



Friday, July 30, 2021

Sam Bollinger
Ogris Operating, LLC
21603 State Hwy 12
Trinidad, CO 81082

Re: ALS Workorder: 2106207
Project Name: Semi-Annual Analytical
Project Number:

Dear Mr. Bollinger:

Two water samples were received from Ogris Operating, LLC, on 6/9/2021. The samples were scheduled for the following analyses:

Inorganics

Metals

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The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Katie M. OBrien
Project Manager

Accreditations: ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
PJ-LA (DoD ELAP/ISO 170250)	95377
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280

40 CFR Part 136: All analyses for Clean Water Act samples are analyzed using the 40 CFR Part 136 specified method and include all the QC requirements.



2106207

Inorganics:

The sample was analyzed following SW-846 and EMSL procedures for the current revisions of the following SOPs and methods:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
Hexavalent chromium	7196A	1122
Chloride	300.0 Revision 2.1	1113

Chromium III is a calculated value derived from the subtraction of hexavalent chromium from total chromium.

The sample was analyzed outside of hold time for chloride (See NCR #15308).

All remaining acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2106207

Client Name: Ogris Operating, LLC

Client Project Name: Semi-Annual Analytical

Client Project Number:

Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
019A-A	2106207-1		WATER	08-Jun-21	12:14
019A-A	2106207-2		WATER	08-Jun-21	12:14

2106207

ALS Global

Company Name: Ogris Operating, LLC
 Address: 21603 State Hwy 12
 Trinidad, CO 81082
 Contact: Ronald Mack
 Phone #: 719-845-2100
 Permit #: CO0048062

225 Commerce Drive
 Fort Collins, CO 80524
 Phone: (970) 488-3042 - Email: marcela.hobgood@alsglobal.com

Semi-Annual Analytical Chain of Custody

Sample Description	Sample Date	Time MST	(C)omp/ (G)rab	Arsenic, TR	Chromium, TR	Chromium+3, TR	Lead, PD	Copper, PD	Chloride	Molybdenum, TR	Nickel, PD	Nickel, TR	Sulfide as H2S	Cadmium, PD	# Containers	Preservatives
① 019A-A	6/8/2021	12:14PM	G	X	X	X	② X	X	X	X	X	X	X	X	5	HNO3/Acetate/Ice

Collected by: (Signature)	<u>[Signature]</u>	Date: <u>6-8-2021</u>	Time: <u>4:30pm</u>
Relinquished by: (Signature)	<u>[Signature]</u>	Date: <u>6-9-21</u>	Time: <u>0930</u>
Received by: (Signature)	<u>[Signature]</u>	Date: _____	Time: _____
Received by: (Signature)	<u>[Signature]</u>	Date: _____	Time: _____
Method of Shipment:	<u>Fed-ex</u>		
Additional Comments:	<u>1st Semi-Annual AC</u>		



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: OGRIS Workorder No: 2106207
 Project Manager: KMO Initials: JPE Date: 06/09/2021

	N/A	YES	NO
1. Are airbills / shipping documents present and/or removable? Tracking number: 7739 4422 2605		X	
2. Are custody seals on shipping containers intact?		X	
3. Are custody seals on sample containers intact?	X		
4. Is there a COC (chain-of-custody) present?		X	
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)		X	
6. Are short-hold samples present?		X	
7. Are all samples within holding times for the requested analyses?		X	
8. Were all sample containers received intact? (not broken or leaking)		X	
9. Is there sufficient sample for the requested analyses?		X	
10. Are samples in proper containers for requested analyses? (form 250, <i>Sample Handling Guidelines</i>)		X	
11. Are all aqueous samples preserved correctly, if required? (excluding volatiles)		X	
12. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm (1/4 inch) diameter? (i.e. size of green pea)	X		
13. Were the samples shipped on ice?		X	
14. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: #5		
Cooler #: <u>1</u> Temperature (°C): <u>4.5</u> # of custody seals on cooler: <u>1</u> External µR/hr reading: <u>11</u> Background µR/hr reading: <u>10</u> Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES			

