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www.greenanalytical.com

09 February 2023

Jake Harter
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: COGCC Table 915-1

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 12:15. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-23-16

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-22-15



jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

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PO Box 1653
Durango CO, 81302

Project: COGCC Table 915-1
Project Name / Number: Bert Eaton (OWP) #1 and Savage Unknown (OWP) #1
Project Manager: Jake Harter
Reported: 02/09/23 16:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
BG01	2301186-01	Solid	01/26/23 11:20	01/27/23 12:15	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Project Manager: Jake Harter

Reported:
02/09/23 16:06

BG01

2301186-01 (soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.128	mg/kg dry	25	02/07/23 12:00	3060A/3500-Cr B		AES
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Saturated Paste Extraction

Calcium	93.7	0.100	0.058	mg/L	1	02/08/23 17:14	EPA200.7		AES
Conductivity	589			umho/cm/@25 C	1	02/08/23 09:00	ASA#9 10-3.3		KRW
Magnesium	16.1	0.100	0.065	mg/L	1	02/08/23 17:14	EPA200.7		AES
pH	7.69			pH Units	1	02/08/23 09:00	ASA#9 10-3.2		KRW
SAR	0.12			No Unit	1	02/08/23 17:14	Calculation		AES
Sodium	4.71	1.00	0.079	mg/L	1	02/08/23 17:14	EPA200.7		AES

Total Metals by ICP

Barium	160	5.00	1.10	mg/kg dry	100	02/07/23 15:19	6010B		AES
Cadmium	<5.00	5.00	2.54	mg/kg dry	100	02/07/23 15:19	6010B		AES
Chromium	14.4	5.00	1.58	mg/kg dry	100	02/07/23 15:19	6010B		AES
Copper	13.2	5.00	2.83	mg/kg dry	100	02/07/23 15:19	6010B		AES
Lead	12.9	10.0	4.02	mg/kg dry	100	02/07/23 15:19	6010B		AES
Nickel	11.8	5.00	2.41	mg/kg dry	100	02/07/23 15:19	6010B		AES
Selenium	<20.0	20.0	5.39	mg/kg dry	100	02/07/23 15:19	6010B		AES
Silver	<1.00	1.00	0.518	mg/kg dry	100	02/07/23 15:19	6010B		AES
Zinc	53.3	10.0	2.18	mg/kg dry	100	02/07/23 15:19	6010B		AES

Total Metals by ICPMS

Arsenic	7.26	0.100	0.0158	mg/kg dry	100	02/08/23 12:57	6020A		AES
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Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	02/08/23 17:40	EPA200.7		AES
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Reported:
02/09/23 16:06

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B230246 - General Prep - Wet Chem

Blank (B230246-BLK1) Prepared: 02/02/23 Analyzed: 02/07/23

Hexavalent Chromium	ND	0.250	mg/kg dry							
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LCS (B230246-BS1) Prepared: 02/02/23 Analyzed: 02/07/23

Hexavalent Chromium	2.15	0.250	mg/kg dry	2.50		86.1	85-115			
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Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B230274 - Paste Extract

Blank (B230274-BLK1) Prepared: 02/07/23 Analyzed: 02/08/23

Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							

Reference (B230274-SRM1) Prepared: 02/07/23 Analyzed: 02/08/23

SAR	2.71		No Unit	2.93		92.4	90-110			
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Batch B230275 - Paste Extract

Reference (B230275-SRM1) Prepared: 02/07/23 Analyzed: 02/08/23

pH	6.90		pH Units	7.08		97.5	92-108			
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Batch B230276 - Paste Extract

Reference (B230276-SRM1) Prepared: 02/07/23 Analyzed: 02/08/23

Conductivity	3940		umho/cm@25C	4000		98.5	90-110			
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Reported:
02/09/23 16:06

Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B230235 - EPA 3050

Blank (B230235-BLK1)

Prepared: 02/01/23 Analyzed: 02/07/23

Barium	ND	5.00	mg/kg dry
Cadmium	ND	5.00	mg/kg dry
Chromium	ND	5.00	mg/kg dry
Copper	ND	5.00	mg/kg dry
Lead	ND	10.0	mg/kg dry
Nickel	ND	5.00	mg/kg dry
Selenium	ND	20.0	mg/kg dry
Silver	ND	1.00	mg/kg dry
Zinc	ND	10.0	mg/kg dry

LCS (B230235-BS1)

