
RA 08147	RA ED) 1	1	2	28	18S	24E	538198	3620968*	7619	500		
RA 03084	RA ED)		1	03	20S	24E	539366	3607752*	7648	330	268	62
RA 13117 POD2	RA ED	3	3 4	1	24	19S	24E	542730	3612364 🌍	7893		102	
RA 13117 POD1	RA ED	3	3 4	1	24	19S	24E	542743	3612369 🌍	7905		102	
RA 06436	RA ED	3	3 1	4	12	19S	24E	543083	3615122*	8137		300	
RA 11061 POD1	RA ED)	4	2	35	18S	24E	541949	3618852*	8435	450	364	86
RA 08148	RA ED	3	3	1	36	18S	24E	542252	3618748*	8629	508		
RA 03959	RA ED)	2	4	12	19S	24E	543589	3615225*	8652	545	265	280
RA 05478	RA ED	3	3 2	3	80	20S	24E	536272	3605389*	8745	550	500	50
RA 04245	RA ED	1	4	4	35	19S	24E	542005	3608363*	9005	300		
RA 04935	RA ED	3	3 1	2	18	18S	24E	534938	3623944*	9899	600	475	125
RA 04726	RA ED)	3	2	19	19S	25E	544825	3612390*	9946	390	310	80
*IITM leastion was derived to	DI CC II-I												

*UTM location was derived from PLSS - see Help

3/24/22 10:21 AM Page 1 of 2

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.)

POD Number

(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)

X

(In feet)

POD

QQQ Sub-

Code basin County 64 16 4 Sec Tws Rng

Distance Well Water Column

334 feet

Depth Depth Water

Average Depth to Water:

Minimum Depth: 102 feet

Maximum Depth: 558 feet

Record Count: 26

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Radius: 10000 Easting (X): 535017.14 Northing (Y): 3614044.34

SW 1/4 of NE 1/4, Sec 18, T19S, R24E

SUBJECT Sail Sampling	PROJECT Entelope Sink PAGE 1/2
CLIENT Falconer Znergy	DATE 8/29/22 BY Accests. (
	CHECKED BY
· arrived on site (7:45)	
· Waiting on pumper to arri	ue.
· began to walk around area area took photos.	of interest, after observing
* Pumper (Danny arrued on & to discuss concerns of tenk contaminants.	and potential flow of
· SIX(6) Samples will be a	Heated within area or
Concern White overning area,	one thing to take into
Concern While Observing area. Considereation is that the by Cattle. Cattle might be Spots on Soil within area.	Potental cause of Dark
· Bill is a Dark masi sand	Sail. much my cattle manue
BHII is a Dark maisi Sand around. No observation of TPH - Callected BHII - Surface - Callected BHII - I'	
- Collected BHI - 1'	
· Cotte dect B+12 is a vigni San	d+ Grad mix. loction is
Closer to Fork battery no dose	ruchen of toh
-Collected BH2-Sorte	iae, 1'
· BH3-13H6 are a light Sonal	
- Collected BH3-B	H6, Ser lay -11
From Cattle was present. no ob	servatur of TPH
- Collected BHI-S	where -1'
. Took Pin Flags and Dlace were collected. Sample locate	a wore decided by an
to pography and potential p	cooling areas of contaminants.
· Took one's offer calleding	Sail Samples
Picked UP by hall Envi	placed tri jurs and

SUBJECT Soil Sampling PROJECT AND LOGE STUBAGE 3/2

CLIENT Follower Energy DATE 3/29/22 BY Acode 2 CHECKED BH5 1 , SHE BHY BH3 BY12 CONDESSIV ladet

Received by OCD: 7/26/2022 4:05:13 PM







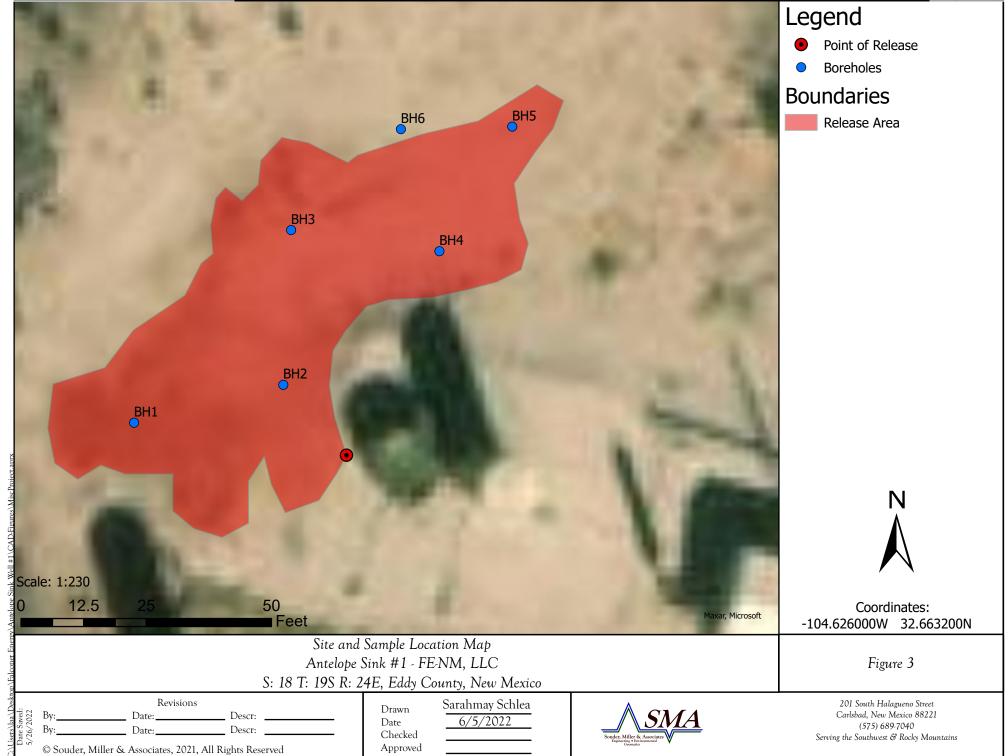


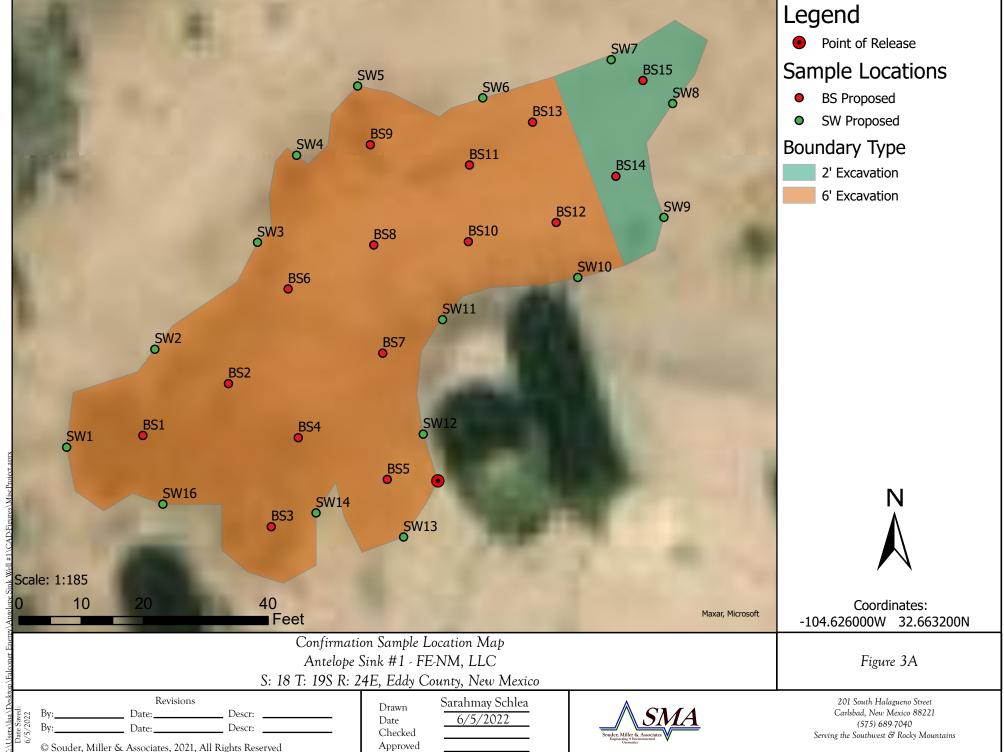






FIGURES





APPENDIX D LABORATORY ANALYTICAL REPORTS



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

June 06, 2022

Lynn A. Acosta Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX:

RE: Antelope Well 1 OrderNo.: 2203F71

Dear Lynn A. Acosta:

Hall Environmental Analysis Laboratory received 12 sample(s) on 3/30/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 11, 2022.

