Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

155225

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Cameco Resources	MUB	Kathy Amos	307 358 6541

Report Address	Contact Name
PO Box 1210 Glenrock WY 82637	Larry Wilbanks
	Email: larry_wilbanks@cameco.com
	Phone: 307 358 6541 x427

Invoice Address:

Purchase Order #:

Quote #:

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	New Guideline 8							Cooler Temp °C	REMARKS Filtered/preserved in field
1	S1412078	12/2/14	849	BMP-011	WT	7								3.8	
2	002		806	BMP-012										3.8	
3	003		918	BMP-013										3.8	
4	004		952	BMP-014										3.4	
5	005		1031	BMP-015										3.4	
6	006		1107	BMP-016										3.4	
7	007		9:10	BMP-018										2.6	
8	008		8:17	BMP-019										2.6	
9	009	12/3/14	12:15	BMP-020										5.6	
10	010	12/2/14	1225	BMP-021										4.8	
11	011		1:00	BMP-022										4.3	
12	012	12/3/14	12:56	BMP-023										5.6	
13	013	12-2-14	10:58	BMP-024										4.8	
14	014		10:30	BMP-025										4.8	

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
7 coolers	Kathy Amos / Kathy Amos	12/3/14	200	Ken Garoutte / Ken Garoutte	12/3/14	1450
	Ken Garoutte / Ken Garoutte	12/3/14	1706	[signature]	12-4-14	11:27

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

Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

155227

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Cameco Resources	MU B	Kathy Ames	307 358 6541

Report Address	Contact Name	Email	Phone
PO Box 1210 Glenrock Wy 82637	Larry Wilbanks	Larry-Wilbanks@cameco.com	307 358 6541 X427

Invoice Address	Purchase Order #	Quote #
Same		

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	New Guideline 8	Cooler Temp °C	REMARKS
1	S1412078 015	12/2/14	10:00	BMP-026	WT	7		2.6	Filtered/preserved in field
2	016	12/3/14	1:41	BMP-027				4.3	
3	017	↓	11:40	BMP-028				5.6	
4	018	12/2/14	1:53	BMP-029				3.8	
5	019		12:23	BMP-030				3.8	
6	020	↓	1:18	BMP-031	↓	↓	↓	3.8	
7									
8									
9									
10									
11									
12									
13									
14									

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
7 coolers	Kathy Ames Kathy Ames	12/3/14	200	Ken Carbutte Ken Carbutte	12/3/14	1450
	Ken Carbutte Ken Carbutte	12/3/14	1706		12-4-14	11:27

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

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Date: 1/5/2015

CLIENT: Power Resources (Cameco)
Project: MUB
Lab Order: S1412078

CASE NARRATIVE

Report ID: S1412078001

Samples BMP-011, BMP-012, BMP-013, BMP-014, BMP-015, BMP-016, BMP-018, BMP-019, BMP-020, BMP-021, BMP-022, BMP-023, BMP-024, BMP-025, BMP-026, BMP-027, BMP-028, BMP-029, BMP-030, and BMP-031 were received on December 4, 2014.

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.

Qualifiers by sample

Radium 226 in Water - Dissolved/Radium 226 (Dissolved) - RPD outside accepted recovery limits
S1412078-008 - Dissolved Metals by ICP - EPA 200.7 - Water/Iron - Spike Recovery outside accepted recovery limits
S1412078-015 - Dissolved Metals by ICP - EPA 200.7 - Water/Iron - Spike Recovery outside accepted recovery limits
S1412078-015 - Dissolved Metals by ICP - EPA 200.7 - Water/Manganese - Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-001
ClientSample ID: BMP-011
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 8:49:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	232	mg/L		5	SM 2320B	12/08/2014 1153	BT
Alkalinity, Bicarbonate as HCO3	283	mg/L		5	SM 2320B	12/08/2014 1153	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1153	BT
Chloride	6	mg/L		1	EPA 300.0	12/09/2014 2325	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1153	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1204	AMB
Sulfate	63	mg/L		1	EPA 300.0	12/09/2014 2325	AB
Calcium	60	mg/L		1	EPA 200.7	12/08/2014 1455	DG
Magnesium	13	mg/L		1	EPA 200.7	12/08/2014 1455	DG
Potassium	7	mg/L		1	EPA 200.7	12/08/2014 1455	DG
Sodium	47	mg/L		1	EPA 200.7	12/08/2014 1455	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1019	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	12/08/2014 1455	DG
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	12/08/2014 1153	BT
Electrical Conductivity	634	µmhos/cm		5	SM 2510B	12/08/2014 1153	BT
Total Dissolved Solids (180)	380	mg/L		10	SM 2540	12/08/2014 1549	IR
Data Quality							
Cation Sum	6.28	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	6.13	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	1.21	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	350	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.09	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-001
ClientSample ID: BMP-011
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 8:49:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1455	DG
Arsenic	0.001	mg/L		0.001	EPA 200.8	12/05/2014 840	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 840	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1455	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1455	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 840	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1455	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 840	MS
Iron	0.55	mg/L		0.05	EPA 200.7	12/08/2014 1455	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 840	MS
Manganese	0.14	mg/L		0.01	EPA 200.7	12/08/2014 1455	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1150	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 840	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1455	DG
Selenium	0.034	mg/L		0.001	EPA 200.8	12/05/2014 840	MS
Uranium	1.25	mg/L		0.0003	EPA 200.8	12/05/2014 840	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 840	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1455	DG
Metals - Total							
Iron	0.63	mg/L		0.05	EPA 200.7	12/09/2014 1550	DG
Manganese	0.14	mg/L		0.01	EPA 200.7	12/09/2014 1550	DG
Radionuclides - Dissolved							
Gross Alpha	725	pCi/L		3	SM 7110B	12/15/2014 2022	MB
Gross Alpha Precision (±)	12.6	pCi/L			SM 7110B	12/15/2014 2022	MB
Gross Beta	262	pCi/L		3	SM 7110B	12/15/2014 2022	MB
Gross Beta Precision (±)	5.3	pCi/L			SM 7110B	12/15/2014 2022	MB
Radium 226	178	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1243	MB
Radium 226 Precision (±)	1.6	pCi/L			SM 7500 Ra-B	12/29/2014 1243	MB
Radium 228	3.4	pCi/L		1	Ga-Tech	12/19/2014 531	MB
Radium 228 Precision (±)	1.4	pCi/L			Ga-Tech	12/19/2014 531	MB

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-002
ClientSample ID: BMP-012
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 8:06:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	235	mg/L		5	SM 2320B	12/08/2014 1208	BT
Alkalinity, Bicarbonate as HCO3	286	mg/L		5	SM 2320B	12/08/2014 1208	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1208	BT
Chloride	9	mg/L		1	EPA 300.0	12/09/2014 2341	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	12/08/2014 1208	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1205	AMB
Sulfate	67	mg/L		1	EPA 300.0	12/09/2014 2341	AB
Calcium	68	mg/L		1	EPA 200.7	12/08/2014 1504	DG
Magnesium	15	mg/L		1	EPA 200.7	12/08/2014 1504	DG
Potassium	6	mg/L		1	EPA 200.7	12/08/2014 1504	DG
Sodium	35	mg/L		1	EPA 200.7	12/08/2014 1504	DG
Nitrogen, Ammonia (As N)	0.8	mg/L		0.1	EPA 350.1	12/09/2014 1020	AMB
Silica as SiO2	12	mg/L		1	EPA 200.7	12/08/2014 1504	DG
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	12/08/2014 1208	BT
Electrical Conductivity	637	µmhos/cm		5	SM 2510B	12/08/2014 1208	BT
Total Dissolved Solids (180)	380	mg/L		10	SM 2540	12/08/2014 1550	IR
Data Quality							
Cation Sum	6.29	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	6.33	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.29	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	350	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.09	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-002
ClientSample ID: BMP-012
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 8:06:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1504	DG
Arsenic	0.079	mg/L		0.001	EPA 200.8	12/05/2014 846	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 846	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1504	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1504	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 846	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1504	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 846	MS
Iron	3.14	mg/L		0.05	EPA 200.7	12/08/2014 1504	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 846	MS
Manganese	0.36	mg/L		0.01	EPA 200.7	12/08/2014 1504	DG
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 846	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1504	DG
Selenium	0.028	mg/L		0.001	EPA 200.8	12/05/2014 846	MS
Uranium	4.40	mg/L		0.0003	EPA 200.8	12/05/2014 846	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 846	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1504	DG
Metals - Total							
Iron	3.39	mg/L		0.05	EPA 200.7	12/09/2014 1554	DG
Manganese	0.37	mg/L		0.01	EPA 200.7	12/09/2014 1554	DG
Radionuclides - Dissolved							
Gross Alpha	2460	pCi/L		2	SM 7110B	12/14/2014 1051	MB
Gross Alpha Precision (±)	23.8	pCi/L			SM 7110B	12/14/2014 1051	MB
Gross Beta	848	pCi/L		3	SM 7110B	12/14/2014 1051	MB
Gross Beta Precision (±)	10.0	pCi/L			SM 7110B	12/14/2014 1051	MB
Radium 226	398	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1243	MB
Radium 226 Precision (±)	2.4	pCi/L			SM 7500 Ra-B	12/29/2014 1243	MB
Radium 228	2.1	pCi/L		1	Ga-Tech	12/19/2014 832	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	12/19/2014 832	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-003
ClientSample ID: BMP-013
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 9:18:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	233	mg/L		5	SM 2320B	12/08/2014 1220	BT
Alkalinity, Bicarbonate as HCO3	284	mg/L		5	SM 2320B	12/08/2014 1220	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1220	BT
Chloride	17	mg/L		1	EPA 300.0	12/09/2014 2358	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1220	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1500	AMB
Sulfate	69	mg/L		1	EPA 300.0	12/09/2014 2358	AB
Calcium	65	mg/L		1	EPA 200.7	12/08/2014 1507	DG
Magnesium	15	mg/L		1	EPA 200.7	12/08/2014 1507	DG
Potassium	6	mg/L		1	EPA 200.7	12/08/2014 1507	DG
Sodium	45	mg/L		1	EPA 200.7	12/08/2014 1507	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1021	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	12/08/2014 1507	DG
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	12/08/2014 1220	BT
Electrical Conductivity	667	µmhos/cm		5	SM 2510B	12/08/2014 1220	BT
Total Dissolved Solids (180)	380	mg/L		10	SM 2540	12/08/2014 1551	IR
Data Quality							
Cation Sum	6.56	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	6.57	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.13	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-003
ClientSample ID: BMP-013
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 9:18:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1507	DG
Arsenic	0.015	mg/L		0.001	EPA 200.8	12/05/2014 851	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 851	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1507	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1507	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 851	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1507	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 851	MS
Iron	1.10	mg/L		0.05	EPA 200.7	12/08/2014 1507	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 851	MS
Manganese	0.30	mg/L		0.01	EPA 200.7	12/08/2014 1507	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1203	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 851	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1507	DG
Selenium	0.004	mg/L		0.001	EPA 200.8	12/05/2014 851	MS
Uranium	2.39	mg/L		0.0003	EPA 200.8	12/05/2014 851	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 851	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1507	DG
Metals - Total							
Iron	1.50	mg/L		0.05	EPA 200.7	12/09/2014 1601	DG
Manganese	0.32	mg/L		0.01	EPA 200.7	12/09/2014 1601	DG
Radionuclides - Dissolved							
Gross Alpha	1670	pCi/L		2	SM 7110B	12/14/2014 1051	MB
Gross Alpha Precision (±)	20.3	pCi/L			SM 7110B	12/14/2014 1051	MB
Gross Beta	588	pCi/L		3	SM 7110B	12/14/2014 1051	MB
Gross Beta Precision (±)	8.3	pCi/L			SM 7110B	12/14/2014 1051	MB
Radium 226	306	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1243	MB
Radium 226 Precision (±)	2.1	pCi/L			SM 7500 Ra-B	12/29/2014 1243	MB
Radium 228	3.3	pCi/L		1	Ga-Tech	12/19/2014 1132	MB
Radium 228 Precision (±)	1.4	pCi/L			Ga-Tech	12/19/2014 1132	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-004
ClientSample ID: BMP-014
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 9:52:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	316	mg/L		5	SM 2320B	12/08/2014 1231	BT
Alkalinity, Bicarbonate as HCO3	385	mg/L		5	SM 2320B	12/08/2014 1231	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1231	BT
Chloride	23	mg/L		1	EPA 300.0	12/10/2014 014	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1231	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1511	AMB
Sulfate	90	mg/L		1	EPA 300.0	12/10/2014 014	AB
Calcium	90	mg/L		1	EPA 200.7	12/08/2014 1509	DG
Magnesium	20	mg/L		1	EPA 200.7	12/08/2014 1509	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1509	DG
Sodium	54	mg/L		1	EPA 200.7	12/08/2014 1509	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1028	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	12/08/2014 1509	DG
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	12/08/2014 1231	BT
Electrical Conductivity	846	µmhos/cm		5	SM 2510B	12/08/2014 1231	BT
Total Dissolved Solids (180)	510	mg/L		10	SM 2540	12/08/2014 1552	IR
Data Quality							
Cation Sum	8.73	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	8.82	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.51	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	490	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-004
ClientSample ID: BMP-014
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 9:52:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1509	DG
Arsenic	0.059	mg/L		0.001	EPA 200.8	12/05/2014 907	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 907	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1509	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1509	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 907	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1509	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 907	MS
Iron	2.32	mg/L		0.05	EPA 200.7	12/08/2014 1509	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 907	MS
Manganese	0.30	mg/L		0.01	EPA 200.7	12/08/2014 1509	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1205	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 907	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1509	DG
Selenium	0.024	mg/L		0.001	EPA 200.8	12/05/2014 907	MS
Uranium	7.87	mg/L		0.0003	EPA 200.8	12/05/2014 907	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 907	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1509	DG
Metals - Total							
Iron	3.00	mg/L		0.05	EPA 200.7	12/09/2014 1603	DG
Manganese	0.31	mg/L		0.01	EPA 200.7	12/09/2014 1603	DG
Radionuclides - Dissolved							
Gross Alpha	4170	pCi/L		2	SM 7110B	12/14/2014 1051	MB
Gross Alpha Precision (±)	34.1	pCi/L			SM 7110B	12/14/2014 1051	MB
Gross Beta	1110	pCi/L		3	SM 7110B	12/14/2014 1051	MB
Gross Beta Precision (±)	11.4	pCi/L			SM 7110B	12/14/2014 1051	MB
Radium 226	468	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	2.6	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	ND	pCi/L		1	Ga-Tech	12/19/2014 1433	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	12/19/2014 1433	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-005
ClientSample ID: BMP-015
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:31:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	300	mg/L		5	SM 2320B	12/08/2014 1245	BT
Alkalinity, Bicarbonate as HCO3	366	mg/L		5	SM 2320B	12/08/2014 1245	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1245	BT
Chloride	15	mg/L		1	EPA 300.0	12/10/2014 031	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1245	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1512	AMB
Sulfate	75	mg/L		1	EPA 300.0	12/10/2014 031	AB
Calcium	87	mg/L		1	EPA 200.7	12/08/2014 1511	DG
Magnesium	18	mg/L		1	EPA 200.7	12/08/2014 1511	DG
Potassium	6	mg/L		1	EPA 200.7	12/08/2014 1511	DG
Sodium	45	mg/L		1	EPA 200.7	12/08/2014 1511	DG
Nitrogen, Ammonia (As N)	0.8	mg/L		0.1	EPA 350.1	12/09/2014 1029	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	12/08/2014 1511	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	12/08/2014 1245	BT
Electrical Conductivity	725	µmhos/cm		5	SM 2510B	12/08/2014 1245	BT
Total Dissolved Solids (180)	460	mg/L		10	SM 2540	12/08/2014 1553	IR
Data Quality							
Cation Sum	7.92	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	7.98	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.38	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	440	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-005
ClientSample ID: BMP-015
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:31:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1511	DG
Arsenic	0.036	mg/L		0.001	EPA 200.8	12/05/2014 913	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 913	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1511	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1511	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 913	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1511	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 913	MS
Iron	3.60	mg/L		0.05	EPA 200.7	12/08/2014 1511	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 913	MS
Manganese	0.39	mg/L		0.01	EPA 200.7	12/08/2014 1511	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1207	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 913	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1511	DG
Selenium	0.029	mg/L		0.001	EPA 200.8	12/05/2014 913	MS
Uranium	2.73	mg/L		0.0003	EPA 200.8	12/05/2014 913	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 913	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1511	DG
Metals - Total							
Iron	3.70	mg/L		0.05	EPA 200.7	12/09/2014 1605	DG
Manganese	0.39	mg/L		0.01	EPA 200.7	12/09/2014 1605	DG
Radionuclides - Dissolved							
Gross Alpha	2450	pCi/L		2	SM 7110B	12/14/2014 1051	MB
Gross Alpha Precision (±)	25.2	pCi/L			SM 7110B	12/14/2014 1051	MB
Gross Beta	970	pCi/L		3	SM 7110B	12/14/2014 1051	MB
Gross Beta Precision (±)	10.7	pCi/L			SM 7110B	12/14/2014 1051	MB
Radium 226	420	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	10.3	pCi/L		1	Ga-Tech	12/19/2014 1734	MB
Radium 228 Precision (±)	1.7	pCi/L			Ga-Tech	12/19/2014 1734	MB

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-006
ClientSample ID: BMP-016
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 11:07:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	278	mg/L		5	SM 2320B	12/08/2014 1257	BT
Alkalinity, Bicarbonate as HCO3	340	mg/L		5	SM 2320B	12/08/2014 1257	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1257	BT
Chloride	7	mg/L		1	EPA 300.0	12/10/2014 048	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1257	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1514	AMB
Sulfate	41	mg/L		1	EPA 300.0	12/10/2014 048	AB
Calcium	62	mg/L		1	EPA 200.7	12/08/2014 1513	DG
Magnesium	15	mg/L		1	EPA 200.7	12/08/2014 1513	DG
Potassium	5	mg/L		1	EPA 200.7	12/08/2014 1513	DG
Sodium	51	mg/L		1	EPA 200.7	12/08/2014 1513	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1030	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	12/08/2014 1513	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	12/08/2014 1257	BT
Electrical Conductivity	645	µmhos/cm		5	SM 2510B	12/08/2014 1257	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	12/08/2014 1554	IR
Data Quality							
Cation Sum	6.65	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	6.61	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.31	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-006
ClientSample ID: BMP-016
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 11:07:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1513	DG
Arsenic	0.032	mg/L		0.001	EPA 200.8	12/05/2014 933	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 933	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1513	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1513	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 933	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1513	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 933	MS
Iron	2.57	mg/L		0.05	EPA 200.7	12/08/2014 1513	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 933	MS
Manganese	0.44	mg/L		0.01	EPA 200.7	12/08/2014 1513	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1209	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 933	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1513	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	12/05/2014 933	MS
Uranium	3.13	mg/L		0.0003	EPA 200.8	12/05/2014 933	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 933	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1513	DG
Metals - Total							
Iron	2.64	mg/L		0.05	EPA 200.7	12/09/2014 1607	DG
Manganese	0.44	mg/L		0.01	EPA 200.7	12/09/2014 1607	DG
Radionuclides - Dissolved							
Gross Alpha	2040	pCi/L		2	SM 7110B	12/14/2014 1051	MB
Gross Alpha Precision (±)	22.1	pCi/L			SM 7110B	12/14/2014 1051	MB
Gross Beta	680	pCi/L		3	SM 7110B	12/14/2014 1051	MB
Gross Beta Precision (±)	9.1	pCi/L			SM 7110B	12/14/2014 1051	MB
Radium 226	321	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	2.2	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	1.8	pCi/L		1	Ga-Tech	12/19/2014 2035	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	12/19/2014 2035	MB

