Incident ID	nAPP2228036562
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.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

Description of remediation activities

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

Printed Name: Stephen L. SMith Signature: Signature: Som Cos. com	Title: <u>HSE Supervisor</u> Date: <u>8//(4/23</u> Telephone: <u>505-497-8574</u>
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible r regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Received by OCD: 8/17/2023 8:30:33 AM

eceived by OCD. 0/1//2023 0.	30.33 AM				1 uge 2 0j		
	UNITED STATE: PARTMENT OF THE IN EAU OF LAND MANA	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021 5. Lease Serial No.					
				G13121799			
	NOTICES AND REPO			6. If Indian, Allottee or	Tribe Name		
		o drill or to re-enter an PD) for such proposals		EASTERN NAVAJO)		
SUBMIT IN	TRIPLICATE - Other instruc	ctions on page 2		7. If Unit of CA/Agreer	nent, Name and/or No.		
1. Type of Well							
✓ Oil Well Gas W				8. Well Name and No.	S LYBROOK UNIT/344H		
2. Name of Operator ENDURING RE	SOURCES LLC			9. API Well No. 30043	21280		
3a. Address 200 ENERGY COURT,	FARMINGTON, NM 8740	3b. Phone No. (include area cod	e)	10. Field and Pool or E	xploratory Area		
		(505) 497-8574		LYBROOK GALLUF	P/LYBROOK GALLUP		
4. Location of Well (Footage, Sec., T., I	R., M., or Survey Description)			11. Country or Parish, S	State		
SEC 2/T22N/R7W/NMP				SANDOVAL/NM			
12. CHE	CK THE APPROPRIATE BO	X(ES) TO INDICATE NATURI	E OF NOT	ICE, REPORT OR OTHI	ER DATA		
TYPE OF SUBMISSION		TY	PE OF AC	TION			
✓ Notice of Intent	Acidize	Deepen Hydraulic Fracturing		uction (Start/Resume) amation	Water Shut-Off Well Integrity		
Subsequent Report	Casing Repair	New Construction	Reco	omplete	Other		
	Change Plans	Plug and Abandon	Tem	porarily Abandon			
Final Abandonment Notice	Convert to Injection	Plug Back	Wate	er Disposal			
the Bond under which the work will completion of the involved operation	ally or recomplete horizontally ll be perfonned or provide the ons. If the operation results in	y, give subsurface locations and r Bond No. on file with BLM/BIA a multiple completion or recomp	neasured and A. Required pletion in a	nd true vertical depths of subsequent reports must new interval, a Form 310	all pertinent markers and zones. Attach		
ENDURING RESOURCES W REPORT.	OULD LIKE TO REQUEST	SPILL CLOSURE BASED O	N THE AC	TIVITES IN THE ATT	ACHED		

14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>) HEATHER HUNTINGTON / Ph: (505) 636-9751	Permitting Technician		
Signature	Date	08/04/2023	
THE SPACE FOR FED	ERAL OR STATE OFICE U	SE	
Approved by DAVE J MANKIEWICZ / Ph: (505) 564-7761 / Approved	AFM-Minerals	Date	08/07/2023
Conditions of approval, if any, are attached. Approval of this notice does not warrar certify that the applicant holds legal or equitable title to those rights in the subject lewhich would entitle the applicant to conduct operations thereon.		·	
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for a any false, fictitious or fraudulent statements or representations as to any matter with		nake to any department o	r agency of the United States

(Instructions on page 2)



July 28, 2023

Mr. Steve Smith Enduring Resources 200 Energy Court Farmington, New Mexico 87401

Re: Closure Report South Lybrook 344H Surface Lay Flat Line Route Sandoval County, New Mexico Incident Number: NAPP2228036562

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Enduring Resources, LLC (Enduring), has prepared the following *Closure Report* to document the work performed to address the release of produced water within the South Lybrook 344H Surface Lay Flat Line Route (Site). Based on the activities described in this report, Ensolum recommends Enduring request closure and no further action for Incident Number NAPP2228036562.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 10, Township 22 North, Range 07 West, in Sandoval County, New Mexico (36.15281° N, 107.56416° W) (Figure 1) and is associated with oil and gas exploration and production operations on tribal surface land.

On October 6, 2022, a partial failure of a clamp in the lay flat line resulted in the release of an estimated 20 barrels (bbls) of produced water. The fluids spread out within the pipeline right-ofway (ROW), but due to heavy rainfall at the time of the release, fluid also migrated outside the ROW to the southeast. The fluid flowed southwest within a roadside ditch, following the general direction of the ROW, for approximately 750 feet before turning northwest and flowing along a two-track road for approximately 415 feet. Enduring personnel immediately shut-in the pipeline, built an earthen berm at the ROW to contain the fluids, and began planning for delineation and repairs. No surface waters appear to have been impacted by the release.

Enduring submitted a *Release Notification* Form C-141 (Form C-141) to the New Mexico Oil Conservation Division (NMOCD) on October 19, 2022, and the release was assigned Incident Number NAPP2228036562. Because the release occurred on tribal allotment lands, Enduring additionally notified the Bureau of Land Management (BLM) and Bureau of Indian Affairs (BIA).

BACKGROUND

Ensolum conducted an initial Site assessment on November 4, 2022, and additional delineation sampling on December 7, 2022. The results of these events are outlined in a *Remediation Work Plan* (dated December 29, 2022) and a *Revised Remediation Work Plan* (dated March 27, 2023) which were submitted to the NMOCD, BLM, and BIA. The work plans described findings for the

sampling events, which suggested a sheet flow of produced water near the release point traveled across surface soils to the roadside ditch without infiltrating significantly into the subsurface. Once the release channelized with the ditch, flow slowed and concentrated, allowing for soil saturation and infiltration of fluids to approximately 1 foot to 2 feet below ground surface (bgs) before reaching the upper surface of a sandstone. Rainwater likely advanced the release water downgradient, but the terminus was documented by a clean delineation sample. No petroleum hydrocarbons were identified in the soil, but chloride exceeding 600 milligrams per kilogram (mg/kg) was identified in limited areas. Based on multiple sampling events documenting a decrease in chloride concentrations, precipitation appeared to have promoted natural attenuation.