* Please provide details here for NO responses to boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

Were unpreserved bottles pH checked? NA All client bottle ID's vs ALS lab ID's double-checked by: JE

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: [Signature] 6/10/21

Client: Ogris Operating, LLC
Project: Semi-Annual Analytical
Sample ID: 019A-A
Legal Location:
Collection Date: 6/8/2021 12:14

Date: 30-Jul-21
Work Order: 2106207
Lab ID: 2106207-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexavalent Chromium CHROMIUM VI	ND	SW7196	0.01	MG/L	1	Prep Date: 6/8/2021 PrepBy: LMC 6/9/2021
Ion Chromatography CHLORIDE	17	EPA300.0	1	MG/L	5	Prep Date: 7/23/2021 PrepBy: LMC 7/24/2021 03:53
Total Recoverable Trivalent Chromium (from Total Cr - Cr CHROMIUM III	0.00008	CRIII	0.01	MG/L	1	Prep Date: 6/9/2021 PrepBy: LMC 6/9/2021

Client: Ogris Operating, LLC
Project: Semi-Annual Analytical
Sample ID: 019A-A
Legal Location:
Collection Date: 6/8/2021 12:14

Date: 30-Jul-21
Work Order: 2106207
Lab ID: 2106207-2
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
 U or ND - Result is less than the sample specific MDC.
 Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
 Y2 - Chemical Yield outside default limits.
 W - DER is greater than Warning Limit of 1.42
 * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
 # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
 G - Sample density differs by more than 15% of LCS density.
 D - DER is greater than Control Limit
 M - Requested MDC not met.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
 L - LCS Recovery below lower control limit.
 H - LCS Recovery above upper control limit.
 P - LCS, Matrix Spike Recovery within control limits.
 N - Matrix Spike Recovery outside control limits
 NC - Not Calculated for duplicate results less than 5 times MDC
 B - Analyte concentration greater than MDC.
 B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
 U or ND - Indicates that the compound was analyzed for but not detected.
 E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 M - Duplicate injection precision was not met.
 N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 * - Duplicate analysis (relative percent difference) not within control limits.
 S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
 B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
 E - Analyte concentration exceeds the upper level of the calibration range.
 J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
 A - A tentatively identified compound is a suspected aldol-condensation product.
 X - The analyte was diluted below an accurate quantitation level.
 * - The spike recovery is equal to or outside the control criteria used.
 + - The relative percent difference (RPD) equals or exceeds the control criteria.
 G - A pattern resembling gasoline was detected in this sample.
 D - A pattern resembling diesel was detected in this sample.
 M - A pattern resembling motor oil was detected in this sample.
 C - A pattern resembling crude oil was detected in this sample.
 4 - A pattern resembling JP-4 was detected in this sample.
 5 - A pattern resembling JP-5 was detected in this sample.
 H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
 L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
 Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

ALS -- Fort Collins

Client: Ogris Operating, LLC
Work Order: 2106207
Project: Semi-Annual Analytical

Date: 7/30/2021 9:17:

QC BATCH REPORT

Batch ID: **CR210609-2-1** Instrument ID **Spec** Method: **SW7196**

LCS	Sample ID: CR210609-2			Units: MG/L			Analysis Date: 6/9/2021					
Client ID:	Run ID: CR210609-2A1			Prep Date: 6/8/2021			DF: 1					
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
CHROMIUM VI	0.102	0.01	0.1		103	90-110				20		

MB	Sample ID: CR210609-2			Units: MG/L			Analysis Date: 6/9/2021					
Client ID:	Run ID: CR210609-2A1			Prep Date: 6/8/2021			DF: 1					
Analyte	Result	ReportLimit									Qual	
CHROMIUM VI	ND	0.01										

MS	Sample ID: 2106207-1			Units: MG/L			Analysis Date: 6/9/2021					
Client ID: 019A-A	Run ID: CR210609-2A1			Prep Date: 6/8/2021			DF: 1					
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
CHROMIUM VI	0.0985	0.01	0.1	0.01	99	85-115				20		