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. 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. All samples are reported as received unless otherwise indicated.

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

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH1-Surface

Project: Antelope Well 1
 Collection Date: 3/29/2022 8:15:00 AM

 Lab ID: 2203F71-001
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	19000	1500	mg/Kg	500	4/6/2022 6:23:51 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/1/2022 11:37:03 PM	66523
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/1/2022 11:37:03 PM	66523
Surr: DNOP	75.6	51.1-141	%Rec	1	4/1/2022 11:37:03 PM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/1/2022 10:49:00 PM	66508
Surr: BFB	101	37.7-212	%Rec	1	4/1/2022 10:49:00 PM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 10:49:00 PM	66508
Toluene	ND	0.049	mg/Kg	1	4/1/2022 10:49:00 PM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/1/2022 10:49:00 PM	66508
Xylenes, Total	ND	0.099	mg/Kg	1	4/1/2022 10:49:00 PM	66508
Surr: 4-Bromofluorobenzene	85.4	70-130	%Rec	1	4/1/2022 10:49:00 PM	66508

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

Page 1 of 17

Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH1-1'

Project: Antelope Well 1
 Collection Date: 3/29/2022 8:17:00 AM

 Lab ID: 2203F71-002
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	27000	1500	mg/Kg	500	4/6/2022 6:36:16 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/2/2022 12:49:32 AM	66523
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/2/2022 12:49:32 AM	66523
Surr: DNOP	63.6	51.1-141	%Rec	1	4/2/2022 12:49:32 AM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/1/2022 11:48:00 PM	66508
Surr: BFB	104	37.7-212	%Rec	1	4/1/2022 11:48:00 PM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 11:48:00 PM	66508
Toluene	ND	0.049	mg/Kg	1	4/1/2022 11:48:00 PM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/1/2022 11:48:00 PM	66508
Xylenes, Total	ND	0.098	mg/Kg	1	4/1/2022 11:48:00 PM	66508
Surr: 4-Bromofluorobenzene	87.0	70-130	%Rec	1	4/1/2022 11:48:00 PM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH2-Surface

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:20:00 AM

 Lab ID:
 2203F71-003
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	15000	1500	mg/Kg	500	0 4/6/2022 12:36:21 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	4/2/2022 1:13:35 AM	66523
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	4/2/2022 1:13:35 AM	66523
Surr: DNOP	87.6	51.1-141	%Rec	1	4/2/2022 1:13:35 AM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/2/2022 12:48:00 AM	66508
Surr: BFB	106	37.7-212	%Rec	1	4/2/2022 12:48:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	4/2/2022 12:48:00 AM	66508
Toluene	ND	0.049	mg/Kg	1	4/2/2022 12:48:00 AM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/2/2022 12:48:00 AM	66508
Xylenes, Total	ND	0.098	mg/Kg	1	4/2/2022 12:48:00 AM	66508
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	4/2/2022 12:48:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH2-1'

Project: Antelope Well 1
 Collection Date: 3/29/2022 8:22:00 AM

 Lab ID: 2203F71-004
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	6100	300	mg/Kg	100	0 4/6/2022 1:13:35 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/2/2022 1:37:40 AM	66523
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/2/2022 1:37:40 AM	66523
Surr: DNOP	101	51.1-141	%Rec	1	4/2/2022 1:37:40 AM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/2/2022 1:07:00 AM	66508
Surr: BFB	100	37.7-212	%Rec	1	4/2/2022 1:07:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.025	mg/Kg	1	4/2/2022 1:07:00 AM	66508
Toluene	ND	0.050	mg/Kg	1	4/2/2022 1:07:00 AM	66508
Ethylbenzene	ND	0.050	mg/Kg	1	4/2/2022 1:07:00 AM	66508
Xylenes, Total	ND	0.10	mg/Kg	1	4/2/2022 1:07:00 AM	66508
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	4/2/2022 1:07:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH3-Surface

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:24:00 AM

 Lab ID:
 2203F71-005
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	4400	300	mg/Kg	100	4/6/2022 1:50:48 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/4/2022 6:35:20 PM	66523
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/4/2022 6:35:20 PM	66523
Surr: DNOP	71.4	51.1-141	%Rec	1	4/4/2022 6:35:20 PM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/2/2022 1:27:00 AM	66508
Surr: BFB	100	37.7-212	%Rec	1	4/2/2022 1:27:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	4/2/2022 1:27:00 AM	66508
Toluene	ND	0.048	mg/Kg	1	4/2/2022 1:27:00 AM	66508
Ethylbenzene	ND	0.048	mg/Kg	1	4/2/2022 1:27:00 AM	66508
Xylenes, Total	ND	0.097	mg/Kg	1	4/2/2022 1:27:00 AM	66508
Surr: 4-Bromofluorobenzene	84.0	70-130	%Rec	1	4/2/2022 1:27:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH3-1'

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:26:00 AM

 Lab ID:
 2203F71-006
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	5700	300	mg/Kg	100	4/6/2022 2:03:13 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/2/2022 2:25:55 AM	66523
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/2/2022 2:25:55 AM	66523
Surr: DNOP	54.9	51.1-141	%Rec	1	4/2/2022 2:25:55 AM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/2/2022 1:47:00 AM	66508
Surr: BFB	105	37.7-212	%Rec	1	4/2/2022 1:47:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	4/2/2022 1:47:00 AM	66508
Toluene	ND	0.049	mg/Kg	1	4/2/2022 1:47:00 AM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/2/2022 1:47:00 AM	66508
Xylenes, Total	ND	0.097	mg/Kg	1	4/2/2022 1:47:00 AM	66508
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	4/2/2022 1:47:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH4-Surface

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:30:00 AM

 Lab ID:
 2203F71-007
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	10000	600		mg/Kg	200	4/6/2022 2:40:28 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analys	t: ED
Diesel Range Organics (DRO)	370	90		mg/Kg	10	4/2/2022 2:49:50 AM	66523
Motor Oil Range Organics (MRO)	1000	450		mg/Kg	10	4/2/2022 2:49:50 AM	66523
Surr: DNOP	0	51.1-141	S	%Rec	10	4/2/2022 2:49:50 AM	66523
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/2/2022 2:07:00 AM	66508
Surr: BFB	105	37.7-212		%Rec	1	4/2/2022 2:07:00 AM	66508
EPA METHOD 8021B: VOLATILES						Analys	t: CCM
Benzene	ND	0.024		mg/Kg	1	4/2/2022 2:07:00 AM	66508
Toluene	ND	0.048		mg/Kg	1	4/2/2022 2:07:00 AM	66508
Ethylbenzene	ND	0.048		mg/Kg	1	4/2/2022 2:07:00 AM	66508
Xylenes, Total	ND	0.095		mg/Kg	1	4/2/2022 2:07:00 AM	66508
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	4/2/2022 2:07:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH4-1'