The original *Remediation Work Plan* proposed continued monitoring of natural attenuation through soil sampling and vegetation assessments in spring and summer of 2023. Based on comments from BLM, the *Revised Remediation Work Plan* included addition of gypsum to the soil if spring sampling results did not document a sufficient reduction in chloride concentrations at the limited remaining areas containing elevated chloride.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). The results are presented in the *Revised Remediation Work Plan*, and based on the presence of a significant watercourse, the following NMOCD Table I Closure Criteria (Closure Criteria) applies for chloride: 600 mg/kg. That standard aligns with a reclamation requirement and is used as guidance for this *Closure Report*.

ADDITIONAL MONITORING AND REMEDIATION ACTIVITIES

Based on the delineation efforts referenced above, Ensolum proposed a multi-tiered remediation approach to monitor and accelerate natural attenuation of chloride concentrations at sample locations that previously exceeded 600 mg/kg chloride. The following section describes those activities. A photographic log of sampling is included as Appendix A.

On April 21, 2023, Ensolum personnel collected soil samples following spring snowmelt. As proposed in the *Revised Remediation Work Plan*, five-point composite samples were collected within each 200 square foot section that previously exceeded Closure Criteria during the December 7, 2022 sampling event (sampling areas CS09, CS10, CS11, CS12, CS13, CS15, CS16, CS17, CS24, and CS25). Of note, composite sampling area CS24 was not assessed in April 2023 but was resampled on July 26, 2023. Additionally, four hand auger borings were advanced at locations previously exceeding the Closure Criteria (HA11, HA15, HA16, and HA18) and three discrete soil samples were collected from each boring at 0.5, 1, and 2 feet bgs. Soil sample locations are presented on Figure 2.

The five-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Discrete soil samples were taken by collecting soil from a specific location and depth. Soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, and immediately placed on ice. The soil samples were transported on ice under strict chain-of-custody procedures to Hall Environmental Analysis Laboratory (Hall) for analysis of chloride by United States Environmental Protection Agency (EPA) Method 300.0.

Laboratory analytical results from the April 21, 2023 sampling event indicated that all composite soil samples exhibited a decrease in chloride concentration compared to the December 7, 2022



Enduring Resources, LLC Closure Report South Lybrook 344H Surface Lay Flat Line Route

sampling event and did not exceed 600 mg/kg chloride. Additionally, chloride concentrations from three of the hand auger borings (HA15, HA16, and HA18) did not exceed 600 mg/kg, with results ranging from non-detect to 350 mg/kg. Sample HA11A, collected at 1-foot bgs, contained a chloride concentration of 900 mg/kg. Laboratory analytical results are summarized in Table 1 and the complete laboratory report is included as Appendix B.

Ensolum personnel returned to the Site on May 23, 2023 to field screen chloride concentrations in the soil near HA11. Results indicated that chloride concentrations remained elevated in soil at depths of 1 to 2 feet bgs. To address the residual chloride concentrations at this location, Ensolum personnel removed impacted soil up to a depth of 2 feet bgs near HA11 using a hand shovel on June 2, 2023. In total, approximately one cubic yard of soil was removed for disposal at the landfarm operated by Envirotech, Inc. and located in San Juan County, New Mexico. This area was backfilled with a mixture of clean soil and finely powdered gypsum. On June 27, 2023, Ensolum personnel returned to the Site and advanced one hand auger boring to 2.5 feet bgs to reassess chloride concentrations at location HA11. Laboratory analytical results from sample "HA11@2.5" indicated that no chloride was detected above laboratory reporting limits.

Vegetation within the ROW was monitored in July 2023 to assess the percentage of cover and relative health of impacted areas as compared to adjacent unimpacted vegetation. Photograph 5 was taken within the affected area of the ROW and Photograph 6 was taken in an adjacent, unaffected area. As seen in the photographs, vegetation quality and coverage is similar both within and outside of the release area, indicating that vegetation was not significantly impacted by the release. Photographs 7 and 8 show areas where the release migrated outside of the ROW towards the ditch and roadway southeast of the release point. Similar to the affected area of the ROW, the more mature vegetation in the area closer to the ditch did not appear to be impacted by the release. Photographs of the current vegetation are included in Appendix A.

CONCLUSIONS AND CLOSURE REQUEST

The release of produced water resulted in presence of elevated chloride concentrations in surface soil in the pipeline ROW and in the shallow subsurface of the upper reaches of the roadside ditch, where release water channelized and slowed. Natural attenuation by rainwater and snowmelt decreased the chloride concentrations as documented by soil sampling results collected 1 month (December 2022) and 5 months (April 2023) after the release. In the location where the release channelized and concentrated into the roadside ditch (represented by sample location HA11), chloride concentrations in soil from 1- to 2 feet bgs required active remediation. Because the volume of residually impacted soil was so small, Ensolum manually removed the impacted soil at HA11 to expose the underlying sandstone at 2.5 feet bgs, then backfilled with a mixture of clean soil and finely powdered gypsum.

Laboratory analytical results from all final confirmation soil samples collected at the Site indicate chloride concentrations have been reduced to less than 600 mg/kg and no further remediation is required. As such, Enduring respectfully requests closure for Incident Number NAPP2228036562.