Prepared: 02/01/23 Analyzed: 02/07/23

Barium	188	5.00	mg/kg dry	200	94.1	80-120
Cadmium	176	5.00	mg/kg dry	200	88.1	80-120
Chromium	191	5.00	mg/kg dry	200	95.7	80-120
Copper	395	5.00	mg/kg dry	400	98.8	80-120
Lead	179	10.0	mg/kg dry	200	89.3	80-120
Nickel	181	5.00	mg/kg dry	200	90.4	80-120
Selenium	797	20.0	mg/kg dry	800	99.7	80-120
Silver	9.33	1.00	mg/kg dry	10.0	93.3	80-120
Zinc	168	10.0	mg/kg dry	200	84.0	80-120

LCS Dup (B230235-BSD1)

Prepared: 02/01/23 Analyzed: 02/07/23

Barium	186	5.00	mg/kg dry	200	92.9	80-120	1.27	20
Cadmium	174	5.00	mg/kg dry	200	86.9	80-120	1.36	20
Chromium	188	5.00	mg/kg dry	200	94.1	80-120	1.68	20
Copper	389	5.00	mg/kg dry	400	97.2	80-120	1.63	20
Lead	176	10.0	mg/kg dry	200	88.2	80-120	1.29	20
Nickel	178	5.00	mg/kg dry	200	89.1	80-120	1.47	20
Selenium	783	20.0	mg/kg dry	800	97.8	80-120	1.87	20
Silver	9.30	1.00	mg/kg dry	10.0	93.0	80-120	0.279	20
Zinc	165	10.0	mg/kg dry	200	82.6	80-120	1.72	20

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Project Manager: Jake Harter

Reported:
02/09/23 16:06

Total Metals by ICPMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B230237 - EPA 3050M

Blank (B230237-BLK1)

Prepared: 02/01/23 Analyzed: 02/08/23

Arsenic	ND	0.100	mg/kg dry							
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LCS (B230237-BS1)

Prepared: 02/01/23 Analyzed: 02/08/23

Arsenic	5.13	0.100	mg/kg dry	5.00		103	80-120			
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LCS Dup (B230237-BSD1)

Prepared: 02/01/23 Analyzed: 02/08/23

Arsenic	5.11	0.100	mg/kg dry	5.00		102	80-120	0.444	20	
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Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B230281 - Hot Water Soluble Metals Extract

Blank (B230281-BLK1)

Prepared & Analyzed: 02/08/23

Boron	ND	1.20	mg/L							
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Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220 service@greenanalytical.com or dzufell@greenanalytical.com
Fax: (970) 247-4227 75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting

Project Manager: Jacob Harter

Address: PO Box 1653

City: Durango

Phone #: (970) 946-3761

Additional Report To:

Project Name: Bert Eaton (owp) #1 and Savage Unknown (owp) #1

Project Number: Peace 7 Well Plugging Project

Sampler Name (Print): Jacob Harter

FOR LAB USE ONLY

Bill to (if different):

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax or Email:

ANALYSIS REQUEST

Lab I.D.

Sample Name or Location

2301-186

01

B901

Date

Time

1/26/23

1120

Collected

Matrix (check one)

of containers

GROUNDWATER
SURFACEWATER
WASTEWATER
PRODUCEDWATER

SOIL
OTHER :

No preservation (general)

HNO₃

HCl

H₂SO₄

Other:

Other:

Other:

X

COGCL Table 915 less hydrocarbons

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 1/27/23

Received By:

Time: 1215

ADDITIONAL REMARKS:

Report to State? (Circle)

Relinquished By:

Date:

Received By:

Time:

ADDITIONAL REMARKS:

Report to State? (Circle)

Relinquished By:

Date:

Received By:

Time:

ADDITIONAL REMARKS:

Report to State? (Circle)

Delivered By: (Circle One)

Date:

Received By:

Time:

ADDITIONAL REMARKS:

Report to State? (Circle)

Sampler: UPS - FedEx - Kangaroo - Other:

Date:

Received By:

Time:

ADDITIONAL REMARKS:

Report to State? (Circle)

Temperature at receipt:

CHECKED BY:

2.70C laser #2

MPN

on ice

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.



SAMPLE CONDITION RECEIPT FORM

2301-184

-185

-186

-187

Client Name: Cottonwood Consulting

Work Order #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ ClientCustody Seals on Box/Cooler Present: ☐ Yes ☒ NoSeals Intact: ☐ Yes ☐ NoThermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ NoneCooler Temp: Observed Temp: 2.7 °C Correction Factor: 0 °C Final Temp: 2.7 °C

*Temp should be above freezing to 6°C

Date/Initials of person
examining contents: MRN 1/27/2Labeled by Initials: _____
(if different than above)

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11.
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC: -Includes Date/Time/ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Matrix: WT (S) QT		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____