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-007
ClientSample ID: BMP-018
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 9:10:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	256	mg/L		5	SM 2320B	12/08/2014 1308	BT
Alkalinity, Bicarbonate as HCO3	312	mg/L		5	SM 2320B	12/08/2014 1308	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1308	BT
Chloride	18	mg/L		1	EPA 300.0	12/10/2014 227	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1308	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1515	AMB
Sulfate	179	mg/L		1	EPA 300.0	12/10/2014 227	AB
Calcium	92	mg/L		1	EPA 200.7	12/08/2014 1515	DG
Magnesium	23	mg/L		1	EPA 200.7	12/08/2014 1515	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1515	DG
Sodium	70	mg/L		1	EPA 200.7	12/08/2014 1515	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1031	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	12/08/2014 1515	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	12/08/2014 1308	BT
Electrical Conductivity	954	µmhos/cm		5	SM 2510B	12/08/2014 1308	BT
Total Dissolved Solids (180)	610	mg/L		10	SM 2540	12/08/2014 1555	IR
Data Quality							
Cation Sum	9.77	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	9.36	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	2.13	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	560	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.09	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-007
ClientSample ID: BMP-018
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 9:10:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1515	DG
Arsenic	0.006	mg/L		0.001	EPA 200.8	12/05/2014 939	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 939	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1515	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1515	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 939	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1515	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 939	MS
Iron	1.32	mg/L		0.05	EPA 200.7	12/08/2014 1515	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 939	MS
Manganese	0.21	mg/L		0.01	EPA 200.7	12/08/2014 1515	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1211	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 939	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1515	DG
Selenium	ND	mg/L		0.001	EPA 200.8	12/05/2014 939	MS
Uranium	0.894	mg/L		0.0003	EPA 200.8	12/05/2014 939	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 939	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1515	DG
Metals - Total							
Iron	1.62	mg/L		0.05	EPA 200.7	12/09/2014 1616	DG
Manganese	0.20	mg/L		0.01	EPA 200.7	12/09/2014 1616	DG
Radionuclides - Dissolved							
Gross Alpha	786	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	14.1	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	283	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	5.4	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	323	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	2.2	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	ND	pCi/L		1	Ga-Tech	12/19/2014 2336	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	12/19/2014 2336	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-008
ClientSample ID: BMP-019
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 8:17:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	240	mg/L		5	SM 2320B	12/08/2014 1320	BT
Alkalinity, Bicarbonate as HCO3	292	mg/L		5	SM 2320B	12/08/2014 1320	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1320	BT
Chloride	24	mg/L		1	EPA 300.0	12/10/2014 244	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1320	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1517	AMB
Sulfate	62	mg/L		1	EPA 300.0	12/10/2014 244	AB
Calcium	69	mg/L		1	EPA 200.7	12/08/2014 1520	DG
Magnesium	17	mg/L		1	EPA 200.7	12/08/2014 1520	DG
Potassium	7	mg/L		1	EPA 200.7	12/08/2014 1520	DG
Sodium	39	mg/L		1	EPA 200.7	12/08/2014 1520	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1032	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	12/08/2014 1520	DG
General Parameters							
pH	7.6	s.u.		0.1	SM 4500 H B	12/08/2014 1320	BT
Electrical Conductivity	685	µmhos/cm		5	SM 2510B	12/08/2014 1320	BT
Total Dissolved Solids (180)	410	mg/L		10	SM 2540	12/08/2014 1556	IR
Data Quality							
Cation Sum	6.70	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	6.74	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.25	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	380	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-008
ClientSample ID: BMP-019
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 8:17:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1520	DG
Arsenic	0.018	mg/L		0.001	EPA 200.8	12/05/2014 944	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 944	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1520	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1520	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 944	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1520	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 944	MS
Iron	7.11	mg/L		0.05	EPA 200.7	12/08/2014 1520	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 944	MS
Manganese	0.32	mg/L		0.01	EPA 200.7	12/08/2014 1520	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1213	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 944	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1520	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	12/05/2014 944	MS
Uranium	0.768	mg/L		0.0003	EPA 200.8	12/05/2014 944	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 944	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1520	DG
Metals - Total							
Iron	9.66	mg/L		0.05	EPA 200.7	12/09/2014 1618	DG
Manganese	0.32	mg/L		0.01	EPA 200.7	12/09/2014 1618	DG
Radionuclides - Dissolved							
Gross Alpha	955	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	14.5	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	269	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	5.4	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	260	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	1.9	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	3.8	pCi/L		1	Ga-Tech	12/20/2014 237	MB
Radium 228 Precision (±)	1.4	pCi/L			Ga-Tech	12/20/2014 237	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-009
ClientSample ID: BMP-020
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/3/2014 12:15:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	137	mg/L		5	SM 2320B	12/08/2014 1332	BT
Alkalinity, Bicarbonate as HCO3	168	mg/L		5	SM 2320B	12/08/2014 1332	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1332	BT
Chloride	5	mg/L		1	EPA 300.0	12/10/2014 301	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	12/08/2014 1332	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1518	AMB
Sulfate	135	mg/L		1	EPA 300.0	12/10/2014 301	AB
Calcium	34	mg/L		1	EPA 200.7	12/09/2014 1505	DG
Magnesium	6	mg/L		1	EPA 200.7	12/09/2014 1505	DG
Potassium	4	mg/L		1	EPA 200.7	12/09/2014 1505	DG
Sodium	91	mg/L		1	EPA 200.7	12/09/2014 1505	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1033	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	12/09/2014 1505	DG
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	12/08/2014 1332	BT
Electrical Conductivity	636	µmhos/cm		5	SM 2510B	12/08/2014 1332	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	12/08/2014 1557	IR
Data Quality							
Cation Sum	6.20	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	5.72	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	4.09	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-009
ClientSample ID: BMP-020
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/3/2014 12:15:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/09/2014 1505	DG
Arsenic	0.011	mg/L		0.001	EPA 200.8	12/08/2014 1359	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/08/2014 1359	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/09/2014 1505	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/09/2014 1505	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/08/2014 1359	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/09/2014 1505	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/08/2014 1359	MS
Iron	0.31	mg/L		0.05	EPA 200.7	12/09/2014 1505	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/08/2014 1359	MS
Manganese	0.44	mg/L		0.01	EPA 200.7	12/09/2014 1505	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/12/2014 923	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/08/2014 1359	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/09/2014 1505	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	12/08/2014 1359	MS
Uranium	0.744	mg/L		0.0003	EPA 200.8	12/08/2014 1359	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/08/2014 1359	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/09/2014 1505	DG
Metals - Total							
Iron	0.65	mg/L		0.05	EPA 200.7	12/09/2014 1621	DG
Manganese	0.44	mg/L		0.01	EPA 200.7	12/09/2014 1621	DG
Radionuclides - Dissolved							
Gross Alpha	817	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	13.0	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	296	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	5.7	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	188	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	1.6	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	ND	pCi/L		1	Ga-Tech	12/20/2014 538	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	12/20/2014 538	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-010
ClientSample ID: BMP-021
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 12:25:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	316	mg/L		5	SM 2320B	12/08/2014 1415	BT
Alkalinity, Bicarbonate as HCO3	385	mg/L		5	SM 2320B	12/08/2014 1415	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1415	BT
Chloride	23	mg/L		1	EPA 300.0	12/10/2014 317	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1415	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1520	AMB
Sulfate	102	mg/L		1	EPA 300.0	12/10/2014 317	AB
Calcium	84	mg/L		1	EPA 200.7	12/09/2014 1507	DG
Magnesium	15	mg/L		1	EPA 200.7	12/09/2014 1507	DG
Potassium	8	mg/L		1	EPA 200.7	12/09/2014 1507	DG
Sodium	88	mg/L		1	EPA 200.7	12/09/2014 1507	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1034	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	12/09/2014 1507	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	12/08/2014 1415	BT
Electrical Conductivity	891	µmhos/cm		5	SM 2510B	12/08/2014 1415	BT
Total Dissolved Solids (180)	550	mg/L		10	SM 2540	12/08/2014 1558	IR
Data Quality							
Cation Sum	9.52	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	9.09	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	2.32	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	530	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-010
ClientSample ID: BMP-021
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 12:25:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/09/2014 1507	DG
Arsenic	0.147	mg/L		0.001	EPA 200.8	12/08/2014 1420	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/08/2014 1420	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/09/2014 1507	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/09/2014 1507	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/08/2014 1420	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/09/2014 1507	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/08/2014 1420	MS
Iron	1.82	mg/L		0.05	EPA 200.7	12/09/2014 1507	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/08/2014 1420	MS
Manganese	0.50	mg/L		0.01	EPA 200.7	12/09/2014 1507	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/12/2014 925	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/08/2014 1420	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/09/2014 1507	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	12/08/2014 1420	MS
Uranium	2.10	mg/L		0.0003	EPA 200.8	12/08/2014 1420	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/08/2014 1420	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/09/2014 1507	DG
Metals - Total							
Iron	1.95	mg/L		0.05	EPA 200.7	12/09/2014 1623	DG
Manganese	0.50	mg/L		0.01	EPA 200.7	12/09/2014 1623	DG
Radionuclides - Dissolved							
Gross Alpha	1840	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	21.2	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	707	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	8.6	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	640	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	3.1	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	2.3	pCi/L		1	Ga-Tech	12/20/2014 838	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	12/20/2014 838	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-011
ClientSample ID: BMP-022
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 1:00:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	350	mg/L		5	SM 2320B	12/08/2014 1446	BT
Alkalinity, Bicarbonate as HCO3	427	mg/L		5	SM 2320B	12/08/2014 1446	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1446	BT
Chloride	17	mg/L		1	EPA 300.0	12/10/2014 334	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1446	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1521	AMB
Sulfate	27	mg/L		1	EPA 300.0	12/10/2014 334	AB
Calcium	97	mg/L		1	EPA 200.7	12/09/2014 1510	DG
Magnesium	23	mg/L		1	EPA 200.7	12/09/2014 1510	DG
Potassium	7	mg/L		1	EPA 200.7	12/09/2014 1510	DG
Sodium	29	mg/L		1	EPA 200.7	12/09/2014 1510	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1035	AMB
Silica as SiO2	19	mg/L		1	EPA 200.7	12/09/2014 1510	DG
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	12/08/2014 1446	BT
Electrical Conductivity	770	µmhos/cm		5	SM 2510B	12/08/2014 1446	BT
Total Dissolved Solids (180)	460	mg/L		10	SM 2540	12/08/2014 1600	IR
Data Quality							
Cation Sum	8.21	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	8.05	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.98	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	430	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-011
ClientSample ID: BMP-022
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 1:00:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/09/2014 1510	DG
Arsenic	0.204	mg/L		0.001	EPA 200.8	12/08/2014 1437	MS
Barium	0.1	mg/L		0.1	EPA 200.8	12/08/2014 1437	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/09/2014 1510	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/09/2014 1510	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/08/2014 1437	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/09/2014 1510	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/08/2014 1437	MS
Iron	10.6	mg/L		0.05	EPA 200.7	12/09/2014 1510	DG
Lead	0.03	mg/L		0.01	EPA 200.8	12/08/2014 1437	MS
Manganese	0.62	mg/L		0.01	EPA 200.7	12/09/2014 1510	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/12/2014 927	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/08/2014 1437	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/09/2014 1510	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	12/08/2014 1437	MS
Uranium	0.881	mg/L		0.0003	EPA 200.8	12/08/2014 1437	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/08/2014 1437	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/09/2014 1510	DG
Metals - Total							
Iron	11.2	mg/L		0.05	EPA 200.7	12/09/2014 1625	DG
Manganese	0.62	mg/L		0.01	EPA 200.7	12/09/2014 1625	DG
Radionuclides - Dissolved							
Gross Alpha	1470	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	18.8	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	473	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	7.2	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	732	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1244	MB
Radium 226 Precision (±)	3.2	pCi/L			SM 7500 Ra-B	12/29/2014 1244	MB
Radium 228	1.6	pCi/L		1	Ga-Tech	12/20/2014 1139	MB
Radium 228 Precision (±)	1.9	pCi/L			Ga-Tech	12/20/2014 1139	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-012
ClientSample ID: BMP-023
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/3/2014 12:56:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	355	mg/L		5	SM 2320B	12/08/2014 1503	BT
Alkalinity, Bicarbonate as HCO3	434	mg/L		5	SM 2320B	12/08/2014 1503	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1503	BT
Chloride	12	mg/L		1	EPA 300.0	12/10/2014 350	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1503	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1523	AMB
Sulfate	57	mg/L		1	EPA 300.0	12/10/2014 350	AB
Calcium	100	mg/L		1	EPA 200.7	12/08/2014 1540	DG
Magnesium	22	mg/L		1	EPA 200.7	12/08/2014 1540	DG
Potassium	7	mg/L		1	EPA 200.7	12/08/2014 1540	DG
Sodium	31	mg/L		1	EPA 200.7	12/08/2014 1540	DG
Nitrogen, Ammonia (As N)	0.6	mg/L		0.1	EPA 350.1	12/09/2014 1036	AMB
Silica as SiO2	18	mg/L		1	EPA 200.7	12/08/2014 1540	DG
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	12/08/2014 1503	BT
Electrical Conductivity	797	µmhos/cm		5	SM 2510B	12/08/2014 1503	BT
Total Dissolved Solids (180)	480	mg/L		10	SM 2540	12/08/2014 1601	IR
Data Quality							
Cation Sum	8.34	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	8.64	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	1.79	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	460	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-012
ClientSample ID: BMP-023
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/3/2014 12:56:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1540	DG
Arsenic	0.129	mg/L		0.001	EPA 200.8	12/05/2014 950	MS
Barium	0.1	mg/L		0.1	EPA 200.8	12/05/2014 950	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1540	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1540	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 950	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1540	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 950	MS
Iron	9.49	mg/L		0.05	EPA 200.7	12/08/2014 1540	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 950	MS
Manganese	0.76	mg/L		0.01	EPA 200.7	12/08/2014 1540	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1229	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 950	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1540	DG
Selenium	0.021	mg/L		0.001	EPA 200.8	12/05/2014 950	MS
Uranium	1.57	mg/L		0.0003	EPA 200.8	12/05/2014 950	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 950	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1540	DG
Metals - Total							
Iron	9.74	mg/L		0.05	EPA 200.7	12/09/2014 1629	DG
Manganese	0.77	mg/L		0.01	EPA 200.7	12/09/2014 1629	DG
Radionuclides - Dissolved							
Gross Alpha	2210	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	24.5	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	816	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	9.8	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	627	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	3.0	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	6.7	pCi/L		1	Ga-Tech	12/20/2014 1440	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	12/20/2014 1440	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-013
ClientSample ID: BMP-024
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:58:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	435	mg/L		5	SM 2320B	12/08/2014 1518	BT
Alkalinity, Bicarbonate as HCO3	530	mg/L		5	SM 2320B	12/08/2014 1518	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1518	BT
Chloride	20	mg/L		1	EPA 300.0	12/10/2014 407	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1518	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1524	AMB
Sulfate	24	mg/L		1	EPA 300.0	12/10/2014 407	AB
Calcium	135	mg/L		1	EPA 200.7	12/08/2014 1542	DG
Magnesium	20	mg/L		1	EPA 200.7	12/08/2014 1542	DG
Potassium	6	mg/L		1	EPA 200.7	12/08/2014 1542	DG
Sodium	19	mg/L		1	EPA 200.7	12/08/2014 1542	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	12/09/2014 1037	AMB
Silica as SiO2	20	mg/L		1	EPA 200.7	12/08/2014 1542	DG
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	12/08/2014 1518	BT
Electrical Conductivity	904	µmhos/cm		5	SM 2510B	12/08/2014 1518	BT
Total Dissolved Solids (180)	530	mg/L		10	SM 2540	12/08/2014 1602	IR
Data Quality							
Cation Sum	9.37	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	9.76	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	2.03	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	510	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-013
ClientSample ID: BMP-024
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:58:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1542	DG
Arsenic	0.035	mg/L		0.001	EPA 200.8	12/05/2014 955	MS
Barium	0.3	mg/L		0.1	EPA 200.8	12/05/2014 955	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1542	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1542	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 955	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1542	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 955	MS
Iron	9.77	mg/L		0.05	EPA 200.7	12/08/2014 1542	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 955	MS
Manganese	1.46	mg/L		0.01	EPA 200.7	12/08/2014 1542	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1236	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 955	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1542	DG
Selenium	0.005	mg/L		0.001	EPA 200.8	12/05/2014 955	MS
Uranium	1.07	mg/L		0.0003	EPA 200.8	12/05/2014 955	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 955	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1542	DG
Metals - Total							
Iron	10.2	mg/L		0.05	EPA 200.7	12/09/2014 1636	DG
Manganese	1.52	mg/L		0.01	EPA 200.7	12/09/2014 1636	DG
Radionuclides - Dissolved							
Gross Alpha	1250	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	19.2	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	409	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	7.1	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	387	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	2.3	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	1.9	pCi/L		1	Ga-Tech	12/20/2014 1741	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	12/20/2014 1741	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-014
ClientSample ID: BMP-025
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:30:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	176	mg/L		5	SM 2320B	12/08/2014 1534	BT
Alkalinity, Bicarbonate as HCO3	214	mg/L		5	SM 2320B	12/08/2014 1534	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1534	BT
Chloride	12	mg/L		1	EPA 300.0	12/10/2014 424	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1534	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1535	AMB
Sulfate	163	mg/L		1	EPA 300.0	12/10/2014 424	AB
Calcium	86	mg/L		1	EPA 200.7	12/08/2014 1544	DG
Magnesium	17	mg/L		1	EPA 200.7	12/08/2014 1544	DG
Potassium	7	mg/L		1	EPA 200.7	12/08/2014 1544	DG
Sodium	32	mg/L		1	EPA 200.7	12/08/2014 1544	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1044	AMB
Silica as SiO2	12	mg/L		1	EPA 200.7	12/08/2014 1544	DG
General Parameters							
pH	7.8	s.u.		0.1	SM 4500 H B	12/08/2014 1534	BT
Electrical Conductivity	725	µmhos/cm		5	SM 2510B	12/08/2014 1534	BT
Total Dissolved Solids (180)	490	mg/L		10	SM 2540	12/08/2014 1603	IR
Data Quality							
Cation Sum	7.29	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	7.25	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.27	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	440	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.11	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-014
ClientSample ID: BMP-025
COC: 155225

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:30:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1544	DG
Arsenic	0.006	mg/L		0.001	EPA 200.8	12/05/2014 1011	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1011	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1544	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1544	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1011	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1544	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1011	MS
Iron	3.55	mg/L		0.05	EPA 200.7	12/08/2014 1544	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1011	MS
Manganese	0.35	mg/L		0.01	EPA 200.7	12/08/2014 1544	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1238	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1011	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1544	DG
Selenium	0.003	mg/L		0.001	EPA 200.8	12/05/2014 1011	MS
Uranium	0.229	mg/L		0.0003	EPA 200.8	12/05/2014 1011	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1011	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1544	DG
Metals - Total							
Iron	3.84	mg/L		0.05	EPA 200.7	12/09/2014 1645	DG
Manganese	0.35	mg/L		0.01	EPA 200.7	12/09/2014 1645	DG
Radionuclides - Dissolved							
Gross Alpha	582	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	11.8	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	304	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	6.1	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	280	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	2.0	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	2.9	pCi/L		1	Ga-Tech	12/20/2014 2042	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	12/20/2014 2042	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-015
ClientSample ID: BMP-026
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:00:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	293	mg/L		5	SM 2320B	12/08/2014 1550	BT
Alkalinity, Bicarbonate as HCO3	358	mg/L		5	SM 2320B	12/08/2014 1550	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1550	BT
Chloride	2	mg/L		1	EPA 300.0	12/10/2014 440	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1550	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1536	AMB
Sulfate	3	mg/L		1	EPA 300.0	12/10/2014 440	AB
Calcium	72	mg/L		1	EPA 200.7	12/08/2014 1549	DG
Magnesium	16	mg/L		1	EPA 200.7	12/08/2014 1549	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1549	DG
Sodium	12	mg/L		1	EPA 200.7	12/08/2014 1549	DG
Nitrogen, Ammonia (As N)	2.0	mg/L		0.1	EPA 350.1	12/09/2014 1045	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	12/08/2014 1549	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	12/08/2014 1550	BT
Electrical Conductivity	550	µmhos/cm		5	SM 2510B	12/08/2014 1550	BT
Total Dissolved Solids (180)	300	mg/L		10	SM 2540	12/08/2014 1604	IR
Data Quality							
Cation Sum	5.79	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	5.99	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	1.68	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	300	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-015
ClientSample ID: BMP-026
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 10:00:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1549	DG
Arsenic	0.069	mg/L		0.001	EPA 200.8	12/05/2014 1017	MS
Barium	0.1	mg/L		0.1	EPA 200.8	12/05/2014 1017	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1549	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1549	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1017	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1549	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1017	MS
Iron	13.5	mg/L		0.05	EPA 200.7	12/08/2014 1549	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1017	MS
Manganese	1.11	mg/L		0.01	EPA 200.7	12/08/2014 1549	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1240	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1017	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1549	DG
Selenium	0.005	mg/L		0.001	EPA 200.8	12/05/2014 1017	MS
Uranium	0.254	mg/L		0.0003	EPA 200.8	12/05/2014 1017	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1017	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1549	DG
Metals - Total							
Iron	15.7	mg/L		0.05	EPA 200.7	12/09/2014 1647	DG
Manganese	1.16	mg/L		0.01	EPA 200.7	12/09/2014 1647	DG
Radionuclides - Dissolved							
Gross Alpha	2360	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	22.8	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	1190	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	11.8	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	569	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	2.9	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	16.4	pCi/L		1	Ga-Tech	12/20/2014 2343	MB
Radium 228 Precision (±)	1.9	pCi/L			Ga-Tech	12/20/2014 2343	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-016
ClientSample ID: BMP-027
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/3/2014 1:41:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	419	mg/L		5	SM 2320B	12/08/2014 1606	BT
Alkalinity, Bicarbonate as HCO3	512	mg/L		5	SM 2320B	12/08/2014 1606	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1606	BT
Chloride	6	mg/L		1	EPA 300.0	12/10/2014 457	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	12/08/2014 1606	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1538	AMB
Sulfate	32	mg/L		1	EPA 300.0	12/10/2014 457	AB
Calcium	116	mg/L		1	EPA 200.7	12/08/2014 1602	DG
Magnesium	24	mg/L		1	EPA 200.7	12/08/2014 1602	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1602	DG
Sodium	24	mg/L		1	EPA 200.7	12/08/2014 1602	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1046	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	12/08/2014 1602	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	12/08/2014 1606	BT
Electrical Conductivity	822	µmhos/cm		5	SM 2510B	12/08/2014 1606	BT
Total Dissolved Solids (180)	490	mg/L		10	SM 2540	12/08/2014 1605	IR
Data Quality							
Cation Sum	8.99	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	9.22	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	1.29	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	470	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-016
ClientSample ID: BMP-027
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/3/2014 1:41:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1602	DG
Arsenic	0.005	mg/L		0.001	EPA 200.8	12/05/2014 1022	MS
Barium	0.1	mg/L		0.1	EPA 200.8	12/05/2014 1022	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1602	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1602	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1022	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1602	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1022	MS
Iron	0.72	mg/L		0.05	EPA 200.7	12/08/2014 1602	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1022	MS
Manganese	0.47	mg/L		0.01	EPA 200.7	12/08/2014 1602	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1242	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1022	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1602	DG
Selenium	0.004	mg/L		0.001	EPA 200.8	12/05/2014 1022	MS
Uranium	5.11	mg/L		0.0003	EPA 200.8	12/05/2014 1022	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1022	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1602	DG
Metals - Total							
Iron	1.84	mg/L		0.05	EPA 200.7	12/09/2014 1650	DG
Manganese	0.48	mg/L		0.01	EPA 200.7	12/09/2014 1650	DG
Radionuclides - Dissolved							
Gross Alpha	3690	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	32.3	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	962	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	10.7	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	700	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	3.2	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	10.9	pCi/L		1	Ga-Tech	12/21/2014 244	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	12/21/2014 244	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-017
ClientSample ID: BMP-028
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/3/2014 11:40:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	252	mg/L		5	SM 2320B	12/08/2014 1621	BT
Alkalinity, Bicarbonate as HCO3	308	mg/L		5	SM 2320B	12/08/2014 1621	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1621	BT
Chloride	7	mg/L		1	EPA 300.0	12/10/2014 653	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	12/08/2014 1621	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1539	AMB
Sulfate	89	mg/L		1	EPA 300.0	12/10/2014 653	AB
Calcium	71	mg/L		1	EPA 200.7	12/08/2014 1604	DG
Magnesium	18	mg/L		1	EPA 200.7	12/08/2014 1604	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1604	DG
Sodium	51	mg/L		1	EPA 200.7	12/08/2014 1604	DG
Nitrogen, Ammonia (As N)	0.5	mg/L		0.1	EPA 350.1	12/09/2014 1047	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	12/08/2014 1604	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	12/08/2014 1621	BT
Electrical Conductivity	693	µmhos/cm		5	SM 2510B	12/08/2014 1621	BT
Total Dissolved Solids (180)	440	mg/L		10	SM 2540	12/08/2014 1606	IR
Data Quality							
Cation Sum	7.49	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	7.09	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	2.76	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	410	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	01/05/2015 1041	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-017
ClientSample ID: BMP-028
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/3/2014 11:40:00 AM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1604	DG
Arsenic	0.012	mg/L		0.001	EPA 200.8	12/05/2014 1027	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1027	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1604	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1604	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1027	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1604	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1027	MS
Iron	1.82	mg/L		0.05	EPA 200.7	12/08/2014 1604	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1027	MS
Manganese	0.28	mg/L		0.01	EPA 200.7	12/08/2014 1604	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1244	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1027	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1604	DG
Selenium	0.013	mg/L		0.001	EPA 200.8	12/05/2014 1027	MS
Uranium	1.23	mg/L		0.0003	EPA 200.8	12/05/2014 1027	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1027	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1604	DG
Metals - Total							
Iron	2.16	mg/L		0.05	EPA 200.7	12/09/2014 1652	DG
Manganese	0.28	mg/L		0.01	EPA 200.7	12/09/2014 1652	DG
Radionuclides - Dissolved							
Gross Alpha	923	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	15.5	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	372	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	6.7	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	264	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	1.9	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	2.3	pCi/L		1	Ga-Tech	12/21/2014 545	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	12/21/2014 545	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-018
ClientSample ID: BMP-029
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 1:53:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	340	mg/L		5	SM 2320B	12/08/2014 1639	BT
Alkalinity, Bicarbonate as HCO3	415	mg/L		5	SM 2320B	12/08/2014 1639	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1639	BT
Chloride	10	mg/L		1	EPA 300.0	12/10/2014 710	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1639	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1541	AMB
Sulfate	39	mg/L		1	EPA 300.0	12/10/2014 710	AB
Calcium	89	mg/L		1	EPA 200.7	12/08/2014 1606	DG
Magnesium	20	mg/L		1	EPA 200.7	12/08/2014 1606	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1606	DG
Sodium	47	mg/L		1	EPA 200.7	12/08/2014 1606	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	12/09/2014 1048	AMB
Silica as SiO2	18	mg/L		1	EPA 200.7	12/08/2014 1606	DG
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	12/08/2014 1639	BT
Electrical Conductivity	727	µmhos/cm		5	SM 2510B	12/08/2014 1639	BT
Total Dissolved Solids (180)	440	mg/L		10	SM 2540	12/08/2014 1607	IR
Data Quality							
Cation Sum	8.34	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	7.88	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	2.79	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	430	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.02	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-018
ClientSample ID: BMP-029
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 1:53:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1606	DG
Arsenic	0.018	mg/L		0.001	EPA 200.8	12/05/2014 1043	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1043	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1606	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1606	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1043	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1606	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1043	MS
Iron	1.53	mg/L		0.05	EPA 200.7	12/08/2014 1606	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1043	MS
Manganese	0.32	mg/L		0.01	EPA 200.7	12/08/2014 1606	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1246	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1043	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1606	DG
Selenium	0.026	mg/L		0.001	EPA 200.8	12/05/2014 1043	MS
Uranium	3.89	mg/L		0.0003	EPA 200.8	12/05/2014 1043	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1043	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1606	DG
Metals - Total							
Iron	1.52	mg/L		0.05	EPA 200.7	12/09/2014 1654	DG
Manganese	0.32	mg/L		0.01	EPA 200.7	12/09/2014 1654	DG
Radionuclides - Dissolved							
Gross Alpha	2210	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	24.3	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	572	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	8.3	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	233	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	1.8	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	1.6	pCi/L		1	Ga-Tech	12/21/2014 846	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	12/21/2014 846	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-019
ClientSample ID: BMP-030
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 12:23:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	343	mg/L		5	SM 2320B	12/08/2014 1655	BT
Alkalinity, Bicarbonate as HCO3	418	mg/L		5	SM 2320B	12/08/2014 1655	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1655	BT
Chloride	13	mg/L		1	EPA 300.0	12/10/2014 726	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1655	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1542	AMB
Sulfate	52	mg/L		1	EPA 300.0	12/10/2014 726	AB
Calcium	84	mg/L		1	EPA 200.7	12/08/2014 1609	DG
Magnesium	19	mg/L		1	EPA 200.7	12/08/2014 1609	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1609	DG
Sodium	42	mg/L		1	EPA 200.7	12/08/2014 1609	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1049	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	12/08/2014 1609	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	12/08/2014 1655	BT
Electrical Conductivity	768	µmhos/cm		5	SM 2510B	12/08/2014 1655	BT
Total Dissolved Solids (180)	460	mg/L		10	SM 2540	12/08/2014 1608	IR
Data Quality							
Cation Sum	7.79	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	8.31	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	3.23	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	440	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-019
ClientSample ID: BMP-030
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 12:23:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1609	DG
Arsenic	0.009	mg/L		0.001	EPA 200.8	12/05/2014 1115	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1115	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1609	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1609	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1115	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1609	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1115	MS
Iron	4.62	mg/L		0.05	EPA 200.7	12/08/2014 1609	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1115	MS
Manganese	0.31	mg/L		0.01	EPA 200.7	12/08/2014 1609	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1248	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1115	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1609	DG
Selenium	0.131	mg/L		0.001	EPA 200.8	12/05/2014 1115	MS
Uranium	2.63	mg/L		0.0003	EPA 200.8	12/05/2014 1115	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1115	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1609	DG
Metals - Total							
Iron	5.03	mg/L		0.05	EPA 200.7	12/09/2014 1656	DG
Manganese	0.31	mg/L		0.01	EPA 200.7	12/09/2014 1656	DG
Radionuclides - Dissolved							
Gross Alpha	2120	pCi/L		2	SM 7110B	12/14/2014 2212	MB
Gross Alpha Precision (±)	23.1	pCi/L			SM 7110B	12/14/2014 2212	MB
Gross Beta	594	pCi/L		3	SM 7110B	12/14/2014 2212	MB
Gross Beta Precision (±)	8.5	pCi/L			SM 7110B	12/14/2014 2212	MB
Radium 226	714	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	3.2	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	ND	pCi/L		1	Ga-Tech	12/21/2014 1146	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	12/21/2014 1146	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-020
ClientSample ID: BMP-031
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 1:18:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	298	mg/L		5	SM 2320B	12/08/2014 1749	BT
Alkalinity, Bicarbonate as HCO3	358	mg/L		5	SM 2320B	12/08/2014 1749	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	12/08/2014 1749	BT
Chloride	26	mg/L		1	EPA 300.0	12/10/2014 743	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	12/08/2014 1749	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	12/15/2014 1544	AMB
Sulfate	84	mg/L		1	EPA 300.0	12/10/2014 743	AB
Calcium	81	mg/L		1	EPA 200.7	12/08/2014 1611	DG
Magnesium	20	mg/L		1	EPA 200.7	12/08/2014 1611	DG
Potassium	8	mg/L		1	EPA 200.7	12/08/2014 1611	DG
Sodium	56	mg/L		1	EPA 200.7	12/08/2014 1611	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	12/09/2014 1050	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	12/08/2014 1611	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	12/08/2014 1749	BT
Electrical Conductivity	788	µmhos/cm		5	SM 2510B	12/08/2014 1749	BT
Total Dissolved Solids (180)	480	mg/L		10	SM 2540	12/08/2014 1610	IR
Data Quality							
Cation Sum	8.40	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Anion Sum	8.45	meq/L		0.01	SM 1030E	12/16/2014 1004	JJ
Cation-Anion Balance (± 5%)	0.32	%		0.01	SM 1030E	12/16/2014 1004	JJ
Solids, Total Dissolved (Calc)	470	mg/L		10	SM 1030E	12/16/2014 1004	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.02	dec. %		0.01	Calculation	01/05/2015 1041	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 1/5/2015
Report ID S1412078001