Ensolum appreciates the opportunity to provide this *Closure Report* to the NMOCD. If you have any questions or comments, please contact the undersigned.

Sincerely,

Ensolum, LLC

Reece Hanson Staff Geologist 970-210-9803 rhanson@ensolum.com

Ashley L. ager

Ashley Ager, MS, PG Principal, Geologist 970-946-1093 aager@ensolum.com

Attachments:

Site Location Map
2023 Soil Sample Locations
Soil Sample Analytical Results
Photographic Log
Laboratory Analytical Reports





FIGURES

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Released to Imaging: 2/1/2024 4:00:02 PM

Received by OCD: 8/17/2023 8:30:33 AM







TABLES

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E N S O L U M

FABLE 1 SOIL SAMPLE ANALYTICAL RESULTS SOUTH LYBROOK 344H SURFACE LAY FLAT LINE ROUTE ENDURING RESOURCES, LLC SANDOVAL COUNTY, NEW MEXICO Sample Identification Sample Date Sample Depth (feet bgs) Chloride (mg/kg) NMOCD Table I Closure Criteria (NMAC 19.15.29) 600 600 5-Point Composite Soil Samples 600 CS09 04/21/2023 0 - 0.5 500 CS10 04/21/2023 0 - 0.5 600 CS11 04/21/2023 0 - 0.5 600 CS12 04/21/2023 0 - 0.5 660 CS13 04/21/2023 0 - 0.5 660 CS15 04/21/2023 0 - 0.5 660 CS15 04/21/2023 0 - 0.5 660 CS15 04/21/2023 0 - 0.5 660 CS16 04/21/2023 0 - 0.5 63 CS25 04/21/2023 0 - 0.5 60 CS17 04/21/2023 0 - 0.5 60 CS16 04/21/2023 0 - 0.5 60 CS25 04/21/2023 0 - 0.5 60	ROUTE		
	Date	(feet bgs)	
NMOCD Table I Closure		F	600
	5-Point Compos	ite Soil Samples	
CS09	04/21/2023	0 - 0.5	500
CS10	04/21/2023	0 - 0.5	<60
CS11	04/21/2023	0 - 0.5	110
CS12	04/21/2023	0 - 0.5	<60
CS13	04/21/2023	0 - 0.5	<60
			<60
CS16	04/21/2023		160
	*== *= *		
CS24	07/26/2023	0 - 0.5	223
CS25	04/21/2023	0 - 0.5	<60
	Discrete Se	oil Samples	
HA11	04/21/2023	0-0.5	≪60
HA11 A	04/21/2023	4	900
HA11 B	04/21/2023	2	<59
HA11 @2.5'	06/27/2023	2.5	<61
HA15	04/21/2023	0 - 0.5	<59
HA15 A	04/21/2023	1	120
HA15 B	04/21/2023	2	350
HA16	04/21/2023	0 - 0.5	<60
HA16 A	04/21/2023	1	98
HA16 B	04/21/2023	2	200

0 - 0.5

1

2

<60

190

61

Notes:

bgs: below ground surface

HA18

HA18 A

HA18 B

mg/kg: milligrams per kilogram

Grey text indicates soil sample removed during remedial activities

04/21/2023

04/21/2023

04/21/2023



APPENDIX A

Photographic Log

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ENSOLUM	Photographic Log Enduring Resources, LLC South Lybrook 344H Surface Lay Flat Line Route Sandoval County, New Mexico
Photograph: 1 Date: 6/2/2023 Description: Hand dug area around HA11 View: Northeast	Photograph: 2 Date: 6/2/2023 Description: Backfilled area around HA11 View: Southeast
Photograph: 3 Date: 6/2/2023 Description: Backfilled area around HA11 View: Northeast	Photograph: 4 Date: 6/27/2023 Description: Auger location - Sample HA11 @2.5' View: Southeast





APPENDIX B

Laboratory Analytical Reports

Released to Imaging: 2/1/2024 4:00:02 PM



May 03, 2023

Brooke Herb ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: 344 H

OrderNo.: 2304A27

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 24 sample(s) on 4/25/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environ	Laboratory, In	c.			Analytical Report Lab Order: 2304A27 Date Reported: 5/3/2023						
	ENSOLUM 344 H				I	.ab C	Drder: 2304.	A27			
Lab ID: Client Sample ID:	2304A27-001 CS07		С	ollecti	on Date Matrix		21/2023 11:10:00 /	АМ			
Analyses		Result	RL	Qual			Date Analyzed	Ba	tch ID		
EPA METHOD 300 Chloride	0.0: ANIONS	330	60		mg/Kg	20		-	SNS 74553		
Lab ID: Client Sample ID:	2304A27-002 CS08		C	ollecti	on Date Matrix		21/2023 11:12:00 / DIL	AM			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID		
EPA METHOD 300 Chloride	0.0: ANIONS	ND	60		mg/Kg	20		-	SNS 74553		
Lab ID: Client Sample ID:	2304A27-003 CS09		С	ollecti	on Date Matrix		21/2023 11:14:00 / DIL	АМ			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID		
EPA METHOD 300 Chloride	0.0: ANIONS	500	60		mg/Kg	20		-	SNS 74553		
Lab ID: Client Sample ID:	2304A27-004 CS10		C	ollecti	on Date Matrix		21/2023 11:16:00 / DIL	АМ			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID		
EPA METHOD 300 Chloride	0.0: ANIONS	ND	60		mg/Kg	20		-	SNS 74553		
Lab ID: Client Sample ID:	2304A27-005 CS11		С	ollecti	on Date Matrix		21/2023 11:18:00 / DIL	AM			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID		
EPA METHOD 300 Chloride	0.0: ANIONS	110	60		mg/Kg	20		-	SNS 74553		