MSD	Sample ID: 2106207-1			Units: MG/L			Analysis Date: 6/9/2021					
Client ID: 019A-A	Run ID: CR210609-2A1			Prep Date: 6/8/2021			DF: 1					
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
CHROMIUM VI	0.0919	0.01	0.1	0.01	92	85-115		0.0985	7	20		

The following samples were analyzed in this batch:

2106207-1

Client: Ogris Operating, LLC
Work Order: 2106207
Project: Semi-Annual Analytical

QC BATCH REPORT

Batch ID: **IC210723-1-1** Instrument ID **IC3** Method: **EPA300.0**

LCS	Sample ID: IC210723-1				Units: MG/L		Analysis Date: 7/23/2021 09:54				
Client ID:	Run ID: IC210723-1A1				Prep Date: 7/23/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CHLORIDE	10.1	0.2	10		101	90-110				15	

LCSD	Sample ID: IC210723-1				Units: MG/L		Analysis Date: 7/23/2021 12:33				
Client ID:	Run ID: IC210723-1A1				Prep Date: 7/23/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CHLORIDE	10.1	0.2	10		101	90-110		10.1	0	15	

MB		Sample ID: IC210723-1			Units: MG/L		Analysis Date: 7/23/2021 10:07		
Client ID:		Run ID: IC210723-1A1			Prep Date: 7/23/2021		DF: 1		
Analyte		Result	ReportLimit						Qual
CHLORIDE		ND	0.2						

The following samples were analyzed in this batch:

2106207-1

CONTROLLED NON-CONFORMANCE REPORT

Non-Conformance

Initiated By: Lisa M. Champagne on 7/27/2021

Event Type: Hold Time Exceeded

Event Explanation: Due to instrument malfunction these samples were analyzed out of hold.

Action To

Prevent Recurrence: Not Applicable

Corrective Action

Corrective Action:

Department Manager Approval:

Approval Date:

Corrective Action Comments:

Workorders Affected

Workorder -- Procedure

Approved By

Approval Date

2106273 -- EPA300.0
2106275 -- EPA300.0
2106316 -- EPA300.0
2106390 -- EPA300.0
2106485 -- EPA300.0
2106487 -- EPA300.0
2106576 -- EPA300.0

No client contact information.

PENDING

Associated Batches

The samples were originally associated with the following Batch(es):

All rework was completed in the following Batch(es):

IC210720-1A2 created on 7/22/2021
IC210712-1A1 created on 7/12/2021
IC210719-1A2 created on 7/19/2021
IC210711-1A1 created on 7/11/2021
IC210709-1A1 created on 7/9/2021
IC210712-1A2 created on 7/12/2021
IC210720-1A1 created on 7/22/2021
IC210711-1A2 created on 7/11/2021
IC210709-1A2 created on 7/9/2021
IC210719-1A1 created on 7/19/2021

Not Applicable



Ft. Collins, Colorado

NCR #: 15308

CONTROLLED

NON-CONFORMANCE REPORT

NCR Approval

Project Manager Approval:

Department Manager Approval:

QA Manager Approval:



June 30, 2021

Service Request No:K2106829

Katie O'Brien
ALS Environmental - Fort Collins
225 Commerce Drive
Fort Collins, CO 80524

Laboratory Results for: Semi-Annual Analytical

Dear Katie,

Enclosed are the results of the sample(s) submitted to our laboratory June 12, 2021
For your reference, these analyses have been assigned our service request number **K2106829**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3364. You may also contact me via email at howard.holmes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Howard Holmes
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical
Sample Matrix: Water

Service Request: K2106829
Date Received: 06/12/2021

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

One water sample was received for analysis at ALS Environmental on 06/12/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

Method 200.8, 06/25/2021: The matrix spike recovery of Copper for the Batch QC sample was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicated the analytical batch was in control. The matrix spike outlier suggested a potential low bias in this matrix. No further corrective action was appropriate.