ProjectName: MUB
Lab ID: S1412078-020
ClientSample ID: BMP-031
COC: 155227

WorkOrder: S1412078
CollectionDate: 12/2/2014 1:18:00 PM
DateReceived: 12/4/2014 11:27:00 AM
FieldSampler: KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	12/08/2014 1611	DG
Arsenic	0.011	mg/L		0.001	EPA 200.8	12/05/2014 1120	MS
Barium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1120	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	12/08/2014 1611	DG
Boron	ND	mg/L		0.1	EPA 200.7	12/08/2014 1611	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	12/05/2014 1120	MS
Chromium	ND	mg/L		0.01	EPA 200.7	12/08/2014 1611	DG
Copper	ND	mg/L		0.01	EPA 200.8	12/05/2014 1120	MS
Iron	1.58	mg/L		0.05	EPA 200.7	12/08/2014 1611	DG
Lead	ND	mg/L		0.01	EPA 200.8	12/05/2014 1120	MS
Manganese	0.22	mg/L		0.01	EPA 200.7	12/08/2014 1611	DG
Mercury	ND	mg/L		0.001	EPA 245.1	12/09/2014 1254	AW
Molybdenum	ND	mg/L		0.01	EPA 200.8	12/05/2014 1120	MS
Nickel	ND	mg/L		0.05	EPA 200.7	12/08/2014 1611	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	12/05/2014 1120	MS
Uranium	2.34	mg/L		0.0003	EPA 200.8	12/05/2014 1120	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	12/05/2014 1120	MS
Zinc	ND	mg/L		0.01	EPA 200.7	12/08/2014 1611	DG
Metals - Total							
Iron	1.88	mg/L		0.05	EPA 200.7	12/09/2014 1658	DG
Manganese	0.22	mg/L		0.01	EPA.200.7	12/09/2014 1658	DG
Radionuclides - Dissolved							
Gross Alpha	1430	pCi/L		3	SM 7110B	12/15/2014 2022	MB
Gross Alpha Precision (±)	18.8	pCi/L			SM 7110B	12/15/2014 2022	MB
Gross Beta	440	pCi/L		3	SM 7110B	12/15/2014 2022	MB
Gross Beta Precision (±)	6.8	pCi/L			SM 7110B	12/15/2014 2022	MB
Radium 226	284	pCi/L		0.2	SM 7500 Ra-B	12/29/2014 1448	MB
Radium 226 Precision (±)	2.0	pCi/L			SM 7500 Ra-B	12/29/2014 1448	MB
Radium 228	2.4	pCi/L		1	Ga-Tech	12/21/2014 2343	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	12/21/2014 2343	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

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Your Environmental Monitoring Partner

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco) **Date:** 1/5/2015
Work Order: S1412078 **Report ID:** S1412078001
Project: MUB

Alkalinity Sample Type **MBLK** Units: mg/L

BLANK (12/08/14 11:39)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Bicarbonate as HCO3	ND	5					
Alkalinity, Carbonate as CO3	ND	5					
Alkalinity, Total (As CaCO3)	ND	5					

Alkalinity Sample Type **LCS** Units: mg/L

ATQC (12/08/14 11:28)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Bicarbonate as HCO3	659	5					
Alkalinity, Carbonate as CO3	30	5					
Alkalinity, Total (As CaCO3)	591	5	595		99.2	90 - 110	

Alkalinity Sample Type **DUP** Units: mg/L

S1412078-010AD (12/08/14 14:31)	RunNo: 115744						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	384	5	385	0.261		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	315	5	316	0.261		20	

S1412078-020AD (12/08/14 18:05)	RunNo: 115744						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	363	5	358	1.34		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	297	5	298	0.166		20	

Conductivity Sample Type **MBLK** Units: µmhos/cm

BLANK (12/08/14 11:39)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	ND	5					

Conductivity Sample Type **LCS** Units: µmhos/cm

ATQC (12/08/14 11:28)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	1070	5	1060		101	90 - 110	

Conductivity Sample Type **DUP** Units: µmhos/cm

S1412078-010AD (12/08/14 14:31)	RunNo: 115744						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	899	5	891	0.894		20	

S1412078-020AD (12/08/14 18:05)	RunNo: 115744						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	810	5	788	2.75		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Dissolved Mercury by EPA 245.1 - Water Sample Type **MBLK** Units: mg/L

LRB (12/12/14 11:37)	RunNo: 115904						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	ND	0.001					

Dissolved Mercury by EPA 245.1 - Water Sample Type **LCS** Units: mg/L

LCS (12/09/14 10:23)	RunNo: 115760						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		94.2	85 - 115	

LCS (12/12/14 09:39)	RunNo: 115904						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		97.1	85 - 115	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MS** Units: mg/L

S1412078-012D (12/09/14 12:32)	RunNo: 115760						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	95.0	70 - 130	

S1412078-020D (12/09/14 12:58)	RunNo: 115760						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	92.9	70 - 130	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MSD** Units: mg/L

S1412078-012D (12/09/14 12:34)	RunNo: 115760						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	1.65	93.4	20	

S1412078-020D (12/09/14 13:00)	RunNo: 115760						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	2.69	95.4	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type MBLK Units: mg/L

MBLK DISS/CAT (12/08/14 13:45) RunNo: 115746

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	ND	0.1					
Beryllium	ND	0.01					
Boron	ND	0.1					
Chromium	ND	0.01					
Iron	ND	0.05					
Manganese	ND	0.02					
Nickel	ND	0.01					
Zinc	ND	0.01					

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type LCS Units: mg/L

DISS LCS Q (12/09/14 14:05) RunNo: 115778

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	1.0	0.1	1		101	85 - 115	
Beryllium	1.03	0.01	1		103	85 - 115	
Boron	1.0	0.1	1		101	85 - 115	
Chromium	1.03	0.01	1		103	85 - 115	
Iron	1.00	0.05	1		100	85 - 115	
Manganese	1.01	0.02	1		101	85 - 115	
Nickel	1.04	0.01	1		104	85 - 115	
Zinc	0.98	0.01	1		97.8	85 - 115	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type MS Units: mg/L

S1412078-008DS (12/08/14 15:22) RunNo: 115746

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	98.0	70 - 130	
Beryllium	0.267	0.001	0.25	ND	107	70 - 130	
Boron	0.3	0.1	0.25	ND	98.8	70 - 130	
Chromium	0.24	0.01	0.25	ND	97.7	70 - 130	
Iron	6.99	0.05	0.25	7.11	-47.7	70 - 130	S
Manganese	0.55	0.01	0.25	0.32	91.4	70 - 130	
Nickel	0.25	0.05	0.25	ND	99.0	70 - 130	
Zinc	0.27	0.01	0.25	ND	105	70 - 130	

S1412078-015DS (12/08/14 15:51) RunNo: 115746

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	98.4	70 - 130	
Beryllium	0.268	0.001	0.25	ND	107	70 - 130	
Boron	0.3	0.1	0.25	ND	97.7	70 - 130	
Chromium	0.24	0.01	0.25	ND	97.0	70 - 130	
Iron	13.0	0.05	0.25	13.5	-191	70 - 130	S
Manganese	1.31	0.01	0.25	1.11	79.8	70 - 130	
Nickel	0.25	0.05	0.25	ND	98.9	70 - 130	
Zinc	0.26	0.01	0.25	ND	104	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1412078-008DSD (12/08/14 15:24)	RunNo: 115746						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	2.95	94.9	20	
Beryllium	0.260	0.001	0.267	2.66	104	20	
Boron	0.3	0.1	0.3	0.369	98.4	20	
Chromium	0.24	0.01	0.24	3.07	94.8	20	
Iron	6.91	0.05	6.99	1.12	-78.9	20	S
Manganese	0.54	0.01	0.55	1.23	88.7	20	
Nickel	0.25	0.05	0.25	3.06	96.0	20	
Zinc	0.26	0.01	0.27	3.54	101	20	

S1412078-015DSD (12/08/14 15:53)	RunNo: 115746						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	0.326	98.7	20	
Beryllium	0.264	0.001	0.268	1.56	106	20	
Boron	0.3	0.1	0.3	0.242	98.0	20	
Chromium	0.24	0.01	0.24	1.17	95.9	20	
Iron	12.8	0.05	13.0	1.34	-260	20	S
Manganese	1.28	0.01	1.31	2.31	67.8	20	S
Nickel	0.24	0.05	0.25	1.81	97.1	20	
Zinc	0.26	0.01	0.26	0.856	103	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MBLK** Units: mg/L

MBLK (12/04/14 13:51)	RunNo: 115676						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	ND	0.005					
Barium	ND	0.1					
Cadmium	ND	0.001					
Copper	ND	0.01					
Lead	ND	0.02					
Molybdenum	ND	0.02					
Selenium	ND	0.001					
Uranium	ND	0.0003					
Vanadium	ND	0.02					

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **LCS** Units: mg/L

LCS (12/04/14 13:46)	RunNo: 115676						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	0.102	0.005	0.1		102	85 - 115	
Barium	ND	0.1	0.1		99.4	85 - 115	
Cadmium	0.102	0.001	0.1		102	85 - 115	
Copper	0.10	0.01	0.1		102	85 - 115	
Lead	0.10	0.02	0.1		100	85 - 115	
Molybdenum	0.10	0.02	0.1		98.5	85 - 115	
Selenium	0.102	0.001	0.1		102	85 - 115	
Uranium	0.103	0.0003	0.1		103	85 - 115	
Vanadium	0.10	0.02	0.1		103	85 - 115	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1412078-005DS (12/05/14 09:23)	RunNo: 115676						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.15	0.001	1.1	0.036	101	70 - 130	
Barium	1.1	0.1	1.1	ND	95.2	70 - 130	
Cadmium	1.08	0.001	1.1	ND	98.3	70 - 130	
Copper	1.09	0.01	1.1	ND	99.5	70 - 130	
Lead	1.09	0.01	1.1	ND	98.8	70 - 130	
Molybdenum	1.06	0.01	1.1	ND	96.5	70 - 130	
Selenium	1.09	0.001	1.1	0.029	96.1	70 - 130	
Uranium	3.87	0.0003	1.1	2.73	103	70 - 130	
Vanadium	1.2	0.1	1.1	ND	103	70 - 130	

S1412078-009DS (12/08/14 14:10)	RunNo: 115754						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	2.17	0.001	2.2	0.011	98.2	70 - 130	
Barium	2.2	0.1	2.2	ND	98.2	70 - 130	
Cadmium	2.14	0.001	2.2	ND	97.3	70 - 130	
Copper	2.23	0.01	2.2	ND	101	70 - 130	
Lead	2.17	0.01	2.2	ND	98.5	70 - 130	
Molybdenum	2.19	0.01	2.2	ND	99.5	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco) **Date:** 1/5/2015
Work Order: S1412078 **Report ID:** S1412078001
Project: MUB

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1412078-009DS (12/08/14 14:10)	RunNo: 115754						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Selenium	2.22	0.001	2.2	0.002	101	70 - 130	
Uranium	3.00	0.0003	2.2	0.744	102	70 - 130	
Vanadium	2.2	0.1	2.2	ND	99.9	70 - 130	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MSD** Units: mg/L

S1412078-005DMSD (12/05/14 09:28)	RunNo: 115676						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.14	0.001	1.15	0.896	100	20	
Barium	1.1	0.1	1.1	0.515	94.7	20	
Cadmium	1.09	0.001	1.08	1.18	99.5	20	
Copper	1.09	0.01	1.09	0.230	99.3	20	
Lead	1.07	0.01	1.09	1.75	97.1	20	
Molybdenum	1.06	0.01	1.06	0.536	96.0	20	
Selenium	1.10	0.001	1.09	1.67	97.7	20	
Uranium	3.83	0.0003	3.87	1.02	99.9	20	
Vanadium	1.2	0.1	1.2	0.971	104	20	

S1412078-009DMSD (12/08/14 14:15)	RunNo: 115754						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	2.19	0.001	2.17	0.709	98.9	20	
Barium	2.2	0.1	2.2	0.882	99.1	20	
Cadmium	2.12	0.001	2.14	0.771	96.6	20	
Copper	2.22	0.01	2.23	0.299	101	20	
Lead	2.22	0.01	2.17	2.22	101	20	
Molybdenum	2.18	0.01	2.19	0.616	98.9	20	
Selenium	2.21	0.001	2.22	0.0899	101	20	
Uranium	2.92	0.0003	3.00	2.49	99.0	20	
Vanadium	2.3	0.1	2.2	1.84	102	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Fluoride by SM 4500 Sample Type **MBLK** Units: mg/L

BLANK (12/08/14 11:39)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	ND	0.1					

Fluoride by SM 4500 Sample Type **LCS** Units: mg/L

ATQC (12/08/14 11:28)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.6	0.1	3		88.0	85 - 115	

Fluoride by SM 4500 Sample Type **MS** Units: mg/L

S1412078-009ASPK MS (12/08/14 13:47)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.6	0.1	2.5	0.2	97.7	80 - 120	

S1412078-019ASPK MS (12/08/14 17:17)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.7	0.1	2.5	0.1	102	80 - 120	

Fluoride by SM 4500 Sample Type **MSD** Units: mg/L

S1412078-009ASPK MSD (12/08/14 13:51)	RunNo: 115744						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.7	0.1	2.6	4.33	102	20	

S1412078-019ASPK MSD (12/08/14 17:25)	RunNo: 115744						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.8	0.1	2.7	4.84	107	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Gross Alpha, Beta by SM 7110B Sample Type **MBLK** Units: pCi/L

MB-285 (12/14/14 10:51) RunNo: 115963 PrepDate: 12/11/14 0:00 BatchID R115963

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

Gross Alpha, Beta by SM 7110B Sample Type **LCS** Units: pCi/L

LCS-286 (12/15/14 20:22) RunNo: 116013 PrepDate: 12/12/14 0:00 BatchID R116013

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	73	3	71.2		103	50 - 150	
Gross Beta (Dissolved)	128	3	118		108	79.4 - 124	

Gross Alpha, Beta by SM 7110B Sample Type **MS** Units: pCi/L

S1412078-001FMS (12/15/14 20:22) RunNo: 116013 PrepDate: 12/12/14 0:00 BatchID R116013

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	765	3	71.2	725	55.5	50 - 150	
Gross Beta (Dissolved)	411	3	118	262	125	61.1 - 140	

Gross Alpha, Beta by SM 7110B Sample Type **DUP** Units: pCi/L

S1412078-009F DUP (12/14/14 22:12) RunNo: 115963 PrepDate: 12/11/14 0:00 BatchID R115963

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	827	2	817	1.19		20	
Gross Beta (Dissolved)	290	3	296	2.14		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Anions by ION Chromatography Sample Type **MBLK** Units: mg/L

BLK (12/09/14 13:23)	RunNo: 115793						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

Anions by ION Chromatography Sample Type **LCS** Units: mg/L

DIONEX (12/09/14 13:39)	RunNo: 115793						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		101	90 - 110	
Sulfate	143	1	150		95.0	90 - 110	

Anions by ION Chromatography Sample Type **MS** Units: mg/L

S1412078-006ASPK (12/10/14 01:21)	RunNo: 115793						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	64	1	54.5	7	104	80 - 120	
Sulfate	477	1	409	41	106	80 - 120	

S1412078-016ASPK (12/10/14 05:30)	RunNo: 115793						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	62	1	54.5	6	103	80 - 120	
Sulfate	460	1	409	32	105	80 - 120	

Anions by ION Chromatography Sample Type **MSD** Units: mg/L

S1412078-006ASPK (12/10/14 01:38)	RunNo: 115793						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	64	1	64	0.498	105	20	
Sulfate	470	1	477	1.36	105	20	

S1412078-016ASPK (12/10/14 05:47)	RunNo: 115793						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	62	1	62	0.593	102	20	
Sulfate	465	1	460	0.903	106	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Cations by ICP (Method 200.7) Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (12/09/14 14:03)	RunNo: 115775						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

Cations by ICP (Method 200.7) Sample Type **LCS** Units: mg/L

CAT LCS IML3 (12/08/14 13:49)	RunNo: 115739						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	38	1	40		95.4	85 - 115	
Magnesium	41	1	40		102	85 - 115	
Potassium	39	1	40		97.4	85 - 115	
Sodium	40	1	40		98.9	85 - 115	

Cations by ICP (Method 200.7) Sample Type **MS** Units: mg/L

S1412078-008AS (12/08/14 15:22)	RunNo: 115739						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	90	1	25	69	84.8	70 - 130	
Magnesium	42	1	25	17	101	70 - 130	
Potassium	33	1	25	7	106	70 - 130	
Sodium	62	1	25	39	91.9	70 - 130	

S1412078-015AS (12/08/14 15:51)	RunNo: 115739						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	93	1	25	72	84.9	70 - 130	
Magnesium	41	1	25	16	99.8	70 - 130	
Potassium	34	1	25	8	105	70 - 130	
Sodium	35	1	25	12	92.3	70 - 130	

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1412078-008ASD (12/08/14 15:24)	RunNo: 115739						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	89	1	90	1.26	80.3	20	
Magnesium	42	1	42	0.654	99.4	20	
Potassium	33	1	33	1.96	103	20	
Sodium	61	1	62	2.24	86.3	20	

S1412078-015ASD (12/08/14 15:53)	RunNo: 115739						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	92	1	93	1.39	79.7	20	
Magnesium	41	1	41	0.866	98.3	20	
Potassium	34	1	34	0.748	104	20	
Sodium	35	1	35	0.931	91.0	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco) **Date:** 1/5/2015
Work Order: S1412078 **Report ID:** S1412078001
Project: MUB

Nitrogen, Ammonia (as N) Sample Type **MBLK** Units: mg/L

BLANK (12/09/14 09:02)	RunNo: 115803						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	ND	0.1					

Nitrogen, Ammonia (as N) Sample Type **LCS** Units: mg/L

QC (12/09/14 09:04)	RunNo: 115803						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	16.1	0.1	17.4		92.7	89 - 111	

Nitrogen, Ammonia (as N) Sample Type **MS** Units: mg/L

S1412078-003C (12/09/14 10:23)	RunNo: 115803						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.9	0.1	10	0.3	95.4	90 - 110	

S1412078-013C (12/09/14 10:39)	RunNo: 115803						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.5	0.1	10	0.4	91.3	90 - 110	

Nitrogen, Ammonia (as N) Sample Type **MSD** Units: mg/L

S1412078-003C (12/09/14 10:24)	RunNo: 115803						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.0	0.1	9.9	0.961	96.4	20	

S1412078-013C (12/09/14 10:40)	RunNo: 115803						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	9.6	0.1	9.5	1.36	92.6	20	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MBLK** Units: mg/L

BLANK (12/15/14 10:53)	RunNo: 115993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

Nitrogen, Nitrate-Nitrite (as N) Sample Type **LCS** Units: mg/L

QC (12/15/14 10:56)	RunNo: 115993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	16.9	0.1	17.7		95.3	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MS** Units: mg/L

S1412078-003C (12/15/14 15:03)	RunNo: 115996						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.0	0.1	5	ND	99.8	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MSD** Units: mg/L

S1412078-003C (12/15/14 15:05)	RunNo: 115996						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.1	0.1	5.0	2.16	102	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Radium 228 by Ga/Tech Sample Type **MBLK** Units: pCi/L

MB-9395 (12/18/14 14:26) RunNo: 116292 PrepDate: 12/15/14 10:00 BatchID 9395

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

Radium 228 by Ga/Tech Sample Type **LCS** Units: pCi/L

LCS-9395 (12/18/14 17:27) RunNo: 116292 PrepDate: 12/15/14 10:00 BatchID 9395

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	32	1	40.1		79.9	59.9 - 99.4	

Radium 228 by Ga/Tech Sample Type **MS** Units: pCi/L

TAPMS-9395 (12/18/14 23:29) RunNo: 116292 PrepDate: 12/15/14 10:00 BatchID 9395

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	31	1	40.1	ND	77.1	50.8 - 113	

Radium 228 by Ga/Tech Sample Type **MSD** Units: pCi/L

TAPMSD-9395 (12/19/14 02:30) RunNo: 116292 PrepDate: 12/15/14 10:00 BatchID 9395

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	37	1	31	18.0	92.4	20	

Radium 226 in Water - Dissolved Sample Type **MBLK** Units: pCi/L

MB-1379 (12/29/14 12:43) RunNo: 116616 PrepDate: 12/22/14 0:00 BatchID 9431

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

Radium 226 in Water - Dissolved Sample Type **LCS** Units: pCi/L

LCS-1379 (12/29/14 12:43) RunNo: 116616 PrepDate: 12/22/14 0:00 BatchID 9431

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.7	0.2	4.98		93.6	71 - 120	

Radium 226 in Water - Dissolved Sample Type **MS** Units: pCi/L

TAPMS-1379 (12/29/14 12:43) RunNo: 116616 PrepDate: 12/22/14 0:00 BatchID 9431

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.6	0.2	4.98	ND	91.7	74.5 - 120	

Radium 226 in Water - Dissolved Sample Type **MSD** Units: pCi/L

TAPMSD-1379 (12/29/14 12:43) RunNo: 116616 PrepDate: 12/22/14 0:00 BatchID 9431

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	5.7	0.2	4.6	21.1	113	20	R

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1412078
Project: MUB

Date: 1/5/2015
Report ID: S1412078001

Silica as SiO2 Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (12/09/14 14:03) RunNo: 115779

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	ND	0.1					

Silica as SiO2 Sample Type **LCS** Units: mg/L

DISS LCS Q (12/09/14 14:05) RunNo: 115779

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	2.1	0.1	2.14		98.7	85 - 115	

Silica as SiO2 Sample Type **DUP** Units: mg/L

S1412078-007DD (12/08/14 15:18) RunNo: 115748

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	13	1	13	1.13		20	

S1412078-014DD (12/08/14 15:46) RunNo: 115748

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	12	1	12	1.20		20	

Solids By SM 2540 Sample Type **MBLK** Units: mg/L

DI (12/08/14 15:47) RunNo: 115967

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	ND	10					

Solids By SM 2540 Sample Type **LCS** Units: mg/L

CONTROL (12/08/14 15:48) RunNo: 115967

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	230	10	226		103	90 - 110	

Solids By SM 2540 Sample Type **DUP** Units: mg/L

S1412078-010A (12/08/14 15:59) RunNo: 115967

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	550	10	550	1.09		20	

S1412078-019A (12/08/14 16:09) RunNo: 115967

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	470	10	460	1.28		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco) **Date:** 1/5/2015
Work Order: S1412078 **Report ID:** S1412078001
Project: MUB

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MBLK** Units: mg/L

MB-9314 (12/09/14 17:03)	RunNo: 115785	PrepDate: 12/08/14 12:34			BatchID 9314		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	ND	0.05					
Manganese	ND	0.02					

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **LCS** Units: mg/L

LCS-9314 (12/09/14 15:47)	RunNo: 115785	PrepDate: 12/08/14 12:34			BatchID 9314		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.49	0.05	0.5		98.5	85 - 115	
Manganese	0.20	0.02	0.2		97.6	85 - 115	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MS** Units: mg/L

S1412078-002ES (12/09/14 15:56)	RunNo: 115785	PrepDate: 12/08/14 7:00			BatchID 9314		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	3.85	0.05	0.5	3.39	90.7	70 - 130	
Manganese	0.56	0.01	0.2	0.37	93.7	70 - 130	

S1412078-012ES (12/09/14 16:32)	RunNo: 115785	PrepDate: 12/08/14 7:00			BatchID 9314		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	10.2	0.05	0.5	9.74	99.4	70 - 130	
Manganese	0.96	0.01	0.2	0.77	96.5	70 - 130	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MSD** Units: mg/L

S1412078-002EMSD (12/09/14 15:58)	RunNo: 115785	PrepDate: 12/08/14 7:00			BatchID 9314		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	3.87	0.05	3.85	0.487	94.5	20	
Manganese	0.57	0.01	0.56	1.63	98.3	20	

S1412078-012EMSD (12/09/14 16:34)	RunNo: 115785	PrepDate: 12/08/14 7:00			BatchID 9314		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	10.2	0.05	10.2	0.881	81.5	20	
Manganese	0.94	0.01	0.96	1.50	89.4	20	

pH Water Sample Type **LCS** Units: s.u.

ATQC (12/08/14 11:28)	RunNo: 115744						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	8.8	0.1	8.74		101	90 - 110	

pH Water Sample Type **DUP** Units: s.u.