٠ 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

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Limit

Page 1 of 7

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Qualifiers:

Hall Environ	mental Analysis	Laboratory, Inc	Analytical ReportLab Order: 2304A27C.Date Reported: 5/3/2023
	ENSOLUM 344 H		Lab Order: 2304A27
Lab ID:	2304A27-006		Collection Date: 4/21/2023 11:20:00 AM
Client Sample ID:	CS12		Matrix: SOIL
Analyses		Result	RL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	Analyst: SNS 60 mg/Kg 20 4/26/2023 1:58:39 AM 74553
Lab ID:	2304A27-007		Collection Date: 4/21/2023 11:22:00 AM
Client Sample ID:	CS13		Matrix: SOIL
Analyses		Result	RL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: SNS
Chloride		ND	60 mg/Kg 20 4/26/2023 2:11:03 AM 74553
Lab ID:	2304A27-008		Collection Date: 4/21/2023 11:24:00 AM
Client Sample ID:	CS15		Matrix: SOIL
Analyses		Result	RL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: SNS
Chloride		ND	60 mg/Kg 20 4/26/2023 2:23:28 AM 74553
Lab ID:	2304A27-009		Collection Date: 4/21/2023 11:26:00 AM
Client Sample ID:	CS16		Matrix: SOIL
Analyses		Result	RL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: SNS
Chloride		160	60 mg/Kg 20 4/26/2023 2:35:52 AM 74553
Lab ID:	2304A27-010		Collection Date: 4/21/2023 11:28:00 AM
Client Sample ID:	CS17		Matrix: SOIL
Analyses		Result	RL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: SNS
Chloride		63	60 mg/Kg 20 4/26/2023 2:48:17 AM 74553

٠ Value exceeds Maximum Contaminant Level. Analyte detected in the associated Method Blank Qualifiers: в
 D
 Sample Diluted Due to Matrix

 H
 Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit
 Above Quantitation Range/Estimated Value Е

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Limit

Page 2 of 7

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Hall Environ	mental Analysis	s Laboratory, Inc.				I	Analytical Report Lab Order: 2304A2 Date Reported: 5/3/	7	
	ENSOLUM 44 H				I	.ab (Drder: 2304	A27	
Lab ID:	2304A27-011		C	Collect			21/2023 11:30:00	АМ	
Client Sample ID:	CS25				Matrix				
Analyses		Result	RL	Qual	l Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	SNS
Chloride		ND	60		mg/Kg	20	4/26/2023 3:00:42	AM	74553
Lab ID:	2304A27-012		C	Collect	ion Date	: 4/2	21/2023 10:55:00	AM	
Client Sample ID:	HA11				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	SNS
Chloride		ND	60		mg/Kg	20	4/26/2023 3:13:06	AM	74553
Lab ID:	2304A27-013		C	Collect	ion Date	: 4/2	21/2023 10:57:00	AM	
Client Sample ID:	HA11 A				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	l Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	SNS
Chloride		900	60		mg/Kg	20	4/26/2023 8:23:24	PM	74584
Lab ID:	2304A27-014		C	Collect	ion Date	: 4/2	21/2023 10:59:00	AM	
Client Sample ID:	HA11 B				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	SNS
Chloride		ND	59		mg/Kg	20		-	74584
Lab ID:	2304A27-015		0	Collect	ion Date	: 4/2	21/2023 11:05:00	AM	
Client Sample ID:	HA15				Matrix	: SC	DIL		
		Result	ы	Qual	Unite	DF	Date Analyzed	Ra	tch ID
Analyses		Result	ĸL	Quai	Units	DI	Date Analyzeu	Da	
Analyses EPA METHOD 300	0.0: ANIONS	Kesun	ĸL	Quai	Units	Dr			SNS

٠ 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

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Limit

Page 3 of 7

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Qualifiers:

Hall Environ	mental Analysis	Laboratory, Inc.				1	Analytical I Lab Order: 2 Date Reporte	304A27		
	ENSOLUM 344 H				L	ab (Order:	2304/	127	
Lab ID: Client Sample ID:	2304A27-016 HA15 A		С	Collecti	on Date Matrix		21/2023 11: OIL	07:00 /	AМ	
Analyses		Result	RL	Qual	Units	DF	7 Date Ana	yzed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	120	60		mg/Kg	20) 4/26/2023		-	SNS 74584
Lab ID:	2304A27-017		С	Collecti	on Date	: 4/	21/2023 11:	10:00 /	AМ	
Client Sample ID:	HA15 B				Matrix	: S(OIL			
Analyses		Result	RL	Qual	Units	DF	7 Date Ana	lyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS							Ana	alyst:	SNS
Chloride		350	60		mg/Kg	20	4/26/2023	9:12:47	PM	74584
Lab ID:	2304A27-018		С	ollecti	on Date	: 4/	21/2023 11:	18:00 /	ΑM	
Client Sample ID:	HA16				Matrix	: S(OIL			
Analyses		Result	RL	Qual	Units	DF	Date Ana	yzed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	60		mg/Kg	20) 4/26/2023			SNS 74584
Lab ID:	2304A27-019		С	ollecti	on Date	: 4/	21/2023 11:	21:00 /	λM	
Client Sample ID:	HA16 A				Matrix	: S(OIL			
Analyses		Result	RL	Qual	Units	DF	7 Date Ana	yzed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	98	60		mg/Kg	20	4/26/2023		-	SNS 74584
Lab ID:	2304A27-020		С	ollecti	on Date	: 4/	21/2023 11:	25:00 /	٩M	
Client Sample ID:	HA16 B				Matrix	: S(OIL			
Analyses		Result	RL	Qual	Units	DF	7 Date Ana	lyzed	Ba	tch ID
EPA METHOD 300								A	alvot	SNS

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

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Limit

Page 4 of 7

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Qualifiers:

Hall Environ	mental Analysis	Laboratory, Inc.				Ι	Analytical Rep Lab Order: 2304, Date Reported:	A27	23	
	ENSOLUM 44 H				L	.ab C	Order: 23	04A2	27	
Lab ID:	2304A27-021		С	ollecti	on Date	: 4/2	21/2023 11:30:	00 AN	М	
Client Sample ID:	HA18				Matrix	: SC	DIL			
Analyses		Result	RL	Qual	Units	DF	Date Analyze	d	Batch	i ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	60		mg/Kg	20		-	yst: SI PM 74	
Lab ID:	2304A27-022		С	ollecti	on Date	: 4/2	21/2023 11:33:	00 AN	M	
Client Sample ID:	HA18 A				Matrix	: SC	DIL			
Analyses		Result	RL	Qual	Units	DF	Date Analyze	d	Batch	ı ID
EPA METHOD 300	0.0: ANIONS							Analy	/st: JN	ит
Chloride		190	60		mg/Kg	20	4/27/2023 4:19	:07 PI	M 74	1601
Lab ID:	2304A27-023		С	ollecti	on Date	: 4/2	21/2023 11:35:	00 AN	M	
Client Sample ID:	HA18 B				Matrix	: SC	DIL			
Analyses		Result	RL	Qual	Units	DF	Date Analyze	d	Batch	i ID
EPA METHOD 300 Chloride	0.0: ANIONS	61	60		mg/Kg	20		-	/st: SI 1 74	NS 1674
Lab ID:	2304A27-024		С	ollecti	on Date	: 4/2	21/2023 11:16:	00 AN	M	
Client Sample ID:	CS10- Dup				Matrix	: SC	DIL			
Analyses		Result	RL	Qual	Units	DF	Date Analyze	d	Batch	1D
EPA METHOD 300 Chloride	0.0: ANIONS	67	60		mg/Kg	20		-	yst: SI 74	NS 1674

Qualifiers:

٠ 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

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Limit

Page 5 of 7

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ENSOLUM

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: 344	Н			
Sample ID: MB-74553	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 74553	RunNo: 96292		
Prep Date: 4/25/2023	Analysis Date: 4/25/2023	SeqNo: 3487901	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-74553	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 74553	RunNo: 96292		
Prep Date: 4/25/2023	Analysis Date: 4/25/2023	SeqNo: 3487902	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 93.9 90	110	
Sample ID: MB-74584	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 74584	RunNo: 96342		
Prep Date: 4/26/2023	Analysis Date: 4/26/2023	SeqNo: 3489317	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-74584	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 74584	RunNo: 96342		
Prep Date: 4/26/2023	Analysis Date: 4/26/2023	SeqNo: 3489318	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 93.5 90	110	
Sample ID: MB-74601	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 74601	RunNo: 96357		
Prep Date: 4/27/2023	Analysis Date: 4/27/2023	SeqNo: 3490739	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-74601	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 74601	RunNo: 96357		
Prep Date: 4/27/2023	Analysis Date: 4/27/2023	SeqNo: 3490740	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 96.1 90	110	

Qualifiers:

Value exceeds Maximum Contaminant Level.

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

Page 6 of 7

WO#: 2304A27

03-May-23

Analyte

Chloride

PQL

1.5

15.00

Result

16

Client: Project:	ENSOL 344 H	UM			
Sample ID: M	B-74674	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PI	BS	Batch ID: 74674	RunNo: 96419		
Prep Date: 5	5/1/2023	Analysis Date: 5/1/2023	SeqNo: 3494434	Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID: LO	CS-74674	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LO	CSS	Batch ID: 74674	RunNo: 96419		
Prep Date: 5	5/1/2023	Analysis Date: 5/1/2023	SeqNo: 3494435	Units: mg/Kg	

SPK value SPK Ref Val %REC LowLimit

109

0

HighLimit

110

90

%RPD

RPDLimit

Qual

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

Page 7 of 7

2304A27

03-May-23

WO#:

Page 24	4 of 41
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HALL ENVIE ANAL	RONMENT	8:30:33 AM	TE	ll Environme L: 505-345-3 Website: www	490 Albuquero 1975 FAX:	1 Haw ue. NN 505-3	kins NE 4 87109 45-4107	Sa	mple Log-In C	^p heck List
Client Name:	ENSOLUM		Work	Order Num	ber: 230	4A27			RcptNo:	1
Received By:	Tracy Cas	arrubias	4/25/20	23 6:20:00	АМ					
Completed By:	Tracy Cas	arrubias	4/25/20	23 9:13:58	AM					
Reviewed By:	17	25.23								
Chain of Cus	stody									
1. Is Chain of C	ustody comp	lete?			Yes		1	10 🗹	Not Present	
2. How was the	sample deliv	vered?			Cou	rier				
Log In 3. Was an atter	npt made to o	cool the samp	les?		Yes		N	10 🗆	NA 🗆	
4. Were all sam	ples received		ture of 20° C	to 6.0°C	Yes			10 🗆		
-r. vvere all sam	pies received	at a tempera		10 0.0 C	res	×.				
5. Sample(s) in	proper conta	iner(s)?			Yes	\checkmark	1	10 🗆		
6. Sufficient san	nple volume f	for indicated te	est(s)?		Yes		N	•		
7. Are samples	(except VOA	and ONG) pro	perly preserv	ed?	Yes	\checkmark	N	• 🗆		
8. Was preserva	ative added to	bottles?			Yes		N	₀ 🗹	NA 🗌	
9. Received at la	east 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes		N	• 🗆	NA 🗹	,
10. Were any sa	mple contain	ers received b	roken?		Yes		N	lo 🗹	# of preserved	
11. Does paperw (Note discrep		ttle labels? ain of custody)		Yes		N	• 🗆	bottles checked for pH: (<2 or	>12 unless noted
12. Are matrices	correctly iden	tified on Chai	n of Custody?		Yes	\checkmark	N	•	Adjusted?	
13. Is it clear wha	at analyses w	ere requested	?		Yes	\checkmark		•		
14. Were all hold (If no. notify c	-	e to be met? authorization.)			Yes		N	•	Checked by:	10-100
Special Hand									1 -110 41	25/23
15. Was client no			with this order	?	Yes		,	• □	NA 🗹	
Person	Notified:	1		Date	:			-		
By Wh	om:			Via:	eM	ail [] Phone	🗌 Fax	x 🔲 In Person	
Regard	fing:	1				-		and a standard		
Client I	instructions:	Mailing addre	ess and phone	number mi	ssina on	COC- 1	TMC 4/25	/23		
16. Additional re	emarks:									
17. Cooler Info			1						- 1	
Cooler No	Temp °C 3.2		Seal Intact		Seal D	ate	Signe	d By	-	
2	2.5	Good	Yes	Morty Morty						