Project: Antelope Well 1
 Collection Date: 3/29/2022 8:32:00 AM

 Lab ID: 2203F71-008
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	3900	150	mg/Kg	50	4/6/2022 2:52:52 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	110	9.8	mg/Kg	1	4/2/2022 3:13:58 AM	66523
Motor Oil Range Organics (MRO)	300	49	mg/Kg	1	4/2/2022 3:13:58 AM	66523
Surr: DNOP	80.0	51.1-141	%Rec	1	4/2/2022 3:13:58 AM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/2/2022 2:27:00 AM	66508
Surr: BFB	103	37.7-212	%Rec	1	4/2/2022 2:27:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	4/2/2022 2:27:00 AM	66508
Toluene	ND	0.049	mg/Kg	1	4/2/2022 2:27:00 AM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/2/2022 2:27:00 AM	66508
Xylenes, Total	ND	0.097	mg/Kg	1	4/2/2022 2:27:00 AM	66508
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	4/2/2022 2:27:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH5-Surface

Project: Antelope Well 1
 Collection Date: 3/29/2022 8:35:00 AM

 Lab ID: 2203F71-009
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	ND	60		mg/Kg	20	4/6/2022 3:05:17 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analys	t: SB
Diesel Range Organics (DRO)	240	100		mg/Kg	10	4/6/2022 11:30:29 AM	66650
Motor Oil Range Organics (MRO)	700	500		mg/Kg	10	4/6/2022 11:30:29 AM	66650
Surr: DNOP	0	51.1-141	S	%Rec	10	4/6/2022 11:30:29 AM	66650
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/2/2022 2:46:00 AM	66508
Surr: BFB	109	37.7-212		%Rec	1	4/2/2022 2:46:00 AM	66508
EPA METHOD 8021B: VOLATILES						Analys	t: CCM
Benzene	ND	0.024		mg/Kg	1	4/2/2022 2:46:00 AM	66508
Toluene	ND	0.048		mg/Kg	1	4/2/2022 2:46:00 AM	66508
Ethylbenzene	ND	0.048		mg/Kg	1	4/2/2022 2:46:00 AM	66508
Xylenes, Total	ND	0.095		mg/Kg	1	4/2/2022 2:46:00 AM	66508
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	4/2/2022 2:46:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH5-1'

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:37:00 AM

 Lab ID:
 2203F71-010
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	4/6/2022 3:42:31 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: TOM
Diesel Range Organics (DRO)	37	9.8	mg/Kg	1	4/4/2022 8:12:51 PM	66523
Motor Oil Range Organics (MRO)	140	49	mg/Kg	1	4/4/2022 8:12:51 PM	66523
Surr: DNOP	81.0	51.1-141	%Rec	1	4/4/2022 8:12:51 PM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/2/2022 3:06:00 AM	66508
Surr: BFB	102	37.7-212	%Rec	1	4/2/2022 3:06:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	4/2/2022 3:06:00 AM	66508
Toluene	ND	0.048	mg/Kg	1	4/2/2022 3:06:00 AM	66508
Ethylbenzene	ND	0.048	mg/Kg	1	4/2/2022 3:06:00 AM	66508
Xylenes, Total	ND	0.096	mg/Kg	1	4/2/2022 3:06:00 AM	66508
Surr: 4-Bromofluorobenzene	85.7	70-130	%Rec	1	4/2/2022 3:06:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH6-Surface

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:40:00 AM

 Lab ID:
 2203F71-011
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	4/6/2022 3:54:55 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/4/2022 8:37:07 PM	66523
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/4/2022 8:37:07 PM	66523
Surr: DNOP	97.1	51.1-141	%Rec	1	4/4/2022 8:37:07 PM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/2/2022 4:25:00 AM	66508
Surr: BFB	106	37.7-212	%Rec	1	4/2/2022 4:25:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.025	mg/Kg	1	4/2/2022 4:25:00 AM	66508
Toluene	ND	0.049	mg/Kg	1	4/2/2022 4:25:00 AM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/2/2022 4:25:00 AM	66508
Xylenes, Total	ND	0.099	mg/Kg	1	4/2/2022 4:25:00 AM	66508
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	4/2/2022 4:25:00 AM	66508

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

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Lab Order 2203F71

Date Reported: 6/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH6-1'

 Project:
 Antelope Well 1
 Collection Date: 3/29/2022 8:42:00 AM

 Lab ID:
 2203F71-012
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	4/6/2022 4:07:19 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/4/2022 9:01:24 PM	66523
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/4/2022 9:01:24 PM	66523
Surr: DNOP	80.1	51.1-141	%Rec	1	4/4/2022 9:01:24 PM	66523
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/2/2022 4:45:00 AM	66508
Surr: BFB	101	37.7-212	%Rec	1	4/2/2022 4:45:00 AM	66508
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	4/2/2022 4:45:00 AM	66508
Toluene	ND	0.049	mg/Kg	1	4/2/2022 4:45:00 AM	66508
Ethylbenzene	ND	0.049	mg/Kg	1	4/2/2022 4:45:00 AM	66508
Xylenes, Total	ND	0.098	mg/Kg	1	4/2/2022 4:45:00 AM	66508
Surr: 4-Bromofluorobenzene	83.3	70-130	%Rec	1	4/2/2022 4:45:00 AM	66508

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203F71** *06-Jun-22*

Client: Souder, Miller & Associates

Project: Antelope Well 1

Sample ID: MB-66638 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66638 RunNo: 87038

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3077760 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66638 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66638 RunNo: 87038

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3077761 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.3 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203F71** *06-Jun-22*

Client: Souder, Miller & Associates

Project: Antelope Well 1

Sample ID: 2203F71-001AMS	SampT	уре: м .	<u> </u>	Tes	tCode: EI	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: BH1-Surface		n ID: 66			RunNo: 8				- 3	
Prep Date: 3/31/2022	Analysis D				SegNo: 3		Units: mg/K	(q		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.6	48.17	0	77.4	36.1	154	/0KFD	KFDLIIIII	Quai
Surr: DNOP	2.0	0.0	4.817	J	40.9	51.1	141			S
Sample ID: 2203F71-001AMS	D SampT	уре: М.	SD	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: BH1-Surface	Batch	n ID: 66	523	F	RunNo: 8	6957				
Prep Date: 3/31/2022	Analysis D	Date: 4/	2/2022	;	SeqNo: 3	072506	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.7	48.64	0	90.3	36.1	154	16.3	33.9	
Surr: DNOP	1.9		4.864		39.7	51.1	141	0	0	S
Sample ID: LCS-66523	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	n ID: 66	523	F	RunNo: 8	6957				
Prep Date: 3/31/2022	Analysis D	Date: 4/	1/2022		SeqNo: 3	072547	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.2	68.9	135			
Surr: DNOP	4.6		5.000		91.7	51.1	141			
Sample ID: MB-66523	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	n ID: 66	523	F	RunNo: 8	6957				
Prep Date: 3/31/2022	Analysis D	Date: 4/	1/2022	;	SeqNo: 3	072549	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Notor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	51.1	141			

Sample ID: MB-66650	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	Batch ID: 66650				7033				
Prep Date: 4/5/2022	Analysis D	oate: 4/ 0	6/2022	5	SeqNo: 30	075736	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.1	51.1	141			

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

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Hall Environmental Analysis Laboratory, Inc.

2203F71 06-Jun-22

WO#:

Client: Souder, Miller & Associates

Project: Antelope Well 1

Sample ID: LCS-66650 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 66650 RunNo: 87033

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075737 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
 96.4
 68.9
 135

 Surr: DNOP
 4.2
 5.000
 84.5
 51.1
 141

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

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Hall Environmental Analysis Laboratory, Inc.

2203F71 06-Jun-22

WO#:

%RPD

RPDLimit

Qual

S

Client: Souder, Miller & Associates

Project: Antelope Well 1

Sample ID: Ics-66508	SampType: I	.cs	Tes	tCode: EF	8015D: Gasol	ine Range			
Client ID: LCSS	Batch ID: 6	6508	F	RunNo: 86	6911				
Prep Date: 3/30/2022	Analysis Date:	4/1/2022	9	SeqNo: 30	071525	Units: mg/K	g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28 5.	0 25.00	0	112	72.3	137			
Surr: BFB	2200	1000		225	37.7	212			S
Sample ID: mb-66508	SampType: I	/IBLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: PBS	Batch ID: 6	6508	F	RunNo: 86	6911				
Prep Date: 3/30/2022	Analysis Date:	4/1/2022	\$	SeqNo: 30	071526	Units: mg/K	g		
Prep Date: 3/30/2022 Analyte	Analysis Date: Result PQL			SeqNo: 3(%REC	071526 LowLimit	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
·	•	. SPK value		·		Ū	J	RPDLimit	Qual
Analyte	Result PQL	. SPK value		·		Ū	J	RPDLimit	Qual
Analyte Gasoline Range Organics (GRO)	Result PQL	SPK value 0 1000	SPK Ref Val	%REC 104	LowLimit 37.7	HighLimit	%RPD		Qual
Analyte Gasoline Range Organics (GRO) Surr: BFB	Result PQI ND 5.	SPK value 0 1000	SPK Ref Val	%REC 104	LowLimit 37.7 PA Method	HighLimit 212	%RPD		Qual

Sample ID: 2203F71-0	01amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: BH1-Surfa	ce	Batch	n ID: 665	508	F	RunNo: 80	6911				
Prep Date: 3/30/2022	2	Analysis D	Date: 4/	1/2022 SeqNo: 3071529 Units: mg/Kg							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO)	29	4.9	24.51	0	119	70	130	0.203	20	
Surr: BFB		2300		980.4		239	37.7	212	0	0	S

0

%REC

120

238

LowLimit

70

37.7

HighLimit

130

212

SPK value SPK Ref Val

24.49

979.4

PQL

4.9

Result

2300

29

Qualifiers:

Analyte

Surr: BFB

Gasoline Range Organics (GRO)

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203F71** *06-Jun-22*

Client: Souder, Miller & Associates

Project: Antelope Well 1

Sample ID: Ics-66508	Samp ¹	SampType: LCS TestCode: EPA Method 8					8021B: Volati	les						
Client ID: LCSS	Batc	h ID: 665	i08	F	RunNo: 86	5911								
Prep Date: 3/30/2022	Analysis [Date: 4/ 1	1/2022	5	SeqNo: 30	71497	Units: mg/K	g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	0.88	0.025	1.000	0	88.3	80	120							
Toluene	0.90	0.050	1.000	0	89.9	80	120							
Ethylbenzene	0.91	0.050	1.000	0	90.6	80	120							
Xylenes, Total	2.7	0.10	3.000	0	90.4	80	120							
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130							

Sample ID: mb-66508	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch	n ID: 665	508	F	RunNo: 86	911					
Prep Date: 3/30/2022	Analysis D	Date: 4/	1/2022	SeqNo: 3071498			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	70	130				

Sample ID: 2203F71-002ams	SampT	SampType: MS TestCode: EPA Method 8021B: Volatiles								
Client ID: BH1-1'	Batch	Batch ID: 66508 RunNo: 86911								
Prep Date: 3/30/2022	Analysis D	oate: 4/2	2/2022							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9737	0	88.9	68.8	120			
Toluene	0.89	0.049	0.9737	0	91.1	73.6	124			
Ethylbenzene	0.90	0.049	0.9737	0	92.4	72.7	129			
Xylenes, Total	2.7	0.097	2.921	0	92.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9737		87.1	70	130			

Sample ID: 2203F71-002amsd	SampT	ype: MS	D	Tes	PA Method	d 8021B: Volatiles						
Client ID: BH1-1'	Batch	1D: 665	808	F								
Prep Date: 3/30/2022	Analysis D	s Date: 4/2/2022 SeqNo: 3071502 Un						Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.82	0.024	0.9671	0	84.5	68.8	120	5.78	20			
Toluene	0.84	0.048	0.9671	0	86.8	73.6	124	5.51	20			
Ethylbenzene	0.85	0.048	0.9671	0	88.3	72.7	129	5.25	20			
Xylenes, Total	2.6	0.097	2.901	0	88.1	75.7	126	5.38	20			
Surr: 4-Bromofluorobenzene	0.84		0.9671		87.2	70	130	0	0			

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

ACTION MINISTER		Website:	clients.hallenvironmer	ntal.com		
Client Name:	Souder, Miller & Associates	Work Order	Number: 2203F71		RcptNo: 1	
Received By:	Juan Rojas	3/30/2022 9:1	5:00 AM	Hansay	2	
Completed By:	Sean Livingston	3/30/2022 10:	08:15 AM	Guarage S-L	/	
Reviewed By:	Jn3/30/2			5	egot-	
Chain of Cus	tody					
1. Is Chain of Cu	stody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		Courier		Not Flesellt [
Log In						
3. Was an attem	ot made to cool the sar	nples?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samp	les received at a tempe	rature of >0° C to 6.0°0	Yes 🗸	No 🗌	NA 🗌	
5. Sample(s) in p	roper container(s)?		Yes 🗸	No 🗌		
6. Sufficient samp	le volume for indicated	test(s)?	Yes 🗸	No 🗌		
7. Are samples (e.	xcept VOA and ONG) p	properly preserved?	Yes 🗸	No 🗆		
	ve added to bottles?		Yes	No 🗸	NA 🗌	
9. Received at lea	st 1 vial with headspace	e <1/4" for AO VOA2	V 🗆	N. 🗆		
10. Were any samp	ole containers received	broken?	Yes ☐ Yes ☐	No ∐	NA 🗹	
			res 🗀	No 🗹	# of preserved	
11. Does paperwork	match bottle labels?		Yes 🗸	No 🗌	bottles checked for pH:	
	cies on chain of custod		2000 CO	20.000	(<2 or >12	unless noted)
13. Is it clear what a	rrectly identified on Cha nalyses were requeste	in of Custody?	Yes 🔽	No 🗌	Adjusted?	
	times able to be met?	d?	Yes 🗸	No 🗌		
(If no, notify cus	tomer for authorization.)	Yes 🗸	No 🗆	Checked by: TMC	3/30/22
Special Handlin	g (if applicable)					
15. Was client notifi	ed of all discrepancies	with this order?	Yes	No 🗌	NA 🗸	
Person No	otified:	D	ate:	manufacture and an analysis represent.	101	
By Whom:		Vi		Phone Fax		
Regarding		PRESENTATION OF THE PROPERTY O	- Cividii [] [hone Fax	☐ In Person	
Client Inst	ructions:			ACT STATE OF THE S	The School of the South Control of the South Street Contro	
16. Additional rema	rks:					
7. Cooler Informa	tion					
	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed D.		
1 0	.3 Good	- Coarre	Gear Date	Signed By		



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

April 12, 2022

Lynn A. Acosta Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-8801

FAX

RE: Antelope Sink Well 1 OrderNo.: 2204029

Dear Lynn A. Acosta:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/1/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2204029

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT:Souder, Miller & AssociatesClient Sample ID: BG1-SurfaceProject:Antelope Sink Well 1Collection Date: 3/30/2022