S1412078-010AD (12/08/14 14:31)	RunNo: 115744						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.1	0.1	8.1	0.213		20	

S1412078-020AD (12/08/14 18:05)	RunNo: 115744						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.3	0.1	8.3	0.317		20	

Qualifiers:

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

ANALYTICAL SUMMARY REPORT

April 15, 2014

Power Resources dba Cameco Resources
PO Box 1210
Glenrock, WY 82637

Work Order: C14030772 Quote ID: C3884 - Restoration - Guideline 8

Project Name: MU B GL8

Energy Laboratories, Inc. Casper WY received the following 13 samples for Power Resources dba Cameco Resources on 3/26/2014 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C14030772-001	BMP-011	03/25/14 6:55	03/26/14	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved Solids, Total Dissolved - Calculated
C14030772-002	BMP-013	03/25/14 6:18	03/26/14	Aqueous	Same As Above
C14030772-003	BMP-014	03/25/14 7:20	03/26/14	Aqueous	Same As Above
C14030772-004	BMP-015	03/25/14 7:46	03/26/14	Aqueous	Same As Above
C14030772-005	BMP-016	03/25/14 8:15	03/26/14	Aqueous	Same As Above
C14030772-006	BMP-023	03/25/14 9:52	03/26/14	Aqueous	Same As Above
C14030772-007	BMP-024	03/25/14 10:15	03/26/14	Aqueous	Same As Above
C14030772-008	BMP-025	03/25/14 10:49	03/26/14	Aqueous	Same As Above
C14030772-009	BMP-026	03/25/14 11:28	03/26/14	Aqueous	Same As Above
C14030772-010	BMP-019	03/26/14 7:03	03/26/14	Aqueous	Same As Above
C14030772-011	BMP-027	03/26/14 6:17	03/26/14	Aqueous	Same As Above
C14030772-012	BMP-028	03/26/14 7:33	03/26/14	Aqueous	Same As Above
C14030772-013	BMP-031	03/26/14 9:18	03/26/14	Aqueous	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Kathryn Hamre
Report Proofing Specialist

Digitally signed by
Kathy Hamre
Date: 2014.04.15 09:42:51 -06:00

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-001
Client Sample ID: BMP-011

Report Date: 04/15/14
Collection Date: 03/25/14 06:55
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	220	mg/L		1		A2320 B	03/27/14 14:48 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 14:48 / jba
Bicarbonate as HCO3	268	mg/L		5		A2320 B	03/27/14 14:48 / jba
Calcium	57	mg/L		1		E200.7	04/04/14 16:30 / sf
Chloride	7	mg/L		1		E300.0	03/27/14 19:43 / wc
Fluoride	0.2	mg/L		0.1		A4500-F C	03/27/14 11:53 / jba
Magnesium	12	mg/L		1		E200.7	04/04/14 16:30 / sf
Nitrogen, Ammonia as N	0.26	mg/L		0.05		A4500-NH3 G	03/28/14 12:30 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 13:48 / lr
Potassium	6	mg/L		1		E200.7	04/04/14 16:30 / sf
Silica	12.9	mg/L		0.2		E200.7	04/04/14 16:30 / sf
Sodium	49	mg/L		1		E200.7	04/04/14 16:30 / sf
Sulfate	84	mg/L		1		E300.0	03/27/14 19:43 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	582	umhos/cm		5		A2510 B	03/27/14 12:59 / alp
pH	7.73	s.u.	H	0.01		A4500-H B	03/27/14 12:59 / alp
Solids, Total Dissolved TDS @ 180 C	350	mg/L		10		A2540 C	03/27/14 15:03 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:06 / clm
Arsenic	0.001	mg/L		0.001		E200.8	04/01/14 19:06 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:06 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 16:30 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:06 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:06 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:06 / clm
Iron	0.47	mg/L		0.03		E200.7	04/04/14 16:30 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:06 / clm
Manganese	0.12	mg/L		0.01		E200.8	04/01/14 19:06 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 12:04 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:06 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:06 / clm
Selenium	0.018	mg/L		0.001		E200.8	04/01/14 19:06 / clm
Uranium	1.30	mg/L		0.0003		E200.8	04/01/14 19:06 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:06 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:06 / clm
METALS - TOTAL							
Iron	0.81	mg/L		0.03		E200.7	04/01/14 17:44 / sf
Manganese	0.13	mg/L		0.01		E200.7	04/01/14 17:44 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-001
Client Sample ID: BMP-011

Report Date: 04/15/14
Collection Date: 03/25/14 06:55
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	983	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	14.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	1.9	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	232	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	5.6	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	2.9	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	222	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	3.5	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	2.5	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.8	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.49	%				A1030 E	04/08/14 14:08 / kbh
Anions	6.36	meq/L				A1030 E	04/08/14 14:08 / kbh
Cations	6.17	meq/L				A1030 E	04/08/14 14:08 / kbh
Solids, Total Dissolved Calculated	360	mg/L				A1030 E	04/08/14 14:08 / kbh
TDS Balance (0.80 - 1.20)	0.96					A1030 E	04/08/14 14:08 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-002
Client Sample ID: BMP-013

Report Date: 04/15/14
Collection Date: 03/25/14 06:18
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	256	mg/L		1		A2320 B	03/27/14 14:57 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 14:57 / jba
Bicarbonate as HCO3	312	mg/L		5		A2320 B	03/27/14 14:57 / jba
Calcium	64	mg/L		1		E200.7	04/04/14 16:34 / sf
Chloride	16	mg/L		1		E300.0	03/27/14 20:36 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 11:56 / jba
Magnesium	14	mg/L		1		E200.7	04/04/14 16:34 / sf
Nitrogen, Ammonia as N	0.36	mg/L		0.05		A4500-NH3 G	03/28/14 12:32 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 13:56 / lr
Potassium	5	mg/L		1		E200.7	04/04/14 16:34 / sf
Silica	11.6	mg/L		0.2		E200.7	04/04/14 16:34 / sf
Sodium	49	mg/L		1		E200.7	04/04/14 16:34 / sf
Sulfate	76	mg/L		1		E300.0	03/27/14 20:36 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	624	umhos/cm		5		A2510 B	03/27/14 13:02 / alp
pH	7.04	s.u.	H	0.01		A4500-H B	03/27/14 13:02 / alp
Solids, Total Dissolved TDS @ 180 C	372	mg/L		10		A2540 C	03/27/14 15:03 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:09 / clm
Arsenic	0.014	mg/L		0.001		E200.8	04/01/14 19:09 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:09 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 16:34 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:09 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:09 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:09 / clm
Iron	1.08	mg/L		0.03		E200.7	04/04/14 16:34 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:09 / clm
Manganese	0.29	mg/L		0.01		E200.8	04/01/14 19:09 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 12:08 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:09 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:09 / clm
Selenium	0.007	mg/L		0.001		E200.8	04/01/14 19:09 / clm
Uranium	2.23	mg/L		0.0003		E200.8	04/01/14 19:09 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:09 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:09 / clm
METALS - TOTAL							
Iron	1.75	mg/L		0.03		E200.7	04/01/14 17:48 / sf
Manganese	0.31	mg/L		0.01		E200.7	04/01/14 17:48 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-002
Client Sample ID: BMP-013

Report Date: 04/15/14
Collection Date: 03/25/14 06:18
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1860	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	20.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	1.9	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	440	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	7.4	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.1	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	415	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	4.8	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	5.6	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.3	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.8	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-3.83	%				A1030 E	04/08/14 14:08 / kbh
Anions	7.16	meq/L				A1030 E	04/08/14 14:08 / kbh
Cations	6.63	meq/L				A1030 E	04/08/14 14:08 / kbh
Solids, Total Dissolved Calculated	390	mg/L				A1030 E	04/08/14 14:08 / kbh
TDS Balance (0.80 - 1.20)	0.95					A1030 E	04/08/14 14:08 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-003
Client Sample ID: BMP-014

Report Date: 04/15/14
Collection Date: 03/25/14 07:20
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	320	mg/L		1		A2320 B	03/27/14 15:04 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:04 / jba
Bicarbonate as HCO3	391	mg/L		5		A2320 B	03/27/14 15:04 / jba
Calcium	85	mg/L		1		E200.7	04/04/14 16:38 / sf
Chloride	21	mg/L		1		E300.0	03/27/14 20:53 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 11:58 / jba
Magnesium	18	mg/L		1		E200.7	04/04/14 16:38 / sf
Nitrogen, Ammonia as N	0.31	mg/L		0.05		A4500-NH3 G	03/28/14 12:34 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:03 / lr
Potassium	7	mg/L		1		E200.7	04/04/14 16:38 / sf
Silica	12.7	mg/L		0.2		E200.7	04/04/14 16:38 / sf
Sodium	52	mg/L		1		E200.7	04/04/14 16:38 / sf
Sulfate	90	mg/L		1		E300.0	03/27/14 20:53 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	785	umhos/cm		5		A2510 B	03/27/14 13:08 / alp
pH	7.01	s.u.	H	0.01		A4500-H B	03/27/14 13:08 / alp
Solids, Total Dissolved TDS @ 180 C	483	mg/L	D	10		A2540 C	03/27/14 15:04 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:13 / clm
Arsenic	0.052	mg/L		0.001		E200.8	04/01/14 19:13 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:13 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 16:38 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:13 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:13 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:13 / clm
Iron	2.91	mg/L		0.03		E200.7	04/04/14 16:38 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:13 / clm
Manganese	0.29	mg/L		0.01		E200.8	04/01/14 19:13 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 12:13 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:13 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:13 / clm
Selenium	0.011	mg/L		0.001		E200.8	04/01/14 19:13 / clm
Uranium	5.68	mg/L		0.0003		E200.8	04/01/14 19:13 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:13 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:13 / clm
METALS - TOTAL							
Iron	6.86	mg/L		0.03		E200.7	04/01/14 17:51 / sf
Manganese	0.31	mg/L		0.01		E200.7	04/01/14 17:51 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-003
Client Sample ID: BMP-014

Report Date: 04/15/14
Collection Date: 03/25/14 07:20
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	4000	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	33.5	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	2.4	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	895	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	11.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.6	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	580	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	5.6	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	7.1	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.7	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-3.79	%				A1030 E	04/08/14 14:08 / kbh
Anions	8.89	meq/L				A1030 E	04/08/14 14:08 / kbh
Cations	8.24	meq/L				A1030 E	04/08/14 14:08 / kbh
Solids, Total Dissolved Calculated	480	mg/L				A1030 E	04/08/14 14:08 / kbh
TDS Balance (0.80 - 1.20)	1.00					A1030 E	04/08/14 14:08 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-004
Client Sample ID: BMP-015

Report Date: 04/15/14
Collection Date: 03/25/14 07:46
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	299	mg/L		1		A2320 B	03/27/14 15:13 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:13 / jba
Bicarbonate as HCO3	365	mg/L		5		A2320 B	03/27/14 15:13 / jba
Calcium	82	mg/L		1		E200.7	04/04/14 16:41 / sf
Chloride	16	mg/L		1		E300.0	03/27/14 21:11 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 12:11 / jba
Magnesium	16	mg/L		1		E200.7	04/04/14 16:41 / sf
Nitrogen, Ammonia as N	1.97	mg/L		0.05		A4500-NH3 G	03/28/14 12:35 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:06 / lr
Potassium	5	mg/L		1		E200.7	04/04/14 16:41 / sf
Silica	15.2	mg/L		0.2		E200.7	04/04/14 16:41 / sf
Sodium	47	mg/L		1		E200.7	04/04/14 16:41 / sf
Sulfate	78	mg/L		1		E300.0	03/27/14 21:11 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	722	umhos/cm		5		A2510 B	03/27/14 13:11 / alp
pH	7.14	s.u.	H	0.01		A4500-H B	03/27/14 13:11 / alp
Solids, Total Dissolved TDS @ 180 C	428	mg/L		10		A2540 C	03/27/14 15:04 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:25 / clm
Arsenic	0.032	mg/L		0.001		E200.8	04/01/14 19:25 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:25 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 16:41 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:25 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:25 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:25 / clm
Iron	3.57	mg/L		0.03		E200.7	04/04/14 16:41 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:25 / clm
Manganese	0.35	mg/L		0.01		E200.8	04/01/14 19:25 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 12:17 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:25 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:25 / clm
Selenium	0.057	mg/L		0.001		E200.8	04/01/14 19:25 / clm
Uranium	2.81	mg/L		0.0003		E200.8	04/01/14 19:25 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:25 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:25 / clm
METALS - TOTAL							
Iron	5.26	mg/L		0.03		E200.7	04/01/14 18:02 / sf
Manganese	0.36	mg/L		0.01		E200.7	04/01/14 18:02 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-004
Client Sample ID: BMP-015

Report Date: 04/15/14
Collection Date: 03/25/14 07:46
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	3300	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	30.5	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	2.1	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	946	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	11.0	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.4	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	789	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	6.5	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	9.5	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.7	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.19	%				A1030 E	04/08/14 14:09 / kbh
Anions	8.07	meq/L				A1030 E	04/08/14 14:09 / kbh
Cations	7.73	meq/L				A1030 E	04/08/14 14:09 / kbh
Solids, Total Dissolved Calculated	440	mg/L				A1030 E	04/08/14 14:09 / kbh
TDS Balance (0.80 - 1.20)	0.96					A1030 E	04/08/14 14:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-005
Client Sample ID: BMP-016

Report Date: 04/15/14
Collection Date: 03/25/14 08:15
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	259	mg/L		1		A2320 B	03/27/14 15:20 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:20 / jba
Bicarbonate as HCO3	316	mg/L		5		A2320 B	03/27/14 15:20 / jba
Calcium	58	mg/L		1		E200.7	04/04/14 17:06 / sf
Chloride	8	mg/L		1		E300.0	03/27/14 21:28 / wc
Fluoride	ND	mg/L		0.1		A4500-F C	03/27/14 12:19 / jba
Magnesium	13	mg/L		1		E200.7	04/04/14 17:06 / sf
Nitrogen, Ammonia as N	0.24	mg/L		0.05		A4500-NH3 G	03/28/14 12:37 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:08 / lr
Potassium	5	mg/L		1		E200.7	04/04/14 17:06 / sf
Silica	13.6	mg/L		0.2		E200.7	04/04/14 17:06 / sf
Sodium	57	mg/L		1		E200.7	04/04/14 17:06 / sf
Sulfate	72	mg/L		1		E300.0	03/27/14 21:28 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	617	umhos/cm		5		A2510 B	03/27/14 13:14 / alp
pH	7.05	s.u.	H	0.01		A4500-H B	03/27/14 13:14 / alp
Solids, Total Dissolved TDS @ 180 C	368	mg/L		10		A2540 C	03/27/14 15:04 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:38 / clm
Arsenic	0.037	mg/L		0.001		E200.8	04/01/14 19:38 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:38 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:06 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:38 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:38 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:38 / clm
Iron	2.41	mg/L		0.03		E200.7	04/04/14 17:06 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:38 / clm
Manganese	0.39	mg/L		0.01		E200.8	04/01/14 19:38 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 12:21 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:38 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:38 / clm
Selenium	0.011	mg/L		0.001		E200.8	04/01/14 19:38 / clm
Uranium	2.88	mg/L		0.0003		E200.8	04/01/14 19:38 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:38 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:38 / clm
METALS - TOTAL							
Iron	3.35	mg/L		0.03		E200.7	04/01/14 18:05 / sf
Manganese	0.40	mg/L		0.01		E200.7	04/01/14 18:05 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-005
Client Sample ID: BMP-016

Report Date: 04/15/14
Collection Date: 03/25/14 08:15
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2330	pCi/L				E900.0	04/04/14 11:59 / lbb
Gross Alpha precision (±)	23.7	pCi/L				E900.0	04/04/14 11:59 / lbb
Gross Alpha MDC	1.7	pCi/L				E900.0	04/04/14 11:59 / lbb
Gross Beta	705	pCi/L				E900.0	04/04/14 11:59 / lbb
Gross Beta precision (±)	9.0	pCi/L				E900.0	04/04/14 11:59 / lbb
Gross Beta MDC	3.3	pCi/L				E900.0	04/04/14 11:59 / lbb
Radium 226	478	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	5.1	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	6.6	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.3	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.7	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.08	%				A1030 E	04/08/14 14:09 / kbh
Anions	6.90	meq/L				A1030 E	04/08/14 14:09 / kbh
Cations	6.62	meq/L				A1030 E	04/08/14 14:09 / kbh
Solids, Total Dissolved Calculated	390	mg/L				A1030 E	04/08/14 14:09 / kbh
TDS Balance (0.80 - 1.20)	0.95					A1030 E	04/08/14 14:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-006
Client Sample ID: BMP-023

Report Date: 04/15/14
Collection Date: 03/25/14 09:52
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	258	mg/L		1		A2320 B	03/27/14 15:28 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:28 / jba
Bicarbonate as HCO3	315	mg/L		5		A2320 B	03/27/14 15:28 / jba
Calcium	66	mg/L		1		E200.7	04/04/14 17:10 / sf
Chloride	9	mg/L		1		E300.0	03/27/14 21:45 / wc
Fluoride	0.2	mg/L		0.1		A4500-F C	03/27/14 12:24 / jba
Magnesium	14	mg/L		1		E200.7	04/04/14 17:10 / sf
Nitrogen, Ammonia as N	1.03	mg/L		0.05		A4500-NH3 G	03/28/14 12:39 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:11 / lr
Potassium	5	mg/L		1		E200.7	04/04/14 17:10 / sf
Silica	16.9	mg/L		0.2		E200.7	04/04/14 17:10 / sf
Sodium	60	mg/L		1		E200.7	04/04/14 17:10 / sf
Sulfate	102	mg/L		1		E300.0	03/27/14 21:45 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	697	umhos/cm		5		A2510 B	03/27/14 13:17 / alp
pH	6.83	s.u.	H	0.01		A4500-H B	03/27/14 13:17 / alp
Solids, Total Dissolved TDS @ 180 C	422	mg/L		10		A2540 C	03/27/14 15:05 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:42 / clm
Arsenic	0.112	mg/L		0.001		E200.8	04/01/14 19:42 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:42 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:10 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:42 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:42 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:42 / clm
Iron	5.73	mg/L		0.03		E200.7	04/04/14 17:10 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:42 / clm
Manganese	0.44	mg/L		0.01		E200.8	04/01/14 19:42 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 12:26 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:42 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:42 / clm
Selenium	0.024	mg/L		0.001		E200.8	04/01/14 19:42 / clm
Uranium	0.857	mg/L		0.0003		E200.8	04/01/14 19:42 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:42 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:42 / clm
METALS - TOTAL							
Iron	6.77	mg/L		0.03		E200.7	04/01/14 18:09 / sf
Manganese	0.47	mg/L		0.01		E200.7	04/01/14 18:09 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-006
Client Sample ID: BMP-023

Report Date: 04/15/14
Collection Date: 03/25/14 09:52
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2770	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	27.4	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	2.2	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	835	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	9.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	958	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	7.3	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.28	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	11.5	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.6	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.8	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.74	%				A1030 E	04/08/14 14:09 / kbh
Anions	7.56	meq/L				A1030 E	04/08/14 14:09 / kbh
Cations	7.30	meq/L				A1030 E	04/08/14 14:09 / kbh
Solids, Total Dissolved Calculated	430	mg/L				A1030 E	04/08/14 14:09 / kbh
TDS Balance (0.80 - 1.20)	0.97					A1030 E	04/08/14 14:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-007
Client Sample ID: BMP-024

Report Date: 04/15/14
Collection Date: 03/25/14 10:15
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	444	mg/L		1		A2320 B	03/27/14 15:36 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:36 / jba
Bicarbonate as HCO3	541	mg/L		5		A2320 B	03/27/14 15:36 / jba
Calcium	134	mg/L		1		E200.7	04/04/14 17:13 / sf
Chloride	20	mg/L		1		E300.0	03/27/14 22:03 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 12:27 / jba
Magnesium	19	mg/L		1		E200.7	04/04/14 17:13 / sf
Nitrogen, Ammonia as N	0.51	mg/L		0.05		A4500-NH3 G	03/28/14 12:44 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:13 / lr
Potassium	6	mg/L		1		E200.7	04/04/14 17:13 / sf
Silica	19.9	mg/L		0.2		E200.7	04/04/14 17:13 / sf
Sodium	21	mg/L		1		E200.7	04/04/14 17:13 / sf
Sulfate	28	mg/L		1		E300.0	03/27/14 22:03 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	864	umhos/cm		5		A2510 B	03/27/14 13:20 / alp
pH	6.75	s.u.	H	0.01		A4500-H B	03/27/14 13:20 / alp
Solids, Total Dissolved TDS @ 180 C	504	mg/L		10		A2540 C	03/27/14 15:05 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:45 / clm
Arsenic	0.031	mg/L		0.001		E200.8	04/01/14 19:45 / clm
Barium	0.2	mg/L		0.1		E200.8	04/01/14 19:45 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:13 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:45 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:45 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:45 / clm
Iron	10.6	mg/L		0.03		E200.7	04/04/14 17:13 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:45 / clm
Manganese	1.39	mg/L		0.01		E200.8	04/01/14 19:45 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:04 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:45 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:45 / clm
Selenium	0.002	mg/L		0.001		E200.8	04/01/14 19:45 / clm
Uranium	0.773	mg/L		0.0003		E200.8	04/01/14 19:45 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:45 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:45 / clm
METALS - TOTAL							
Iron	11.3	mg/L		0.03		E200.7	04/01/14 18:12 / sf
Manganese	1.46	mg/L		0.01		E200.7	04/01/14 18:12 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-007
Client Sample ID: BMP-024

Report Date: 04/15/14
Collection Date: 03/25/14 10:15
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1320	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	22.5	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	3.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	338	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	8.0	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	4.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	623	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	5.9	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.28	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	8.0	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	04/02/14 10:06 / plj
Radium 228 MDC	1.8	pCi/L				RA-05	04/02/14 10:06 / plj
DATA QUALITY							
A/C Balance (± 5)	-3.51	%				A1030 E	04/08/14 14:09 / kbh
Anions	10.0	meq/L				A1030 E	04/08/14 14:09 / kbh
Cations	9.34	meq/L				A1030 E	04/08/14 14:09 / kbh
Solids, Total Dissolved Calculated	520	mg/L				A1030 E	04/08/14 14:09 / kbh
TDS Balance (0.80 - 1.20)	0.97					A1030 E	04/08/14 14:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-008
Client Sample ID: BMP-025

Report Date: 04/15/14
Collection Date: 03/25/14 10:49
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	185	mg/L		1		A2320 B	03/27/14 15:44 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:44 / jba
Bicarbonate as HCO3	226	mg/L		5		A2320 B	03/27/14 15:44 / jba
Calcium	81	mg/L		1		E200.7	04/04/14 17:17 / sf
Chloride	11	mg/L		1		E300.0	03/27/14 22:20 / wc
Fluoride	ND	mg/L		0.1		A4500-F C	03/27/14 12:29 / jba
Magnesium	15	mg/L		1		E200.7	04/04/14 17:17 / sf
Nitrogen, Ammonia as N	1.08	mg/L		0.05		A4500-NH3 G	03/28/14 12:49 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:16 / lr
Potassium	6	mg/L		1		E200.7	04/04/14 17:17 / sf
Silica	14.1	mg/L		0.2		E200.7	04/04/14 17:17 / sf
Sodium	30	mg/L		1		E200.7	04/04/14 17:17 / sf
Sulfate	148	mg/L		1		E300.0	03/27/14 22:20 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	665	umhos/cm		5		A2510 B	03/27/14 13:23 / alp
pH	6.63	s.u.	H	0.01		A4500-H B	03/27/14 13:23 / alp
Solids, Total Dissolved TDS @ 180 C	429	mg/L	D	10		A2540 C	03/27/14 15:05 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:48 / clm
Arsenic	0.008	mg/L		0.001		E200.8	04/01/14 19:48 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:48 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:17 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:48 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:48 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:48 / clm
Iron	3.32	mg/L		0.03		E200.7	04/04/14 17:17 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:48 / clm
Manganese	0.40	mg/L		0.01		E200.8	04/01/14 19:48 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:09 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:48 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:48 / clm
Selenium	0.004	mg/L		0.001		E200.8	04/01/14 19:48 / clm
Uranium	0.110	mg/L		0.0003		E200.8	04/01/14 19:48 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:48 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:48 / clm
METALS - TOTAL							
Iron	6.39	mg/L		0.03		E200.7	04/01/14 18:30 / sf
Manganese	0.43	mg/L		0.01		E200.7	04/01/14 18:30 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-008
Client Sample ID: BMP-025

Report Date: 04/15/14
Collection Date: 03/25/14 10:49
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	802	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	13.9	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	1.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	266	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	5.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	391	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	4.8	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.29	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	10.7	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 precision (±)	1.8	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 MDC	2.3	pCi/L				RA-05	04/02/14 11:43 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.05	%				A1030 E	04/08/14 14:09 / kbh
Anions	7.11	meq/L				A1030 E	04/08/14 14:09 / kbh
Cations	6.82	meq/L				A1030 E	04/08/14 14:09 / kbh
Solids, Total Dissolved Calculated	420	mg/L				A1030 E	04/08/14 14:09 / kbh
TDS Balance (0.80 - 1.20)	1.02					A1030 E	04/08/14 14:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-009
Client Sample ID: BMP-026

Report Date: 04/15/14
Collection Date: 03/25/14 11:28
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	65	mg/L		1		A2320 B	03/27/14 15:51 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 15:51 / jba
Bicarbonate as HCO3	79	mg/L		5		A2320 B	03/27/14 15:51 / jba
Calcium	17	mg/L		1		E200.7	04/04/14 17:20 / sf
Chloride	ND	mg/L		1		E300.0	03/27/14 22:38 / wc
Fluoride	ND	mg/L		0.1		A4500-F C	03/27/14 12:32 / jba
Magnesium	3	mg/L		1		E200.7	04/04/14 17:20 / sf
Nitrogen, Ammonia as N	0.64	mg/L		0.05		A4500-NH3 G	03/28/14 12:50 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:18 / lr
Potassium	4	mg/L		1		E200.7	04/04/14 17:20 / sf
Silica	10.5	mg/L		0.2		E200.7	04/04/14 17:20 / sf
Sodium	1	mg/L		1		E200.7	04/04/14 17:20 / sf
Sulfate	5	mg/L		1		E300.0	03/27/14 22:38 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	136	umhos/cm		5		A2510 B	03/27/14 13:26 / alp
pH	7.01	s.u.	H	0.01		A4500-H B	03/27/14 13:26 / alp
Solids, Total Dissolved TDS @ 180 C	81	mg/L	D	10		A2540 C	03/27/14 15:06 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:51 / clm
Arsenic	0.042	mg/L		0.001		E200.8	04/01/14 19:51 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:51 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:20 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:51 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:51 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:51 / clm
Iron	5.81	mg/L		0.03		E200.7	04/04/14 17:20 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:51 / clm
Manganese	0.47	mg/L		0.01		E200.8	04/01/14 19:51 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:13 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:51 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:51 / clm
Selenium	0.010	mg/L		0.001		E200.8	04/01/14 19:51 / clm
Uranium	0.0320	mg/L		0.0003		E200.8	04/01/14 19:51 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:51 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:51 / clm
METALS - TOTAL							
Iron	11.2	mg/L		0.03		E200.7	04/01/14 18:34 / sf
Manganese	0.54	mg/L		0.01		E200.7	04/01/14 18:34 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-009
Client Sample ID: BMP-026