Page 1 of 1

цил зд-Евлопана П. калай А. М. В. У. С. В. К. О. В. К.	Chain-	of-Cu	Chain-of-Custody Record						HALL		NV2	R0	NM	ENVIRONMENTAL	
Н.с.К. Project Hame: Multiple Manuager: 24/4/1 34/4/1 34/4/1 34/4/1 24/4/1 24/4/1 34/4/1 24/4/1 26/1 56/1 56/2 <th>ENS.</th> <th>Ollaw</th> <th></th> <th>W-Standard</th> <th></th> <th></th> <th></th> <th></th> <th>NN</th> <th>Ľ</th> <th>SIS</th> <th>P</th> <th>SOR</th> <th>ATO</th> <th>≻</th>	ENS.	Ollaw		W-Standard					NN	Ľ	SIS	P	SOR	ATO	≻
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Matrix Sample Name Cooler Tempowerce: Old (M1(K) C0) HEAL No. TPH resolution Solid Type and # Type Type 7001 BTEX. No. 7701 2001	EDD (Tvne)			# of Coolers:	2		_			-	_	_	_		_
Time Matrix Sample Name Container Preservative HEAL No. TEX Rd EX Rd TOP 11116 $\zeta_{0.11}$ $\zeta_{0.01}$	10-16-1 00-			Cooler Temp	(Including CF): S	00			_	_	_	_	_		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		Matrix	Sample Name	Container Type and #	Preservative Type	2300A			_			_			
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	Coil	C507	20/1	000	001		-		-+		+	X	+	+
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I/16 C516 004 004 1 I/17 C511 C05 005 006 006 I/17 C515 006 006 007 007 I/17 C515 007 007 007 007 I/17 C515 006 007 007 007 I/17 C515 000 000 010 010 I/17 C515 010 000 010 010 I/17 C525 V 011 012 012 If:50 C525 V 012 012 012 If:50 C525 V 012 012 012 If:50 C525 V 012 012 012 If:50 C555 V 012 012 012 If:50 C555 V 012 012 012 If:50 C555 V 012 012 012 If:50 If:50 V Val 012 012 If:51 <	11 14		cs09			003			-	+		+	4	+	+
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1/20 $CS/2$ 006 010 007 001 007 007 007 001 007 007 001 007 001 007 001 007 001	5111		C511			SOO			_	+	_	+		+	+
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1/3L $CS1G$ OOS <	1124		C515			006				$^{+}$	-	+	-	+	Ŧ
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HALL ENVIRONMENTAL		www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis Request		esdA\\	3 '²C	, 182 ИС	d) (b 3'	310 () ()	3 K 3 K 3 K 3 K 3 K	F, E 50 (V 2) 05	Loi 825 826 61' 826											-*)		ecorrolle en solum com		Any sub-contracted data will be clearly notated on the analytical report.
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			49	Ĕ		_	208) a AM \ (_		_	_	_	_	_	_		_			_		_	_	_		Remarks:		ossibility
Turn-Around Time:	📈 Standard 🛛 🗆 Rush	Name: 244 H	÷	#		Project Manager:	ooke Herb	~ _	. ac	N Yes DNO	blers: 2	Cooler Tempinausing CP. CNULLINF (°C)	ative HEAL No.	Type 2304A27	92 COOI 013	1 014	015	010	1014	010	610	020	120	120 1	C 023	6 I	Wa: Date Time	VIALOUMAN Date	dited laboratories.
urn-Ar	🕅 Stai	roject		Project #:		roject			Sampler:	On Ice:	# of Coolers:	Cooler	Container	Type and #	149										H		Received by:	Received by:	the second
Chain-of-Custody Record		erb				CN 50111m, Com		4 (Full Validation)	mpliance		46			Sample Name	HA II A	HAIL B.	SIAH T THAIS	RIAN & CLANA	HALD - HAIS 8	MA10	HA13 & HA16A	HALG B	HA 16	HA18 A	8	CSID-DUND WAR y lestes	2	Reinquished by:	Iali Envi
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ට Releas	client:	B Looke	ng:	2/1	# euoque	t email or	OAVOC Package:	D Stand	Accreditation:	D NEL				Date	12-4	-										12-17	Date: 4-24	Date: 4/24/27	



July 06, 2023

Stuart Hyde ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: South Lybrook 344H

OrderNo.: 2306E07

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/28/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Env	vironmental Analy	sis Laboratory, Inc.					Analytical Report Lab Order 2306E07 Date Reported: 7/6/202	23
CLIENT: 1	ENSOLUM		Cl	ient Sa	mple II	D: H/	A11@2.5'	
Project: S	South Lybrook 344H		(Collect	ion Dat	e: 6/2	27/2023 1:26:00 PM	
Lab ID: 2	2306E07-001	Matrix: SOIL		Recei	ved Dat	e: 6/2	28/2023 6:45:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METH	OD 300.0: ANIONS						Analys	t: JMT
Chloride		ND	61		mg/Kg	20	7/3/2023 8:00:38 PM	75965

Qualifiers:

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

Page 1 of 2

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ENSOLUM

Client:

Qualifiers:

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D

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ND

s

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Released to	Imaging:	2/1/2024	4:00:02	PM

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

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

Sample Diluted Due to Matrix

PQL Practical Quanitative Limit

Not Detected at the Reporting Limit

Project:	Sout	h Lybrook 344H								
Sample ID:	MB-75965	SampType: mb	lk	Tes	tCode: EP	A Method	300.0: Anions	;		
Client ID:	PBS	Batch ID: 759	65	F	RunNo: 97	896				
Prep Date:	7/3/2023	Analysis Date: 7/3	/2023	s	SeqNo: 35	61641	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-75965	SampType: Ics		Tes	tCode: EP	A Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 759	65	F	RunNo: 97	896				
Prep Date:	7/3/2023	Analysis Date: 7/3	/2023	S	GeqNo: 35	61642	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	94.9	90	110			

- 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

Page 2 of 2

- WO#: 2306E07
 - 06-Jul-23

Page	30	of	41

ENVIRONMENTAL ANALYSIS LABORATORY TEL	Environmental Analysis Laboratory 4901 Hawkins Nl Albuquerque, NM 87109 505-345-3975 FAX: 505-345-4103 ebsite: www.hallenvironmental.com	sam	nple Log-In (Page 30
Client Name: ENSOLUM Work (Order Number: 2306E07		RcptNo	o: 1
Received By: Tracy Casarrubias 6/28/202	3 6:45:00 AM			
Completed By: Tracy Casarrubias 6/28/202	3 7:16:31 AM			
Reviewed By: CMC. Glast	23			
Chain of Custody				
 Is Chain of Custody complete? 	Yes 🗌	No 🗹	Not Present	
2. How was the sample delivered?	Courier			
Log In 3. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗆	
 Were all samples received at a temperature of >0° C to 	0.0°C Yes ☑	No 🗆	NA 🗌	
5. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly preserved	d? Yes 🗹	No 🗌		
3. Was preservative added to bottles?	Yes 🗌	No 🗹	na 🗆	
9. Received at least 1 vial with headspace <1/4" for AQ V		No 🗌	NA 🗹	
0. Were any sample containers received broken?	Yes	No 🗹	# of preserved bottles checked	
1. Does paperwork match bottle labels?	Yes 🗹	No 🗌	for pH:	a 10 unloss noted)
(Note discrepancies on chain of custody)	Yes 🗹	No 🗌	Adjusted?	or >12 unless noted)
2. Are matrices correctly identified on Chain of Custody? 3. Is it clear what analyses were requested?	Yes ₩ Yes ₩			
4. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Cheeked by:	Jn6/28/23
pecial Handling (if applicable)				
5. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:			
By Whom:	Via: 🗌 eMail 🗌 Phor	ne 🗌 Fax	In Person	
Regarding:				
Client Instructions: Mailing address and phone 16. Additional remarks:	number are missing on COC - Th	WC 6/28/23		
7. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact	Seal No Seal Date Sig	gned By		
	Yogi			

<i>Received by OCD: 8/17/2023</i>	8:30:33 AM		Page 31 of 4.
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	2081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS SCRA 8 Metals S260 (VOA) S270 (Semi-VOA) S270 (Semi-VOA) Total Coliform (Present/Absent)		Date Time Remarks: 7/23 1454 CC: 5hyk Cersol m.c.m Date Time (15/13 6:45 M5/13 6:45 Misserves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
4901 Tel.	TPH:8015D(GRO / DRO / MRO)		Remarks:
	(1208) s'8MT \ 38TM \ X3T8		Rema
Turn-Around Time: デーシック 文 Standard ORush Project Name: Suth とっしいん 344件 Project #:	Project Manager: Shurt Hyde Sampler: Neece Herson On Ice: 1 Yes No yogi # of Coolers: 1 Cooler Temp(meduare cr):5.2 - 0 - 5.2 (°C) Container Preservative HEAL No. Type and # Type	Car (001	Via: COUNTY
Client: Ense (Lung Lecord Client: Ense (Lung LLC Attan: Stunt (tyde Mailing Address: Phone #:	email or Fax#: לאילר כל נייד, כידי סאלסר Package: Standard Level 4 (Full Validation) Accreditation: Az Compliance NELAC Other DELAC Other Date Time Matrix Sample Name	1,122 5.21	Date: Time: Relinquished by: Chr. H5H H5H Relinquished by: Date: Time: Relinquished by: MM Keceived by: M Keceived





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: NEU 344

Work Order: E307146

Job Number: 23003-C-0001

Received: 7/26/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 7/27/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 7/27/23

Stuart Hyde 3122 National Parks Hwy Carlsbad, NM 88220

Project Name: NEU 344 Workorder: E307146 Date Received: 7/26/2023 2:18:00PM

Stuart Hyde,



Page 33 of 41

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/26/2023 2:18:00PM, under the Project Name: NEU 344.