Approved by



Date

06/30/2021

SAMPLE DETECTION SUMMARY**CLIENT ID: 019A-A****Lab ID: K2106829-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
Copper, Dissolved	0.32		0.05	0.10	ug/L	200.8
Lead, Dissolved	0.033		0.006	0.020	ug/L	200.8
Nickel, Dissolved	0.37		0.04	0.20	ug/L	200.8
Arsenic	0.18	J	0.09	0.50	ug/L	200.8
Chromium	0.08	J	0.03	0.20	ug/L	200.8
Molybdenum	1.10		0.03	0.10	ug/L	200.8
Nickel	0.29		0.04	0.20	ug/L	200.8



Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207

Service Request:K2106829

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
K2106829-001	019A-A	6/8/2021	1214

Chain-of-Custody

K2106829

[illegible]

PM H14

Cooler Receipt and Preservation Form

Client Ans-FJ. Collins Service Request K2106829
 Received: 6/12/12 Opened: 6/12/12 By: BR Unloaded: 6/12/12 By: BR

1. Samples were received via? USPS Fed-Ex UPS DHL PDX Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Envelope Other NA
3. Were custody seals on coolers? NA Y N If yes, how many and where? Custody tape
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
 If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
 If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N
- If applicable, tissue samples were received: Frozen Partially Thawed Thawed

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID /NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
<u>NA</u>	<u>5.7</u>	<u>1201</u>				<u>506675135931</u>	

6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below NA Y N
13. Were VOA vials received without headspace? Indicate in the table below. NA Y N
14. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____



Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjllabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdwlabservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207

Service Request: K2106829

Sample Name: 019A-A
Lab Code: K2106829-001
Sample Matrix: Water

Date Collected: 06/8/21
Date Received: 06/12/21

Analysis Method
200.8

Extracted/Digested By
ABOYER

Analyzed By
EMCALLISTER



Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Sample Name: 019A-A
Lab Code: K2106829-001

Service Request: K2106829
Date Collected: 06/08/21 12:14
Date Received: 06/12/21 11:40

Basis: NA

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Copper	200.8	0.32	ug/L	0.10	0.05	1	06/25/21 16:08	06/18/21	
Lead	200.8	0.033	ug/L	0.020	0.006	1	06/25/21 16:08	06/18/21	
Nickel	200.8	0.37	ug/L	0.20	0.04	1	06/25/21 16:08	06/18/21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Sample Name: 019A-A
Lab Code: K2106829-001

Service Request: K2106829
Date Collected: 06/08/21 12:14
Date Received: 06/12/21 11:40

Basis: NA

Total Recoverable Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	0.18 J	ug/L	0.50	0.09	1	06/25/21 16:05	06/18/21	
Chromium	200.8	0.08 J	ug/L	0.20	0.03	1	06/25/21 16:05	06/18/21	
Molybdenum	200.8	1.10	ug/L	0.10	0.03	1	06/25/21 16:05	06/18/21	
Nickel	200.8	0.29	ug/L	0.20	0.04	1	06/25/21 16:05	06/18/21	



QC Summary Forms

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Metals

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www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: KQ2111182-01

Service Request: K2106829
Date Collected: NA
Date Received: NA

Basis: NA

Total Recoverable Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	ND U	ug/L	0.50	0.09	1	06/25/21 15:01	06/18/21	
Chromium	200.8	ND U	ug/L	0.20	0.03	1	06/25/21 15:01	06/18/21	
Copper	200.8	ND U	ug/L	0.10	0.05	1	06/25/21 15:01	06/18/21	
Lead	200.8	ND U	ug/L	0.020	0.006	1	06/25/21 15:01	06/18/21	
Molybdenum	200.8	ND U	ug/L	0.10	0.03	1	06/25/21 15:01	06/18/21	
Nickel	200.8	ND U	ug/L	0.20	0.04	1	06/25/21 15:01	06/18/21	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Service Request:K2106829
Date Collected:N/A
Date Received:N/A
Date Analyzed:6/25/21