Report Date: 04/15/14
Collection Date: 03/25/14 11:28
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	985	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	12.7	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	1.6	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	364	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	6.5	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.0	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	355	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 precision (±)	4.4	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 10:28 / trs
Radium 228	5.6	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 MDC	2.1	pCi/L				RA-05	04/02/14 11:43 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.93	%				A1030 E	04/08/14 14:09 / kbh
Anions	1.42	meq/L				A1030 E	04/08/14 14:09 / kbh
Cations	1.34	meq/L				A1030 E	04/08/14 14:09 / kbh
Solids, Total Dissolved Calculated	84	mg/L				A1030 E	04/08/14 14:09 / kbh
TDS Balance (0.80 - 1.20)	0.96					A1030 E	04/08/14 14:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-010
Client Sample ID: BMP-019

Report Date: 04/15/14
Collection Date: 03/26/14 07:03
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	249	mg/L		1		A2320 B	03/27/14 16:06 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 16:06 / jba
Bicarbonate as HCO3	304	mg/L		5		A2320 B	03/27/14 16:06 / jba
Calcium	68	mg/L		1		E200.7	04/04/14 17:24 / sf
Chloride	21	mg/L		1		E300.0	03/27/14 22:55 / wc
Fluoride	ND	mg/L		0.1		A4500-F C	03/27/14 12:35 / jba
Magnesium	16	mg/L		1		E200.7	04/04/14 17:24 / sf
Nitrogen, Ammonia as N	0.22	mg/L		0.05		A4500-NH3 G	03/28/14 12:52 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:21 / lr
Potassium	6	mg/L		1		E200.7	04/04/14 17:24 / sf
Silica	16.7	mg/L		0.2		E200.7	04/04/14 17:24 / sf
Sodium	41	mg/L		1		E200.7	04/04/14 17:24 / sf
Sulfate	69	mg/L		1		E300.0	03/27/14 22:55 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	654	umhos/cm		5		A2510 B	03/27/14 13:29 / alp
pH	6.79	s.u.	H	0.01		A4500-H B	03/27/14 13:29 / alp
Solids, Total Dissolved TDS @ 180 C	384	mg/L		10		A2540 C	03/27/14 15:06 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:55 / clm
Arsenic	0.016	mg/L		0.001		E200.8	04/01/14 19:55 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:55 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:24 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:55 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:55 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:55 / clm
Iron	7.77	mg/L		0.03		E200.7	04/04/14 17:24 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:55 / clm
Manganese	0.29	mg/L		0.01		E200.8	04/01/14 19:55 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:17 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:55 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:55 / clm
Selenium	0.002	mg/L		0.001		E200.8	04/01/14 19:55 / clm
Uranium	0.463	mg/L		0.0003		E200.8	04/01/14 19:55 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:55 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:55 / clm
METALS - TOTAL							
Iron	10.9	mg/L		0.03		E200.7	04/01/14 18:37 / sf
Manganese	0.30	mg/L		0.01		E200.7	04/01/14 18:37 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-010
Client Sample ID: BMP-019

Report Date: 04/15/14
Collection Date: 03/26/14 07:03
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1270	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	17.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	2.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	316	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	6.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	3.2	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	494	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 precision (±)	5.3	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 MDC	0.28	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 228	3.4	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 MDC	2.2	pCi/L				RA-05	04/02/14 11:43 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.68	%				A1030 E	04/08/14 14:10 / kbh
Anions	7.02	meq/L				A1030 E	04/08/14 14:10 / kbh
Cations	6.65	meq/L				A1030 E	04/08/14 14:10 / kbh
Solids, Total Dissolved Calculated	390	mg/L				A1030 E	04/08/14 14:10 / kbh
TDS Balance (0.80 - 1.20)	0.98					A1030 E	04/08/14 14:10 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-011
Client Sample ID: BMP-027

Report Date: 04/15/14
Collection Date: 03/26/14 06:17
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	436	mg/L		1		A2320 B	03/27/14 16:15 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 16:15 / jba
Bicarbonate as HCO3	532	mg/L		5		A2320 B	03/27/14 16:15 / jba
Calcium	117	mg/L		1		E200.7	04/04/14 17:28 / sf
Chloride	7	mg/L		1		E300.0	03/28/14 00:05 / wc
Fluoride	ND	mg/L		0.1		A4500-F C	03/27/14 12:37 / jba
Magnesium	23	mg/L		1		E200.7	04/04/14 17:28 / sf
Nitrogen, Ammonia as N	0.45	mg/L		0.05		A4500-NH3 G	03/28/14 12:54 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:23 / lr
Potassium	7	mg/L		1		E200.7	04/04/14 17:28 / sf
Silica	11.7	mg/L		0.2		E200.7	04/04/14 17:28 / sf
Sodium	25	mg/L		1		E200.7	04/04/14 17:28 / sf
Sulfate	38	mg/L		1		E300.0	03/28/14 00:05 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	806	umhos/cm		5		A2510 B	03/27/14 13:32 / alp
pH	7.05	s.u.	H	0.01		A4500-H B	03/27/14 13:32 / alp
Solids, Total Dissolved TDS @ 180 C	471	mg/L	D	10		A2540 C	03/27/14 15:06 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 19:58 / clm
Arsenic	0.003	mg/L		0.001		E200.8	04/01/14 19:58 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 19:58 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:28 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 19:58 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 19:58 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 19:58 / clm
Iron	0.61	mg/L		0.03		E200.7	04/04/14 17:28 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 19:58 / clm
Manganese	0.42	mg/L		0.01		E200.8	04/01/14 19:58 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:21 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 19:58 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 19:58 / clm
Selenium	0.006	mg/L		0.001		E200.8	04/01/14 19:58 / clm
Uranium	4.56	mg/L		0.0003		E200.8	04/01/14 19:58 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 19:58 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 19:58 / clm
METALS - TOTAL							
Iron	1.49	mg/L		0.03		E200.7	04/01/14 18:41 / sf
Manganese	0.43	mg/L		0.01		E200.7	04/01/14 18:41 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-011
Client Sample ID: BMP-027

Report Date: 04/15/14
Collection Date: 03/26/14 06:17
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	4980	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha precision (±)	40.7	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Alpha MDC	3.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta	1140	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta precision (±)	13.8	pCi/L				E900.0	04/04/14 12:00 / lbb
Gross Beta MDC	4.3	pCi/L				E900.0	04/04/14 12:00 / lbb
Radium 226	1030	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 precision (±)	7.4	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 228	4.1	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 MDC	2.1	pCi/L				RA-05	04/02/14 11:43 / plj
DATA QUALITY							
A/C Balance (± 5)	-3.42	%				A1030 E	04/08/14 14:10 / kbh
Anions	9.70	meq/L				A1030 E	04/08/14 14:10 / kbh
Cations	9.06	meq/L				A1030 E	04/08/14 14:10 / kbh
Solids, Total Dissolved Calculated	490	mg/L				A1030 E	04/08/14 14:10 / kbh
TDS Balance (0.80 - 1.20)	0.95					A1030 E	04/08/14 14:10 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-012
Client Sample ID: BMP-028

Report Date: 04/15/14
Collection Date: 03/26/14 07:33
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	209	mg/L		1		A2320 B	03/27/14 16:23 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 16:23 / jba
Bicarbonate as HCO3	255	mg/L		5		A2320 B	03/27/14 16:23 / jba
Calcium	59	mg/L		1		E200.7	04/04/14 17:45 / sf
Chloride	7	mg/L		1		E300.0	03/28/14 00:57 / wc
Fluoride	0.2	mg/L		0.1		A4500-F C	03/27/14 12:40 / jba
Magnesium	15	mg/L		1		E200.7	04/04/14 17:45 / sf
Nitrogen, Ammonia as N	0.33	mg/L		0.05		A4500-NH3 G	03/28/14 12:55 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:31 / lr
Potassium	6	mg/L		1		E200.7	04/04/14 17:45 / sf
Silica	18.1	mg/L		0.2		E200.7	04/04/14 17:45 / sf
Sodium	65	mg/L		1		E200.7	04/04/14 17:45 / sf
Sulfate	137	mg/L		1		E300.0	03/28/14 00:57 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	667	umhos/cm		5		A2510 B	03/27/14 13:47 / alp
pH	7.27	s.u.	H	0.01		A4500-H B	03/27/14 13:47 / alp
Solids, Total Dissolved TDS @ 180 C	420	mg/L	D	10		A2540 C	03/27/14 15:07 / tmm
METALS - DISSOLVED							
Aluminum	1.8	mg/L		0.1		E200.8	04/01/14 20:01 / clm
Arsenic	0.022	mg/L		0.001		E200.8	04/01/14 20:01 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 20:01 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:45 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 20:01 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 20:01 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 20:01 / clm
Iron	10.3	mg/L		0.03		E200.7	04/04/14 17:45 / sf
Lead	0.011	mg/L		0.001		E200.8	04/01/14 20:01 / clm
Manganese	0.28	mg/L		0.01		E200.8	04/01/14 20:01 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:26 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 20:01 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 20:01 / clm
Selenium	0.088	mg/L		0.001		E200.8	04/01/14 20:01 / clm
Uranium	5.84	mg/L		0.0003		E200.8	04/01/14 20:01 / clm
Vanadium	0.2	mg/L		0.1		E200.8	04/01/14 20:01 / clm
Zinc	0.07	mg/L		0.01		E200.8	04/01/14 20:01 / clm
METALS - TOTAL							
Iron	1.46	mg/L		0.03		E200.7	04/01/14 18:44 / sf
Manganese	0.23	mg/L		0.01		E200.7	04/01/14 18:44 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-012
Client Sample ID: BMP-028

Report Date: 04/15/14
Collection Date: 03/26/14 07:33
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1270	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Alpha precision (±)	17.8	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Alpha MDC	1.7	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Beta	307	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Beta precision (±)	6.3	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Beta MDC	3.1	pCi/L				E900.0	04/04/14 19:11 / lbb
Radium 226	352	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 precision (±)	4.5	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 MDC	0.28	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 228	3.2	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 MDC	2.2	pCi/L				RA-05	04/02/14 11:43 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.33	%				A1030 E	04/08/14 14:10 / kbh
Anions	7.24	meq/L				A1030 E	04/08/14 14:10 / kbh
Cations	7.19	meq/L				A1030 E	04/08/14 14:10 / kbh
Solids, Total Dissolved Calculated	440	mg/L				A1030 E	04/08/14 14:10 / kbh
TDS Balance (0.80 - 1.20)	0.96					A1030 E	04/08/14 14:10 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-013
Client Sample ID: BMP-031

Report Date: 04/15/14
Collection Date: 03/26/14 09:18
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	315	mg/L		1		A2320 B	03/27/14 16:31 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/27/14 16:31 / jba
Bicarbonate as HCO3	384	mg/L		5		A2320 B	03/27/14 16:31 / jba
Calcium	87	mg/L		1		E200.7	04/04/14 17:49 / sf
Chloride	29	mg/L		1		E300.0	03/28/14 01:14 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 12:43 / jba
Magnesium	21	mg/L		1		E200.7	04/04/14 17:49 / sf
Nitrogen, Ammonia as N	0.24	mg/L		0.05		A4500-NH3 G	03/28/14 12:57 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/01/14 14:38 / lr
Potassium	7	mg/L		1		E200.7	04/04/14 17:49 / sf
Silica	10.4	mg/L		0.2		E200.7	04/04/14 17:49 / sf
Sodium	60	mg/L		1		E200.7	04/04/14 17:49 / sf
Sulfate	106	mg/L		1		E300.0	03/28/14 01:14 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	837	umhos/cm		5		A2510 B	03/27/14 13:50 / alp
pH	7.34	s.u.	H	0.01		A4500-H B	03/27/14 13:50 / alp
Solids, Total Dissolved TDS @ 180 C	511	mg/L		10		A2540 C	03/27/14 15:07 / tmm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	04/01/14 20:04 / clm
Arsenic	0.010	mg/L		0.001		E200.8	04/01/14 20:04 / clm
Barium	ND	mg/L		0.1		E200.8	04/01/14 20:04 / clm
Boron	ND	mg/L		0.1		E200.7	04/04/14 17:49 / sf
Cadmium	ND	mg/L		0.005		E200.8	04/01/14 20:04 / clm
Chromium	ND	mg/L		0.05		E200.8	04/01/14 20:04 / clm
Copper	ND	mg/L		0.01		E200.8	04/01/14 20:04 / clm
Iron	1.68	mg/L		0.03		E200.7	04/04/14 17:49 / sf
Lead	ND	mg/L		0.001		E200.8	04/01/14 20:04 / clm
Manganese	0.22	mg/L		0.01		E200.8	04/01/14 20:04 / clm
Mercury	ND	mg/L		0.001		E200.8	04/10/14 13:51 / cp
Molybdenum	ND	mg/L		0.1		E200.8	04/01/14 20:04 / clm
Nickel	ND	mg/L		0.05		E200.8	04/01/14 20:04 / clm
Selenium	0.005	mg/L		0.001		E200.8	04/01/14 20:04 / clm
Uranium	2.56	mg/L		0.0003		E200.8	04/01/14 20:04 / clm
Vanadium	ND	mg/L		0.1		E200.8	04/01/14 20:04 / clm
Zinc	ND	mg/L		0.01		E200.8	04/01/14 20:04 / clm
METALS - TOTAL							
Iron	6.33	mg/L		0.03		E200.7	04/01/14 18:48 / sf
Manganese	0.24	mg/L		0.01		E200.7	04/01/14 18:48 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030772-013
Client Sample ID: BMP-031

Report Date: 04/15/14
Collection Date: 03/26/14 09:18
DateReceived: 03/26/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2060	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Alpha precision (±)	24.7	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Alpha MDC	2.5	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Beta	445	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Beta precision (±)	8.2	pCi/L				E900.0	04/04/14 19:11 / lbb
Gross Beta MDC	3.7	pCi/L				E900.0	04/04/14 19:11 / lbb
Radium 226	423	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 precision (±)	4.8	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	04/07/14 12:02 / trs
Radium 228	2.6	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	04/02/14 11:43 / plj
Radium 228 MDC	2.1	pCi/L				RA-05	04/02/14 11:43 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.43	%				A1030 E	04/08/14 14:10 / kbh
Anions	9.34	meq/L				A1030 E	04/08/14 14:10 / kbh
Cations	8.90	meq/L				A1030 E	04/08/14 14:10 / kbh
Solids, Total Dissolved Calculated	510	mg/L				A1030 E	04/08/14 14:10 / kbh
TDS Balance (0.80 - 1.20)	1.00					A1030 E	04/08/14 14:10 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/15/14

Project: MU B GL8 **Work Order:** C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R184882
Lab ID: MBLK	3	Method Blank				Run: MANTECH_140327B			03/27/14 13:54	
Alkalinity, Total as CaCO3		0.9	mg/L	0.6						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		1	mg/L	1						
Lab ID: LCS_131219		Laboratory Control Sample				Run: MANTECH_140327B			03/27/14 14:07	
Alkalinity, Total as CaCO3		259	mg/L	5.0	103	90	110			
Lab ID: C14030760-001AMS		Sample Matrix Spike				Run: MANTECH_140327B			03/27/14 14:41	
Alkalinity, Total as CaCO3		449	mg/L	5.0	96	80	120			
Lab ID: C14030772-009ADUP	3	Sample Duplicate				Run: MANTECH_140327B			03/27/14 15:58	
Alkalinity, Total as CaCO3		65.0	mg/L	5.0				0.1	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		79.3	mg/L	5.0				0.1	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B										Batch: R184859
Lab ID: SC 100	Initial Calibration Verification Standard					Run: PHSC_101-C_140327A				03/27/14 12:03
Conductivity @ 25 C		102	umhos/cm	5.0	102	90	110			
Lab ID: SC 2ND 1413	Laboratory Control Sample					Run: PHSC_101-C_140327A				03/27/14 12:15
Conductivity @ 25 C		1370	umhos/cm	5.0	96	90	110			
Lab ID: MBLK	Method Blank					Run: PHSC_101-C_140327A				03/27/14 12:28
Conductivity @ 25 C		2	umhos/cm	0.8						
Lab ID: C14030772-002ADUP	Sample Duplicate					Run: PHSC_101-C_140327A				03/27/14 13:05
Conductivity @ 25 C		624	umhos/cm	5.0				0.0	10	
Lab ID: C14030772-011ADUP	Sample Duplicate					Run: PHSC_101-C_140327A				03/27/14 13:35
Conductivity @ 25 C		805	umhos/cm	5.0				0.2	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS140327A	
Lab ID: MB-1_140327A		Method Blank				Run: BAL-19_140327A			03/27/14 14:52	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	7						
Lab ID: LCS-2_140327A		Laboratory Control Sample				Run: BAL-19_140327A			03/27/14 14:52	
Solids, Total Dissolved TDS @ 180 C		2040	mg/L	20	102	90	110			
Lab ID: C14030750-005A MS		Sample Matrix Spike				Run: BAL-19_140327A			03/27/14 15:03	
Solids, Total Dissolved TDS @ 180 C		8130	mg/L	40	101	90	110			
Lab ID: C14030772-008A DUP		Sample Duplicate				Run: BAL-19_140327A			03/27/14 15:05	
Solids, Total Dissolved TDS @ 180 C		428	mg/L	10				0.3	5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C									Analytical Run: MANTECH_140327A	
Lab ID: CCV-7644	Continuing Calibration Verification Standard								03/27/14 11:22	
Fluoride		1.00	mg/L	0.10	100	90	110			
Lab ID: CCV-7644	Continuing Calibration Verification Standard								03/27/14 12:01	
Fluoride		1.00	mg/L	0.10	100	90	110			
Method: A4500-F C									Batch: R184863	
Lab ID: MBLK	Method Blank					Run: MANTECH_140327A			03/27/14 10:42	
Fluoride		0.02	mg/L	0.01						
Lab ID: LCS-7897	Laboratory Control Sample					Run: MANTECH_140327A			03/27/14 10:44	
Fluoride		1.89	mg/L	0.10	94	90	110			
Lab ID: C14030772-004AMS	Sample Matrix Spike					Run: MANTECH_140327A			03/27/14 12:13	
Fluoride		1.89	mg/L	0.10	89	80	120			
Lab ID: C14030772-004AMSD	Sample Matrix Spike Duplicate					Run: MANTECH_140327A			03/27/14 12:16	
Fluoride		1.92	mg/L	0.10	90	80	120	1.6	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/15/14

Project: MU B GL8 **Work Order:** C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_140327A	
Lab ID: pH 6.86	Initial Callbration Verification Standard								03/27/14 12:00	
pH		6.87	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R184859	
Lab ID: C14030772-002ADUP	Sample Duplicate					Run: PHSC_101-C_140327A			03/27/14 13:05	
pH		7.04	s.u.	0.010				0.0	3	
Lab ID: C14030772-011ADUP	Sample Duplicate					Run: PHSC_101-C_140327A			03/27/14 13:35	
pH		7.06	s.u.	0.010				0.1	3	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G									Analytical Run: TECHNICON_140328A	
Lab ID: CCV-38		Continuing Calibration Verification Standard							03/28/14 12:17	
Nitrogen, Ammonia as N		1.00	mg/L	0.050	100	90	110			
Lab ID: CCV-52		Continuing Calibration Verification Standard							03/28/14 12:40	
Nitrogen, Ammonia as N		1.07	mg/L	0.050	107	90	110			
Method: A4500-NH3 G									Batch: R184908	
Lab ID: MBLK-1		Method Blank				Run: TECHNICON_140328A			03/28/14 11:15	
Nitrogen, Ammonia as N		ND	mg/L	0.006						
Lab ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_140328A			03/28/14 11:19	
Nitrogen, Ammonia as N		2.01	mg/L	0.050	103	90	110			
Lab ID: C14030711-005DMS		Sample Matrix Spike				Run: TECHNICON_140328A			03/28/14 12:22	
Nitrogen, Ammonia as N		2.36	mg/L	0.050	98	90	110			
Lab ID: C14030711-005DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140328A			03/28/14 12:24	
Nitrogen, Ammonia as N		2.34	mg/L	0.050	97	90	110	0.9	10	
Lab ID: C14030772-007EMS		Sample Matrix Spike				Run: TECHNICON_140328A			03/28/14 12:45	
Nitrogen, Ammonia as N		2.48	mg/L	0.050	101	90	110			
Lab ID: C14030772-007EMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140328A			03/28/14 12:47	
Nitrogen, Ammonia as N		2.50	mg/L	0.050	102	90	110	0.8	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP4-C_140401A	
Lab ID: ICV	2	Initial Calibration Verification Standard							04/01/14 11:35	
Iron		5.11	mg/L	0.030	102	95	105			
Manganese		4.84	mg/L	0.010	97	95	105			
Lab ID: ICSA	2	Interference Check Sample A							04/01/14 11:49	
Iron		181	mg/L	0.030	91	80	120			
Manganese		-0.0104	mg/L	0.010						
Lab ID: ICSAB	2	Interference Check Sample AB							04/01/14 11:53	
Iron		182	mg/L	0.030	91	80	120			
Manganese		0.439	mg/L	0.010	88	80	120			
Method: E200.7									Batch: 40957	
Lab ID: MB-40957	2	Method Blank				Run: ICP4-C_140401A			04/01/14 16:58	
Iron		0.006	mg/L	0.004						
Manganese		0.0003	mg/L	0.0002						
Lab ID: LCS3-40957	2	Laboratory Control Sample				Run: ICP4-C_140401A			04/01/14 17:01	
Iron		2.47	mg/L	0.030	98	85	115			
Manganese		2.38	mg/L	0.0010	95	85	115			
Lab ID: C14030772-003CMS3	2	Sample Matrix Spike				Run: ICP4-C_140401A			04/01/14 17:55	
Iron		9.30	mg/L	0.030	98	70	130			
Manganese		2.70	mg/L	0.0010	96	70	130			
Lab ID: C14030772-003CMSD	2	Sample Matrix Spike Duplicate				Run: ICP4-C_140401A			04/01/14 17:58	
Iron		9.34	mg/L	0.030	99	70	130	0.5	20	
Manganese		2.71	mg/L	0.0010	96	70	130	0.4	20	
Lab ID: C14030772-013CMS3	2	Sample Matrix Spike				Run: ICP4-C_140401A			04/01/14 18:51	
Iron		8.67	mg/L	0.030	94	70	130			
Manganese		2.61	mg/L	0.0010	95	70	130			
Lab ID: C14030772-013CMSD	2	Sample Matrix Spike Duplicate				Run: ICP4-C_140401A			04/01/14 18:55	
Iron		8.37	mg/L	0.030	82	70	130	3.5	20	
Manganese		2.65	mg/L	0.0010	96	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP4-C_140404B	
Lab ID: ICV	7	Initial Calibration Verification Standard							04/04/14 12:52	
Boron		0.982	mg/L	0.10	98	95	105			
Calcium		50.1	mg/L	0.50	100	95	105			
Iron		4.98	mg/L	0.030	100	95	105			
Magnesium		49.9	mg/L	0.50	100	95	105			
Potassium		49.7	mg/L	0.50	99	95	105			
Silicon		9.85	mg/L	0.10	98	95	105			
Sodium		50.1	mg/L	0.50	100	95	105			
Lab ID: ICSA	7	Interference Check Sample A							04/04/14 13:06	
Boron		0.0146	mg/L	0.10						
Calcium		469	mg/L	0.50	94	80	120			
Iron		180	mg/L	0.030	90	80	120			
Magnesium		495	mg/L	0.50	99	80	120			
Potassium		-0.0245	mg/L	0.50						
Silicon		-0.0410	mg/L	0.10						
Sodium		-0.492	mg/L	0.50						
Lab ID: ICSAB	7	Interference Check Sample AB							04/04/14 13:10	
Boron		0.0180	mg/L	0.10						
Calcium		469	mg/L	0.50	94	80	120			
Iron		180	mg/L	0.030	90	80	120			
Magnesium		496	mg/L	0.50	99	80	120			
Potassium		-0.0128	mg/L	0.50						
Silicon		-0.0445	mg/L	0.10						
Sodium		-0.336	mg/L	0.50						
Method: E200.7										Batch: R185184
Lab ID: MB-140404A	7	Method Blank				Run: ICP4-C_140404B			04/04/14 13:28	
Boron		ND	mg/L	0.002						
Calcium		ND	mg/L	0.02						
Iron		ND	mg/L	0.002						
Magnesium		ND	mg/L	0.02						
Potassium		ND	mg/L	0.04						
Silicon		ND	mg/L	0.01						
Sodium		ND	mg/L	0.2						
Lab ID: LFB-140404A	7	Laboratory Fortified Blank				Run: ICP4-C_140404B			04/04/14 13:31	
Boron		0.937	mg/L	0.10	94	85	115			
Calcium		47.2	mg/L	0.50	94	85	115			
Iron		0.941	mg/L	0.030	94	85	115			
Magnesium		47.0	mg/L	0.50	94	85	115			
Potassium		48.0	mg/L	0.50	96	85	115			
Silicon		0.433	mg/L	0.10	96	85	115			
Sodium		47.3	mg/L	0.50	95	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/15/14

