



**Inter-Mountain Labs**  
Sheridan, WY and Gillette, WY

<b>- CHAIN OF CUSTODY RECORD -</b>	Page <u>1</u> of <u>1</u>
All shaded fields must be completed. This is a legal document: any misrepresentation may be construed as fraud.	# <b>164710</b>

Client Name <b>Cameco Resource S</b>	Project Identification <b>MU-4 Stability Monitoring</b>	Sampler (Signature/Attestation of Authenticity) <b>Gwen Trammell</b>	Telephone # <b>307-358-6541 X468</b>																														
Report Address <b>P.O. Box 1210 Glenrock, WY 82637</b>	Contact Name <b>Larry Wilbanks</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="10">ANALYSES / PARAMETERS</th> </tr> <tr> <td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center; vertical-align: middle; font-size: large;">Sulfate</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>		ANALYSES / PARAMETERS																				Sulfate									
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Sulfate																																	
Invoice Address <b>Same</b>	Phone <b>307-358-6541 X427</b>	*Not Filtered *No Preservatives																															
	Purchase Order # <b>4500513220</b>	Quote #																															

ITEM	LAB ID <small>(Lab Use Only)</small>	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	ANALYSES / PARAMETERS										REMARKS			
1	S1609116-001	9-7-16	10:10	B-012	WT	1	X													
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
7.1 <sup>00</sup>	<i>Gwen Trammell</i>	9-7-16	10:45	<i>Ken Harvath</i>	9-7-16	10:54
	<i>Ken Harvath</i>	9-7-16	17:01	<i>Quide Joraller</i>	9-8-16	13:28

SHIPPING INFO	MATRIX CODES	TURNAROUND TIMES	COMPLIANCE INFORMATION	ADDITIONAL REMARKS
<input type="checkbox"/> UPS <input type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input type="checkbox"/> Hand Carried <input checked="" type="checkbox"/> Other _____	Water <b>WT</b> Soil SL Solid SD Filter FT Other OT	<input checked="" type="checkbox"/> Check desired service <input checked="" type="checkbox"/> Standard turnaround <input type="checkbox"/> RUSH - 5 Working Days <input type="checkbox"/> URGENT - < 2 Working Days <i>Rush &amp; Urgent Surcharges will be applied</i>	Compliance Monitoring? <b>Y/N</b> Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? <b>Y/N</b> Sample Disposal: Lab <b>Client</b>	



**Date:** 9/16/2016

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**CLIENT:** Power Resources (Cameco)  
**Project:** MU-1 Stability Monitoring  
**Lab Order:** S1609116

**CASE NARRATIVE**  
**Report ID:** S1609116001

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Sample B-012 was received on September 8, 2016.

All samples were received and analyzed within the EPA recommended holding times, except those noted below in this case narrative. Samples were analyzed using the methods outlined in the following references:

"Standard Methods For The Examination of Water and Wastewater", approved method versions  
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition  
40 CFR Parts 136 and 141  
40 CFR Part 50, Appendices B, J, L, and O  
Methods indicated in the Methods Update Rule published in the Federal Register Friday, May 18, 2012  
ASTM approved and recognized standards

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

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Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



### Sample Analysis Report

**CLIENT:** Power Resources (Cameco)  
PO Box 1210  
Glenrock, WY 82637

**Date Reported:** 9/16/2016  
**Report ID:** S1609116001

**Project:** MU-1 Stability Monitoring  
**Lab ID:** S1609116-001  
**Client Sample ID:** B-012

**Work Order:** S1609116  
**Collection Date:** 9/7/2016 10:10:00 AM  
**Date Received:** 9/8/2016 1:28:00 PM  
**Sampler:** GT  
**Matrix:** Water  
**COC:** 164710

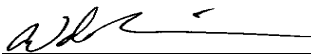
Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Anions</b>						
Sulfate	113	1		mg/L	09/09/2016 1523 AB	EPA 300.0

**These results apply only to the samples tested.**

**RL - Reporting Limit**

- Qualifiers:**
- B Analyte detected in the associated Method Blank
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL or is less than LCL
  - O Outside the Range of Dilutions
  - X Matrix Effect

- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by another laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by:   
Wade Nieuwsma, Assistant Laboratory Manager



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** Power Resources (Cameco)  
**Work Order:** S1609116  
**Project:** MU-1 Stability Monitoring

**Date:** 9/16/2016  
**Report ID:** S1609116001

**Anions by ION Chromatography**

Sample Type **MBLK**

Units: mg/L

BLK (09/09/16 08:44)	RunNo: 138532							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Sulfate	ND	1						

**Anions by ION Chromatography**

Sample Type **LCS**

Units: mg/L

DIONEX (09/09/16 08:57)	RunNo: 138532							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Sulfate	145	1	150		96.9	90 - 110		

**Anions by ION Chromatography**

Sample Type **MS**

Units: mg/L

S1609119-002ASPK (09/09/16 16:15)	RunNo: 138532							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Sulfate	1190	1	1090	20	107	80 - 120		

**Anions by ION Chromatography**

Sample Type **MSD**

Units: mg/L

S1609119-002ASPKD (09/09/16 16:28)	RunNo: 138532							
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual	
Sulfate	1190	1	1190	0.187	108	20		

**Anions by ION Chromatography**

Sample Type **DUP**

Units: mg/L

S1609119-002AD (09/09/16 16:02)	RunNo: 138532							
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual	
Sulfate	20	1	20	1.04		20		

- Qualifiers:**
- B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by another laboratory
  - O Outside the Range of Dilutions
  - S Spike Recovery outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - ND Not Detected at the Reporting Limit
  - R RPD outside accepted recovery limits
  - X Matrix Effect