Matrix Spike Summary
Total Recoverable Metals

Sample Name: Batch QC
Lab Code: K2106828-001

Units:ug/L
Basis:NA

Matrix Spike
KQ2111182-04

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Arsenic	200.8	0.45 J	37.5	50.0	74	70-130
Chromium	200.8	0.79	8.48	10.0	77	70-130
Copper	200.8	0.27	8.75	12.5	68 N	70-130
Lead	200.8	0.054	42.8	50.0	86	70-130
Molybdenum	200.8	0.68	27.3	25.0	106	70-130
Nickel	200.8	0.20	18.0	25.0	71	70-130

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Service Request:K2106829
Date Collected:N/A
Date Received:N/A
Date Analyzed:6/25/21

Matrix Spike Summary
Total Recoverable Metals

Sample Name: Batch QC
Lab Code: K2106937-001

Units:ug/L
Basis:NA

Matrix Spike
KQ2111182-06

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Arsenic	200.8	0.46 J	39.6	50.0	78	70-130
Chromium	200.8	1.32	9.57	10.0	83	70-130
Copper	200.8	0.18	9.64	12.5	76	70-130
Lead	200.8	0.064	44.7	50.0	89	70-130
Molybdenum	200.8	0.66	28.3	25.0	111	70-130
Nickel	200.8	0.25	19.9	25.0	79	70-130

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Fort Collins
Project Semi-Annual Analytical/2106207
Sample Matrix: Water

Service Request: K2106829**Date Collected:** NA**Date Received:** NA**Date Analyzed:** 06/25/21**Replicate Sample Summary****Total Recoverable Metals**

Sample Name: Batch QC
Lab Code: K2106828-001

Units: ug/L**Basis:** NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample KQ2111182-03	Average	RPD	RPD Limit
					Result			
Arsenic	200.8	0.50	0.09	0.45 J	0.48 J	0.47	6	20
Chromium	200.8	0.20	0.03	0.79	0.77	0.78	3	20
Copper	200.8	0.10	0.05	0.27	0.25	0.26	8	20
Lead	200.8	0.020	0.006	0.054	0.050	0.052	8	20
Molybdenum	200.8	0.10	0.03	0.68	0.68	0.68	<1	20
Nickel	200.8	0.20	0.04	0.20	0.20	0.20	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Fort Collins
Project Semi-Annual Analytical/2106207
Sample Matrix: Water

Service Request: K2106829**Date Collected:** NA**Date Received:** NA**Date Analyzed:** 06/25/21**Replicate Sample Summary****Total Recoverable Metals**

Sample Name: Batch QC
Lab Code: K2106937-001

Units: ug/L**Basis:** NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample KQ2111182-05	Average	RPD	RPD Limit
					Result			
Arsenic	200.8	0.50	0.09	0.46 J	0.46 J	0.46	<1	20
Chromium	200.8	0.20	0.03	1.32	1.35	1.34	2	20
Copper	200.8	0.10	0.05	0.18	0.16	0.17	12	20
Lead	200.8	0.020	0.006	0.064	0.028	0.046	78 #	20
Molybdenum	200.8	0.10	0.03	0.66	0.67	0.67	2	20
Nickel	200.8	0.20	0.04	0.25	0.24	0.25	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Service Request: K2106829
Date Analyzed: 06/25/21

Lab Control Sample Summary
Total Recoverable Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2111182-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic	200.8	48.4	50.0	97	85-115
Chromium	200.8	9.56	10.0	96	85-115
Molybdenum	200.8	25.7	25.0	103	85-115

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Fort Collins
Project: Semi-Annual Analytical/2106207
Sample Matrix: Water

Service Request: K2106829
Date Analyzed: 06/25/21

Lab Control Sample Summary
Total Recoverable Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2111182-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Copper	200.8	12.2	12.5	98	85-115
Lead	200.8	50.8	50.0	102	85-115
Nickel	200.8	24.7	25.0	99	85-115



20-Jun-2021

Katie O'Brien
ALS Environmental
225 Commerce Dr
Ft. Collins, CO 80524

Re: **2106207**

Work Order: **21061356**

Dear Katie,

ALS Environmental received 1 sample on 12-Jun-2021 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 11.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink that reads "Ehrland Bosworth".