Project: MU B GL8 **Work Order:** C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R185184	
Lab ID: C14030772-004BMS2	7	Sample Matrix Spike				Run: ICP4-C_140404B			04/04/14 16:59	
Boron		1.93	mg/L	0.050	92	70	130			
Calcium		178	mg/L	1.0	93	70	130			
Iron		5.43	mg/L	0.030	91	70	130			
Magnesium		113	mg/L	1.0	95	70	130			
Potassium		102	mg/L	1.0	94	70	130			
Silicon		8.11	mg/L	0.10		70	130			A
Sodium		144	mg/L	1.0	95	70	130			
Lab ID: C14030772-004BMSD	7	Sample Matrix Spike Duplicate				Run: ICP4-C_140404B			04/04/14 17:03	
Boron		1.93	mg/L	0.050	93	70	130	0.3	20	
Calcium		178	mg/L	1.0	94	70	130	0.4	20	
Iron		5.44	mg/L	0.030	92	70	130	0.1	20	
Magnesium		113	mg/L	1.0	95	70	130	0.4	20	
Potassium		102	mg/L	1.0	95	70	130	0.4	20	
Silicon		8.08	mg/L	0.10		70	130	0.4	20	A
Sodium		144	mg/L	1.0	95	70	130	0.3	20	
Lab ID: C14030772-013BMS2	7	Sample Matrix Spike				Run: ICP4-C_140404B			04/04/14 17:53	
Boron		1.91	mg/L	0.050	91	70	130			
Calcium		180	mg/L	1.0	91	70	130			
Iron		3.54	mg/L	0.030	91	70	130			
Magnesium		116	mg/L	1.0	93	70	130			
Potassium		102	mg/L	1.0	93	70	130			
Silicon		5.77	mg/L	0.10		70	130			A
Sodium		155	mg/L	1.0	93	70	130			
Lab ID: C14030772-013BMSD	7	Sample Matrix Spike Duplicate				Run: ICP4-C_140404B			04/04/14 17:56	
Boron		1.94	mg/L	0.050	92	70	130	1.5	20	
Calcium		182	mg/L	1.0	93	70	130	1.2	20	
Iron		3.58	mg/L	0.030	93	70	130	0.9	20	
Magnesium		117	mg/L	1.0	95	70	130	1.1	20	
Potassium		103	mg/L	1.0	94	70	130	1.5	20	
Silicon		5.83	mg/L	0.10		70	130	1.0	20	A
Sodium		156	mg/L	1.0	94	70	130	1.0	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_140401A	
Lab ID: ICV	14	Initial Calibration Verification Standard							04/01/14 13:18	
Aluminum		0.0485	mg/L	0.0010	97	90	110			
Arsenic		0.0482	mg/L	0.0010	96	90	110			
Barium		0.0485	mg/L	0.0010	97	90	110			
Cadmium		0.0481	mg/L	0.0010	96	90	110			
Chromium		0.0488	mg/L	0.0010	98	90	110			
Copper		0.0484	mg/L	0.0010	97	90	110			
Lead		0.0490	mg/L	0.0010	98	90	110			
Manganese		0.0484	mg/L	0.0010	97	90	110			
Molybdenum		0.0502	mg/L	0.0010	100	90	110			
Nickel		0.0482	mg/L	0.0010	96	90	110			
Selenium		0.0469	mg/L	0.0010	94	90	110			
Uranium		0.0500	mg/L	0.00030	100	90	110			
Vanadium		0.0490	mg/L	0.0010	98	90	110			
Zinc		0.0472	mg/L	0.0010	95	90	110			
Method: E200.8									Batch: R185038	
Lab ID: LRB	14	Method Blank				Run: ICPMS2-C_140401A			04/01/14 13:54	
Aluminum		ND	mg/L	0.001						
Arsenic		0.0001	mg/L	0.00010						
Barium		ND	mg/L	3E-05						
Cadmium		ND	mg/L	2E-05						
Chromium		8E-05	mg/L	6E-05						
Copper		ND	mg/L	0.0001						
Lead		ND	mg/L	3E-05						
Manganese		5E-05	mg/L	2E-05						
Molybdenum		ND	mg/L	4E-05						
Nickel		ND	mg/L	3E-05						
Selenium		ND	mg/L	0.0002						
Uranium		ND	mg/L	1E-05						
Vanadium		ND	mg/L	3E-05						
Zinc		0.002	mg/L	0.0006						
Lab ID: LFB	14	Laboratory Fortified Blank				Run: ICPMS2-C_140401A			04/01/14 13:57	
Aluminum		0.0504	mg/L	0.0010	101	85	115			
Arsenic		0.0495	mg/L	0.0010	99	85	115			
Barium		0.0494	mg/L	0.0010	99	85	115			
Cadmium		0.0502	mg/L	0.0010	100	85	115			
Chromium		0.0513	mg/L	0.0010	103	85	115			
Copper		0.0509	mg/L	0.0010	102	85	115			
Lead		0.0496	mg/L	0.0010	99	85	115			
Manganese		0.0514	mg/L	0.0010	103	85	115			
Molybdenum		0.0522	mg/L	0.0010	104	85	115			
Nickel		0.0510	mg/L	0.0010	102	85	115			
Selenium		0.0489	mg/L	0.0010	98	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/15/14

Project: MU B GL8 **Work Order:** C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R185038	
Lab ID: LFB	14	Laboratory Fortified Blank				Run: ICPMS2-C_140401A			04/01/14 13:57	
Uranium		0.0508	mg/L	0.00030	102	85	115			
Vanadium		0.0509	mg/L	0.0010	102	85	115			
Zinc		0.0531	mg/L	0.0010	103	85	115			
Lab ID: C14030772-003BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_140401A			04/01/14 19:16	
Aluminum		0.0494	mg/L	0.030	99	70	130			
Arsenic		0.106	mg/L	0.0010	106	70	130			
Barium		0.0829	mg/L	0.050	105	70	130			
Cadmium		0.0495	mg/L	0.0010	99	70	130			
Chromium		0.0515	mg/L	0.0050	99	70	130			
Copper		0.0471	mg/L	0.0050	93	70	130			
Lead		0.0521	mg/L	0.0010	103	70	130			
Manganese		0.342	mg/L	0.0010		70	130			A
Molybdenum		0.0533	mg/L	0.0010	105	70	130			
Nickel		0.0504	mg/L	0.0050	95	70	130			
Selenium		0.0628	mg/L	0.0010	104	70	130			
Uranium		5.75	mg/L	0.00030		70	130			A
Vanadium		0.0534	mg/L	0.010	103	70	130			
Zinc		0.0500	mg/L	0.010	96	70	130			
Lab ID: C14030772-003BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_140401A			04/01/14 19:19	
Aluminum		0.0499	mg/L	0.030	100	70	130	1.1	20	
Arsenic		0.107	mg/L	0.0010	110	70	130	1.6	20	
Barium		0.0831	mg/L	0.050	105	70	130	0.3	20	
Cadmium		0.0495	mg/L	0.0010	99	70	130	0.0	20	
Chromium		0.0518	mg/L	0.0050	100	70	130	0.6	20	
Copper		0.0473	mg/L	0.0050	94	70	130	0.4	20	
Lead		0.0525	mg/L	0.0010	104	70	130	0.8	20	
Manganese		0.340	mg/L	0.0010		70	130	0.6	20	A
Molybdenum		0.0538	mg/L	0.0010	106	70	130	1.0	20	
Nickel		0.0510	mg/L	0.0050	96	70	130	1.2	20	
Selenium		0.0635	mg/L	0.0010	105	70	130	1.2	20	
Uranium		5.77	mg/L	0.00030		70	130	0.2	20	A
Vanadium		0.0537	mg/L	0.010	104	70	130	0.6	20	
Zinc		0.0501	mg/L	0.010	96	70	130	0.4	20	
Lab ID: C14030820-001BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_140401A			04/01/14 20:20	
Aluminum		0.0505	mg/L	0.030	101	70	130			
Arsenic		0.0659	mg/L	0.0010	111	70	130			
Barium		0.140	mg/L	0.050	105	70	130			
Cadmium		0.0505	mg/L	0.0010	101	70	130			
Chromium		0.0550	mg/L	0.0050	101	70	130			
Copper		0.0493	mg/L	0.0050	98	70	130			
Lead		0.0533	mg/L	0.0010	107	70	130			
Manganese		0.331	mg/L	0.0010		70	130			A

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R185038	
Lab ID: C14030820-001BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_140401A			04/01/14 20:20	
Molybdenum		0.0542	mg/L	0.0010	107	70	130			
Nickel		0.0532	mg/L	0.0050	100	70	130			
Selenium		0.113	mg/L	0.0010	108	70	130			
Uranium		3.60	mg/L	0.00030		70	130			A
Vanadium		0.0598	mg/L	0.010	105	70	130			
Zinc		0.0540	mg/L	0.010	100	70	130			
Lab ID: C14030820-001BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_140401A			04/01/14 20:24	
Aluminum		0.0509	mg/L	0.030	102	70	130	0.9	20	
Arsenic		0.0665	mg/L	0.0010	112	70	130	0.8	20	
Barium		0.142	mg/L	0.050	108	70	130	1.1	20	
Cadmium		0.0512	mg/L	0.0010	102	70	130	1.4	20	
Chromium		0.0552	mg/L	0.0050	101	70	130	0.4	20	
Copper		0.0496	mg/L	0.0050	98	70	130	0.6	20	
Lead		0.0537	mg/L	0.0010	107	70	130	0.7	20	
Manganese		0.332	mg/L	0.0010		70	130	0.3	20	A
Molybdenum		0.0551	mg/L	0.0010	109	70	130	1.6	20	
Nickel		0.0538	mg/L	0.0050	101	70	130	1.1	20	
Selenium		0.112	mg/L	0.0010	107	70	130	0.4	20	
Uranium		3.65	mg/L	0.00030		70	130	1.4	20	A
Vanadium		0.0606	mg/L	0.010	107	70	130	1.3	20	
Zinc		0.0542	mg/L	0.010	100	70	130	0.4	20	
Method: E200.8									Analytical Run: ICPMS4-C_140409B	
Lab ID: ICV		Initial Calibration Verification Standard							04/09/14 13:08	
Mercury		0.00495	mg/L	0.0010	99	90	110			
Method: E200.8									Batch: R185351	
Lab ID: LRB		Method Blank				Run: ICPMS4-C_140409B			04/09/14 14:03	
Mercury		ND	mg/L	5E-05						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS4-C_140409B			04/09/14 14:07	
Mercury		0.00513	mg/L	0.0010	103	85	115			
Lab ID: C14030772-006BMS4		Sample Matrix Spike				Run: ICPMS4-C_140409B			04/10/14 12:30	
Mercury		0.00513	mg/L	0.00010	103	70	130			
Lab ID: C14030772-006BMSD		Sample Matrix Spike Duplicate				Run: ICPMS4-C_140409B			04/10/14 12:55	
Mercury		0.00510	mg/L	0.00010	102	70	130	0.5	20	
Lab ID: C14030772-013BMS4		Sample Matrix Spike				Run: ICPMS4-C_140409B			04/10/14 13:56	
Mercury		0.00481	mg/L	0.00010	96	70	130			
Lab ID: C14030772-013BMSD		Sample Matrix Spike Duplicate				Run: ICPMS4-C_140409B			04/10/14 14:00	
Mercury		0.00486	mg/L	0.00010	97	70	130	0.9	20	

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	**E300.0**									Analytical Run: IC2-C_140327A	
Lab ID:	**CCV-032714-03**	2	Continuing Calibration Verification Standard							03/27/14 19:09	
Chloride			9.73	mg/L	1.0	97	90	110			
Sulfate			39.6	mg/L	1.0	99	90	110			
Lab ID:	**CCV-032714-04**	2	Continuing Calibration Verification Standard							03/27/14 23:13	
Chloride			9.69	mg/L	1.0	97	90	110			
Sulfate			39.4	mg/L	1.0	99	90	110			
Method:	**E300.0**									Batch: R184884	
Lab ID:	**ICB**	2	Method Blank				Run: IC2-C_140327A			03/27/14 10:43	
Chloride			ND	mg/L	0.04						
Sulfate			0.07	mg/L	0.04						
Lab ID:	**LFB-032714-01**	2	Laboratory Fortified Blank				Run: IC2-C_140327A			03/27/14 11:01	
Chloride			10.4	mg/L	1.0	104	90	110			
Sulfate			43.0	mg/L	1.0	107	90	110			
Lab ID:	**C14030772-001AMS**	2	Sample Matrix Spike				Run: IC2-C_140327A			03/27/14 20:01	
Chloride			26.9	mg/L	1.0	98	90	110			
Sulfate			164	mg/L	1.0	99	90	110			
Lab ID:	**C14030772-001AMSD**	2	Sample Matrix Spike Duplicate				Run: IC2-C_140327A			03/27/14 20:18	
Chloride			27.0	mg/L	1.0	99	90	110	0.2	20	
Sulfate			163	mg/L	1.0	99	90	110	0.1	20	

Qualifiers:

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MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8

Report Date: 04/15/14
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: TECHNICON_140401A	
Lab ID: CCV-16		Continuing Calibration Verification Standard							04/01/14 13:51	
Nitrogen, Nitrate+Nitrite as N		1.04	mg/L	0.10	104	90	110			
Lab ID: CCV-30		Continuing Calibration Verification Standard							04/01/14 14:26	
Nitrogen, Nitrate+Nitrite as N		1.07	mg/L	0.10	107	90	110			
Method: E353.2									Batch: R185012	
Lab ID: MBLK-1		Method Blank				Run: TECHNICON_140401A			04/01/14 13:13	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.05						
Lab ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_140401A			04/01/14 13:18	
Nitrogen, Nitrate+Nitrite as N		1.94	mg/L	0.10	99	90	110			
Lab ID: C14030772-002EMS		Sample Matrix Spike				Run: TECHNICON_140401A			04/01/14 13:58	
Nitrogen, Nitrate+Nitrite as N		2.09	mg/L	0.10	107	90	110			
Lab ID: C14030772-002EMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140401A			04/01/14 14:01	
Nitrogen, Nitrate+Nitrite as N		2.07	mg/L	0.10	106	90	110	1.0	10	
Lab ID: C14030772-012EMS		Sample Matrix Spike				Run: TECHNICON_140401A			04/01/14 14:33	
Nitrogen, Nitrate+Nitrite as N		1.85	mg/L	0.10	94	90	110			
Lab ID: C14030772-012EMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140401A			04/01/14 14:36	
Nitrogen, Nitrate+Nitrite as N		1.87	mg/L	0.10	95	90	110	1.1	10	

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8

Report Date: 04/15/14
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: GrAB-1712	
Lab ID: Th230-GrAB-1712		Laboratory Control Sample				Run: TENNELEC-3_140402B			04/04/14 12:00	
Gross Alpha		130	pCi/L		114	80	120			
Lab ID: Sr90-GrAB-1712		Laboratory Control Sample				Run: TENNELEC-3_140402B			04/04/14 12:00	
Gross Beta		165	pCi/L		93	80	120			
Lab ID: MB-GrAB-1712	6	Method Blank				Run: TENNELEC-3_140402B			04/04/14 12:00	
Gross Alpha		2	pCi/L							
Gross Alpha precision (±)		0.9	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		-0.3	pCi/L							U
Gross Beta precision (±)		2	pCi/L							
Gross Beta MDC		3	pCi/L							
Lab ID: C14030772-001DDUP	6	Sample Duplicate				Run: TENNELEC-3_140402B			04/04/14 12:00	
Gross Alpha		1110	pCi/L					12	12.9	
Gross Alpha precision (±)		15.5	pCi/L							
Gross Alpha MDC		1.87	pCi/L							
Gross Beta		231	pCi/L					0.6	14.8	
Gross Beta precision (±)		5.58	pCi/L							
Gross Beta MDC		3.14	pCi/L							
Lab ID: C14030772-012DMS		Sample Matrix Spike				Run: TENNELEC-3_140402B			04/04/14 19:11	
Gross Alpha		1360	pCi/L		82	70	130			
Lab ID: C14030772-012DMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_140402B			04/04/14 19:11	
Gross Alpha		1370	pCi/L		83	70	130	0.0	12.7	
Lab ID: C14030772-012DMS		Sample Matrix Spike				Run: TENNELEC-3_140402B			04/04/14 19:11	
Gross Beta		505	pCi/L		111	70	130			
Lab ID: C14030772-012DMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_140402B			04/04/14 19:11	
Gross Beta		499	pCi/L		108	70	130	1.0	13	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA226-7118	
Lab ID: C14030712-001IMS		Sample Matrix Spike				Run: G542M_140328B			04/07/14 10:28	
Radium 226		25	pCi/L		109	70	130			
Lab ID: C14030712-001IMSD		Sample Matrix Spike Duplicate				Run: G542M_140328B			04/07/14 10:28	
Radium 226		25	pCi/L		111	70	130	3.0	21.2	
Lab ID: MB-RA226-7118	3	Method Blank				Run: G542M_140328B			04/07/14 12:02	
Radium 226		0.3	pCi/L							
Radium 226 precision (±)		0.2	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: LCS-RA226-7118		Laboratory Control Sample				Run: G542M_140328B			04/07/14 12:02	
Radium 226		13	pCi/L		116	80	120			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/15/14
Project: MU B GL8
Work Order: C14030772

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-4630	
Lab ID: LCS-228-RA226-7118		Laboratory Control Sample				Run: TENNELEC-3_140328C			04/02/14 10:06	
Radium 228		7.4	pCi/L		93	80	120			
Lab ID: MB-RA226-7118	3	Method Blank				Run: TENNELEC-3_140328C			04/02/14 10:06	
Radium 228		0.7	pCi/L							U
Radium 228 precision (±)		0.8	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C14030759-002FMS		Sample Matrix Spike				Run: TENNELEC-3_140328C			04/02/14 10:06	
Radium 228		15	pCi/L		100	70	130			
Lab ID: C14030759-002FMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_140328C			04/02/14 10:06	
Radium 228		14	pCi/L		93	70	130	7.0	41.4	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Workorder Receipt Checklist

Power Resources dba Cameco Resources C14030772

Login completed by: Tessa Parke
Date Received: 3/26/2014
Reviewed by: BL2000\khelm
Received by: dcq
Reviewed Date: 3/28/2014
Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	3.6°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Conoco Resources	Project Name, PWS, Permit, Etc.: MU B GL8	Sample Origin State: WY	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address (Required): PO Box 1210 Glenrock WY 82637 ☐ No Hard Copy Email:	Contact Name: Larry Wilbanks Phone/Fax: 307 237-2128 x336 Cell:		Sampler: (Please Print) K Amos
Invoice Address (Required): ☐ No Hard Copy Email:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:
☐ DW ☐ EDD/EDT (Electronic Data) Format:
☐ POTW/WWTP ☐ LEVEL IV
☒ State: WY ☐ NELAC
☐ Other:

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Filtered & preserved in field

Shipped by: Hand
Cooler ID(s): Various
Receipt Temp: 3.1 °C
On Ice: (Y) N
Custody Seal: On Bottle Y (N) On Cooler Y (N)
Intact Y (N)
Signature Match Y (N)

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	C 3984	SEE ATTACHED
1	Bmp-011	3-25-14	655	GW	X	
2	Bmp-013	"	619	"	"	
3	Bmp-014	"	720	"	"	
4	Bmp-015	"	746	"	"	
5	Bmp-016	"	815	"	"	
6	Bmp-023	"	952	"	"	
7	Bmp-024	"	1015	"	"	
8	Bmp-025	"	1099	"	"	
9	Bmp-026	"	1128	"	"	
10						

LABORATORY USE ONLY (C1403077)

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
1	Kath Amos	3-26-14 700	Kath Amos	Ken Carlotte	3/26/14 1530	
2	Ken Carlotte	3/26/14 1648				

Sample Disposal: Return to Client: Lab Disposal:

Received by Laboratory: Date/Time: 3/26/14 1630 Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Cameco Resources	Project Name, PWS, Permit, Etc.: MU B GL8	Sample Origin State: WY	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address (Required): PO Box 1210 Glenrock Wy 82637	Contact Name: Larry Wilbanks Phone/Fax: 307 358 6541 x427	Cell:	Sampler: (Please Print) KAmos
☐ No Hard Copy Email:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Invoice Address (Required):

☐ No Hard Copy Email:

Special Report/Formats:

☐ DW ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format:
☒ State: WY ☐ LEVEL IV
☐ Other: ☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water

ANALYSIS REQUESTED

C-3884

SEE ATTACHED

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Filtered + preserved in field

Shipped by: Hand

Cooler ID(s): Cameco

Receipt Temp: 3.6 °C

On Ice: (Y) N

Custody Seal: On Bottle Y (N) / On Cooler Y (N)

Intact: Y N

Signature Match: Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	C-3884	SEE ATTACHED
1	Bmp-019	3-26-14	763	GW	X	
2	Bmp-027	"	617	"	"	
3	Bmp-028	"	735	"	"	
4	Bmp-031	"	918	"	"	
5						
6						
7						
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): Kathy Amos	Date/Time: 3-26-14 1200	Signature: Kathy Amos	Received by (print): Ken Carbutte	Date/Time: 3/26/14 1530
Relinquished by (print): Ken Carbutte	Date/Time: 3/26/14 1648	Signature: Ken Carbutte	Received by (print):	Date/Time:
Sample Disposal: Return to Client:	Lab Disposal:		Received by Laboratory:	Date/Time: 3/26/14 1650

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

April 11, 2014

Power Resources dba Cameco Resources
PO Box 1210
Glenrock, WY 82637

Work Order: C14030711 Quote ID: C3884 - Restoration - Guideline 8

Project Name: MU B GL8

Energy Laboratories, Inc. Casper WY received the following 6 samples for Power Resources dba Cameco Resources on 3/25/2014 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C14030711-001	BMP-012	03/24/14 15:03	03/25/14	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved Solids, Total Dissolved - Calculated
C14030711-002	BMP-018	03/24/14 13:45	03/25/14	Aqueous	Same As Above
C14030711-003	BMP-020	03/24/14 13:10	03/25/14	Aqueous	Same As Above
C14030711-004	BMP-021	03/24/14 10:58	03/25/14	Aqueous	Same As Above
C14030711-005	BMP-022	03/24/14 11:40	03/25/14	Aqueous	Same As Above
C14030711-006	BMP-029	03/24/14 14:21	03/25/14	Aqueous	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Kathryn Hamre
Report Proofing Specialist

Digitally signed by
Kathy Hamre
Date: 2014.04.11 12:45:54 -06:00

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-001
Client Sample ID: BMP-012

Report Date: 04/11/14
Collection Date: 03/24/14 15:03
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	245	mg/L		1		A2320 B	03/26/14 16:17 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/26/14 16:17 / jba
Bicarbonate as HCO3	299	mg/L		5		A2320 B	03/26/14 16:17 / jba
Calcium	67	mg/L		1		E200.7	04/01/14 14:12 / sf
Chloride	9	mg/L		1		E300.0	03/27/14 11:36 / wc
Fluoride	0.2	mg/L		0.1		A4500-F C	03/27/14 11:30 / jba
Magnesium	14	mg/L		1		E200.7	04/01/14 14:12 / sf
Nitrogen, Ammonia as N	1.61	mg/L		0.05		A4500-NH3 G	03/28/14 12:10 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/26/14 14:46 / lr
Potassium	6	mg/L		1		E200.7	04/01/14 14:12 / sf
Silica	11.3	mg/L		0.2		E200.7	04/01/14 14:12 / sf
Sodium	35	mg/L		1		E200.7	04/01/14 14:12 / sf
Sulfate	65	mg/L		1		E300.0	03/27/14 11:36 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	581	umhos/cm		5		A2510 B	03/26/14 14:58 / alp
pH	7.19	s.u.	H	0.01		A4500-H B	03/26/14 14:58 / alp
Solids, Total Dissolved TDS @ 180 C	346	mg/L	D	10		A2540 C	03/26/14 16:27 / alp
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	03/28/14 02:54 / clm
Arsenic	0.053	mg/L		0.001		E200.8	03/28/14 02:54 / clm
Barium	ND	mg/L		0.1		E200.8	03/28/14 02:54 / clm
Boron	ND	mg/L		0.1		E200.7	04/01/14 14:12 / sf
Cadmium	ND	mg/L		0.005		E200.8	03/28/14 02:54 / clm
Chromium	ND	mg/L		0.05		E200.8	03/28/14 02:54 / clm
Copper	ND	mg/L		0.01		E200.7	04/01/14 14:12 / sf
Iron	3.49	mg/L		0.03		E200.7	04/01/14 14:12 / sf
Lead	ND	mg/L		0.001		E200.8	03/28/14 02:54 / clm
Manganese	0.33	mg/L		0.01		E200.8	03/28/14 02:54 / clm
Mercury	ND	mg/L		0.001		E200.8	03/28/14 02:54 / clm
Molybdenum	ND	mg/L		0.1		E200.8	03/28/14 02:54 / clm
Nickel	ND	mg/L		0.05		E200.7	04/01/14 14:12 / sf
Selenium	0.048	mg/L		0.001		E200.8	04/01/14 18:34 / clm
Uranium	3.70	mg/L		0.0003		E200.8	03/28/14 02:54 / clm
Vanadium	ND	mg/L		0.1		E200.8	03/28/14 02:54 / clm
Zinc	ND	mg/L		0.01		E200.7	04/01/14 14:12 / sf
METALS - TOTAL							
Iron	3.67	mg/L		0.03		E200.7	04/01/14 15:48 / sf
Manganese	0.36	mg/L		0.01		E200.7	04/01/14 15:48 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-001
Client Sample ID: BMP-012