Lab ID: 2204029-001 **Matrix:** SOIL **Received Date:** 4/1/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/7/2022 10:54:22 PM	66705
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	: JR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/5/2022 9:40:47 PM	66586
Surr: BFB	98.2	70-130	%Rec	1	4/5/2022 9:40:47 PM	66586
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/5/2022 4:01:59 PM	66611
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/5/2022 4:01:59 PM	66611
Surr: DNOP	82.4	51.1-141	%Rec	1	4/5/2022 4:01:59 PM	66611
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	: JR
Benzene	ND	0.024	mg/Kg	1	4/5/2022 9:40:47 PM	66586
Toluene	ND	0.047	mg/Kg	1	4/5/2022 9:40:47 PM	66586
Ethylbenzene	ND	0.047	mg/Kg	1	4/5/2022 9:40:47 PM	66586
Xylenes, Total	ND	0.095	mg/Kg	1	4/5/2022 9:40:47 PM	66586
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	4/5/2022 9:40:47 PM	66586
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	4/5/2022 9:40:47 PM	66586
Surr: Dibromofluoromethane	105	70-130	%Rec	1	4/5/2022 9:40:47 PM	66586
Surr: Toluene-d8	95.7	70-130	%Rec	1	4/5/2022 9:40:47 PM	66586

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

orting Limit Page 1 of 6

Analytical Report Lab Order 2204029

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: BG1-1'

Project: Antelope Sink Well 1

Collection Date: 3/30/2022

Lab ID: 2204029-002 **Matrix:** SOIL **Received Date:** 4/1/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/7/2022 11:06:42 PM	66705
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	: JR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/5/2022 10:09:24 PM	66586
Surr: BFB	105	70-130	%Rec	1	4/5/2022 10:09:24 PM	66586
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/5/2022 4:26:18 PM	66611
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/5/2022 4:26:18 PM	66611
Surr: DNOP	82.1	51.1-141	%Rec	1	4/5/2022 4:26:18 PM	66611
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	: JR
Benzene	ND	0.025	mg/Kg	1	4/5/2022 10:09:24 PM	66586
Toluene	ND	0.050	mg/Kg	1	4/5/2022 10:09:24 PM	66586
Ethylbenzene	ND	0.050	mg/Kg	1	4/5/2022 10:09:24 PM	66586
Xylenes, Total	ND	0.099	mg/Kg	1	4/5/2022 10:09:24 PM	66586
Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	1	4/5/2022 10:09:24 PM	66586
Surr: 4-Bromofluorobenzene	94.2	70-130	%Rec	1	4/5/2022 10:09:24 PM	66586
Surr: Dibromofluoromethane	107	70-130	%Rec	1	4/5/2022 10:09:24 PM	66586
Surr: Toluene-d8	99.1	70-130	%Rec	1	4/5/2022 10:09:24 PM	66586

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

ample pH Not In Range
Penorting Limit Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204029**

12-Apr-22

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: MB-66705 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66705 RunNo: 87092

Prep Date: 4/7/2022 Analysis Date: 4/7/2022 SeqNo: 3078859 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66705 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66705 RunNo: 87092

Prep Date: 4/7/2022 Analysis Date: 4/7/2022 SeqNo: 3078860 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.0 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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

2204029 12-Apr-22

WO#:

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: LCS-66611 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 66611 RunNo: 87027

Prep Date: 4/4/2022 Analysis Date: 4/5/2022 SeqNo: 3075308 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
 99.3
 68.9
 135

 Surr: DNOP
 5.1
 5.000
 102
 51.1
 141

Sample ID: MB-66611 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 66611 RunNo: 87027

Prep Date: 4/4/2022 Analysis Date: 4/5/2022 SeqNo: 3075310 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.4 10.00 93.7 51.1 141

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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204029** *12-Apr-22*

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: Ics-66586 Client ID: LCSS	•	SampType: LCS TestCode: EPA Method 8: Batch ID: 66586 RunNo: 86972					8260B: Volat	iles Short	List	
Prep Date: 4/1/2022	Analysis D		4/2022				Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.7	70	130			
Toluene	0.97	0.050	1.000	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.5	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.0	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID: mb-66586	Samp	SampType: MBLK TestCode: EPA Method						tiles Short	List	
Client ID: PBS	Batc	h ID: 66	586	F	RunNo: 8	6972				
Prep Date: 4/1/2022	Analysis [Date: 4/	4/2022	9	SeqNo: 3	078657	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.2	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		95.7	70	130			
Surr: Toluene-d8	0.51		0.5000		101	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

2204029 12-Apr-22

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: Ics-66586 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: LCSS Batch ID: 66586 RunNo: 86972

Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3073267 Units: mg/Kg

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

Gasoline Range Organics (GRO) 0 28 5.0 25.00 110 70 130 Surr: BFB 510 500.0 102 70 130

Sample ID: mb-66586 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: PBS Batch ID: 66586 RunNo: 86972

Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3073268 Units: mg/Kg

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

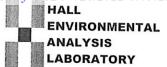
Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 510 102 70 500.0 130

Qualifiers:

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

Page 6 of 6



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: Souder, Miller & Work Order Number: 2204029 RcptNo: 1 Associates Received By: Tracy Casarrubias 4/1/2022 9:50:00 AM Completed By: Cheyenne Cason 4/1/2022 10:26:46 AM Chul 4/1/22 Reviewed By: 10 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 🗌 Were all samples received at a temperature of >0° C to 6.0°C No Yes 🗸 NA 🗌 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? No V Yes 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 V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 13. Is it clear what analyses were requested? Checked by: KP4 4/1/22 No 14. Were all holding times able to be met? Yes 🗸 No (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No _ NA 🗸 Person Notified: Date: By Whom: Via: Phone Fax Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date 1 3.7 Good Not Present

Received by OCD: 7/26/2021 4.	05:13 PM		Page 59 of 89
HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 845-3975 Fax 505-345-4107 Analysis Request	(AOV) 092	8 8	Date Time Remarks: All
HALL ENVJ ANALYSIS ANALYSIS www.hallenvironme 4901 Hawkins NE - Albuquer Tel. 505-345-3975 Fax 50	EDB (Method 504.1) PAHs by 8310 or 8270SIMS CRA 8 Metals	4	ции. accsla
4901 Ha	TEXY MTBE / TMB's (8021) 7081 Pesticides/8082 PCB's		Remarks: CMCL(: leavestern)
Turn-Around Time: □ Standard \(\overline{\text{Rush}} \subseteq \alpha\) \(\overline{\text{TM}}\) \(\overline{\text{TM}	Project Manager: LVM Color	3	
Client: SMA - Carlody Record Client: SMA - Carload Mailing Address:	email or Fax#: QA/QC Package: Standard	1842 Sil 861- Suhad	Date: Time: Relinquished by: Received by: Via: Date: Time: Relinquished by: Received by: Via: Received by: Via: Received by: Via: Received by: Via: If necessary, samples submitted to Hall Ehvironmental may be subconfracted to other accredited laboratories.



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

April 12, 2022

Lynn A. Acosta Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-8801

FAX

RE: Antelope Sink Well 1 OrderNo.: 2204030

Dear Lynn A. Acosta:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/1/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2204030

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: BG2-Surface

Project: Antelope Sink Well 1

Collection Date: 3/30/2022

Lab ID: 2204030-001 **Matrix:** SOIL **Received Date:** 4/1/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/7/2022 11:19:02 PM	66705
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	: JR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/6/2022 12:32:47 AM	66586
Surr: BFB	103	70-130	%Rec	1	4/6/2022 12:32:47 AM	66586
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/5/2022 4:51:03 PM	66611
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/5/2022 4:51:03 PM	66611
Surr: DNOP	73.8	51.1-141	%Rec	1	4/5/2022 4:51:03 PM	66611
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	: JR
Benzene	ND	0.024	mg/Kg	1	4/6/2022 12:32:47 AM	66586
Toluene	ND	0.048	mg/Kg	1	4/6/2022 12:32:47 AM	66586
Ethylbenzene	ND	0.048	mg/Kg	1	4/6/2022 12:32:47 AM	66586
Xylenes, Total	ND	0.096	mg/Kg	1	4/6/2022 12:32:47 AM	66586
Surr: 1,2-Dichloroethane-d4	106	70-130	%Rec	1	4/6/2022 12:32:47 AM	66586
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	4/6/2022 12:32:47 AM	66586
Surr: Dibromofluoromethane	108	70-130	%Rec	1	4/6/2022 12:32:47 AM	66586
Surr: Toluene-d8	99.2	70-130	%Rec	1	4/6/2022 12:32:47 AM	66586

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

Page 1 of 6

Analytical Report Lab Order 2204030

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: BG2-1'

Project: Antelope Sink Well 1

Collection Date: 3/30/2022

Lab ID: 2204030-002 **Matrix:** SOIL **Received Date:** 4/1/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/7/2022 11:56:05 PM	66705
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	: JR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/6/2022 1:01:30 AM	66586
Surr: BFB	102	70-130	%Rec	1	4/6/2022 1:01:30 AM	66586
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/5/2022 5:15:19 PM	66611
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/5/2022 5:15:19 PM	66611
Surr: DNOP	92.0	51.1-141	%Rec	1	4/5/2022 5:15:19 PM	66611
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	: JR
Benzene	ND	0.024	mg/Kg	1	4/6/2022 1:01:30 AM	66586
Toluene	ND	0.047	mg/Kg	1	4/6/2022 1:01:30 AM	66586
Ethylbenzene	ND	0.047	mg/Kg	1	4/6/2022 1:01:30 AM	66586
Xylenes, Total	ND	0.095	mg/Kg	1	4/6/2022 1:01:30 AM	66586
Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	1	4/6/2022 1:01:30 AM	66586
Surr: 4-Bromofluorobenzene	98.2	70-130	%Rec	1	4/6/2022 1:01:30 AM	66586
Surr: Dibromofluoromethane	104	70-130	%Rec	1	4/6/2022 1:01:30 AM	66586
Surr: Toluene-d8	95.2	70-130	%Rec	1	4/6/2022 1:01:30 AM	66586

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

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204030**

12-Apr-22

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: MB-66705 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66705 RunNo: 87092

Prep Date: 4/7/2022 Analysis Date: 4/7/2022 SeqNo: 3078859 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66705 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66705 RunNo: 87092

Prep Date: 4/7/2022 Analysis Date: 4/7/2022 SeqNo: 3078860 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.0 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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2204030**

12-Apr-22

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: LCS-66611 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 66611 RunNo: 87027

Prep Date: 4/4/2022 Analysis Date: 4/5/2022 SeqNo: 3075308 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Diesel Range Organics (DRO) 10 0 50 50.00 99.3 68.9 135

Surr: DNOP 5.1 5.000 10 99.3 66.9 135

Sample ID: MB-66611 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 66611 RunNo: 87027

Prep Date: 4/4/2022 Analysis Date: 4/5/2022 SeqNo: 3075310 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.4 10.00 93.7 51.1 141

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2204030** *12-Apr-22*

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: Ics-66586 Client ID: LCSS	•	SampType: LCS TestCode: EPA Method 8: Batch ID: 66586 RunNo: 86972					8260B: Volat	iles Short	List	
Prep Date: 4/1/2022	Analysis D		4/2022				Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.7	70	130			
Toluene	0.97	0.050	1.000	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.5	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.0	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID: mb-66586	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: PBS	Batc	h ID: 66	586	F	RunNo: 8	6972				
Prep Date: 4/1/2022	Analysis [Date: 4/	4/2022	9	SeqNo: 3	078657	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.2	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		95.7	70	130			
Surr: Toluene-d8	0.51		0.5000		101	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2204030** *12-Apr-22*

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: Ics-66586 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: LCSS Batch ID: 66586 RunNo: 86972

Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3073267 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 28
 5.0
 25.00
 0
 110
 70
 130

 Surr: BFB
 510
 500.0
 102
 70
 130

Sample ID: mb-66586 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: PBS Batch ID: 66586 RunNo: 86972

Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3073268 Units: mg/Kg

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

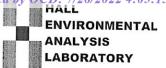
Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 510 500.0 102 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Souder, Miller & Associates	Work Order Nu	mber: 2204030		RcptNo: 1	
Received By:	Tracy Casarrubias	4/1/2022 9:50:00	АМ			
Completed By:	Cheyenne Cason	4/1/2022 10:30:33	ЗАМ	Chenl		
Reviewed By:	To	4/1/22				
Chain of Cust	<u>ody</u>					
1. Is Chain of Cus	stody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the s	ample delivered?		Courier			
Log In						
Was an attemp	t made to cool the samp	oles?	Yes 🗸	No 🗌	NA 🗌	
4. Were all sample	es received at a tempera	ature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in pr	oper container(s)?		Yes 🗸	No 🗌		
6. Sufficient samp	le volume for indicated t	est(s)?	Yes 🗸	No 🗌		
7. Are samples (ex	cept VOA and ONG) pr	operly preserved?	Yes 🗸	No 🗌		
	ve added to bottles?		Yes	No 🗸	NA 🗌	
9. Received at leas	st 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any samp	le containers received b	oroken?	Yes	No 🗸		
	match bottle labels?		Yes 🗸	No 🗌	# of preserved bottles checked for pH:	
	rectly identified on Chai		Yes 🗸	No 🗌	(<2 or >12 t Adjusted?	inless noted)
	nalyses were requested		Yes 🗸	No 🗌	r isjantos.	1.1
14. Were all holding	times able to be met?		Yes 🗸	No 🗆	Checked by: KD	9 4/1/22
Special Handlin						
	ed of all discrepancies v	vith this order?	Yes	No 🗌	NA 🗸	
Person No	otified:	Date	PARTITION PROPERTY.	Company of the State of the Sta		
By Whom	parties become many and promise stops	Via:		hone Fax	In Person	
Regarding	2		WARRANCE CONTRACTOR OF THE PARTY OF THE PART	CANADA CONTRACTOR OF THE PARTY	Whichest & Challest For The San	
Client Inst			A VACATION OF THE STATE OF THE		And any Completion and Annual Security	
	Temp °C Condition 3.7 Good	Seal Intact Seal No Not Present	Seal Date	Signed By		

Chain-of-Custody Record	Turn-Around Time:	Receiv
Client: SMH-(Mslord	D Standard of Rush S AND TATE THE EN	
		JKAIOKY
Mailing Address:	An blood Sin b [1,0] # [4901 Hawkins NE - Alburineria NM s	27100
	Tel. 505-345-3975	
Phone #:	Anal	
email or Fax#: Junn. austa OsudumNer. Can	(0	
age:	SMS	7
☐ Standard ☐ Level 4 (Full Validation)) OS	
:uo	TME (1.1)	
☐ NELAC ☐ Other	SI NO (
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	esti Meth yy 8: 8 M:	шə
Date Time Matrix Sample Name	Container Preservative HEAL No. The State of Type and # Type 70 A1030	S) 072 Olsio
Scil		8
1 292 1	200	
Ë		
1 830	Via: Date 3/31/22	Pag
3/3/32 1900 (Ullum)	Received by: Via: Date Time	ge 68 of
If necessary, samples submitted to Hall Environmental may be subco	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	