Electronically approved by: Ehrland Bosworth

Ehrland Bosworth
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: ALS Environmental
Project: 2106207
Work Order: 21061356

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
21061356-01	019A-A	Water		6/8/2021 12:14	6/12/2021 10:00	<input type="checkbox"/>

Client: ALS Environmental
Project: 2106207
WorkOrder: 21061356

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
°C	Degrees Celcius
µmhos/cm	Micromhos per Centimeter
mg/L	Milligrams per Liter
s.u.	Standard Units

Client: ALS Environmental
Project: 2106207
Work Order: 21061356

Case Narrative

Samples for the above noted Work Order were received on 06/12/2021. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:

Batch R320106, Method A4500-H B-11, Sample 019A-A (21061356-01A): This is considered a "field test" and, as such, the recommended sample holding time expired prior to sample receipt.

No other deviations or anomalies were noted.

ALS Group USA, Corp

Date: 20-Jun-21

CLIENT: ALS Environmental
Project: 2106207

Work Order: 21061356

Lab ID: 21061356-01A
Client Sample ID: 019A-A

Collection Date: 6/8/2021 12:14:00 PM
Matrix: WATER

Analyses	Result	Report Limit	MDL	Qual	Units	Dilution Factor	Date Analyzed
PH (LABORATORY)		A4500-H B-11					Analyst: QTN
pH (laboratory)	8.63	0.10	0.10	H	s.u.	1	6/18/2021 11:07 AM
Temperature	8.80	0.10	0.10	H	°C	1	6/18/2021 11:07 AM
SPECIFIC CONDUCTANCE @ 25°C		A2510 B-11					Analyst: QTN
Specific Conductance	1,500	5.0	0.97		µmhos/cm	1	6/15/2021 12:54 PM

Lab ID: 21061356-01B
Client Sample ID: 019A-A

Collection Date: 6/8/2021 12:14:00 PM
Matrix: WATER

Analyses	Result	Report Limit	MDL	Qual	Units	Dilution Factor	Date Analyzed
HYDROGEN SULFIDE, DISSOLVED		A4500-S2 H					Analyst: RZM
Hydrogen Sulfide, Dissolved	U	0.020	0		mg/L	1	6/15/2021 04:30 PM

Qualifiers: U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

AR Page 1 of 1

Client: ALS Environmental
 Work Order: 21061356
 Project: 2106207

QC BATCH REPORT

Batch ID: **R319791** Instrument ID **WETCHEM** Method: **A2510 B-11**

MBLK		Sample ID: MB-R319791-R319791				Units: µmhos/cm			Analysis Date: 6/15/2021 12:54 PM		
Client ID:		Run ID: WETCHEM_210615A				SeqNo: 7488037			Prep Date:		DF: 1
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	U	0.97	5.0								

DUP		Sample ID: 21060835-15B DUP				Units: µmhos/cm			Analysis Date: 6/15/2021 12:54 PM		
Client ID:		Run ID: WETCHEM_210615A				SeqNo: 7488043			Prep Date:		DF: 1
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	673	0.97	5.0	0	0	0	0-0	688	2.2	5	

DUP		Sample ID: 21061090-05B DUP				Units: µmhos/cm			Analysis Date: 6/15/2021 12:54 PM		
Client ID:		Run ID: WETCHEM_210615A				SeqNo: 7488051			Prep Date:		DF: 1
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	1692	0.97	5.0	0	0	0	0-0	1692	0	5	

LCS1		Sample ID: LCS1-R319791				Units: µmhos/cm			Analysis Date: 6/15/2021 12:54 PM		
Client ID:		Run ID: WETCHEM_210615A				SeqNo: 7488038			Prep Date:		DF: 1
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	15.3	0.97	5.0	14.9	0	103	92-110	0			