Report Date: 04/11/14
Collection Date: 03/24/14 15:03
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	3460	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Alpha precision (±)	28.3	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Alpha MDC	2.0	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta	838	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta precision (±)	10.1	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta MDC	2.9	pCi/L				E900.0	04/03/14 02:47 / lbb
Radium 226	686	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 precision (±)	6.9	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 MDC	0.35	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 228	2.6	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 precision (±)	1.7	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 MDC	2.6	pCi/L				RA-05	04/02/14 15:13 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.79	%				A1030 E	04/07/14 10:12 / kbh
Anions	6.52	meq/L				A1030 E	04/07/14 10:12 / kbh
Cations	6.29	meq/L				A1030 E	04/07/14 10:12 / kbh
Solids, Total Dissolved Calculated	360	mg/L				A1030 E	04/07/14 10:12 / kbh
TDS Balance (0.80 - 1.20)	0.97					A1030 E	04/07/14 10:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-002
Client Sample ID: BMP-018

Report Date: 04/11/14
Collection Date: 03/24/14 13:45
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	298	mg/L		1		A2320 B	03/26/14 16:25 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/26/14 16:25 / jba
Bicarbonate as HCO3	363	mg/L		5		A2320 B	03/26/14 16:25 / jba
Calcium	102	mg/L		1		E200.7	04/01/14 14:15 / sf
Chloride	23	mg/L		1		E300.0	03/27/14 12:28 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 11:37 / jba
Magnesium	25	mg/L		1		E200.7	04/01/14 14:15 / sf
Nitrogen, Ammonia as N	0.44	mg/L		0.05		A4500-NH3 G	03/28/14 12:12 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/26/14 14:53 / lr
Potassium	8	mg/L		1		E200.7	04/01/14 14:15 / sf
Silica	12.7	mg/L		0.2		E200.7	04/01/14 14:15 / sf
Sodium	73	mg/L		1		E200.7	04/01/14 14:15 / sf
Sulfate	200	mg/L		1		E300.0	03/27/14 12:28 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	961	umhos/cm		5		A2510 B	03/26/14 15:01 / alp
pH	7.11	s.u.	H	0.01		A4500-H B	03/26/14 15:01 / alp
Solids, Total Dissolved TDS @ 180 C	627	mg/L	D	10		A2540 C	03/26/14 16:28 / alp
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	03/28/14 02:57 / clm
Arsenic	0.006	mg/L		0.001		E200.8	03/28/14 02:57 / clm
Barium	ND	mg/L		0.1		E200.8	03/28/14 02:57 / clm
Boron	ND	mg/L		0.1		E200.7	04/01/14 14:15 / sf
Cadmium	ND	mg/L		0.005		E200.8	03/28/14 02:57 / clm
Chromium	ND	mg/L		0.05		E200.8	03/28/14 02:57 / clm
Copper	ND	mg/L		0.01		E200.7	04/01/14 14:15 / sf
Iron	1.69	mg/L		0.03		E200.7	04/01/14 14:15 / sf
Lead	ND	mg/L		0.001		E200.8	03/28/14 02:57 / clm
Manganese	0.20	mg/L		0.01		E200.8	03/28/14 02:57 / clm
Mercury	ND	mg/L		0.001		E200.8	03/28/14 02:57 / clm
Molybdenum	ND	mg/L		0.1		E200.8	03/28/14 02:57 / clm
Nickel	ND	mg/L		0.05		E200.7	04/01/14 14:15 / sf
Selenium	ND	mg/L		0.001		E200.8	04/01/14 18:37 / clm
Uranium	0.536	mg/L		0.0003		E200.8	03/28/14 02:57 / clm
Vanadium	ND	mg/L		0.1		E200.8	03/28/14 02:57 / clm
Zinc	ND	mg/L		0.01		E200.7	04/01/14 14:15 / sf
METALS - TOTAL							
Iron	3.89	mg/L		0.03		E200.7	04/01/14 15:52 / sf
Manganese	0.21	mg/L		0.01		E200.7	04/01/14 15:52 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-002
Client Sample ID: BMP-018

Report Date: 04/11/14
Collection Date: 03/24/14 13:45
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	790	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Alpha precision (±)	16.8	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Alpha MDC	2.8	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta	310	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta precision (±)	6.9	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta MDC	4.0	pCi/L				E900.0	04/03/14 02:48 / lbb
Radium 226	388	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 precision (±)	5.3	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 MDC	0.37	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 228	1	pCi/L	U			RA-05	04/02/14 15:13 / plj
Radium 228 precision (±)	1.7	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 MDC	2.7	pCi/L				RA-05	04/02/14 15:13 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.93	%				A1030 E	04/07/14 10:12 / kbh
Anions	10.8	meq/L				A1030 E	04/07/14 10:12 / kbh
Cations	10.6	meq/L				A1030 E	04/07/14 10:12 / kbh
Solids, Total Dissolved Calculated	630	mg/L				A1030 E	04/07/14 10:12 / kbh
TDS Balance (0.80 - 1.20)	1.00					A1030 E	04/07/14 10:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-003
Client Sample ID: BMP-020

Report Date: 04/11/14
Collection Date: 03/24/14 13:10
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	156	mg/L		1		A2320 B	03/26/14 16:33 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/26/14 16:33 / jba
Bicarbonate as HCO3	191	mg/L		5		A2320 B	03/26/14 16:33 / jba
Calcium	37	mg/L		1		E200.7	04/01/14 14:59 / sf
Chloride	6	mg/L		1		E300.0	03/27/14 12:45 / wc
Fluoride	0.2	mg/L		0.1		A4500-F C	03/27/14 11:40 / jba
Magnesium	6	mg/L		1		E200.7	04/01/14 14:59 / sf
Nitrogen, Ammonia as N	0.27	mg/L		0.05		A4500-NH3 G	03/28/14 12:14 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/26/14 14:56 / lr
Potassium	3	mg/L		1		E200.7	04/01/14 14:59 / sf
Silica	11.2	mg/L		0.2		E200.7	04/01/14 14:59 / sf
Sodium	91	mg/L		1		E200.7	04/01/14 14:59 / sf
Sulfate	148	mg/L		1		E300.0	03/27/14 12:45 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	620	umhos/cm		5		A2510 B	03/26/14 15:04 / alp
pH	7.56	s.u.	H	0.01		A4500-H B	03/26/14 15:04 / alp
Solids, Total Dissolved TDS @ 180 C	392	mg/L	D	10		A2540 C	03/26/14 16:28 / alp
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	03/28/14 03:00 / clm
Arsenic	0.012	mg/L		0.001		E200.8	03/28/14 03:00 / clm
Barium	ND	mg/L		0.1		E200.8	03/28/14 03:00 / clm
Boron	ND	mg/L		0.1		E200.7	04/01/14 14:59 / sf
Cadmium	ND	mg/L		0.005		E200.8	03/28/14 03:00 / clm
Chromium	ND	mg/L		0.05		E200.8	03/28/14 03:00 / clm
Copper	ND	mg/L		0.01		E200.7	04/01/14 14:59 / sf
Iron	0.36	mg/L		0.03		E200.7	04/01/14 14:59 / sf
Lead	ND	mg/L		0.001		E200.8	03/28/14 03:00 / clm
Manganese	0.46	mg/L		0.01		E200.8	03/28/14 03:00 / clm
Mercury	ND	mg/L		0.001		E200.8	03/28/14 03:00 / clm
Molybdenum	ND	mg/L		0.1		E200.8	03/28/14 03:00 / clm
Nickel	ND	mg/L		0.05		E200.7	04/01/14 14:59 / sf
Selenium	ND	mg/L		0.001		E200.8	04/01/14 18:40 / clm
Uranium	0.733	mg/L		0.0003		E200.8	03/28/14 03:00 / clm
Vanadium	ND	mg/L		0.1		E200.8	03/28/14 03:00 / clm
Zinc	ND	mg/L		0.01		E200.7	04/01/14 14:59 / sf
METALS - TOTAL							
Iron	0.44	mg/L		0.03		E200.7	04/01/14 15:56 / sf
Manganese	0.50	mg/L		0.01		E200.7	04/01/14 15:56 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-003
Client Sample ID: BMP-020

Report Date: 04/11/14
Collection Date: 03/24/14 13:10
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1290	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Alpha precision (±)	16.9	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Alpha MDC	1.9	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta	352	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta precision (±)	6.5	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta MDC	3.0	pCi/L				E900.0	04/03/14 02:48 / lbb
Radium 226	258	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 precision (±)	4.4	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 MDC	0.37	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 228	2.8	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 precision (±)	1.8	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 MDC	2.8	pCi/L				RA-05	04/02/14 15:13 / plj
DATA QUALITY							
A/C Balance (± 5)	0.12	%				A1030 E	04/07/14 10:12 / kbh
Anions	6.37	meq/L				A1030 E	04/07/14 10:12 / kbh
Cations	6.39	meq/L				A1030 E	04/07/14 10:12 / kbh
Solids, Total Dissolved Calculated	400	mg/L				A1030 E	04/07/14 10:12 / kbh
TDS Balance (0.80 - 1.20)	0.98					A1030 E	04/07/14 10:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-004
Client Sample ID: BMP-021

Report Date: 04/11/14
Collection Date: 03/24/14 10:58
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	312	mg/L		1		A2320 B	03/26/14 16:41 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/26/14 16:41 / jba
Bicarbonate as HCO3	380	mg/L		5		A2320 B	03/26/14 16:41 / jba
Calcium	79	mg/L		1		E200.7	04/01/14 15:02 / sf
Chloride	21	mg/L		1		E300.0	03/27/14 13:03 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 11:43 / jba
Magnesium	13	mg/L		1		E200.7	04/01/14 15:02 / sf
Nitrogen, Ammonia as N	0.27	mg/L		0.05		A4500-NH3 G	03/28/14 12:15 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/26/14 14:58 / lr
Potassium	7	mg/L		1		E200.7	04/01/14 15:02 / sf
Silica	13.6	mg/L		0.2		E200.7	04/01/14 15:02 / sf
Sodium	93	mg/L		1		E200.7	04/01/14 15:02 / sf
Sulfate	118	mg/L		1		E300.0	03/27/14 13:03 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	814	umhos/cm		5		A2510 B	03/26/14 15:10 / alp
pH	7.09	s.u.	H	0.01		A4500-H B	03/26/14 15:10 / alp
Solids, Total Dissolved TDS @ 180 C	515	mg/L		10		A2540 C	03/26/14 16:28 / alp
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	03/28/14 03:04 / clm
Arsenic	0.151	mg/L		0.001		E200.8	03/28/14 03:04 / clm
Barium	ND	mg/L		0.1		E200.8	03/28/14 03:04 / clm
Boron	ND	mg/L		0.1		E200.7	04/01/14 15:02 / sf
Cadmium	ND	mg/L		0.005		E200.8	03/28/14 03:04 / clm
Chromium	ND	mg/L		0.05		E200.8	03/28/14 03:04 / clm
Copper	ND	mg/L		0.01		E200.7	04/01/14 15:02 / sf
Iron	1.62	mg/L		0.03		E200.7	04/01/14 15:02 / sf
Lead	ND	mg/L		0.001		E200.8	03/28/14 03:04 / clm
Manganese	0.37	mg/L		0.01		E200.8	03/28/14 03:04 / clm
Mercury	ND	mg/L		0.001		E200.8	03/28/14 03:04 / clm
Molybdenum	ND	mg/L		0.1		E200.8	03/28/14 03:04 / clm
Nickel	ND	mg/L		0.05		E200.7	04/01/14 15:02 / sf
Selenium	ND	mg/L		0.001		E200.8	04/01/14 18:43 / clm
Uranium	2.32	mg/L		0.0003		E200.8	03/28/14 03:04 / clm
Vanadium	ND	mg/L		0.1		E200.8	03/28/14 03:04 / clm
Zinc	ND	mg/L		0.01		E200.7	04/01/14 15:02 / sf
METALS - TOTAL							
Iron	3.74	mg/L		0.03		E200.7	04/01/14 15:59 / sf
Manganese	0.43	mg/L		0.01		E200.7	04/01/14 15:59 / sf

Report Definitions:
RL - Analyte reporting limit.
MCL - Maximum contaminant level.
QCL - Quality control limit.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-004
Client Sample ID: BMP-021

Report Date: 04/11/14
Collection Date: 03/24/14 10:58
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2750	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Alpha precision (±)	29.8	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Alpha MDC	2.3	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta	937	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta precision (±)	11.0	pCi/L				E900.0	04/03/14 02:48 / lbb
Gross Beta MDC	3.6	pCi/L				E900.0	04/03/14 02:48 / lbb
Radium 226	776	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 precision (±)	7.7	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 MDC	0.38	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 228	5.3	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 precision (±)	1.9	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 MDC	2.8	pCi/L				RA-05	04/02/14 15:13 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.08	%				A1030 E	04/07/14 10:12 / kbh
Anions	9.27	meq/L				A1030 E	04/07/14 10:12 / kbh
Cations	9.26	meq/L				A1030 E	04/07/14 10:12 / kbh
Solids, Total Dissolved Calculated	540	mg/L				A1030 E	04/07/14 10:12 / kbh
TDS Balance (0.80 - 1.20)	0.96					A1030 E	04/07/14 10:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-005
Client Sample ID: BMP-022

Report Date: 04/11/14
Collection Date: 03/24/14 11:40
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	380	mg/L		1		A2320 B	03/26/14 16:49 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/26/14 16:49 / jba
Bicarbonate as HCO3	464	mg/L		5		A2320 B	03/26/14 16:49 / jba
Calcium	102	mg/L		1		E200.7	04/01/14 15:06 / sf
Chloride	16	mg/L		1		E300.0	03/27/14 13:20 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 11:45 / jba
Magnesium	23	mg/L		1		E200.7	04/01/14 15:06 / sf
Nitrogen, Ammonia as N	0.45	mg/L		0.05		A4500-NH3 G	03/28/14 12:20 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/26/14 15:01 / lr
Potassium	7	mg/L		1		E200.7	04/01/14 15:06 / sf
Silica	19.2	mg/L		0.2		E200.7	04/01/14 15:06 / sf
Sodium	30	mg/L		1		E200.7	04/01/14 15:06 / sf
Sulfate	33	mg/L		1		E300.0	03/27/14 13:20 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	779	umhos/cm		5		A2510 B	03/26/14 15:14 / alp
pH	6.65	s.u.	H	0.01		A4500-H B	03/26/14 15:14 / alp
Solids, Total Dissolved TDS @ 180 C	456	mg/L		10		A2540 C	03/26/14 16:28 / alp
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	03/28/14 03:07 / clm
Arsenic	0.204	mg/L		0.001		E200.8	03/28/14 03:07 / clm
Barium	0.1	mg/L		0.1		E200.8	03/28/14 03:07 / clm
Boron	ND	mg/L		0.1		E200.7	04/01/14 15:06 / sf
Cadmium	ND	mg/L		0.005		E200.8	03/28/14 03:07 / clm
Chromium	ND	mg/L		0.05		E200.8	03/28/14 03:07 / clm
Copper	ND	mg/L		0.01		E200.7	04/01/14 15:06 / sf
Iron	12.0	mg/L		0.03		E200.7	04/01/14 15:06 / sf
Lead	ND	mg/L		0.001		E200.8	03/28/14 03:07 / clm
Manganese	0.56	mg/L		0.01		E200.8	03/28/14 03:07 / clm
Mercury	ND	mg/L		0.001		E200.8	03/28/14 03:07 / clm
Molybdenum	ND	mg/L		0.1		E200.8	03/28/14 03:07 / clm
Nickel	ND	mg/L		0.05		E200.7	04/01/14 15:06 / sf
Selenium	ND	mg/L		0.001		E200.8	04/01/14 18:47 / clm
Uranium	0.659	mg/L		0.0003		E200.8	03/28/14 03:07 / clm
Vanadium	ND	mg/L		0.1		E200.8	03/28/14 03:07 / clm
Zinc	ND	mg/L		0.01		E200.7	04/01/14 15:06 / sf
METALS - TOTAL							
Iron	13.0	mg/L		0.03		E200.7	04/01/14 16:10 / sf
Manganese	0.62	mg/L		0.01		E200.7	04/01/14 16:10 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-005
Client Sample ID: BMP-022

Report Date: 04/11/14
Collection Date: 03/24/14 11:40
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2510	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Alpha precision (±)	27.2	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Alpha MDC	3.7	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta	502	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta precision (±)	10.0	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta MDC	4.3	pCi/L				E900.0	04/03/14 02:47 / lbb
Radium 226	997	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 precision (±)	8.4	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 MDC	0.36	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 228	6.1	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 precision (±)	1.9	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 MDC	2.7	pCi/L				RA-05	04/02/14 15:13 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.59	%				A1030 E	04/07/14 10:12 / kbh
Anions	8.74	meq/L				A1030 E	04/07/14 10:12 / kbh
Cations	8.47	meq/L				A1030 E	04/07/14 10:12 / kbh
Solids, Total Dissolved Calculated	460	mg/L				A1030 E	04/07/14 10:12 / kbh
TDS Balance (0.80 - 1.20)	0.98					A1030 E	04/07/14 10:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-006
Client Sample ID: BMP-029

Report Date: 04/11/14
Collection Date: 03/24/14 14:21
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	344	mg/L		1		A2320 B	03/26/14 16:57 / jba
Carbonate as CO3	ND	mg/L		5		A2320 B	03/26/14 16:57 / jba
Bicarbonate as HCO3	419	mg/L		5		A2320 B	03/26/14 16:57 / jba
Calcium	94	mg/L		1		E200.7	04/01/14 15:09 / sf
Chloride	17	mg/L		1		E300.0	03/27/14 13:38 / wc
Fluoride	0.1	mg/L		0.1		A4500-F C	03/27/14 11:48 / jba
Magnesium	20	mg/L		1		E200.7	04/01/14 15:09 / sf
Nitrogen, Ammonia as N	0.21	mg/L		0.05		A4500-NH3 G	03/28/14 12:25 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/26/14 15:03 / lr
Potassium	7	mg/L		1		E200.7	04/01/14 15:09 / sf
Silica	18.4	mg/L		0.2		E200.7	04/01/14 15:09 / sf
Sodium	49	mg/L		1		E200.7	04/01/14 15:09 / sf
Sulfate	74	mg/L		1		E300.0	03/27/14 13:38 / wc
PHYSICAL PROPERTIES							
Conductivity @ 25 C	771	umhos/cm		5		A2510 B	03/26/14 15:17 / alp
pH	7.10	s.u.	H	0.01		A4500-H B	03/26/14 15:17 / alp
Solids, Total Dissolved TDS @ 180 C	476	mg/L	D	10		A2540 C	03/26/14 16:28 / alp
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	03/28/14 03:10 / clm
Arsenic	0.020	mg/L		0.001		E200.8	03/28/14 03:10 / clm
Barium	ND	mg/L		0.1		E200.8	03/28/14 03:10 / clm
Boron	ND	mg/L		0.1		E200.7	04/01/14 15:09 / sf
Cadmium	ND	mg/L		0.005		E200.8	03/28/14 03:10 / clm
Chromium	ND	mg/L		0.05		E200.8	03/28/14 03:10 / clm
Copper	ND	mg/L		0.01		E200.7	04/01/14 15:09 / sf
Iron	1.61	mg/L		0.03		E200.7	04/01/14 15:09 / sf
Lead	ND	mg/L		0.001		E200.8	03/28/14 03:10 / clm
Manganese	0.31	mg/L		0.01		E200.8	03/28/14 03:10 / clm
Mercury	ND	mg/L		0.001		E200.8	03/28/14 03:10 / clm
Molybdenum	ND	mg/L		0.1		E200.8	03/28/14 03:10 / clm
Nickel	ND	mg/L		0.05		E200.7	04/01/14 15:09 / sf
Selenium	0.031	mg/L		0.001		E200.8	04/01/14 19:00 / clm
Uranium	4.89	mg/L		0.0003		E200.8	03/28/14 03:10 / clm
Vanadium	ND	mg/L		0.1		E200.8	03/28/14 03:10 / clm
Zinc	ND	mg/L		0.01		E200.7	04/01/14 15:09 / sf
METALS - TOTAL							
Iron	1.76	mg/L		0.03		E200.7	04/01/14 16:13 / sf
Manganese	0.34	mg/L		0.01		E200.7	04/01/14 16:13 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8
Lab ID: C14030711-006
Client Sample ID: BMP-029

Report Date: 04/11/14
Collection Date: 03/24/14 14:21
DateReceived: 03/25/14
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	4030	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Alpha precision (±)	35.3	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Alpha MDC	2.2	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta	984	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta precision (±)	12.0	pCi/L				E900.0	04/03/14 02:47 / lbb
Gross Beta MDC	4.1	pCi/L				E900.0	04/03/14 02:47 / lbb
Radium 226	411	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 precision (±)	5.4	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 226 MDC	0.35	pCi/L				E903.0	04/07/14 07:03 / lmc
Radium 228	2.0	pCi/L	U			RA-05	04/02/14 15:13 / plj
Radium 228 precision (±)	1.7	pCi/L				RA-05	04/02/14 15:13 / plj
Radium 228 MDC	2.6	pCi/L				RA-05	04/02/14 15:13 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.29	%				A1030 E	04/07/14 10:13 / kbh
Anions	8.89	meq/L				A1030 E	04/07/14 10:13 / kbh
Cations	8.67	meq/L				A1030 E	04/07/14 10:13 / kbh
Solids, Total Dissolved Calculated	490	mg/L				A1030 E	04/07/14 10:13 / kbh
TDS Balance (0.80 - 1.20)	0.97					A1030 E	04/07/14 10:13 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R184838
Lab ID: MBLK	3	Method Blank				Run: MANTECH_140326A			03/26/14 13:51	
Alkalinity, Total as CaCO3		0.6	mg/L	0.6						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		ND	mg/L	1						
Lab ID: LCS_131219		Laboratory Control Sample				Run: MANTECH_140326A			03/26/14 14:04	
Alkalinity, Total as CaCO3		260	mg/L	5.0	104	90	110			
Lab ID: C14030664-001ADUP	3	Sample Duplicate				Run: MANTECH_140326A			03/26/14 14:20	
Alkalinity, Total as CaCO3		162	mg/L	5.0				0.6	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		198	mg/L	5.0				0.6	10	
Lab ID: C14030664-002AMS		Sample Matrix Spike				Run: MANTECH_140326A			03/26/14 14:42	
Alkalinity, Total as CaCO3		519	mg/L	5.0	109	80	120			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8