The analytical test results summarized in this report with the Project Name: NEU 344 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Received by OCD: 8/17/2023 8:30:33 AM

eceived by OCD: 8/17/2023 8:30:33 AM			Page	e 35 of 41
	Sample Sum			
Ensolum, LLC	Project Name:	NEU 344	Reported:	
3122 National Parks Hwy	Project Number:	23003-C-0001	Reporteu:	
Carlsbad NM, 88220	Project Manager:	Stuart Hyde	07/27/23 13:16	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS24	E307146-01A	Soil	07/26/23	07/26/23	Glass Jar, 4 oz.



.

	Sam	pic Da	i.a								
Ensolum, LLC	Project Name:	NEU 3	44								
3122 National Parks Hwy	Project Number: 23003-C-0001					Reported:					
Carlsbad NM, 88220	Project Manager:	Stuart	Hyde		7/27/2023 1:16:07PM						
	CS24										
E307146-01											
		Reporting									
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst:	KF		Batch: 2330062					
Chloride	223	20.0	1	07/26/23	07/26/23						

Sample Data



.

Received by OCD: 8/17/2023 8:30:33 AM

QC Summary Data

		X ² ²			•				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	EU 344 6003-C-0001 uart Hyde					Reported: 7/27/2023 1:16:07PM
		Anions	by EPA 3	00.0/9056A	`				Analyst: KF
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2330062-BLK1)							Prepared: 0	7/26/23 Ai	nalyzed: 07/26/23
Chloride	ND	20.0							
LCS (2330062-BS1)							Prepared: 0	7/26/23 Ai	nalyzed: 07/26/23
Chloride	248	20.0	250		99.2	90-110			
LCS Dup (2330062-BSD1)							Prepared: 0	7/26/23 At	nalyzed: 07/26/23
Chloride	246	20.0	250		98.6	90-110	0.608	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Ensolum, LLC	Project Name:	NEU 344	
3122 National Parks Hwy	Project Number:	23003-C-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Stuart Hyde	07/27/23 13:16
	*		

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of	Custody
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	d by OCD: a	8/17/202	23 8:30	:33 AM			Chain d	of Custod	y									.	• •	101	10.	Page	Page	e 39 of 4 1
Project: Project M Address: City, Stat Phone: Email: 9	NEG 30 NEG 30 Manager: 51 776 E 1976 E 1975 90 Lydc Q ue by: Thu	201 201 3-150 ensolu	4. Je Ane Co 1 7	200	1999 1990 17	Bill To Attention: Sturt H Address: 776 E 7 City. State. Zip Drag Phone: 970-903-1 Email: Shydre enso (C: rhuson C	Ane Ane			GRO/DRO by 8015	ηų	6	Anal	Num ysis a		ethod	1D X		TĂ	Stand	dard	EPA Pr CWA State UT AZ	SDWA RCRA	
Time Sampled	Date Sampled	Matrix	No. of Container	Sample I				Lab Number	DRO/OR	GRO/DR	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX					1	Remarks		1
125(7/26/23	45:1	1,4.	a (524			1						X										
			-						-		-		\vdash	\vdash										
								2-35-9 2											_					
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	al Instruction		authentici	ty of this sample	e. I am aware	that tampering with or intentionally	mislabelling the	e sample loc	ation				Sampl	les requ	dring th	ermal p	reserva	tion mus	st be rec	ceived on ic	e the day th	by are sample	ed or received	
date or time	of collection is co	onsidered fra				Sampled by:									_						sequent days			
R	ed by: (Signatur ed by: (Signatur	$\overline{\lambda}$	Da Da	121/23 te	Time Time	Received by: (Signature) Received by: (Signature)		Date Date	23	Time Time	 :	8	Rec	eive	ioni	ce:					16	4		
Relinquish	ed by: (Signatur	re)	Da	te	Time	Received by: (Signature)		Date		Time			T1 AVG	Ten	np °C		0		1. 2	≤ 13				
Relinquish	ed by: (Signatur	re)	Da	te	Time	Received by: (Signature)		Date	,	Time			F											1
	rix: S - Soil, Sd - So amples are disc	carded 30 d	lays after	results are re	ported unle	ss other arrangements are mad mples received by the laborato	e. Hazardous	Containe s samples v OC. The lia	vill be	return	ned to	clien	t or d	lispose	ed of a	at the	client	expen	ise. T	he repor	rt for the a	analysis of	the above	•
													E							-	0	te	ec	h

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	Ensolum, LLC	Date Received:	07/26/23 14:18	Work Order ID:	E307146
hone:	(575) 988-0055	Date Logged In:	07/26/23 14:22	Logged In By:	Alexa Michaels
Email:	shyde@ensolum.com	Due Date:	07/26/23 17:00 (0 day TAT)		

1. Does the sample ID match the COC?	Yes	
Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field,	Yes	Courses Declaration
i.e, 15 minute hold time, are not included in this disucssion.		Comments/Resolution
Sample Turn Around Time (TAT)		
6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	
Sample Cooler		
7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
 Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 16°C	2	
Sample Container		
14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	
Field Label		
20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	
Sample Preservation		
21. Does the COC or field labels indicate the samples were preserved?	Yes	
22. Are sample(s) correctly preserved? 24. Juliah filteration and/or networked for disculated metals?	No	
24. Is lab filteration required and/or requested for dissolved metals?	No	
Multiphase Sample Matrix		
26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	
Subcontract Laboratory		
28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA
Client Instruction		

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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: ENDURING RESOURCES, LLC	OGRID: 372286	
	Action Number: 253090	
	Action Type: [C-141] Release Corrective Action (C-141)	
CONDITIONS		
Created By Condition		Condition

Created By Condition

Accepted for the record. Incident on tribal land. scwells

CONDITIONS

Action 253090

Date

2/1/2024