LCS2		Sample ID: LCS2-R319791				Units: µmhos/cm			Analysis Date: 6/15/2021 12:54 PM		
Client ID:		Run ID: WETCHEM_210615A				SeqNo: 7488056			Prep Date:		DF: 1
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	601	0.97	5.0	592	0	102	87-112	0			

The following samples were analyzed in this batch:

21061356-01A

Client: ALS Environmental
Work Order: 21061356
Project: 2106207

QC BATCH REPORT

Batch ID: **R319876** Instrument ID **WETCHEM** Method: **A4500-S2 H (Dissolve)**

MBLK		Sample ID: MB-R319876-R319876				Units: mg/L		Analysis Date: 6/15/2021 04:30 PM			
Client ID:		Run ID: WETCHEM_210615T		SeqNo: 7494782		Prep Date:		DF: 1			
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Hydrogen Sulfide, Dissolved	U	0	0.020								

The following samples were analyzed in this batch:

21061356-01B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 21061356
Project: 2106207

QC BATCH REPORT

Batch ID: **R320106** Instrument ID **WETCHEM** Method: **A4500-H B-11**

LCS		Sample ID: LCS-R320106-R320106				Units: s.u.		Analysis Date: 6/18/2021 11:07 AM			
Client ID:		Run ID: WETCHEM_210618C				SeqNo: 7500501		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH (laboratory)	4.01	0.1	0.10	4	0	100	92-108	0			

LCS		Sample ID: LCS-R320106-R320106				Units: s.u.		Analysis Date: 6/18/2021 11:07 AM			
Client ID:		Run ID: WETCHEM_210618C				SeqNo: 7500505		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH (laboratory)	4.01	0.1	0.10	4	0	100	92-108	0			

DUP		Sample ID: 21061355-01A DUP				Units: s.u.		Analysis Date: 6/18/2021 11:07 AM			
Client ID:		Run ID: WETCHEM_210618C				SeqNo: 7500503		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH (laboratory)	8.02	0.1	0.10	0	0	0	0-0	8	0.25	5	H
Temperature	8.5	0.1	0.10	0	0	0	0-0	8.5	0		H

The following samples were analyzed in this batch:

21061356-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524

TF: (800) 443-1511 w PH: (970) 490-1511 w FX: (970) 490-1522

Chain-of-Custody

LAB ID

21061356

PAGE

1 of 1

PROJECT NAME

Semi-Annual Analytical

E-MAIL

kathleen.obien@alsglobal.com

TURNAROUND

DATE

6/10/2021

1 week

DISPOSAL

By Lab or Return to Client

PROJECT No.

PHONE

REPORT TO

Katie O'Brien

FAX

COMPANY

ALS Laboratory Group

ADDRESS

225 Commerce Drive, Fort Collins, Colorado 80524

Lab ID

Field ID

Matrix

Sample Date

Sample Time

Btls

QC

SM 4500-S-H,
Calculation of

x

019A-A

Water

06/8/21

12:14

2

SM 4500-S-H, Calculation of Un-ionized Hydrogen Sulfide

COMMENTS

ALS FC SDG 2106207

SIGNATURE

PRINTED NAME

DATE

TIME

COMPANY

Relinquished By

Received By

Relinquished By

Received By

Diane F Shaw

6/12/21

1000

ALS

23 of 24

121 u.2⁻ pH₂S

EB

Sample Receipt Checklist

Client Name: **ALS - FORT COLLINS**

Date/Time Received: **12-Jun-21 10:00**

Work Order: **21061356**

Received by: **DS**

Checklist completed by Diane Shaw 15-Jun-21
eSignature Date

Reviewed by: Ehland Bramworth 15-Jun-21
eSignature Date

Matrices: **Water**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.2/4.2 c</u>		<u>IR1</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>6/15/2021 8:04:53 AM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: