



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

May 5, 2021

Jake Janicek
Caerus Oil and Gas LLC
120 North Railroad Ave.
Parachute, CO 81635

RE: EHS H2S Work

Dear Jake:

Enclosed are the results of the samples submitted to our laboratory on April 29, 2021. For your reference, these analyses have been assigned our service request number P2102258.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 5:52 pm, May 05, 2021

Sue Anderson
Project Manager



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Client: Caerus Oil and Gas LLC
Project: EHS H2S Work

Service Request No: P2102258

CASE NARRATIVE

The samples were received intact under chain of custody on April 29, 2021 and were stored in accordance with the analytical method requirements. The samples were received past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time exceedance. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Hydrogen Sulfide Analysis

The samples were analyzed for hydrogen sulfide per modified SCAQMD Method 307-91 and ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). Method ASTM D 5504-12 is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP accreditation. Method SCAQMD 307-91 is not included on the laboratory's NELAP or DoD-ELAP accreditation.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-008
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413- 19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA01627201 9-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

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DETAIL SUMMARY REPORT

Client: Caerus Oil and Gas LLC
Project ID: EHS H2S Work

Service Request: P2102258

Date Received: 4/29/2021
Time Received: 09:30

ASTM D 5504-12 - H2S Bag

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	
20210427 07k Fed 07-33 D	P2102258-001	Air	4/27/2021	10:00	X
20210427 07k Fed 07-33 C	P2102258-002	Air	4/27/2021	10:15	X
20210427 07k Fed 07-33 B	P2102258-003	Air	4/27/2021	10:20	X
20210427 07k Fed 07-43 D	P2102258-004	Air	4/27/2021	10:30	X
20210427 07N M Dutton 07-24B	P2102258-005	Air	4/27/2021	11:35	X



Air - Chain of Custody Record & Analytical Service Request

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 Phone (805) 526-7161

Company Name & Address (Reporting Information) <i>Cerus Oil and Gas</i> 143 Diamond ave Perris, CA 91765		Project Name <i>EHS H₂S work</i>		Requested Turnaround Time In Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard		ALS Project No. <i>210-2258</i>	
Project Manager <i>Jake Danirell</i>		Project Number <i>P.O. # / Billing Information</i>		ALS Contact:		Analysis Method	
Phone <i>970-776-2314</i>		Fax		Sampler (Print & Sign)		Comments e.g. Actual Preservative or specific instructions	
Email Address for Result Reporting <i>JDanirell@CerusOilandGas.com</i>		Laboratory ID Number		Date Collected		Time Collected	
Client Sample ID <i>20210427 07K Fed</i> <i>07-33D</i> <i>20210427 07K Fed</i> <i>07-33C</i> <i>20210427 07K Fed</i> <i>07-33A</i> <i>20210427 07K Fed</i> <i>07-33D</i> <i>20210427 07N</i> <i>M.O. Action 07-27B</i>		Laboratory ID Number <i>1</i> <i>2</i> <i>3</i> <i>4</i> <i>5</i>		Date Collected <i>4-27-21</i> <i>4-27-21</i> <i>4-27-21</i> <i>4-27-21</i> <i>4-27-21</i>		Time Collected <i>10:00</i> <i>10:15</i> <i>10:20</i> <i>10:30</i> <i>11:35</i>	
Canister ID (Bar code # - AC, SC, etc.)		Flow Controller ID (Bar code # - FC #)		Canister Start Pressure "Hg		Canister End Pressure "Hg/psig	
Sample Volume		Sample Volume		Sample Volume		Sample Volume	
EDD required Yes / No		Type:		Units:		Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT	
Report Tier Levels - please select Tier I - Results (Default if not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Data Validation Package) 10% Surcharge _____		Relinquished by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>	
Date: <i>4-27-21</i> Time: <i>12:30 PM</i>		Date: <i>4-27-21</i> Time: <i>1:30</i>		Date: <i>4-27-21</i> Time: <i>1:30</i>		Date: <i>4-27-21</i> Time: <i>09:30</i>	
Relinquished by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>	
Project Requirements (MRLs, QAPP)		Cooler / Blank Temperature _____ °C		Cooler / Blank Temperature _____ °C		Cooler / Blank Temperature _____ °C	

**ALS Environmental
Sample Acceptance Check Form**

Client: Caerus Oil and Gas LLC Work order: P2102258
 Project: EHS H2S Work
 Sample(s) received on: 4/29/21 Date opened: 4/29/21 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|--------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? <u>Cooler lid.</u> Sealing Lid? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were signature and date included? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were seals intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2102258-001.01	1 L Zefon Bag					
P2102258-002.01	1 L Zefon Bag					
P2102258-003.01	1 L Zefon Bag					
P2102258-004.01	1 L Zefon Bag					
P2102258-005.01	1 L Zefon Bag					

Explain any discrepancies: (include lab sample ID numbers): _____

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RESULTS OF ANALYSIS

Page 1 of 1

Client: Caerus Oil and Gas LLC
Client Project ID: EHS H2S Work

ALS Project ID: P2102258

Hydrogen Sulfide

Test Code: ASTM D 5504-12
Instrument ID: Agilent 6890A/GC13/SCD
Analyst: Gilbert Gutierrez
Sample Type: 1 L Zefon Bag(s)
Test Notes:

Date(s) Collected: 4/27/21
Date Received: 4/29/21
Date Analyzed: 4/29/21

Client Sample ID	ALS Sample ID	Injection		Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
		Volume ml(s)	Time Analyzed					
20210427 07k Fed 07-33 D	P2102258-001	0.30	09:54	170,000	23	120,000	17	H3
20210427 07k Fed 07-33 C	P2102258-002	0.30	09:59	63,000	23	45,000	17	H3
20210427 07k Fed 07-33 B	P2102258-003	0.30	10:10	39,000	23	28,000	17	H3
20210427 07k Fed 07-43 D	P2102258-004	0.30	10:17	130,000	23	93,000	17	H3
20210427 07N M Dutton 07-24B	P2102258-005	0.30	10:25	100,000	23	75,000	17	H3
Method Blank	P210429-MB	1.0	07:20	ND	7.0	ND	5.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

H3 = Sample was received and analyzed past holding time.

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LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: Caerus Oil and Gas LLC
Client Sample ID: Lab Control Sample
Client Project ID: EHS H2S Work

ALS Project ID: P2102258
ALS Sample ID: P210429-LCS

Test Code: ASTM D 5504-12
Instrument ID: Agilent 6890A/GC13/SCD
Analyst: Gilbert Gutierrez
Sample Type: 1 L Zefon Bag
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 4/29/21
Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	989	1,020	103	72-122	