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APPENDIX B NMOSE WELLS REPORT



5/25/22 5:42 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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APPENDIX C CORRESPONDENCE

From:	Enviro, OCD, EMNRD
To:	Lynn Acosta
Cc:	Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject:	RE: [EXTERNAL] Antelope Sink Well #1 nAPP2205926232
Date:	Tuesday, December 13, 2022 8:15:31 AM
Attachments:	image001.jpg image002.png image003.png image004.png image005.png

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Lynn Acosta <lynn.acosta@soudermiller.com>
Sent: Tuesday, December 13, 2022 5:13 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD
<Robert.Hamlet@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Antelope Sink Well #1 nAPP2205926232

Good Morning,

Souder Miller and Associates (SMA) would like to notify you that SMA will commence confirmation sampling at the Antelope Sink Well #1 for incident nAPP2205926232. SMA personnel are scheduled to arrive on Thursday, December 15th, 2022, to conduct the confirmation sampling at 8:00 am.

If there are any questions/concerns, please feel free to reach out to me.

_

Lynn Acosta, Staff Scientist

Mobile: 505-516-7469



201 W. Halagueno St Carlsbad, NM 88220

From: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Sent: Friday, December 9, 2022 8:57 AM
To: Lynn Acosta <<u>lynn.acosta@soudermiller.com</u>>; Enviro, OCD, EMNRD
<<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>; Hamlet, Robert, EMNRD
<<u>Robert.Hamlet@emnrd.nm.gov</u>>
Subject: RE: [EXTERNAL] Antelope Sink Well #1 nAPP2205926232

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Lynn Acosta <lynn.acosta@soudermiller.com>
Sent: Friday, December 9, 2022 5:24 AM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>; Hamlet, Robert, EMNRD
<<u>Robert.Hamlet@emnrd.nm.gov</u>>

Subject: RE: [EXTERNAL] Antelope Sink Well #1 nAPP2205926232

All,

Due to some unforeseen circumstances during excavation. Confirmation sampling has been moved to next week, there will be another email sent out as soon as there is a confirmed date of the confirmation sampling. I just viewed this email and responded to the original notice I sent out so there might be two emails saying this.

Thank you for clarifying on the notice requirements.

Please let me know if you have any questions/concerns.

From: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Sent: Thursday, December 8, 2022 8:30 AM
To: Lynn Acosta <<u>lynn.acosta@soudermiller.com</u>>
Cc: Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>; Hamlet, Robert, EMNRD
<<u>Robert.Hamlet@emnrd.nm.gov</u>>
Subject: RE: [EXTERNAL] Antelope Sink Well #1 nAPP2205926232

Please be aware that notification requirements are **two business days**, per rule. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Lynn Acosta <lynn.acosta@soudermiller.com>
Sent: Wednesday, December 7, 2022 7:06 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Karen Charles <<u>kcharles@faulenergy.com</u>>; Lupe Mendoza <<u>lmendoza@faulenergy.com</u>>; Chris
Nakvinda <<u>cnakvinda@faulenergy.com</u>>; Heather Woods <<u>Heather.Woods@soudermiller.com</u>>
Subject: [EXTERNAL] Antelope Sink Well #1 nAPP2205926232

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Souder Miller and Associates (SMA) would like to notify you that SMA will commence confirmation

sampling at the Antelope Sink Well #1 for incident nAPP2205926232. SMA personnel are scheduled to arrive on Friday, December 9th, 2022, to conduct the confirmation sampling at 8:00 am.

If there are any questions/concerns, please feel free to reach out to me.

Best Regards,



Lynn Acosta, Staff Scientist Mobile: 505-516-7469

201 W. Halagueno St Carlsbad, NM 88220

TABLES

Table 2: NMOCD Closure Criteria

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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)						
		Closure Criteria (units in mg/kg)				
Depth to Groundwater		Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene
< 50' BGS	X	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 plava lake?	No	-				
Water Well or Water Source						
<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 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					

Table 3: Summary of Confirmation Sample Results

•

Antel	nne	Sink	W/ell	#1
7 111001	opc.	21111	vvcn	

		Donth of Sample	Action	Method 8021B Method 8015D			Method 300.0			
Sample ID	Sample Date	(feet bgs)	Taken	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
	NMOCD	Closure Criteria		50	10	-	-		100	600
CBS1			In-Situ	<0.217	<0.024	<4.8	<15	<50	<69.8	<60
CBS2			In-Situ	<0.220	<0.024	<4.9	<9.3	<47	<69.9	<60
CBS3			In-Situ	<0.220	<0.024	<4.9	<13	<43	<60.9	<60
CBS4			In-Situ	<0.217	<0.024	<4.8	<13	<43	<60.8	<60
CBS5			In-Situ	<0.220	<0.024	<4.9	<15	<48	<67.9	<60
CBS6			In-Situ	<0.220	<0.024	<4.9	<9.6	<48	<62.9	<60
CBS7		5'	In-Situ	<0.219	<0.024	<4.9	<15	<49	<68.9	<60
CBS8	12/15/2022		In-Situ	<0.222	<0.025	<4.9	<14	<48	<66.9	<60
CBS9			In-Situ	<0.222	<0.025	<4.9	<13	<43	<60.9	<60
CBS10			In-Situ	<0.216	<0.024	<4.8	<14	<47	<65.8	<60
CBS11			In-Situ	<0.220	<0.024	<4.9	<15	<50	<69.9	<60
CBS12			In-Situ	<0.225	<0.025	<5.0	<14	<46	<65	<60
CBS13			In-Situ	<0.220	<0.024	<4.9	<13	<45	<62.9	<60
CBS14		2	In-Situ	<0.217	<0.024	<4.8	<13	<43	<60.8	<60
CBS15		2	In-Situ	<0.224	<0.025	<5.0	<14	<46	<65	<60
CSW1			In-Situ	<0.217	<0.024	<4.8	<15	<50	<69.8	<60
CSW2			In-Situ	<0.217	<0.024	<4.8	<15	<49	<68.8	<60
CSW3		د.	In-Situ	<0.221	<0.025	<4.9	<15	<48	<67.9	<60
CSW4		5	In-Situ	<0.225	<0.024	<5.0	<14	<47	<66	<60
CSW5			In-Situ	<0.216	<0.024	<4.8	<15	<49	<68.8	<60
CSW6			In-Situ	<0.219	<0.024	<4.9	<14	<45	<63.9	<60
CSW7			In-Situ	<0.222	<0.025	<4.9	<13	<44	<61.9	<60
CSW8	12/15/2022	2	In-Situ	<0.219	<0.024	<4.9	<15	<49	<68.9	<60
CSW9	12/15/2022		In-Situ	<0.221	<0.025	<4.9	<14	<45	<63.9	<60
CSW10			In-Situ	<0.221	<0.025	<4.9	<15	<49	<68.9	<60
CSW11			In-Situ	<0.216	<0.024	<4.8	<15	<49	<68.8	<60
CSW12			In-Situ	<0.219	<0.024	<4.9	<14	<47	<65.9	<60
CSW13		5'	In-Situ	<0.220	<0.024	<4.9	<14	<47	<65.9	<60
CSW14			In-Situ	<0.216	<0.024	<4.8	<13	<43	<60.8	<60
CSW15			In-Situ	<0.219	<0.024	<4.9	<13	<44	<61.9	<60
CSW16			In-Situ	<0.217	<0.024	<4.8	<14	<47	<65.8	<60

"-" = Not Analyzed

BG: Background sample

			1 uge 11 0
<u>vistrict 1</u> 625 N. French Dr. Hobbs, NM 88240	State o	of New Mexico	CEIVED Form C-14
istrict II 301 W Grand Avenue, Artesia, NM 88210	Energy Mineral	s and Natural Resources	Revised October 10, 200
istrict III DOO Bio Brizos Bood, Azteo, NM 87410	Oil Cons	Jb - I ZUIUSubmit 2 Copies to appropriat	
istrict IV	1220 Sou	th St. Francis Dr. NMO	CD ARTESIA with Rule 116 on back
220 S. St. Francis Dr., Santa Fe, NM 87505	Santa	Fe, NM 87505	side of for
30-015-1004/ Rel	ease Notification	on and Corrective Actio	n
mw/1035542428	ulonal	OPERATOR	Initial Report 🗌 Final Repo
Name of Company Vernon E. Faulconer, I Address 1001 ESE LOOP 323 TYLER. TH	nc. /48394 EXAS 75701	Telephone No. 903-581-4382	
Facility Name ANTELOPE SINK #1		Facility Type WELL & TANK E	BATTERY
Surface Owner JOE HELMS	Mineral Owner	r STATE OF NEW MEXICO	Lease No. NM015-0027 NM015-0028
	LOCATI	NN OF DEL EAGE	
Unit Letter Section Township Range	Feet from the Nor	th/South Line Feet from the East	t/West Line County
<u>G</u> <u>18</u> <u>195</u> <u>24E</u>	1890 NO	RTH 2070 EAS	ST EDDÝ
L	atitude 32.6632	Longitude 104.6260	
	NATUR	E OF RELEASE	
Type of Release CONDENSATE		Volume of Release 120 BBLS	Volume Recovered 0
Source of Release TANK FAILURE (LIGHT)	NING)	Date and Hour of Occurrence 7/28/10 4 PM	Date and Hour of Discovery 7/28/10 4 PM
Was Immediate Notice Given?] No 🗌 Not Require	If YES, To Whom? DARREL GRAY with New Mex	ico Oil Conservation Division, called VEF
By Whom? ATOKA FIRE DEPARTMENT		Date and Hour 5:15 PM MOU	NTAIN TIME 7/28/10
Was a Watercourse Reached?	2	If YES, Volume Impacting the W	atercourse.
If a Watercourse was Impacted, Describe Fully	*		
If a Watercourse was Impacted, Describe Fully Describe Cause of Problem and Remedial Action	* on Taken.* fire. Bottom of tank split	t releasing contents Most contents bur	ned Cleaned up & removed damaged tank
If a Watercourse was Impacted, Describe Fully Describe Cause of Problem and Remedial Action Lightning struck tank resulting in explosion & T Repipe well to produce into one tank remaining	* on Taken.* fire. Bottom of tank split 5 on location.	t releasing contents. Most contents burn	ned. Cleaned up & removed damaged tank.
If a Watercourse was Impacted, Describe Fully Describe Cause of Problem and Remedial Action Lightning struck tank resulting in explosion & T Repipe well to produce into one tank remaining Describe Area Affected and Cleanup Action Ta	* on Taken.* fire. Bottom of tank split s on location. ken.*	t releasing contents. Most contents burn	ned. Cleaned up & removed damaged tank.
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Released to Imaging: 5/22/2023 9:52:51 AM