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

June 02, 2022

Lynn A. Acosta Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX

RE: Antelope Sink Well 1 OrderNo.: 2205A33

Dear Lynn A. Acosta:

Hall Environmental Analysis Laboratory received 10 sample(s) on 5/24/2022 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

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2205A33**

Date Reported: 6/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH1-3'

Project: Antelope Sink Well 1 **Collection Date:** 5/20/2022

Lab ID: 2205A33-001 **Matrix:** SOIL **Received Date:** 5/24/2022 7:00:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Analyst: NAI

 Chloride
 6500
 300
 mg/Kg
 100 5/27/2022 8:34:07 PM
 67733

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

Page 1 of 13

Lab Order **2205A33**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2022

CLIENT: Souder, Miller & Associates

Client Sample ID: BH1-6'

Project: Antelope Sink Well 1

Collection Date: 5/20/2022

Lab ID: 2205A33-002 **Matrix:** SOIL **Received Date:** 5/24/2022 7:00:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Analyst: NAI

 Chloride
 ND
 59
 mg/Kg
 20
 5/26/2022 11:22:17 PM
 67733

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

Page 2 of 13

2205A33-003

Lab ID:

Analytical Report

Received Date: 5/24/2022 7:00:00 AM

Lab Order 2205A33

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2022

CLIENT: Souder, Miller & Associates Client Sample ID: BH2-3'

Project: Antelope Sink Well 1 **Collection Date:** 5/20/2022

Matrix: SOIL

 Analyses
 Result
 RL Qual Units
 DF Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Analyst: NAI

 Chloride
 4600
 150
 mg/Kg
 50
 5/27/2022 8:46:31 PM
 67733

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

Page 3 of 13

Analytical Report

Lab Order **2205A33**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2022

CLIENT: Souder, Miller & Associates Client Sample ID: BH2-5'

Project: Antelope Sink Well 1 **Collection Date:** 5/20/2022

Lab ID: 2205A33-004 **Matrix:** SOIL **Received Date:** 5/24/2022 7:00:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: NAI
Chloride	ND	60	mg/Kg	20	5/27/2022 8:58:56 PM	67759

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

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2205A33-005

Lab ID:

Analytical Report

Lab Order **2205A33**

Date Reported: 6/2/2022

Received Date: 5/24/2022 7:00:00 AM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH3-3'

Project: Antelope Sink Well 1 **Collection Date:** 5/20/2022

Matrix: SOIL

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Chloride
 2400
 150
 mg/Kg
 50
 5/31/2022 9:50:38 AM
 67759

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

Page 5 of 13

Chloride

Analytical Report

Lab Order 2205A33

Date Reported: 6/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH3-5'

Project: Antelope Sink Well 1 Collection Date: 5/20/2022 Lab ID: 2205A33-006 Matrix: SOIL **Received Date:** 5/24/2022 7:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: NAI 20 5/27/2022 9:23:45 PM 67759

60

mg/Kg

ND

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
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order 2205A33

Date Reported: 6/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH4-3'

Project: Antelope Sink Well 1 Collection Date: 5/20/2022

Lab ID: 2205A33-007 Matrix: SOIL Received Date: 5/24/2022 7:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 2400 150 mg/Kg 5/31/2022 10:03:03 AM 67759 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.3 mg/Kg 5/25/2022 12:06:40 PM 67670 Motor Oil Range Organics (MRO) ND 5/25/2022 12:06:40 PM 67670 46 mg/Kg 1 Surr: DNOP 103 %Rec 5/25/2022 12:06:40 PM 67670 51.1-141 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.8 5/26/2022 9:51:13 AM 67661 mg/Kg Surr: BFB 92.6 37.7-212 %Rec 5/26/2022 9:51:13 AM

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

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Analytical Report

Lab Order **2205A33**

Date Reported: 6/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: BH4-6'

Project: Antelope Sink Well 1

Collection Date: 5/20/2022

Lab ID: 2205A33-008 **Matrix:** SOIL **Received Date:** 5/24/2022 7:00:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	ND	60	mg/Kg	20	5/27/2022 9:48:35 PM	67759
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/25/2022 12:17:25 PM	67670
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/25/2022 12:17:25 PM	67670
Surr: DNOP	72.6	51.1-141	%Rec	1	5/25/2022 12:17:25 PM	67670
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/26/2022 10:14:54 AM	67661
Surr: BFB	94.1	37.7-212	%Rec	1	5/26/2022 10:14:54 AM	67661

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

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Project:

Analytical Report

Lab Order **2205A33**

Collection Date: 5/20/2022

Date Reported: 6/2/2022

Hall Environmental Analysis Laboratory, Inc.

Antelope Sink Well 1

CLIENT: Souder, Miller & Associates Client Sample ID: BH5-2'

Lab ID: 2205A33-009 **Matrix:** SOIL **Received Date:** 5/24/2022 7:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/25/2022 12:28:14 PM	1 67670
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/25/2022 12:28:14 PM	1 67670
Surr: DNOP	78.9	51.1-141	%Rec	1	5/25/2022 12:28:14 PM	1 67670
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/26/2022 10:38:23 AM	1 67661
Surr: BFB	91.9	37.7-212	%Rec	1	5/26/2022 10:38:23 AN	1 67661

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

Page 9 of 13

2205A33-010

Lab ID:

Analytical Report

Lab Order **2205A33**

Received Date: 5/24/2022 7:00:00 AM

Date Reported: 6/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: BH5-3'

Project: Antelope Sink Well 1 **Collection Date:** 5/20/2022

Matrix: SOIL

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.7 mg/Kg 5/25/2022 12:39:00 PM 67670 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 5/25/2022 12:39:00 PM 67670 Surr: DNOP 99.3 51.1-141 %Rec 5/25/2022 12:39:00 PM 67670 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND mg/Kg 5/26/2022 11:01:56 AM 67661 4.9 1 Surr: BFB 90.7 37.7-212 %Rec 5/26/2022 11:01:56 AM 67661

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

02-Jun-22

2205A33

WO#:

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: LCS-67733 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67733 RunNo: 88302

Prep Date: 5/26/2022 Analysis Date: 5/26/2022 SeqNo: 3132780 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.7 90 110

Sample ID: MB-67759 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67759 RunNo: 88373

Prep Date: 5/27/2022 Analysis Date: 5/27/2022 SeqNo: 3134723 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67759 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67759 RunNo: 88373

Prep Date: 5/27/2022 Analysis Date: 5/27/2022 SeqNo: 3134724 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.7 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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2205A33 02-Jun-22

WO#:

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: LCS-67667 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 67667 RunNo: 88262

Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3129962 Units: %Rec

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

Surr: DNOP 6.2 5.000 124 51.1 141

Sample ID: LCS-67670 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 67670 RunNo: 88262

Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3129963 Units: mg/Kg

%REC %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit Qual Diesel Range Organics (DRO) 57 10 50.00 0 115 64.4 127

Surr: DNOP 6.5 5.000 129 51.1 141

Sample ID: MB-67667 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 67667 RunNo: 88262

Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3129964 Units: %Rec

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

Surr: DNOP 9.3 10.00 93.2 51.1 141

Sample ID: MB-67670 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 67670 RunNo: 88262

Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3129965 Units: mq/Kq

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

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.7 10.00 96.8 51.1 141

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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2205A33 02-Jun-22

WO#:

Client: Souder, Miller & Associates

Project: Antelope Sink Well 1

Sample ID: mb-67661 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 67661 RunNo: 88270

Prep Date: 5/24/2022 Analysis Date: 5/26/2022 SeqNo: 3130075 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 900 1000 90.3 37.7 212

Sample ID: Ics-67661 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67661 RunNo: 88270

2100

Prep Date: 5/24/2022 Analysis Date: 5/25/2022 SeqNo: 3130076 Units: mg/Kg

1000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 72.3 Gasoline Range Organics (GRO) 28 5.0 25.00 0 111 137

205

37.7

212

Qualifiers:

Surr: BFB

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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Souder, Miller & Associates	Work Order Nun	nber: 2205A33		RcptNo: 1	
Received By:	Juan Rojas	5/24/2022 7:00:00	AM	Guara 9		
Completed By:	Tracy Casarrubias	5/24/2022 7:59:26	AM			
Reviewed By:	KPG 3.24	. 22				
Chain of Cust	<u>tody</u>					
1. Is Chain of Cu	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In						
	pt made to cool the samp	les?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	les received at a tempera	ture of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗸	No 🗌		
, , , , , , ,	,		162	140		
6. Sufficient samp	ole volume for indicated te	est(s)?	Yes 🗸	No 🗌		
7. Are samples (e	except VOA and ONG) pro	perly preserved?	Yes 🗸	No 🗌		
8. Was preservati	ive added to bottles?		Yes	No 🗸	NA 🗆	
9. Received at lea	ast 1 vial with headspace	<1/4" for AQ VQA?	Yes	No 🗆	NA 🗹	
	ple containers received bi		Yes	No 🗹	IVA 🖭	
			100		# of preserved	
	k match bottle labels?		Yes 🗸	No 🗌	bottles checked for pH:	
	ncies on chain of custody)					unless noted)
	orrectly identified on Chair analyses were requested?	1950	Yes 🔽	No 📙	Adjusted?	
	g times able to be met?		Yes 🔽	No 📙	enecked by: JN	doub
	stomer for authorization.)		Yes 🗸	No 🗌	enecked by:	5/2 1/22
Special Handlir	ng (if applicable)					
	fied of all discrepancies w	ith this order?	Yes	No 🗌	NA 🗹	
Person N	lotified:	Date				
By Whon	n:	Via:	eMail	Phone Fax	☐ In Person	
Regardin	g:					
Client Ins	structions:					
16. Additional rem	arks:					
17. <u>Cooler Inform</u>	ation					
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
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Phone #:									Ā	Analysis		uest	2			22 4
email or Fax#:			Project Manager:	ager:				_		[†] O		(11		-	03.	05.
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June 6, 2022

#5E31368

NMOCD District 2 811 S. First St Aztec, New Mexico 88220

SUBJECT: Remediation Plan for the Antelope Sink #1 Release (nAPP2205926232), Eddy County, New Mexico

To Whom It May Concern

On behalf of FE-NM, LLC, Souder, Miller & Associates (SMA) has prepared this Remediation Plan that describes the delineation and proposed remediation for a release of liquids related to oil and gas production activities at the Antelope Sink Unit #001 site. The site is in Unit G, Section 18, Township 19S, Range 24E, Eddy County, New Mexico, on State land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1, summarizes information regarding the release.

	Table 1: Release Information	on and Closure	Criteria		
Name	Antelope Sink Unit #001	Company	FE-NM		
API Number	30-015-10041	Location	32.66316, -104.62593		
Tracking Number	N/	APP2205926232	2		
Estimated Date of Release	2/17/2022	Date Reported to NMOCD	2/18/2022		
Land Owner	New Mexico State Land	Reported To	NMOCD		
Source of Release	Valve froze which caused the incident				
Released Volume	21 BBL	Released Material	Produced Water		
Recovered Volume	0 BBL	Net Release	21 BBL		
NMOCD Closure Criteria	<50 feet to groundwater				
SMA Response Dates	March 30, 2022 and May 20, 2022				

Antelope Sink Unit #001 Remediation Plan June 6, 2022

Page 2 of 4

1.0 Background

On February 17, 2022, a release was discovered at the Antelope sink #1 site due to a frozen valve. Initial response activities were conducted by operator, and included source elimination, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location, Figures 2 and 3 illustrate the release location. The release notification form is included in Appendix A.

2.0 Site Information and Closure Criteria

The Antelope Sink Unit #001 is an active production facility located approximately 18 miles southwest of Artesia, New Mexico on State land at an elevation of approximately 3823 feet above mean sea level (amsl).

Depth to Groundwater

Based upon New Mexico Office of the State Engineer (Appendix B), depth to groundwater in the area is estimated to be an average of 382 feet below grade surface (bgs). The minimum depth is 285 feet bgs and the maximum is 480 bgs.

Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed tributary of the Fourmile Draw, located approximately 2,554 feet.

Antelope Sink Unit #001 will be restored to meet the standards of Table I of 19.15.29.12 NMAC. Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area. The site is not considered an "exploration, development, production or storage site" and therefore the top four feet must be remediated to the most stringent standards. Additionally, the release area did not occur on land considered "in-use", as outlined by 19.15.29.13.D NMAC. Therefore, the release area shall be reclaimed within the upper four feet to meet the standards of 19.15.29.13.D(1).

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs in addition to the requirements of reclamation for the upper four feet of impacted soil.

3.0 Release Characterization Activities and Findings

On March 30, 2022 and May 20, 2022, SMA personnel performed site delineation activities at the Antelope Sink Unit #001 site. SMA collected soil samples around the release site and throughout the visibly stained area. The area of visual impact was located entirely outside the boundary of any production or storage facilities.

Soil samples were field-screened for chloride using an electrical conductivity (EC) meter.

A total of six (6) borehole locations (BH1-BH6) were investigated using excavated test pits, to depths up to six (6) feet bgs. A minimum of two samples were collected at each sampling location and field-screened using the method above. A total of twenty-six (26) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Released to Imaging: 1/20/2023 3:07:02 PM

Antelope Sink Unit #001 Remediation Plan June 6, 2022

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4.0 Proposed Soil Remediation Work Plan

SMA proposes excavation and removal of contaminated soil. The impacted area will be excavated to approximately two (2) to six (6) feet bgs. SMA will guide the excavation by collecting soil samples for field screening for chloride using an EC meter.

The release area will be excavated to the NMOCD Closure Criteria as demonstrated in the attached Table 2. Confirmation samples will be comprised of representative wall and base 5-point composite samples, each representing less than 200 ft² of exposed excavation (Figure 3A). The confirmation samples will be collected from within the excavation in accordance with the sampling protocol included in Appendix C.

Approximately 575 cubic yards of contaminated soil is projected to be removed and replaced with clean backfill material in order to return the surface to previous contours. The contaminated soil will be transported for disposal at R360 Environmental Solutions near Hobbs, NM, an NMOCD-permitted disposal facility. Upon approval by NMOCD, the projected timeline for completion of remediation activities is approximately 90 Days days following approval.

5.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization, regulatory liaison, and preparing this remediation plan. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either SMA Project Manager, Lynn A. Acosta, at 505516-7469.

Submitted by: SOUDER, MILLER & ASSOCIATES

Reviewed by:

fynn A. Acosta

Lynn A. Acosta Staff Scientist Ashley Maxwell Senior Scientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 6/5/2022 Antelope Sink Unit #001 Remediation Plan June 6, 2022

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ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map

Figure 2: Surface Water Radius Map Figure 3: Site and Sample Location Map

Figure 3A: Confirmation Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria Justification

Table 3: Summary of Sample Results

Appendices:

Appendix A: Release Notification Appendix B: NMOSE Wells Report Appendix C: Sampling Protocol

Appendix D: Laboratory Analytical Reports

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

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 128909

CONDITIONS

Operator:	OGRID:
FE-NM, LLC	331102
1001 E SE Loop 323, STE. 160 Tyler, TX 75711	Action Number: 128909
Tyle:, 1 × 737 11	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created E	Condition Condition	Condition Date
rhamle	The Remediation Plan is Conditionally Approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.	1/20/2023