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

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

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party FE-NM, LLC	OGRID 331102
Contact Name Karen Charles	Contact Telephone 903-581-4382
Contact email kcharles@faulenergy.com	Incident # (assigned by OCD) nKMW1035542428
Contact mailing address PO Box 7995, Tyler, TX 75711	

Location of Release Source

Latitude	
----------	--

32.66316

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Antelope Sink Unit #001	Site Type Gas Well
Date Release Discovered 7/28/2010	API# (<i>if applicable</i>) 30-015-10041

Unit Letter	Section	Township	Range	County
G	18	19S	24E	Eddy

Surface Owner: X State Federal Tribal Private (Name:

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
X Condensate	Volume Released (bbls) 120	Volume Recovered (bbls) 0
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Lightning struck tank resulting in explosion & fire.

Bottom of the tank split, releasing contents. Most of the contents burned. The area was cleaned up & damaged tank removed. Re-piped well to produce into other tank remaining on location.

Incident ID	
District RP	
Facility ID	
Application ID	

Page 13 of 72

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	per NMOCD regulations
19.15.29.7(A) NMAC?	per NWOED regulations
X Yes No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, by Atoka Fire Department to Vernon E. Faulconer, Inc. Op# 145394 (Operator at the time) who in turn contacted Darrel Gray with	
New Mexico Oil Conser	vation Division via phone call.
1	

Initial Response

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

X The source of the release has been stopped.

X 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.

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

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

Condensate burned up. Initial C-141 was filed by Roy Sloan, Jr. on 7/29/2010. This is informational in order to complete the process online now.

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 Charles	Title: Production Analyst
Signature: <u>Karen Charles</u>	Date: <u>7/26/2022</u>
email: kcharles@faulenergy.com	Telephone:903-581-4382
OCD Only	
Received by:	Date:

Page 2

Received by OCD: 1/23/2023 3:43:26 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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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 🔀 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 X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🕅 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

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

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

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

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

eceived by OCD: 1/23/2023 3:43:26 PM			Page 15 of 72	
ГОПП С- 141	Oil Conservation Division		Incident ID	
Page 4		1	District RP	
			Facility ID	
			Application ID	
I hereby certify that the inform regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>Karen C</u> Signature: <u>Karen C</u> email: <u>kcharles@faule</u>	mation given above is true and complete to the equired to report and/or file certain release meters. The acceptance of a C-141 report by the te and remediate contamination that pose a the a C-141 report does not relieve the operator Charles	he best of my knowledge a otifications and perform co e OCD does not relieve the meat to groundwater, surfa of responsibility for comp 	nd understand that pursu prrective actions for relea e operator of liability sho ace water, human health liance with any other fed n Analyst 2	ant to OCD rules and ases which may endanger build their operations have or the environment. In leral, state, or local laws
0.072.0.1				

Received by OCD: 1/23/2023 3:43:26 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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Remediation Plan

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

 \mathbf{X} Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 \mathbf{X} Estimated volume of material to be remediated

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

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

Deformal Degreests Only: Fach of the following items must be son	firmed as part of any request for deformal of remediation	
Deterral Requests Only: Each of the following tems must be conj	urmea as part of any request for aejerrat of remeatation.	
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility	
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: <u>7/26/2022</u>	
email: <u>kcharles@faulenergy.com</u>	Telephone: <u>903-581-4382</u> , ext. 233	
OCD Only		
Received by:	Date:	
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved	
Signature:	Date:	

Page 5

Oil Conservation Division

Incident ID	nKMW1035542428
District RP	
Facility ID	
Application ID	

Closure

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

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

 \mathbf{X} A scaled site and sampling diagram as described in 19.15.29.11 NMAC

X Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

X Description of remediation activities

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

Printed Name: Karen Charles	Title: Sr. Production & Regulatory Analsyt
Signature: Karen Charles	Date: 01/13/2023

email: kcharles@faulenergy.com

Telephone: 903-581-4382

OCD Only

Page 6

Received by:

Date:

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

Closure Approved by:	Date:
Printed Name:	Title:

Oil Conservation Division

Incident ID	nKMW1035542428
District RP	
Facility ID	
Application ID	

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Printed Name:	Karen Charles	Title:	Sr. Production & Regulatory Analsyt
_		-	

Date: 01/13/2023

Signature: Karen Charles

email: kcharles@faulenergy.com

Telephone: 903-581-4382

OCD Only

Page 6

Received by:

Date:

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

Closure Approved by:	Date:
Printed Name:	Title:

Oil Conservation Division

Incident ID	nKMW1035542428
District RP	
Facility ID	
Application ID	

Closure

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Printed Name:	Karen Charles	Title: Sr. Production & Regulatory Analsyt

Signature: <u>Karen Charles</u>

email: kcharles@faulenergy.com

Date: 01/13/2023

Telephone: <u>903-581-4382</u>

OCD Only

Page 6

Received by: Robert Hamlet

Date: 5/22/2023

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

Closure Approved by: <u>Robert Hamlet</u>	Date:5/22/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

FIGURES

Received by OCD: 1/23/2023 3:43:26 PM

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Received by OCD: 1/23/2023 3:43:26 PM



Released to Imaging: 5/22/2023 9:52:51 AM

APPENDIX D PHOTOLOG

NW

N 0

© 12°N (T) ● 32°17'12"N, 104°42'18"W ±16496ft ▲ 3769ft

NE

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Released to Imaging: 5/22/2023 9:52:51 AM





Released to Imaging: 5/22/2023 9:52:51 AM





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Released to Imaging: 5/22/2023 9:52:51 AM





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Released to Imaging: 5/22/2023 9:52:51 AM

APPENDIX F LABORATORY ANALYTICAL REPORT



December 29, 2022

Lynn A. Acosta Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-8801 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2212A84

RE: Antelope Sink 001

Dear Lynn A. Acosta:

Hall Environmental Analysis Laboratory received 31 sample(s) on 12/17/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates	Client Sample ID: CBS-1					
Project:	Antelope Sink 001		(Collection Date	e: 12	/15/2022	
Lab ID:	2212A84-001	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	JMT
Chloride		ND	60	mg/Kg	20	12/22/2022 4:41:52 PM	72277
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH
Diesel Range Organics (DRO)		ND	15	mg/Kg	1	12/21/2022 4:13:12 PM	72215
Motor Oil Range Organics (MRO)		ND	50	mg/Kg	1	12/21/2022 4:13:12 PM	72215
Surr: DNOP		108	21-129	%Rec	1	12/21/2022 4:13:12 PM	72215
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	ССМ
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 9:39:00 PM	72183
Surr: E	3FB	99.3	37.7-212	%Rec	1	12/21/2022 9:39:00 PM	72183
EPA MET	HOD 8021B: VOLATILES					Analyst	ССМ
Benzene		ND	0.024	mg/Kg	1	12/21/2022 9:39:00 PM	72183
Toluene		ND	0.048	mg/Kg	1	12/21/2022 9:39:00 PM	72183
Ethylben	zene	ND	0.048	mg/Kg	1	12/21/2022 9:39:00 PM	72183
Xylenes,	Total	ND	0.097	mg/Kg	1	12/21/2022 9:39:00 PM	72183
Surr: 4	1-Bromofluorobenzene	111	70-130	%Rec	1	12/21/2022 9:39:00 PM	72183

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

Qualifiers:

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

Page 1 of 38

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates	Client Sample ID: CBS-2					
Project:	Antelope Sink 001		(Collection Date	e: 12	/15/2022	
Lab ID:	2212A84-002	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride		ND	60	mg/Kg	20	12/22/2022 4:54:17 PM	72277
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	DGH
Diesel Range Organics (DRO)		ND	15	mg/Kg	1	12/21/2022 4:23:51 PM	72215
Motor Oil Range Organics (MRO)		ND	50	mg/Kg	1	12/21/2022 4:23:51 PM	72215
Surr: E	DNOP	127	21-129	%Rec	1	12/21/2022 4:23:51 PM	72215
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst:	ССМ
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 9:59:00 PM	72183
Surr: E	3FB	100	37.7-212	%Rec	1	12/21/2022 9:59:00 PM	72183
EPA MET	HOD 8021B: VOLATILES					Analyst:	ССМ
Benzene		ND	0.024	mg/Kg	1	12/21/2022 9:59:00 PM	72183
Toluene		ND	0.049	mg/Kg	1	12/21/2022 9:59:00 PM	72183
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 9:59:00 PM	72183
Xylenes,	Total	ND	0.098	mg/Kg	1	12/21/2022 9:59:00 PM	72183
Surr: 4	1-Bromofluorobenzene	112	70-130	%Rec	1	12/21/2022 9:59:00 PM	72183

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

Qualifiers:

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

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001	Client Sample ID: CBS-3 Collection Date: 12/15/2022						
Lab ID:	2212A84-003	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS					Analyst:	JMT	
Chloride		ND	60	mg/Kg	20	12/22/2022 5:06:41 PM	72277	
EPA MET	HOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst:	DGH	
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	12/21/2022 4:34:32 PM	72215	
Motor Oi	Range Organics (MRO)	ND	43	mg/Kg	1	12/21/2022 4:34:32 PM	72215	
Surr: [DNOP	113	21-129	%Rec	1	12/21/2022 4:34:32 PM	72215	
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst:	ССМ	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 10:18:00 PM	172183	
Surr: E	3FB	95.8	37.7-212	%Rec	1	12/21/2022 10:18:00 PM	172183	
EPA MET	HOD 8021B: VOLATILES					Analyst:	ССМ	
Benzene		ND	0.024	mg/Kg	1	12/21/2022 10:18:00 PM	172183	
Toluene		ND	0.049	mg/Kg	1	12/21/2022 10:18:00 PM	172183	
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 10:18:00 PM	172183	
Xylenes,	Total	ND	0.098	mg/Kg	1	12/21/2022 10:18:00 PM	172183	
Surr: 4	1-Bromofluorobenzene	107	70-130	%Rec	1	12/21/2022 10·18·00 PM	72183	

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

Qualifiers:

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

Page 3 of 38
Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates	Client Sample ID: CBS-4 Collection Date: 12/15/2022							
Project:	Antelope Sink 001								
Lab ID:	2212A84-004	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	1		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analys	: JMT		
Chloride		ND	61	mg/Kg	20	12/22/2022 5:19:05 PM	72277		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: DGH		
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	12/21/2022 4:45:20 PM	72215		
Motor Oil	Range Organics (MRO)	ND	43	mg/Kg	1	12/21/2022 4:45:20 PM	72215		
Surr: D	DNOP	111	21-129	%Rec	1	12/21/2022 4:45:20 PM	1 72215		
EPA MET	HOD 8015D: GASOLINE RANG	E				Analys	CCM		
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 10:38:00 P	M 72183		
Surr: E	3FB	105	37.7-212	%Rec	1	12/21/2022 10:38:00 P	M 72183		
EPA MET	HOD 8021B: VOLATILES					Analys	CCM		
Benzene		ND	0.024	mg/Kg	1	12/21/2022 10:38:00 P	M 72183		
Toluene		ND	0.048	mg/Kg	1	12/21/2022 10:38:00 P	M 72183		
Ethylben	zene	ND	0.048	mg/Kg	1	12/21/2022 10:38:00 P	M 72183		
Xylenes,	Total	ND	0.097	mg/Kg	1	12/21/2022 10:38:00 P	M 72183		
Surr: 4	1-Bromofluorobenzene	111	70-130	%Rec	1	12/21/2022 10:38:00 P	M 72183		

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D: CE	3S-5		
Project:	Antelope Sink 001	Collection Date: 12/15/2022							
Lab ID:	2212A84-005	Matrix: SOIL		Receiv	ved Dat	e: 12/	/17/2022 10:00:00 AM		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS						Analyst:	JMT	
Chloride		ND	60		mg/Kg	20	12/22/2022 5:31:30 PM	72277	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	DGH	
Diesel Ra	ange Organics (DRO)	ND	15		mg/Kg	1	12/21/2022 6:58:02 PM	72215	
Motor Oil	I Range Organics (MRO)	ND	48		mg/Kg	1	12/21/2022 6:58:02 PM	72215	
Surr: E	DNOP	144	21-129	S	%Rec	1	12/21/2022 6:58:02 PM	72215	
EPA MET	HOD 8015D: GASOLINE RANG	E					Analyst:	ССМ	
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	12/21/2022 10:58:00 PM	172183	
Surr: E	3FB	102	37.7-212		%Rec	1	12/21/2022 10:58:00 PM	172183	
EPA MET	HOD 8021B: VOLATILES						Analyst:	ССМ	
Benzene		ND	0.024		mg/Kg	1	12/21/2022 10:58:00 PM	172183	
Toluene		ND	0.049		mg/Kg	1	12/21/2022 10:58:00 PM	1 72183	
Ethylben	zene	ND	0.049		mg/Kg	1	12/21/2022 10:58:00 PM	1 72183	
Xylenes,	Total	ND	0.098		mg/Kg	1	12/21/2022 10:58:00 PM	172183	
Surr: 4	1-Bromofluorobenzene	113	70-130		%Rec	1	12/21/2022 10:58:00 PM	172183	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	D: CE	3S-6			
Project:	Antelope Sink 001	Collection Date: 12/15/2022							
Lab ID:	2212A84-006	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 A	М		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA MET	THOD 300.0: ANIONS					Analy	st: JMT		
Chloride		ND	60	mg/Kg	20	12/23/2022 4:54:17 A	M 72290		
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analy	st: DGH		
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	12/21/2022 11:54:05	PM 72215		
Motor Oi	l Range Organics (MRO)	ND	45	mg/Kg	1	12/21/2022 11:54:05	PM 72215		
Surr: [DNOP	121	21-129	%Rec	1	12/21/2022 11:54:05	PM 72215		
EPA MET	THOD 8015D: GASOLINE RANG	E				Analy	st: CCM		
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 11:17:00	PM 72183		
Surr: E	BFB	98.0	37.7-212	%Rec	1	12/21/2022 11:17:00	PM 72183		
EPA MET	THOD 8021B: VOLATILES					Analy	st: CCM		
Benzene)	ND	0.024	mg/Kg	1	12/21/2022 11:17:00	PM 72183		
Toluene		ND	0.049	mg/Kg	1	12/21/2022 11:17:00	PM 72183		
Ethylben	izene	ND	0.049	mg/Kg	1	12/21/2022 11:17:00	PM 72183		
Xylenes,	Total	ND	0.098	mg/Kg	1	12/21/2022 11:17:00	PM 72183		
Surr: 4	4-Bromofluorobenzene	107	70-130	%Rec	1	12/21/2022 11:17:00	PM 72183		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001		CI	ient Sample II Collection Dat	D: CH e: 12	3S-15 /15/2022
Lab ID:	2212A84-015	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM
Analyses		Result	RL	Qual Units	DF	Date Analyzed Batch
EPA MET	HOD 300.0: ANIONS					Analyst: JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 9:11:27 AM 72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 2:01:13 AM 72228
Motor Oi	I Range Organics (MRO)	ND	46	mg/Kg	1	12/22/2022 2:01:13 AM 72228
Surr: [DNOP	94.8	21-129	%Rec	1	12/22/2022 2:01:13 AM 72228
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: CCM
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	12/21/2022 11:58:00 AM 72191
Surr: E	3FB	105	37.7-212	%Rec	1	12/21/2022 11:58:00 AM 72191
EPA MET	HOD 8021B: VOLATILES					Analyst: CCM
Benzene	1	ND	0.025	mg/Kg	1	12/21/2022 11:58:00 AM 72191
Toluene		ND	0.050	mg/Kg	1	12/21/2022 11:58:00 AM 72191
Ethylben	zene	ND	0.050	mg/Kg	1	12/21/2022 11:58:00 AM 72191
Xylenes,	Total	ND	0.099	mg/Kg	1	12/21/2022 11:58:00 AM 72191
Surr: 4	4-Bromofluorobenzene	114	70-130	%Rec	1	12/21/2022 11:58:00 AM 72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001		Cl (ient Sa Collect	ample II tion Dat	D: CS e: 12,	SW-1 /15/2022	
Lab ID:	2212A84-016	Matrix: SOIL		Recei	ved Dat	e: 12,	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS						Analyst:	JTT
Chloride		ND	60		mg/Kg	20	12/23/2022 9:23:52 AM	72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	DGH
Diesel Ra	ange Organics (DRO)	ND	15		mg/Kg	1	12/22/2022 2:32:28 AM	72228
Motor Oil	Range Organics (MRO)	ND	50		mg/Kg	1	12/22/2022 2:32:28 AM	72228
Surr: D	DNOP	148	21-129	S	%Rec	1	12/22/2022 2:32:28 AM	72228
EPA MET	HOD 8015D: GASOLINE RANGE						Analyst:	ССМ
Gasoline	Range Organics (GRO)	ND	4.8		mg/Kg	1	12/21/2022 1:07:00 PM	72191
Surr: E	3FB	106	37.7-212		%Rec	1	12/21/2022 1:07:00 PM	72191
EPA MET	HOD 8021B: VOLATILES						Analyst:	ССМ
Benzene		ND	0.024		mg/Kg	1	12/21/2022 1:07:00 PM	72191
Toluene		ND	0.048		mg/Kg	1	12/21/2022 1:07:00 PM	72191
Ethylben	zene	ND	0.048		mg/Kg	1	12/21/2022 1:07:00 PM	72191
Xylenes,	Total	ND	0.097		mg/Kg	1	12/21/2022 1:07:00 PM	72191
Surr: 4	I-Bromofluorobenzene	114	70-130		%Rec	1	12/21/2022 1:07:00 PM	72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: S	Souder, Miller & Associates		Cl	ient Sample II	D: CS	SW-2	
Project: A	Antelope Sink 001		(Collection Dat	e: 12	/15/2022	
Lab ID: 2	2212A84-017	Matrix: SOIL		Received Dat	e: 12	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METH	IOD 300.0: ANIONS					Analyst:	JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 9:36:17 AM	72293
EPA METH	IOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	DGH
Diesel Ran	nge Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 2:42:51 AM	72228
Motor Oil F	Range Organics (MRO)	ND	49	mg/Kg	1	12/22/2022 2:42:51 AM	72228
Surr: DN	NOP	127	21-129	%Rec	1	12/22/2022 2:42:51 AM	72228
EPA METH	IOD 8015D: GASOLINE RANGE					Analyst:	ССМ
Gasoline R	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 2:07:00 PM	72191
Surr: BF	B	105	37.7-212	%Rec	1	12/21/2022 2:07:00 PM	72191
EPA METH	IOD 8021B: VOLATILES					Analyst:	ССМ
Benzene		ND	0.024	mg/Kg	1	12/21/2022 2:07:00 PM	72191
Toluene		ND	0.048	mg/Kg	1	12/21/2022 2:07:00 PM	72191
Ethylbenze	ene	ND	0.048	mg/Kg	1	12/21/2022 2:07:00 PM	72191
Xylenes, T	otal	ND	0.097	mg/Kg	1	12/21/2022 2:07:00 PM	72191
Surr: 4-E	Bromofluorobenzene	113	70-130	%Rec	1	12/21/2022 2:07:00 PM	72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001		CI	ient Sample II Collection Dat	D: CS e: 12	SW-3 /15/2022	
Lab ID:	2212A84-018	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 9:48:41 AM	72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: I	DGH
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 2:53:14 AM	72228
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	12/22/2022 2:53:14 AM	72228
Surr: D	DNOP	105	21-129	%Rec	1	12/22/2022 2:53:14 AM	72228
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst:	ССМ
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 2:26:00 PM	72191
Surr: E	3FB	93.6	37.7-212	%Rec	1	12/21/2022 2:26:00 PM	72191
EPA MET	HOD 8021B: VOLATILES					Analyst:	ССМ
Benzene		ND	0.025	mg/Kg	1	12/21/2022 2:26:00 PM	72191
Toluene		ND	0.049	mg/Kg	1	12/21/2022 2:26:00 PM	72191
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 2:26:00 PM	72191
Xylenes,	Total	ND	0.098	mg/Kg	1	12/21/2022 2:26:00 PM	72191
Surr: 4	I-Bromofluorobenzene	105	70-130	%Rec	1	12/21/2022 2:26:00 PM	72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001		CI (ient Sample II Collection Dat	D: CS e: 12	SW-4 /15/2022	
Lab ID:	2212A84-019	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 10:01:06 AN	1 72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	DGH
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 3:03:39 AM	72228
Motor Oi	I Range Organics (MRO)	ND	47	mg/Kg	1	12/22/2022 3:03:39 AM	72228
Surr: E	ONOP	116	21-129	%Rec	1	12/22/2022 3:03:39 AM	72228
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst:	ССМ
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	12/21/2022 2:46:00 PM	72191
Surr: E	3FB	93.0	37.7-212	%Rec	1	12/21/2022 2:46:00 PM	72191
EPA MET	HOD 8021B: VOLATILES					Analyst:	ССМ
Benzene	1	ND	0.025	mg/Kg	1	12/21/2022 2:46:00 PM	72191
Toluene		ND	0.050	mg/Kg	1	12/21/2022 2:46:00 PM	72191
Ethylben	zene	ND	0.050	mg/Kg	1	12/21/2022 2:46:00 PM	72191
Xylenes,	Total	ND	0.10	mg/Kg	1	12/21/2022 2:46:00 PM	72191
Surr: 4	1-Bromofluorobenzene	101	70-130	%Rec	1	12/21/2022 2:46:00 PM	72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001		Cl	ient Sample II Collection Dat	D: CS e: 12	SW-5 /15/2022
Lab ID:	2212A84-020	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM
Analyses		Result	RL	Qual Units	DF	Date Analyzed Batch
EPA MET	HOD 300.0: ANIONS					Analyst: JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 10:13:30 AM 72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 3:14:07 AM 72228
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	12/22/2022 3:14:07 AM 72228
Surr: D	DNOP	113	21-129	%Rec	1	12/22/2022 3:14:07 AM 72228
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 3:05:00 PM 72191
Surr: E	3FB	104	37.7-212	%Rec	1	12/21/2022 3:05:00 PM 72191
EPA MET	HOD 8021B: VOLATILES					Analyst: CCM
Benzene		ND	0.024	mg/Kg	1	12/21/2022 3:05:00 PM 72191
Toluene		ND	0.048	mg/Kg	1	12/21/2022 3:05:00 PM 72191
Ethylben	zene	ND	0.048	mg/Kg	1	12/21/2022 3:05:00 PM 72191
Xylenes,	Total	ND	0.096	mg/Kg	1	12/21/2022 3:05:00 PM 72191
Surr: 4	-Bromofluorobenzene	110	70-130	%Rec	1	12/21/2022 3:05:00 PM 72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001		CI	ient Sample II Collection Dat	D: CS e: 12	SW-6 /15/2022
Lab ID:	2212A84-021	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM
Analyses		Result	RL	Qual Units	DF	Date Analyzed Batch
EPA MET	HOD 300.0: ANIONS					Analyst: JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 10:25:55 AM 72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 3:24:35 AM 72228
Motor Oil	Range Organics (MRO)	ND	45	mg/Kg	1	12/22/2022 3:24:35 AM 72228
Surr: D	DNOP	109	21-129	%Rec	1	12/22/2022 3:24:35 AM 72228
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: CCM
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 3:25:00 PM 72191
Surr: E	3FB	99.1	37.7-212	%Rec	1	12/21/2022 3:25:00 PM 72191
EPA MET	HOD 8021B: VOLATILES					Analyst: CCM
Benzene		ND	0.024	mg/Kg	1	12/21/2022 3:25:00 PM 72191
Toluene		ND	0.049	mg/Kg	1	12/21/2022 3:25:00 PM 72191
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 3:25:00 PM 72191
Xylenes,	Total	ND	0.097	mg/Kg	1	12/21/2022 3:25:00 PM 72191
Surr: 4	I-Bromofluorobenzene	107	70-130	%Rec	1	12/21/2022 3:25:00 PM 72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II): CS	SW-7	
Project:	Antelope Sink 001		(Collection Dat	e: 12	/15/2022	
Lab ID:	2212A84-022	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	JTT
Chloride		ND	60	mg/Kg	20	12/23/2022 11:03:09 AM	72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	DGH
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	12/22/2022 3:35:04 AM	72228
Motor Oil	Range Organics (MRO)	ND	44	mg/Kg	1	12/22/2022 3:35:04 AM	72228
Surr: [DNOP	121	21-129	%Rec	1	12/22/2022 3:35:04 AM	72228
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst:	ссм
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 3:45:00 PM	72191
Surr: E	3FB	102	37.7-212	%Rec	1	12/21/2022 3:45:00 PM	72191
EPA MET	HOD 8021B: VOLATILES					Analyst:	ССМ
Benzene		ND	0.025	mg/Kg	1	12/21/2022 3:45:00 PM	72191
Toluene		ND	0.049	mg/Kg	1	12/21/2022 3:45:00 PM	72191
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 3:45:00 PM	72191
Xylenes,	Total	ND	0.099	mg/Kg	1	12/21/2022 3:45:00 PM	72191
Surr: 4	I-Bromofluorobenzene	113	70-130	%Rec	1	12/21/2022 3:45:00 PM	72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D: CS	SW-8	
Project:	Antelope Sink 001		(Collect	tion Dat	e: 12	/15/2022	
Lab ID:	2212A84-023	Matrix: SOIL		Recei	ved Dat	e: 12	/17/2022 10:00:00 AN	Λ
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS						Analys	st: JTT
Chloride		ND	59		mg/Kg	20	12/23/2022 11:15:34 A	M 72293
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	st: DGH
Diesel R	ange Organics (DRO)	ND	15		mg/Kg	1	12/22/2022 10:42:03 F	PM 72256
Motor Oi	I Range Organics (MRO)	ND	49		mg/Kg	1	12/22/2022 10:42:03 F	PM 72256
Surr: [ONOP	129	21-129	S	%Rec	1	12/22/2022 10:42:03 F	PM 72256
EPA MET	HOD 8015D: GASOLINE RANG	E					Analys	st: CCM
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	12/21/2022 4:05:00 PM	M 72191
Surr: E	3FB	99.4	37.7-212		%Rec	1	12/21/2022 4:05:00 PM	M 72191
EPA MET	HOD 8021B: VOLATILES						Analys	st: CCM
Benzene		ND	0.024		mg/Kg	1	12/21/2022 4:05:00 PM	M 72191
Toluene		ND	0.049		mg/Kg	1	12/21/2022 4:05:00 PM	N 72191
Ethylben	zene	ND	0.049		mg/Kg	1	12/21/2022 4:05:00 PM	M 72191
Xylenes,	Total	ND	0.097		mg/Kg	1	12/21/2022 4:05:00 PM	M 72191
Surr: 4	4-Bromofluorobenzene	110	70-130		%Rec	1	12/21/2022 4:05:00 PM	A 72191

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001	Client Sample ID: CSW-9 Collection Date: 12/15/2022								
Lab ID:	2212A84-024	Matrix: SOIL	/17/2022 10:00:00 AM							
Analyses		Result	RL	Qual Units	DF	Date Analyzed Batch				
EPA MET	HOD 300.0: ANIONS					Analyst: JTT				
Chloride		ND	61	mg/Kg	20	12/23/2022 11:27:59 AM 72293				
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH				
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 10:52:39 PM 72256				
Motor Oi	Range Organics (MRO)	ND	45	mg/Kg	1	12/22/2022 10:52:39 PM 72256				
Surr: E	DNOP	118	21-129	%Rec	1	12/22/2022 10:52:39 PM 72256				
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: CCM				
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 4:24:00 PM 72191				
Surr: E	3FB	103	37.7-212	%Rec	1	12/21/2022 4:24:00 PM 72191				
EPA MET	HOD 8021B: VOLATILES					Analyst: CCM				
Benzene		ND	0.025	mg/Kg	1	12/21/2022 4:24:00 PM 72191				
Toluene		ND	0.049	mg/Kg	1	12/21/2022 4:24:00 PM 72191				
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 4:24:00 PM 72191				
Xylenes,	Total	ND	0.098	mg/Kg	1	12/21/2022 4:24:00 PM 72191				
Surr: 4	I-Bromofluorobenzene	113	70-130	%Rec	1	12/21/2022 4:24:00 PM 72191				

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001	Client Sample ID: CSW-10 Collection Date: 12/15/2022									
Lab ID:	2212A84-025	Matrix: SOIL	/17/2022 10:00:00 AM								
Analyses		Result	RL	Qual	Units	DF	Date Analyzed Batch				
EPA MET	HOD 300.0: ANIONS						Analyst: JTT				
Chloride		ND	60		mg/Kg	20	12/23/2022 11:40:24 AM 72293				
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst: DGH				
Diesel Ra	ange Organics (DRO)	ND	15		mg/Kg	1	12/22/2022 11:06:00 PM 72256				
Motor Oil	Range Organics (MRO)	ND	49		mg/Kg	1	12/22/2022 11:06:00 PM 72256				
Surr: D	DNOP	135	21-129	S	%Rec	1	12/22/2022 11:06:00 PM 72256				
EPA MET	HOD 8015D: GASOLINE RANGE	E					Analyst: CCM				
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	12/21/2022 5:04:00 PM 72191				
Surr: E	3FB	99.3	37.7-212		%Rec	1	12/21/2022 5:04:00 PM 72191				
EPA MET	HOD 8021B: VOLATILES						Analyst: CCM				
Benzene		ND	0.025		mg/Kg	1	12/21/2022 5:04:00 PM 72191				
Toluene		ND	0.049		mg/Kg	1	12/21/2022 5:04:00 PM 72191				
Ethylben	zene	ND	0.049		mg/Kg	1	12/21/2022 5:04:00 PM 72191				
Xylenes,	Total	ND	0.098		mg/Kg	1	12/21/2022 5:04:00 PM 72191				
Surr: 4	I-Bromofluorobenzene	109	70-130		%Rec	1	12/21/2022 5:04:00 PM 72191				

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Souder, Miller & Associates		Client Sample ID: CSW-11									
Project:	Antelope Sink 001		(Collection Date	e: 12	/15/2022					
Lab ID:	2212A84-026	Matrix: SOIL		Received Date	e: 12	/17/2022 10:00:00 AM	Λ				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	HOD 300.0: ANIONS					Analys	st: JTT				
Chloride		ND	60	mg/Kg	20	12/23/2022 11:52:48 A	M 72293				
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: DGH				
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 11:16:55 F	PM 72256				
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	12/22/2022 11:16:55 F	PM 72256				
Surr: E	DNOP	112	21-129	%Rec	1	12/22/2022 11:16:55 F	PM 72256				
EPA MET	HOD 8015D: GASOLINE RANG	E				Analys	st: CCM				
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 5:23:00 PM	M 72191				
Surr: E	3FB	96.5	37.7-212	%Rec	1	12/21/2022 5:23:00 PM	M 72191				
EPA MET	HOD 8021B: VOLATILES					Analys	st: CCM				
Benzene		ND	0.024	mg/Kg	1	12/21/2022 5:23:00 PM	M 72191				
Toluene		ND	0.048	mg/Kg	1	12/21/2022 5:23:00 PM	N 72191				
Ethylben	zene	ND	0.048	mg/Kg	1	12/21/2022 5:23:00 PM	V 72191				
Xylenes,	Total	ND	0.096	mg/Kg	1	12/21/2022 5:23:00 PM	M 72191				
Surr: 4	I-Bromofluorobenzene	110	70-130	%Rec	1	12/21/2022 5:23:00 PM	A 72191				

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates	Client Sample ID: CSW-12									
Project:	Antelope Sink 001		(Collection Dat	e: 12	/15/2022					
Lab ID:	2212A84-027	Matrix: SOIL		Received Dat	e: 12	/17/2022 10:00:00 AN	M				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	HOD 300.0: ANIONS					Analys	st: JTT				
Chloride		ND	60	mg/Kg	20	12/23/2022 12:05:13 F	PM 72293				
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: DGH				
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 11:27:41 F	PM 72256				
Motor Oi	I Range Organics (MRO)	ND	47	mg/Kg	1	12/22/2022 11:27:41 F	PM 72256				
Surr: [ONOP	109	21-129	%Rec	1	12/22/2022 11:27:41	PM 72256				
EPA MET	HOD 8015D: GASOLINE RANG	E				Analys	st: CCM				
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 5:43:00 PI	M 72191				
Surr: E	3FB	99.7	37.7-212	%Rec	1	12/21/2022 5:43:00 PI	M 72191				
EPA MET	HOD 8021B: VOLATILES					Analys	st: CCM				
Benzene		ND	0.024	mg/Kg	1	12/21/2022 5:43:00 PI	M 72191				
Toluene		ND	0.049	mg/Kg	1	12/21/2022 5:43:00 PI	M 72191				
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 5:43:00 PI	M 72191				
Xylenes,	Total	ND	0.097	mg/Kg	1	12/21/2022 5:43:00 PI	M 72191				
Surr: 4	4-Bromofluorobenzene	111	70-130	%Rec	1	12/21/2022 5:43:00 PI	M 72191				

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project:	Souder, Miller & Associates Antelope Sink 001	Client Sample ID: CSW-13 Collection Date: 12/15/2022								
Lab ID:	2212A84-028	Matrix: SOIL	Matrix: SOIL Received Date: 12/17/2022 10:00:00 A							
Analyses		Result	RL	Qual Units	DF	Date Analyzed B	atch			
EPA MET	HOD 300.0: ANIONS					Analyst: J	тт			
Chloride		ND	60	mg/Kg	20	12/23/2022 12:17:37 PM 72	2293			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: D	GH			
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 11:38:24 PM 72	2256			
Motor Oi	Range Organics (MRO)	ND	47	mg/Kg	1	12/22/2022 11:38:24 PM 72	2256			
Surr: [DNOP	106	21-129	%Rec	1	12/22/2022 11:38:24 PM 72	2256			
EPA MET	HOD 8015D: GASOLINE RANG	iΕ				Analyst: C	СМ			
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 6:03:00 PM 72	2191			
Surr: E	3FB	96.8	37.7-212	%Rec	1	12/21/2022 6:03:00 PM 72	2191			
EPA MET	HOD 8021B: VOLATILES					Analyst: C	СМ			
Benzene		ND	0.024	mg/Kg	1	12/21/2022 6:03:00 PM 72	2191			
Toluene		ND	0.049	mg/Kg	1	12/21/2022 6:03:00 PM 72	2191			
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 6:03:00 PM 72	2191			
Xylenes,	Total	ND	0.098	mg/Kg	1	12/21/2022 6:03:00 PM 72	2191			
Surr: 4	I-Bromofluorobenzene	107	70-130	%Rec	1	12/21/2022 6:03:00 PM 72	2191			

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

Qualifiers:

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

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Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT: Project: Lab ID:	Souder, Miller & Associates Antelope Sink 001 2212A84-029	Client Sample ID: CSW-14 Collection Date: 12/15/2022 Matrix: SOIL Received Date: 12/17/2022 10:00:00 AM								
Analyses		Result	RL	Qual Units	DF	Date Analyzed Batch				
EPA MET	HOD 300.0: ANIONS					Analyst: JTT				
Chloride		ND	60	mg/Kg	20	12/23/2022 12:30:01 PM 72293				
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH				
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	12/22/2022 11:49:07 PM 72256				
Motor Oil	Range Organics (MRO)	ND	43	mg/Kg	1	12/22/2022 11:49:07 PM 72256				
Surr: E	DNOP	109	21-129	%Rec	1	12/22/2022 11:49:07 PM 72256				
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: CCM				
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 6:22:00 PM 72191				
Surr: E	3FB	98.4	37.7-212	%Rec	1	12/21/2022 6:22:00 PM 72191				
EPA MET	HOD 8021B: VOLATILES					Analyst: CCM				
Benzene		ND	0.024	mg/Kg	1	12/21/2022 6:22:00 PM 72191				
Toluene		ND	0.048	mg/Kg	1	12/21/2022 6:22:00 PM 72191				
Ethylben	zene	ND	0.048	mg/Kg	1	12/21/2022 6:22:00 PM 72191				
Xylenes,	Total	ND	0.096	mg/Kg	1	12/21/2022 6:22:00 PM 72191				
Surr: 4	I-Bromofluorobenzene	108	70-130	%Rec	1	12/21/2022 6:22:00 PM 72191				

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates	Client Sample ID: CSW-15								
Project:	Antelope Sink 001	Collection Date: 12/15/2022								
Lab ID:	2212A84-030	Matrix: SOIL	/17/2022 10:00:00 AM	М						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analys	st: JTT			
Chloride		ND	60	mg/Kg	20	12/23/2022 12:42:26 F	PM 72293			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: DGH			
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	12/22/2022 11:59:49 F	PM 72256			
Motor Oi	Range Organics (MRO)	ND	44	mg/Kg	1	12/22/2022 11:59:49 F	PM 72256			
Surr: E	DNOP	117	21-129	%Rec	1	12/22/2022 11:59:49 F	PM 72256			
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analys	st: CCM			
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2022 6:42:00 PI	M 72191			
Surr: E	3FB	103	37.7-212	%Rec	1	12/21/2022 6:42:00 PI	M 72191			
EPA MET	HOD 8021B: VOLATILES					Analys	st: CCM			
Benzene		ND	0.024	mg/Kg	1	12/21/2022 6:42:00 PI	M 72191			
Toluene		ND	0.049	mg/Kg	1	12/21/2022 6:42:00 PI	M 72191			
Ethylben	zene	ND	0.049	mg/Kg	1	12/21/2022 6:42:00 PI	M 72191			
Xylenes,	Total	ND	0.097	mg/Kg	1	12/21/2022 6:42:00 PI	M 72191			
Surr: 4	I-Bromofluorobenzene	113	70-130	%Rec	1	12/21/2022 6:42:00 PI	M 72191			

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212A84

Date Reported: 12/29/2022

CLIENT:	Souder, Miller & Associates	Client Sample ID: CSW-16									
Project:	Antelope Sink 001		(Collection Dat	e: 12	/15/2022					
Lab ID:	2212A84-031	Matrix: SOIL		Received Date	Date: 12/17/2022 10:00:00 AM						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	HOD 300.0: ANIONS					Analyst	: JTT				
Chloride		ND	60	mg/Kg	20	12/23/2022 12:54:51 PI	M 72293				
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH				
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	12/23/2022 12:10:29 AI	M 72256				
Motor Oi	I Range Organics (MRO)	ND	47	mg/Kg	1	12/23/2022 12:10:29 AI	M 72256				
Surr: [ONOP	97.7	21-129	%Rec	1	12/23/2022 12:10:29 AI	M 72256				
EPA MET	HOD 8015D: GASOLINE RANGI	E				Analyst	CCM				
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2022 7:02:00 PM	72191				
Surr: E	3FB	103	37.7-212	%Rec	1	12/21/2022 7:02:00 PM	72191				
EPA MET	HOD 8021B: VOLATILES					Analyst	CCM				
Benzene		ND	0.024	mg/Kg	1	12/21/2022 7:02:00 PM	72191				
Toluene		ND	0.048	mg/Kg	1	12/21/2022 7:02:00 PM	72191				
Ethylben	zene	ND	0.048	mg/Kg	1	12/21/2022 7:02:00 PM	72191				
Xylenes,	Total	ND	0.097	mg/Kg	1	12/21/2022 7:02:00 PM	72191				
Surr: 4	1-Bromofluorobenzene	113	70-130	%Rec	1	12/21/2022 7:02:00 PM	72191				

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

Qualifiers:

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

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Client: Project:	Souder, N Antelope	Ailler & Associat Sink 001	tes							
Sample ID:	MB-72277	SampType: m	blk	Tost		A Method	300 0: Anion	•		
Client ID:	PBS	Batch ID: 7))))))	R	unNo: 93	518	Sould Amon	5		
Prep Date:	12/22/2022	Analysis Date: 1	2/22/2022	S	eaNo: 33	373636	Units: ma/K	a		
Analyta	12,22,2022					Louimit	Llight init	9/ DOD		Qual
Chloride		ND 1.5	5PK value	SPK Kei Vai	%REC	LOWLIMIL	HighLimit	%RPD	RPDLIIIII	Quai
Sample ID:	LCS-72277	SampType: Ic	s	Test	Code: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID: 7	2277	R	unNo: 93	8518				
Prep Date:	12/22/2022	Analysis Date: 1	2/22/2022	S	eqNo: 33	873637	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	94.3	90	110			
Sample ID:	MB-72290	SampType: m	blk	Test	Code: EP	A Method	300.0: Anion	s		
Client ID:	PBS	Batch ID: 7	2290	R	unNo: 93	3534				
Prep Date:	12/22/2022	Analysis Date: 1	2/23/2022	S	eqNo: 33	374330	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5	5							
Sample ID:	LCS-72290	SampType: Ic	s	Test	Code: EP	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID: 7	2290	R	unNo: 9 3	3534				
Prep Date:	12/22/2022	Analysis Date: 1	2/23/2022	S	eqNo: 33	374331	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	95.6	90	110			
Sample ID:	MB-72293	SampType: M	IBLK	Test	Code: EP	A Method	300.0: Anion	s		
Client ID:										
	PBS	Batch ID: 7	2293	R	unNo: 93	3543				
Prep Date:	PBS 12/22/2022	Batch ID: 7	2293 2/23/2022	R	unNo: 93 eqNo: 33	3543 374909	Units: mg/K	g		
Prep Date: Analyte	PBS 12/22/2022	Batch ID: 7 Analysis Date: 1 Result PQL	2293 2/23/2022 SPK value	R S SPK Ref Val	unNo: 93 eqNo: 33 %REC	8 543 8 74909 LowLimit	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date: Analyte Chloride	PBS 12/22/2022	Batch ID: 7 Analysis Date: 1 Result PQL ND 1.5	2293 2/23/2022 SPK value	R S SPK Ref Val	unNo: 93 eqNo: 33 %REC	8543 874909 LowLimit	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date: Analyte Chloride Sample ID:	PBS 12/22/2022 LCS-72293	Batch ID: 7; Analysis Date: 1 Result PQL ND 1.5 SampType: L	2293 2/23/2022 SPK value 5 CS	R S SPK Ref Val Test	iunNo: 93 ieqNo: 33 %REC :Code: EF	8543 874909 LowLimit PA Method	Units: mg/K HighLimit 300.0: Anion	g %RPD s	RPDLimit	Qual
Prep Date: Analyte Chloride Sample ID: Client ID:	PBS 12/22/2022 LCS-72293 LCSS	Batch ID: 7; Analysis Date: 1 Result PQL ND 1.5 SampType: L Batch ID: 7;	2293 2/23/2022 SPK value CS 2293	R SPK Ref Val Test	aunNo: 93 ieqNo: 33 %REC code: EF aunNo: 93	8543 874909 LowLimit PA Method 8543	Units: mg/K HighLimit 300.0: Anion	g %RPD s	RPDLimit	Qual
Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date:	PBS 12/22/2022 LCS-72293 LCSS 12/22/2022	Batch ID: 7; Analysis Date: 1 Result PQL ND 1.5 SampType: L Batch ID: 7; Analysis Date: 1	2293 2/23/2022 SPK value 5 CS 2293 2/23/2022	R SPK Ref Val Test R S	kunNo: 93 SeqNo: 33 %REC Code: EF KunNo: 93 SeqNo: 33	3543 374909 LowLimit 24 Method 3543 374910	Units: mg/K HighLimit 300.0: Anion: Units: mg/K	g %RPD s	RPDLimit	Qual
Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte	PBS 12/22/2022 LCS-72293 LCSS 12/22/2022	Batch ID: 7 Analysis Date: 1 Result PQL ND 1.5 SampType: L Batch ID: 7 Analysis Date: 1 Result PQL	2293 2/23/2022 SPK value 5 CS 2293 2/23/2022 SPK value	R SPK Ref Val Test R SPK Ref Val	kunNo: 93 seqNo: 33 %REC Code: EF kunNo: 93 seqNo: 33 %REC	8543 874909 LowLimit PA Method 8543 874910 LowLimit	Units: mg/K HighLimit 300.0: Anion: Units: mg/K HighLimit	9 %RPD s s %RPD	RPDLimit	Qual

Qualifiers:

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

2212A84

29-Dec-22

Client:	Souder, N	filler & A	ssociate	es							
Project:	Antelope	Sink 001									
Sample ID:	LCS-72215	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 72	215	F	RunNo: 9	3461				
Prep Date:	12/20/2022	Analysis D	Date: 12	2/21/2022	S	SeqNo: 3	370983	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	48	15	50.00	0	95.2	64.4	127			
Surr: DNOP		5.8		5.000		117	21	129			
Sample ID:	MB-72215	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 72	215	F	RunNo: 9 :	3461				
Prep Date:	12/20/2022	Analysis D	Date: 12	2/21/2022	5	SeqNo: 3	370985	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	15								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		12		10.00		120	21	129			
Sample ID: 2212A84-015AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics											
Client ID:	CBS-15	Batch	n ID: 72	228	F	RunNo: 9 :	3461				
Prep Date:	12/20/2022	Analysis D	Date: 12	2/22/2022	5	SeqNo: 3	372809	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	47	15	48.88	0	97.0	36.1	154			
Surr: DNOP		5.4		4.888		111	21	129			
Sample ID:	2212A84-015AMS) SampT	уре: М	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	CBS-15	Batch	n ID: 72	228	F	RunNo: 9:	3461				
Prep Date:	12/20/2022	Analysis D	Date: 12	2/22/2022	S	SeqNo: 3	372810	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	47	14	46.38	0	102	36.1	154	0.0628	33.9	
Surr: DNOP		5.3		4.638		114	21	129	0	0	
Sample ID:	LCS-72228	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 72	228	F	RunNo: 9 :	3461				
Prep Date:	12/20/2022	Analysis D	Date: 12	2/22/2022	S	SeqNo: 3	372867	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	46	15	50.00	0	92.5	64.4	127			
Surr: DNOP		6.2		5.000		125	21	129			

Qualifiers:

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

2212A84

29-Dec-22

Client: Project:	Souder, M Antelope	filler & A Sink 001	ssociate	es							
Sample ID: N	/IB-72228	SampT	ype: ME	BLK	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: P	PBS	Batch	n ID: 72	228	R	unNo: 9	3461				
Prep Date:	12/20/2022	Analysis D	ate: 12	2/22/2022	S	eqNo: 3	372868	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (DRO)	ND	15								
Motor Oil Range	Organics (MRO)	ND	50	40.00		440	04	400			
Surr: DNOP		11		10.00		110	21	129			
Sample ID: N	/B-72256	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: P	PBS	Batch	n ID: 72	256	R	unNo: 9	3500				
Prep Date:	12/21/2022	Analysis D	ate: 12	2/22/2022	S	eqNo: 3	372932	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (DRO)	ND	15								
Motor Oil Range	Organics (MRO)	ND	50					100			
Surr: DNOP		12		10.00		118	21	129			
Sample ID: L	-CS-72256	SampT	ype: LC	S	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: L	220	Batch	n ID: 72	256	R	unNo: 9	3500				
Prep Date:	12/21/2022	Analysis D	ate: 12	2/22/2022	S	eqNo: 3	374250	Units: mg/K	g		
Prep Date: Analyte	12/21/2022	Analysis D Result	ate: 12 PQL	2/22/2022 SPK value	SPK Ref Val	eqNo: 3 %REC	374250 LowLimit	Units: mg/K HighLimit	(g %RPD	RPDLimit	Qual
Prep Date: Analyte Diesel Range Org	12/21/2022 ganics (DRO)	Analysis D Result 50	Pate: 12 PQL 15	2/22/2022 SPK value 50.00	SPK Ref Val	eqNo: 3 %REC 99.6	374250 LowLimit 64.4	Units: mg/K HighLimit 127	xg %RPD	RPDLimit	Qual
Prep Date: Analyte Diesel Range Org Surr: DNOP	12/21/2022 ganics (DRO)	Analysis D Result 50 6.8	Pate: 12 PQL 15	2/22/2022 SPK value 50.00 5.000	SPK Ref Val	eqNo: 3 %REC 99.6 136	374250 LowLimit 64.4 21	Units: mg/K HighLimit 127 129	′g %RPD	RPDLimit	Qual S
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L	12/21/2022 ganics (DRO)	Analysis D Result 50 6.8 SampT	Pate: 12 PQL 15	2/22/2022 SPK value 50.00 5.000	SPK Ref Val 0 Test	eqNo: 3 %REC 99.6 136	374250 LowLimit 64.4 21 PA Method	Units: mg/K HighLimit 127 129 8015M/D: Die	Kg %RPD esel Range	RPDLimit	Qual S
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L	12/21/2022 ganics (DRO) .CS-72271 .CSS	Analysis D Result 50 6.8 SampT Batch	Pate: 12 PQL 15 ype: LC	2/22/2022 SPK value 50.00 5.000 SS 271	SPK Ref Val 0 Test	eqNo: 3: %REC 99.6 136 Code: El	374250 LowLimit 64.4 21 PA Method 3500	Units: mg/K HighLimit 127 129 8015M/D: Die	kg %RPD esel Range	RPDLimit	Qual S
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L Prep Date:	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022	Analysis D Result 50 6.8 SampT Batch Analysis D	Pate: 12 PQL 15 Type: LC n ID: 72 Pate: 12	2/22/2022 SPK value 50.00 5.000 SS 271 2/22/2022	SPK Ref Val 0 Test R S	ieqNo: 3 %REC 99.6 136 Code: El cunNo: 9 ieqNo: 3	374250 LowLimit 64.4 21 PA Method 3500 374252	Units: mg/K HighLimit 127 129 8015M/D: Dia Units: %Rea	úg %RPD esel Range	RPDLimit	Qual S
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L Prep Date: Analyte	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022	Analysis D Result 50 6.8 SampT Batch Analysis D Result	Pate: 12 PQL 15 ype: LC D ID: 72 PQL	2/22/2022 SPK value 50.00 5.000 SS 271 2/22/2022 SPK value	SPK Ref Val 0 Test R SPK Ref Val	eqNo: 3: <u>%REC</u> 99.6 136 Code: El unNo: 9: eqNo: 3: %REC	374250 LowLimit 64.4 21 PA Method 3500 374252 LowLimit	Units: mg/K HighLimit 127 129 8015M/D: Die Units: %Ree HighLimit	Sg %RPD esel Range c %RPD	RPDLimit	Qual S Qual
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L Prep Date: Analyte Surr: DNOP	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022	Analysis D Result 50 6.8 SampT Batch Analysis D Result 5.9	Pate: 12 PQL 15 yype: LC D ID: 72 Pate: 12 PQL	2/22/2022 SPK value 50.00 5.000 SS 271 2/22/2022 SPK value 5.000	SPK Ref Val 0 Tesi R SPK Ref Val	eqNo: 3: <u>%REC</u> 99.6 136 Code: El cunNo: 9: eqNo: 3: %REC 117	374250 LowLimit 64.4 21 PA Method 3500 374252 LowLimit 21	Units: mg/K HighLimit 127 129 8015M/D: Dia Units: %Rea HighLimit 129	kg %RPD esel Range c %RPD	RPDLimit	Qual S Qual
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L Prep Date: Analyte Surr: DNOP Sample ID: N	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022	Analysis D Result 50 6.8 SampT Batch Analysis D Result 5.9 SampT	Pate: 12 PQL 15 ype: LC D ID: 72 PQL PQL	2/22/2022 SPK value 50.00 5.000 SS 271 2/22/2022 SPK value 5.000 SLK	SPK Ref Val 0 Test SPK Ref Val Test	eqNo: 3: %REC 99.6 136 Code: El unNo: 9: 6eqNo: 3: %REC 117	374250 LowLimit 64.4 21 PA Method 3500 374252 LowLimit 21 PA Method	Units: mg/K HighLimit 127 129 8015M/D: Die Units: %Ree HighLimit 129 8015M/D: Die	ig %RPD esel Range c %RPD esel Range	RPDLimit	Qual S Qual
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L Prep Date: Analyte Surr: DNOP Sample ID: N Client ID: P	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022 MB-72271 PBS	Analysis D Result 50 6.8 SampT Batch Analysis D Result 5.9 SampT Batch	Pate: 12 PQL 15 Type: LC 1D: 72 PQL Type: ME Type: ME	2/22/2022 SPK value 50.00 5.000 S 271 2/22/2022 SPK value 5.000 3LK 271	SPK Ref Val 0 Tesi SPK Ref Val Tesi R	eqNo: 3: <u>%REC</u> 99.6 136 Code: El unNo: 9: keqNo: 3: <u>%REC</u> 117 Code: El unNo: 9:	374250 LowLimit 64.4 21 PA Method 3500 374252 LowLimit 21 PA Method 3500	Units: mg/K HighLimit 127 129 8015M/D: Die Units: %Ree HighLimit 129 8015M/D: Die	kg %RPD esel Range c %RPD esel Range	RPDLimit e Organics RPDLimit	Qual S Qual
Prep Date: Analyte Diesel Range Org Surr: DNOP Sample ID: L Client ID: L Prep Date: Analyte Surr: DNOP Sample ID: M Client ID: P Prep Date:	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022 MB-72271 PBS 12/22/2022	Analysis D Result 50 6.8 SampT Batch Analysis D SampT Batch Analysis D	Pate: 12 PQL 15 ype: LC D ID: 72 PQL ype: ME D ID: 72 yate: 12 yate: 12	2/22/2022 SPK value 50.00 5.000 S 2/21/2022 SPK value 5.000 3LK 2/22/2022	SPK Ref Val 0 Test SPK Ref Val SPK Ref Val Test R S	eqNo: 3: %REC 99.6 136 Code: El aunNo: 9: eqNo: 3: %REC 117 Code: El aunNo: 9: code: El aunNo: 9: %REC 117	374250 LowLimit 64.4 21 PA Method 3500 374252 LowLimit 21 PA Method 3500 374254	Units: mg/K HighLimit 127 129 8015M/D: Dia Units: %Rea HighLimit 129 8015M/D: Dia Units: %Rea	kg %RPD esel Range c %RPD esel Range	RPDLimit Corganics RPDLimit Corganics	Qual S Qual
Prep Date: Analyte Diesel Range Orc Surr: DNOP Sample ID: L Client ID: L Prep Date: Analyte Sample ID: N Client ID: P Prep Date: Analyte	12/21/2022 ganics (DRO) .CS-72271 .CSS 12/22/2022 MB-72271 PBS 12/22/2022	Analysis D Result 50 6.8 SampT Batch Analysis D SampT Batch Analysis D Result	Pate: 12 PQL 15 Type: LC 1D: 72 PQL Type: ME 1D: 72 PQL PQL	2/22/2022 SPK value 50.00 5.000 S 271 2/22/2022 SPK value 5.000 3LK 271 2/22/2022 SPK value	SPK Ref Val 0 Tesi SPK Ref Val Tesi SPK Ref Val	eqNo: 3: <u>%REC</u> 99.6 136 Code: El unNo: 9: %REC 117 Code: El unNo: 9: %REC 3: %REC 3: %REC	374250 LowLimit 64.4 21 PA Method 3500 374252 LowLimit 21 PA Method 3500 374254 LowLimit	Units: mg/K HighLimit 127 129 8015M/D: Die Units: %Ree HighLimit 29 8015M/D: Die Units: %Ree HighLimit	kg %RPD esel Range c %RPD esel Range c %RPD	RPDLimit Companies RPDLimit Companies RPDLimit	Qual S Qual Qual

Qualifiers:

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

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WO#: 2212A84 29-Dec-22

Client: Project:	Souder, N Antelope	filler & As Sink 001	sociate	es							
Sample ID:	mb-72183	SampT		SI K	Tos	tCode: EE	PA Method	8015D: Gase	line Rang	9	
Client ID:	DBS	Batch	אין אין איזע די די די איז אי	183	103		2/33	0015D. Gase	nine italig	5	
Drop Doto:	100		10. 12	100	، د		00055	lipito: ma/li	· ~		
Prep Date:	12/19/2022	Analysis D		2/20/2022		sequo: 3	309800	Units: mg/r	.g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 880	5.0	1000		87.6	37.7	212			
Sample ID:	lcs-72183	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	ID: 72	183	F	RunNo: 93	3433				
Prep Date:	12/19/2022	Analysis D	ate: 12	2/20/2022	S	SeqNo: 33	369856	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	22	5.0	25.00	0	89.8	72.3	137			
Surr: BFB		1800		1000		178	37.7	212			
Sample ID:	LCS-72191	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	9	
Client ID:	LCSS	Batch	ID: 72	191	F	RunNo: 93	3486				
Prep Date:	12/19/2022	Analysis D	ate: 12	2/21/2022	S	SeqNo: 33	371848	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	25	5.0	25.00	0	99.8	72.3	137			
Surr: BFB		2200		1000		223	37.7	212			S
Sample ID:	mb-72191	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	ID: 72	191	F	RunNo: 9 3	3486				
Prep Date:	12/19/2022	Analysis D	ate: 12	2/21/2022	ŝ	SeqNo: 33	371849	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		104	37.7	212			
Sample ID:	2212A84-015ams	SampT	ype: MS	6	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	CBS-15	Batch	ID: 72	191	F	RunNo: 9 3	3486				
Prep Date:	12/19/2022	Analysis D	ate: 12	2/21/2022	S	SeqNo: 33	371851	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	25	5.0	24.93	0	98.9	70	130			
Surr: BFB		2300		997.0		234	37.7	212			S
Sample ID:	2212A84-015amsd	I SampT	ype: M \$	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	9	
Client ID:	CBS-15	Batch	ID: 72	191	F	RunNo: 93	3486				
Prep Date:	12/19/2022	Analysis D	ate: 12	2/21/2022	S	SeqNo: 33	371852	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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29-Dec-22

Client: Project:	Souder, N Antelope	filler & Asso Sink 001	ciate	es							
Sample ID:	2212A84-015amsd	SampType	: M\$	SD	Test	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	CBS-15	Batch ID	: 72	191	R	unNo: 9	3486				
Prep Date:	12/19/2022	Analysis Date	: 12	2/21/2022	S	eqNo: 3	371852	Units: mg/k	(g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	24.93	0	105	70	130	5.93	20	
Surr: BFB		2300		997.0		235	37.7	212	0	0	S

Qualifiers:

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

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2212A84

29-Dec-22

Client:	Souder, M	liller & A	ssociate	es							
Project:	Antelope	Sink 001									
Sample ID: mb-	72183	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	6	Batch	n ID: 72	183	F	RunNo: 9	3433				
Prep Date: 12/	/19/2022	Analysis D	ate: 12	2/20/2022	S	SeqNo: 3	369901	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluor	robenzene	0.89		1.000		89.4	70	130			
Sample ID: LCS	5-72183	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCS	S	Batch	n ID: 72	183	F	RunNo: 9 :	3433				
Prep Date: 12/	/19/2022	Analysis D	ate: 12	2/20/2022	S	SeqNo: 3	369902	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.92	0.025	1.000	0	91.6	80	120			
Toluene		0.93	0.050	1.000	0	92.6	80	120			
Ethylbenzene		0.92	0.050	1.000	0	91.8	80	120			
Xylenes, Total		2.8	0.10	3.000	0	92.1	80	120			
Surr: 4-Bromofluor	robenzene	0.91		1.000		90.9	70	130			
Sample ID: LCS	6-72191	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCS	S	Batch	n ID: 72	191	F	RunNo: 9 :	3486				
Prep Date: 12/	/19/2022	Analysis D	ate: 12	2/21/2022	S	SeqNo: 3	371928	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	1.000	0	109	80	120			
Toluene		1.1	0.050	1.000	0	110	80	120			
Ethylbenzene		1.1	0.050	1.000	0	109	80	120			
Xylenes, Total		3.3	0.10	3.000	0	110	80	120			
Surr: 4-Bromofluor	robenzene	1.1		1.000		114	70	130			
Sample ID: mb-	72191	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	6	Batch	n ID: 72	191	F	RunNo: 9 3	3486				
Prep Date: 12/	/19/2022	Analysis D	ate: 12	2/21/2022	S	SeqNo: 3	371929	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluor	robenzene	1.1		1.000		113	70	130			

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

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

Page 37 of 38

2212A84

29-Dec-22

Client: Project:	Souder, N Antelope	/iller & As Sink 001	sociate	S							
Sample ID:	2212A84-016ams	SampT	ype: MS	5	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	CSW-1	Batch	ID: 72	191	F	unNo: 9	3486				
Prep Date:	12/19/2022	Analysis Da	ate: 12	2/21/2022	S	eqNo: 3	371932	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.99	0.024	0.9625	0	103	68.8	120			
Foluene		1.0	0.048	0.9625	0	104	73.6	124			
Ethylbenzene		1.0	0.048	0.9625	0	105	72.7	129			
(ylenes, Total		3.0	0.096	2.887	0	105	75.7	126			
Surr: 4-Brom	ofluorobenzene	1.1		0.9625		114	70	130			
Sample ID:	2212A84-016amsc	SampT	ype: MS	D	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	CSW-1	Batch	ID: 72	191	F	tunNo: 9	3486				
Prep Date:	12/19/2022	Analysis Da	ate: 12	2/21/2022	S	eqNo: 3	371933	Units: mg/#	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.024	0.9606	0	106	68.8	120	3.12	20	
Toluene		1.0	0.048	0.9606	0	108	73.6	124	3.12	20	
Ethylbenzene		1.0	0.048	0.9606	0	109	72.7	129	3.61	20	
Kylenes, Total		3.1	0.096	2.882	0	109	75.7	126	3.75	20	
Surr: 4-Brom	ofluorobenzene	1.1		0.9606		113	70	130	0	0	

Qualifiers:

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

WO#:	2212	484

29-Dec-22

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environ TEL: 505-34 Website: v	mental Analysis Labor 4901 Hawki Albuquerque, NM & 5-3975 FAX: 505-345 www.hallenvironmenta	ratory ns NE 87109 San -4107 11.com	nple Log-In Cł	neck List
Client Name: Souder, Miller & Associates	Work Order N	umber: 2212A84		RcptNo:	1
Received By: Desiree Dominguez	12/17/2022 10:0	0:00 AM	D2		
Completed By: Sean Livingston	12/19/2022 8:16	:38 AM	Sal	zot	
Reviewed By: Jn 12/19/22				0	
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌	NA 🗆	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	Νο	NA 🗍	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)	?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properl	y preserved?	Yes 🔽	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sample containers received broke	n?	Yes 📙	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH:	12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🔽	No 🗍	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by: K	1412.1922
Special Handling (if applicable)					
15. Was client notified of all discrepancies with t	his order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Da	ate: /			
By Whom:	Vi	a: 🗌 eMail 🗌 I	Phone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17 October lafe meeting					

Seal Date

Signed By

Page 64 of 72

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eceived by OCD: 1/23/2023 3:43:26 PM		Page 65 of 72
Chain-of-Custody Record	Turn-Around Time:	
Client: 5 N/A - Carlshad	D Standard & Rush S day TAT	ANALYSIS LABORATORY
	Project Name:	www.hallenvironmental.com
Mailing Address:	Antelope Sink # 001	4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:		Analysis Request
email or Fax#:	Project Manager:	(O) \$ \$ () () () () () () () () () ()
QA/QC Package:	Lynn Acosta	1021MS PO4, 5 051MS 051MS 20 / MF
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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.

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email or Fax#:		Project Manager:		(O)		*Os		(ìua		
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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.

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Page 67 of 72	HALL ENVIRONMENTAL

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Souder, Miller & Associates•201 S. Halagueno St.•Carlsbad, NM 88220 (575) 689-8801

January 12, 2023

#5E31369-BG01

NMOCD District 2 506 W. Texas Artesia, New Mexico 88210

SUBJECT: Closure Report for the Antelope Sink #001 Release (nAPP2205926232), Eddy County, New Mexico

To Whom It May Concern:

On behalf of FE-NM, LLC, Souder, Miller & Associates (SMA) has prepared this Closure Report that describes the remediation of 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 a United States Geological Service (USGS) 7.5-minute quadrangle map.

Table 1 summarizes information regarding the release.

Table 1: Release Information and Closure Criteria				
Site Name	Antelope Sink Unit #001	Operator	FE-NM, LLC	
API Number	30-015-10041	Location	32.66316, -104.62593	
Tracking Number	NAPP2205926232			
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; May 20, 2022; and December 15, 2022			

Antelope Sink Well #001 Remediation Closure Report January 12, 2023

## 1.0 Background

On February 17, 2022, a release was discovered at the Antelope Sink Unit #001 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 3,823 feet above mean sea level (amsl).

### Depth to Groundwater

A search of the New Mexico Office of the State Engineer (NMOSE) New Mexico Water Rights Reporting System and the USGS National Water Information System did not report any wells within ½-mile of the site. Based on records of wells within the larger vicinity, depth to groundwater in the area is estimated to be an average of 382 feet below grade surface (bgs). The minimum reported depth is 285 feet bgs and the maximum is 480 bgs. Water well documentation is included in Appendix B and registered wells in the vicinity are illustrated on Figure 1.

#### Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the 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 to the northwest.

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 New Mexico Oil Conservation Division (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 Remediation Activities

Site characterization including delineation is detailed in the SMA's Remediation Plan dated June 6, 2022. Per the approved plan, SMA returned to the site to guide/oversee the excavation of contaminated soil beginning on December 05, 2022. SMA guided the excavation activities by collecting soil samples for field screening. Samples were screened for chloride using an electrical conductivity (EC) meter. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on December 13, 2022, that closure samples were expected to be collected in two (2) business days. A copy of this notification is included in Appendix C.

Antelope Sink Well #001 Remediation Closure Report January 12, 2023

On December 15, 2022, SMA conducted confirmation sampling activities at the site. Confirmation samples were comprised of five-point composites collected from the base (CBS1 – CBS15) and walls (CSW1 – CSW16) of the excavation. A photolog is included in Appendix D.

A total of 31 samples were collected for laboratory analysis for total chloride using Environmental Protection Agency (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. Laboratory samples were collected in accordance with the sampling protocol included in Appendix E. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Figure 3 shows the extent of the final excavation and closure sample locations. Laboratory results are summarized in Table 3. The laboratory report is included in Appendix F.

## 4.0 Site Recommendations

As demonstrated in Table 3, all closure samples meet the Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at R360 Environmental Solutions midway between Carlsbad and Hobbs, New Mexico, an NMOCD-permitted disposal facility.

### SMA recommends no further action and requests closure of Incident Number nAPP2205926232.

Page 4 of 5

Antelope Sink Well #001 Remediation Closure Report January 12, 2023

## 5.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this report. 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 Lynn Acosta at 505-516-7469 or Heather Woods at 505-716-2787.

Submitted by: SOUDER, MILLER & ASSOCIATES Reviewed by:

Lynn A. Acosta

Lynn A. Acosta Staff Scientist

Heather M. Woods

Heather M. Woods, P.G. Project Geoscientist

### **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

### **ATTACHMENTS:**

### Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Surface Water Radius Map Figure 3: Confirmation Sample Location Map

### Tables:

Table 2: NMOCD Closure Criteria Justification Table 3: Summary of Confirmation Sample Results

### Appendices:

Appendix A: Form C141 Appendix B: NMOSE Wells Report Appendix C: Correspondence Appendix D: Photolog Appendix E: Sampling Protocol Appendix F: Laboratory Analytical Report

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
FE-NM, LLC	331102
1001 E SE Loop 323, STE. 160	Action Number:
Tyler, TX 75711	178749
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NKMW1035542428 ANTELOPE SINK UNIT #001, thank you. This closure is approved. 5/22/2023 rhamlet

CONDITIONS

Action 178749

Condition Date