Report Date: 04/11/14
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B										Batch: R184806
Lab ID: SC 100	Initial Calibration Verification Standard					Run: PHSC_101-C_140326A				03/26/14 08:36
Conductivity @ 25 C		102	umhos/cm	5.0	102	90	110			
Lab ID: SC 2ND 1413	Laboratory Control Sample					Run: PHSC_101-C_140326A				03/26/14 08:48
Conductivity @ 25 C		1360	umhos/cm	5.0	97	90	110			
Lab ID: MBLK	Method Blank					Run: PHSC_101-C_140326A				03/26/14 14:31
Conductivity @ 25 C		2	umhos/cm	0.8						
Lab ID: C14030711-003ADUP	Sample Duplicate					Run: PHSC_101-C_140326A				03/26/14 15:07
Conductivity @ 25 C		619	umhos/cm	5.0				0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS140326A	
Lab ID: MB-1_140326A		Method Blank				Run: BAL-19_140326A			03/26/14 16:24	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	7						
Lab ID: LCS-2_140326A		Laboratory Control Sample				Run: BAL-19_140326A			03/26/14 16:25	
Solids, Total Dissolved TDS @ 180 C		1940	mg/L	20	97	90	110			
Lab ID: C14030691-001A MS		Sample Matrix Spike				Run: BAL-19_140326A			03/26/14 16:25	
Solids, Total Dissolved TDS @ 180 C		1330	mg/L	11	99	90	110			
Lab ID: C14030711-002A DUP		Sample Duplicate				Run: BAL-19_140326A			03/26/14 16:28	
Solids, Total Dissolved TDS @ 180 C		635	mg/L	10				1.3	5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C									Analytical Run: MANTECH_140327A	
Lab ID: CCV-7644	Continuing Calibration Verification Standard								03/27/14 11:22	
Fluoride		1.00	mg/L	0.10	100	90	110			
Method: A4500-F C									Batch: R184863	
Lab ID: MBLK	Method Blank					Run: MANTECH_140327A			03/27/14 10:42	
Fluoride		0.02	mg/L	0.01						
Lab ID: LCS-7897	Laboratory Control Sample					Run: MANTECH_140327A			03/27/14 10:44	
Fluoride		1.89	mg/L	0.10	94	90	110			
Lab ID: C14030711-001AMS	Sample Matrix Spike					Run: MANTECH_140327A			03/27/14 11:32	
Fluoride		2.00	mg/L	0.10	92	80	120			
Lab ID: C14030711-001AMSD	Sample Matrix Spike Duplicate					Run: MANTECH_140327A			03/27/14 11:35	
Fluoride		2.00	mg/L	0.10	92	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_140326A	
Lab ID: pH 6.86	Initial Calibration Verification Standard								03/26/14 08:33	
pH		6.87	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R184806	
Lab ID: C14030711-003ADUP	Sample Duplicate					Run: PHSC_101-C_140326A			03/26/14 15:07	
pH		7.56	s.u.	0.010				0.0	3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G									Analytical Run: TECHNICON_140328A	
Lab ID: CCV-24		Continuing Calibration Verification Standard							03/28/14 11:54	
Nitrogen, Ammonia as N		1.05	mg/L	0.050	105	90	110			
Lab ID: CCV-38		Continuing Calibration Verification Standard							03/28/14 12:17	
Nitrogen, Ammonia as N		1.00	mg/L	0.050	100	90	110			
Method: A4500-NH3 G									Batch: R184908	
Lab ID: MBLK-1		Method Blank				Run: TECHNICON_140328A			03/28/14 11:15	
Nitrogen, Ammonia as N		ND	mg/L	0.006						
Lab ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_140328A			03/28/14 11:19	
Nitrogen, Ammonia as N		2.01	mg/L	0.050	103	90	110			
Lab ID: C14030683-001DMS		Sample Matrix Spike				Run: TECHNICON_140328A			03/28/14 11:59	
Nitrogen, Ammonia as N		29.5	mg/L	0.50	108	90	110			
Lab ID: C14030683-001DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140328A			03/28/14 12:00	
Nitrogen, Ammonia as N		29.3	mg/L	0.50	107	90	110	0.7	10	
Lab ID: C14030711-005DMS		Sample Matrix Spike				Run: TECHNICON_140328A			03/28/14 12:22	
Nitrogen, Ammonia as N		2.36	mg/L	0.050	98	90	110			
Lab ID: C14030711-005DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140328A			03/28/14 12:24	
Nitrogen, Ammonia as N		2.34	mg/L	0.050	97	90	110	0.9	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/11/14
Project: MU B GL8 **Work Order:** C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP4-C_140401A		
Lab ID: ICV	11	Initial Calibration Verification Standard							04/01/14 11:35	
Boron		0.985	mg/L	0.10	98	95	105			
Calcium		51.1	mg/L	0.50	102	95	105			
Copper		0.952	mg/L	0.010	95	95	105			
Iron		5.11	mg/L	0.030	102	95	105			
Magnesium		50.9	mg/L	0.50	102	95	105			
Manganese		4.84	mg/L	0.010	97	95	105			
Nickel		0.955	mg/L	0.050	95	95	105			
Potassium		50.9	mg/L	0.50	102	95	105			
Silicon		9.81	mg/L	0.10	98	95	105			
Sodium		51.2	mg/L	0.50	102	95	105			
Zinc		0.959	mg/L	0.010	96	95	105			
Lab ID: ICSA	11	Interference Check Sample A							04/01/14 11:49	
Boron		0.0174	mg/L	0.10						
Calcium		473	mg/L	0.50	95	80	120			
Copper		-0.000500	mg/L	0.010						
Iron		181	mg/L	0.030	91	80	120			
Magnesium		505	mg/L	0.50	101	80	120			
Manganese		-0.0104	mg/L	0.010						
Nickel		0.00542	mg/L	0.050						
Potassium		0.0152	mg/L	0.50						
Silicon		-0.0370	mg/L	0.10						
Sodium		-0.0872	mg/L	0.50						
Zinc		-0.00376	mg/L	0.010						
Lab ID: ICSAB	11	Interference Check Sample AB							04/01/14 11:53	
Boron		0.0192	mg/L	0.10						
Calcium		474	mg/L	0.50	95	80	120			
Copper		0.468	mg/L	0.010	94	80	120			
Iron		182	mg/L	0.030	91	80	120			
Magnesium		507	mg/L	0.50	101	80	120			
Manganese		0.439	mg/L	0.010	88	80	120			
Nickel		0.876	mg/L	0.050	88	80	120			
Potassium		0.0108	mg/L	0.50						
Silicon		-0.0488	mg/L	0.10						
Sodium		-0.124	mg/L	0.50						
Zinc		0.852	mg/L	0.010	85	80	120			
Method: E200.7									Batch: 40949	
Lab ID: MB-40949	2	Method Blank				Run: ICP4-C_140401A			04/01/14 15:27	
Iron		ND	mg/L	0.004						
Manganese		ND	mg/L	0.0002						
Lab ID: LCS3-40949	2	Laboratory Control Sample				Run: ICP4-C_140401A			04/01/14 15:45	
Iron		2.47	mg/L	0.030	99	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: 40949
Lab ID: LCS3-40949	2	Laboratory Control Sample				Run: ICP4-C_140401A				04/01/14 15:45
Manganese		2.37	mg/L	0.0010	95	85	115			
Lab ID: C14030711-004CMS3	2	Sample Matrix Spike				Run: ICP4-C_140401A				04/01/14 16:03
Iron		6.01	mg/L	0.030	91	70	130			
Manganese		2.76	mg/L	0.0010	93	70	130			
Lab ID: C14030711-004CMSD	2	Sample Matrix Spike Duplicate				Run: ICP4-C_140401A				04/01/14 16:06
Iron		5.87	mg/L	0.030	85	70	130	2.3	20	
Manganese		2.77	mg/L	0.0010	94	70	130	0.5	20	
Method: E200.7										Batch: R185030
Lab ID: MB-140401A	10	Method Blank				Run: ICP4-C_140401A				04/01/14 12:11
Boron		ND	mg/L	0.002						
Calcium		ND	mg/L	0.02						
Copper		ND	mg/L	0.004						
Iron		ND	mg/L	0.002						
Magnesium		ND	mg/L	0.02						
Nickel		ND	mg/L	0.002						
Potassium		ND	mg/L	0.04						
Silicon		ND	mg/L	0.01						
Sodium		ND	mg/L	0.2						
Zinc		ND	mg/L	0.001						
Lab ID: LFB-140401A	10	Laboratory Fortified Blank				Run: ICP4-C_140401A				04/01/14 12:15
Boron		0.955	mg/L	0.10	95	85	115			
Calcium		48.6	mg/L	0.50	97	85	115			
Copper		0.919	mg/L	0.010	92	85	115			
Iron		0.987	mg/L	0.030	99	85	115			
Magnesium		48.7	mg/L	0.50	97	85	115			
Nickel		0.921	mg/L	0.050	92	85	115			
Potassium		51.8	mg/L	0.50	104	85	115			
Silicon		0.449	mg/L	0.10	100	85	115			
Sodium		50.0	mg/L	0.50	100	85	115			
Zinc		0.931	mg/L	0.010	93	85	115			
Lab ID: C14030855-001BMS2	10	Sample Matrix Spike				Run: ICP4-C_140401A				04/01/14 14:05
Boron		5.04	mg/L	0.050	92	70	130			
Calcium		248	mg/L	1.0	94	70	130			
Copper		4.44	mg/L	0.021	87	70	130			
Iron		4.99	mg/L	0.030	96	70	130			
Magnesium		247	mg/L	1.0	95	70	130			
Nickel		4.61	mg/L	0.0079	90	70	130			
Potassium		244	mg/L	1.0	94	70	130			
Silicon		5.64	mg/L	0.10	109	70	130			
Sodium		936	mg/L	1.0	82	70	130			
Zinc		4.69	mg/L	0.010	92	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R185030	
Lab ID: C14030855-001BMS2	10	Sample Matrix Spike				Run: ICP4-C_140401A			04/01/14 14:05	
Lab ID: C14030855-001BMSD	10	Sample Matrix Spike Duplicate				Run: ICP4-C_140401A			04/01/14 14:08	
Boron		5.06	mg/L	0.050	92	70	130	0.3	20	
Calcium		248	mg/L	1.0	94	70	130	0.1	20	
Copper		4.45	mg/L	0.021	87	70	130	0.3	20	
Iron		4.97	mg/L	0.030	96	70	130	0.3	20	
Magnesium		247	mg/L	1.0	95	70	130	0.0	20	
Nickel		4.61	mg/L	0.0079	90	70	130	0.0	20	
Potassium		244	mg/L	1.0	94	70	130	0.2	20	
Silicon		5.56	mg/L	0.10	105	70	130	1.5	20	
Sodium		938	mg/L	1.0	83	70	130	0.2	20	
Zinc		4.68	mg/L	0.010	92	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R184889
Lab ID: LRB	11	Method Blank				Run: ICPMS2-C_140327A				03/27/14 15:18
Aluminum		ND	mg/L	0.001						
Arsenic		ND	mg/L	0.00010						
Barium		ND	mg/L	3E-05						
Cadmium		ND	mg/L	2E-05						
Chromium		ND	mg/L	6E-05						
Lead		ND	mg/L	3E-05						
Manganese		ND	mg/L	2E-05						
Mercury		ND	mg/L	0.00010						
Molybdenum		ND	mg/L	4E-05						
Uranium		ND	mg/L	1E-05						
Vanadium		ND	mg/L	3E-05						
Lab ID: LFB	11	Laboratory Fortified Blank				Run: ICPMS2-C_140327A				03/27/14 15:22
Aluminum		0.0507	mg/L	0.0010	101	85	115			
Arsenic		0.0495	mg/L	0.0010	99	85	115			
Barium		0.0495	mg/L	0.0010	99	85	115			
Cadmium		0.0495	mg/L	0.0010	99	85	115			
Chromium		0.0496	mg/L	0.0010	99	85	115			
Lead		0.0509	mg/L	0.0010	102	85	115			
Manganese		0.0485	mg/L	0.0010	97	85	115			
Mercury		0.00479	mg/L	0.0010	96	85	115			
Molybdenum		0.0502	mg/L	0.0010	100	85	115			
Uranium		0.0510	mg/L	0.00030	102	85	115			
Vanadium		0.0489	mg/L	0.0010	98	85	115			
Lab ID: C14030711-006BMS4	11	Sample Matrix Spike				Run: ICPMS2-C_140327A				03/28/14 03:13
Aluminum		0.0477	mg/L	0.030	95	70	130			
Arsenic		0.0724	mg/L	0.0010	105	70	130			
Barium		0.135	mg/L	0.050	112	70	130			
Cadmium		0.0472	mg/L	0.0010	94	70	130			
Chromium		0.0526	mg/L	0.0050	90	70	130			
Lead		0.0520	mg/L	0.0010	104	70	130			
Manganese		0.360	mg/L	0.0010		70	130			A
Mercury		0.00537	mg/L	0.00010	103	70	130			
Molybdenum		0.0509	mg/L	0.0010	101	70	130			
Uranium		5.00	mg/L	0.00030		70	130			A
Vanadium		0.0553	mg/L	0.010	98	70	130			
Lab ID: C14030711-006BMSD	11	Sample Matrix Spike Duplicate				Run: ICPMS2-C_140327A				03/28/14 03:17
Aluminum		0.0473	mg/L	0.030	95	70	130	0.8	20	
Arsenic		0.0706	mg/L	0.0010	101	70	130	2.6	20	
Barium		0.134	mg/L	0.050	110	70	130	0.7	20	
Cadmium		0.0470	mg/L	0.0010	94	70	130	0.4	20	
Chromium		0.0520	mg/L	0.0050	88	70	130	1.3	20	
Lead		0.0518	mg/L	0.0010	103	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/11/14
Project: MU B GL8 **Work Order:** C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R184889	
Lab ID: C14030711-006BMSD	11	Sample Matrix Spike Duplicate				Run: ICPMS2-C_140327A			03/28/14 03:17	
Manganese		0.360	mg/L	0.0010		70	130	0.1	20	A
Mercury		0.00542	mg/L	0.00010	104	70	130	0.9	20	
Molybdenum		0.0512	mg/L	0.0010	101	70	130	0.5	20	
Uranium		4.97	mg/L	0.00030		70	130	0.6	20	A
Vanadium		0.0551	mg/L	0.010	98	70	130	0.4	20	
Method: E200.8									Analytical Run: ICPMS2-C_140401A	
Lab ID: ICV		Initial Calibration Verification Standard							04/01/14 13:18	
Selenium		0.0469	mg/L	0.0010	94	90	110			
Method: E200.8									Batch: R185038	
Lab ID: LRB		Method Blank				Run: ICPMS2-C_140401A			04/01/14 13:54	
Selenium		ND	mg/L	0.0002						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS2-C_140401A			04/01/14 13:57	
Selenium		0.0489	mg/L	0.0010	98	85	115			
Lab ID: C14030833-001CMS4		Sample Matrix Spike				Run: ICPMS2-C_140401A			04/01/14 18:24	
Selenium		0.0525	mg/L	0.0010	104	70	130			
Lab ID: C14030833-001CMSD		Sample Matrix Spike Duplicate				Run: ICPMS2-C_140401A			04/01/14 18:27	
Selenium		0.0542	mg/L	0.0010	107	70	130	3.2	20	
Lab ID: C14030750-005BMS4		Sample Matrix Spike				Run: ICPMS2-C_140401A			04/01/14 20:59	
Selenium		0.396	mg/L	0.0013	105	70	130			
Lab ID: C14030750-005BMSD		Sample Matrix Spike Duplicate				Run: ICPMS2-C_140401A			04/01/14 21:03	
Selenium		0.394	mg/L	0.0013	103	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	**E300.0**										Batch: R184884
Lab ID:	**ICB**	2	Method Blank				Run: IC2-C_140327A				03/27/14 10:43
Chloride			ND	mg/L	0.04						
Sulfate			0.07	mg/L	0.04						
Lab ID:	**LFB-032714-01**	2	Laboratory Fortified Blank				Run: IC2-C_140327A				03/27/14 11:01
Chloride			10.4	mg/L	1.0	104	90	110			
Sulfate			43.0	mg/L	1.0	107	90	110			
Lab ID:	**C14030711-001AMS**	2	Sample Matrix Spike				Run: IC2-C_140327A				03/27/14 11:53
Chloride			29.9	mg/L	1.0	102	90	110			
Sulfate			150	mg/L	1.0	106	90	110			
Lab ID:	**C14030711-001AMSD**	2	Sample Matrix Spike Duplicate				Run: IC2-C_140327A				03/27/14 12:11
Chloride			30.1	mg/L	1.0	103	90	110	0.6	20	
Sulfate			151	mg/L	1.0	108	90	110	0.8	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources **Report Date:** 04/11/14

Project: MU B GL8 **Work Order:** C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: TECHNICON_140326A	
Lab ID: CCV-16		Continuing Calibration Verification Standard							03/26/14 14:41	
Nitrogen, Nitrate+Nitrite as N		1.04	mg/L	0.10	104	90	110			
Method: E353.2									Batch: R184831	
Lab ID: MBLK-1		Method Blank				Run: TECHNICON_140326A			03/26/14 14:03	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.05						
Lab ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_140326A			03/26/14 14:08	
Nitrogen, Nitrate+Nitrite as N		2.06	mg/L	0.10	105	90	110			
Lab ID: C14030711-001DMS		Sample Matrix Spike				Run: TECHNICON_140326A			03/26/14 14:48	
Nitrogen, Nitrate+Nitrite as N		1.89	mg/L	0.10	96	90	110			
Lab ID: C14030711-001DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_140326A			03/26/14 14:51	
Nitrogen, Nitrate+Nitrite as N		1.86	mg/L	0.10	95	90	110	1.6	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-1711
Lab ID: Th230-GrAB-1711		Laboratory Control Sample				Run: TENNELEC-3_140401A				04/03/14 02:47
Gross Alpha		126	pCi/L		110	80	120			
Lab ID: Sr90-GrAB-1711		Laboratory Control Sample				Run: TENNELEC-3_140401A				04/03/14 02:47
Gross Beta		169	pCi/L		95	80	120			
Lab ID: MB-GrAB-1711	6	Method Blank				Run: TENNELEC-3_140401A				04/03/14 02:47
Gross Alpha		2	pCi/L							
Gross Alpha precision (±)		0.9	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		-1	pCi/L							U
Gross Beta precision (±)		2	pCi/L							
Gross Beta MDC		3	pCi/L							
Lab ID: C14030711-001EDUP	6	Sample Duplicate				Run: TENNELEC-3_140401A				04/03/14 02:48
Gross Alpha		3650	pCi/L					5.1	11.6	
Gross Alpha precision (±)		28.9	pCi/L							
Gross Alpha MDC		1.96	pCi/L							
Gross Beta		862	pCi/L					2.7	12.4	
Gross Beta precision (±)		10.1	pCi/L							
Gross Beta MDC		3.16	pCi/L							
Lab ID: C14030711-006EMS		Sample Matrix Spike				Run: TENNELEC-3_140401A				04/03/14 02:47
Gross Alpha		4140	pCi/L		78	70	130			
Lab ID: C14030711-006EMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_140401A				04/03/14 02:47
Gross Alpha		4130	pCi/L		72	70	130	0.2	11.8	
Lab ID: C14030711-006EMS		Sample Matrix Spike				Run: TENNELEC-3_140401A				04/03/14 02:48
Gross Beta		1160	pCi/L		78	70	130			
Lab ID: C14030711-006EMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_140401A				04/03/14 02:48
Gross Beta		1140	pCi/L		71	70	130	1.3	12.2	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: MU B GL8

Report Date: 04/11/14
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-7117
Lab ID: C14030750-001DMS		Sample Matrix Spike				Run: G542M_140328A				04/07/14 07:03
Radium 226		22	pCi/L		89	70	130			
Lab ID: C14030750-001DMSD		Sample Matrix Spike Duplicate				Run: G542M_140328A				04/07/14 07:03
Radium 226		19	pCi/L		78	70	130	12	21.9	
Lab ID: MB-RA226-7117	3	Method Blank				Run: G542M_140328A				04/07/14 07:03
Radium 226		0.10	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: LCS-RA226-7117		Laboratory Control Sample				Run: G542M_140328A				04/07/14 08:37
Radium 226		12	pCi/L		101	80	120			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Report Date: 04/11/14
Project: MU B GL8
Work Order: C14030711

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-4632	
Lab ID: LCS-228-RA226-7117		Laboratory Control Sample				Run: TENNELEC-3_140328E			04/02/14 15:13	
Radium 228		8.2	pCi/L		107	80	120			
Lab ID: MB-RA226-7117	3	Method Blank				Run: TENNELEC-3_140328E			04/02/14 15:13	
Radium 228		0.6	pCi/L							U
Radium 228 precision (±)		0.9	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C14030750-005DMS		Sample Matrix Spike				Run: TENNELEC-3_140328E			04/02/14 15:13	
Radium 228		18.2	pCi/L		119	70	130			
Lab ID: C14030750-005DMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_140328E			04/02/14 15:13	
Radium 228		16.1	pCi/L		104	70	130	12	37.5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Workorder Receipt Checklist

Power Resources dba Cameco Resources C14030711

Login completed by: Corinne Wagner
Date Received: 3/25/2014
Reviewed by: BL2000\khelm
Received by: ckw
Reviewed Date: 3/27/2014
Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	6.4°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Cameco Resources	Project Name, PWS, Permit, Etc.: MU B GLB	Sample Origin State: WY	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address (Required): PO Box 1210 Glenrock WY 82637	Contact Name: Larry Wilson Phone/Fax: Ks 307 358 6541 x427	Cell:	Sampler: (Please Print) KAmos
☐ No Hard Copy Email:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:
Invoice Address (Required): ☐ No Hard Copy Email:			

Special Report/Formats:
☐ DW ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format:
☒ State: WY ☐ LEVEL IV
☐ Other: ☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	C 3994	SEE ATTACHED
1 BMP-012	3-24-14	303	GW	X	
2 BMP 018		145			
3 BMP -020		110			
4 BMP-021		1058			
5 BMP-022		1140			
6 BMP-029		221			
7					
8					
9					
10					

Standard Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Filtered + preserved in Field

Shipped by: Hand
Cooler ID(s): C4162
Receipt Temp: 6.4 °C
On Ice: (Y) N
Custody Seal: On Bottle Y N; On Cooler Y N
Intact Y N
Signature Match Y N

LABORATORY USE ONLY C14030711

Custody Record MUST be Signed

Relinquished by (print): Kelly Amos	Date/Time: 3-25-14 706	Signature: Kelly Amos	Received by (print): Ken Garoutte	Date/Time: 3/25/14 1200	Signature: Ken Garoutte
Relinquished by (print): Ken Garoutte	Date/Time: 3/25/14 1646	Signature: Ken Garoutte	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client:	Lab Disposal:		Received by Laboratory: Dwayne	Date/Time: 3/25/14 1646	Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Inter-Mountain Labs

Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

Page 1 of 2

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

154887

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Comaco Resources	MUB GL8	Anna Sexson	307-315-1777

Report Address	Contact Name	Email	Phone
PO Box 1210 Glenrock WY 82637	Larry Wilbanks	larry_wilbanks@comaco.com	307 358 6541 x 427

Invoice Address	Purchase Order #	Quote #
same		

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	80 Guideline	REMARKS
1	1406093-001	6/2/14	7:28	BMP-011	WT	6	X	Filtered & preserved in field X
2	002		8:03	012				
3	003		8:28	013				
4	004		8:57	014				
5	005		9:32	015				
6	006		10:03	016				
7	007		10:33	018				
8	008		11:40	019				
9	009		11:06	020				
10	010		12:09	021				
11	011		12:37	022				
12	012		1:05	023				
13	013		1:33	024				
14	014		2:03	025				

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
1.4°C 1.3°C 0.9°C	Anna Sexson / Anna Sexson	6/3/14	12:00	Ken Garoutte / Ken Garoutte	6/3/14	1215
	Ken Garoutte / Ken Garoutte	6/3/14	1627	Tiera Bosley	6.4.14	11:04

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

Inter-Mountain Labs

Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

Page 2 of 2

154885

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Comaco Resources	MU B 9L 8	Anna Sexson	307-315-1777

Report Address	Contact Name	Invoice Address	Purchase Order #	Quote #
PO Box 1210 Glenrock, WY 82637	Larry Wilbanks Email: Larry_Wilbanks@comaco.com Phone: 307 358 (6541 x 427	same		

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	Guideline 8	REMARKS
1	1401093 015	6/2/14	2:36	BMP-026	WT	6	X	Filtered, Preserved in field
2	016	6/3/14	10:46	BMP-027				
3	017		9:56	BMP-028				
4	018		7:59	BMP-029				
5	019		8:26	BMP-030				
6	020		8:58	BMP-031				
7								
8								
9								
10								
11								
12								
13								
14								

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
1.4°C 1.3/0.9°C	Anna Sexson / Anna Sexson	6/3/14	12:00	Ken Garoutte / Ken Garoutte	6/3/14	1215
	Ken Garoutte / Ken Garoutte	6/3/14	1627	Sierra Bosley	6.4.14	11:0a

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

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Date: 7/14/2014

CLIENT: Power Resources (Cameco)
Project: MVB GL8
Lab Order: S1406093

CASE NARRATIVE

Report ID: S1406093001

Samples BMP-011, BMP-012, BMP-013, BMP-014, BMP-015, BMP-016, BMP-018, BMP-019, BMP-020, BMP-021, BMP-022, BMP-023, BMP-024, BMP-025, BMP-026, BMP-027, BMP-028, BMP-029, BMP-030, and BMP-031 were received on June 4, 2014.

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.

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-001
ClientSample ID: BMP-011
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 7:28:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	227	mg/L		5	SM 2320B	06/05/2014 1916	BT
Alkalinity, Bicarbonate as HCO3	277	mg/L		5	SM 2320B	06/05/2014 1916	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 1916	BT
Chloride	7	mg/L		1	EPA 300.0	06/12/2014 2326	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 1916	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1417	CAW
Sulfate	81	mg/L		1	EPA 300.0	06/12/2014 2326	AMB
Calcium	60	mg/L		1	EPA 200.7	06/05/2014 1344	CS
Magnesium	12	mg/L		1	EPA 200.7	06/05/2014 1344	CS
Potassium	7	mg/L		1	EPA 200.7	06/05/2014 1344	CS
Sodium	50	mg/L		1	EPA 200.7	06/05/2014 1344	CS
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	06/05/2014 1545	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1344	CS
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	06/05/2014 1916	BT
Electrical Conductivity	585	µmhos/cm		5	SM 2510B	06/05/2014 1916	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	06/05/2014 1331	BM
Data Quality							
Cation Sum	6.35	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	6.40	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.46	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-001
ClientSample ID: BMP-011
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 7:28:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1344	CS
Arsenic	0.002	mg/L		0.001	EPA 200.8	06/05/2014 1147	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1147	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1344	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1344	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1147	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1344	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1147	MS
Iron	0.65	mg/L		0.05	EPA 200.7	06/05/2014 1344	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1147	MS
Manganese	0.14	mg/L		0.01	EPA 200.7	06/05/2014 1344	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1125	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1147	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1344	CS
Selenium	0.026	mg/L		0.001	EPA 200.8	06/05/2014 1147	MS
Uranium	1.19	mg/L		0.0003	EPA 200.8	06/05/2014 1147	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1147	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1344	CS
Metals - Total							
Iron	0.73	mg/L		0.05	EPA 200.7	06/10/2014 1744	DG
Manganese	0.13	mg/L		0.01	EPA 200.7	06/10/2014 1744	DG
Radionuclides - Dissolved							
Gross Alpha	820	pCi/L		2	SM 7110B	07/02/2014 836	MB
Gross Alpha Precision (±)	13.7	pCi/L			SM 7110B	07/02/2014 836	MB
Gross Beta	200	pCi/L		3	SM 7110B	07/02/2014 836	MB
Gross Beta Precision (±)	4.1	pCi/L			SM 7110B	07/02/2014 836	MB
Radium 226	198	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	1.7	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/26/2014 1504	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/26/2014 1504	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-002
ClientSample ID: BMP-012
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 8:03:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	238	mg/L		5	SM 2320B	06/05/2014 1928	BT
Alkalinity, Bicarbonate as HCO3	291	mg/L		5	SM 2320B	06/05/2014 1928	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 1928	BT
Chloride	8	mg/L		1	EPA 300.0	06/12/2014 2341	AMB
Fluoride	0.2	mg/L		0.1	SM 4500FC	06/05/2014 1928	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1418	CAW
Sulfate	70	mg/L		1	EPA 300.0	06/12/2014 2341	AMB
Calcium	69	mg/L		1	EPA 200.7	06/05/2014 1404	CS
Magnesium	14	mg/L		1	EPA 200.7	06/05/2014 1404	CS
Potassium	6	mg/L		1	EPA 200.7	06/05/2014 1404	CS
Sodium	36	mg/L		1	EPA 200.7	06/05/2014 1404	CS
Nitrogen, Ammonia (As N)	1.2	mg/L		0.1	EPA 350.1	06/05/2014 1546	CAW
Silica as SiO2	12	mg/L		1	EPA 200.7	06/05/2014 1404	CS
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	06/05/2014 1928	BT
Electrical Conductivity	591	µmhos/cm		5	SM 2510B	06/05/2014 1928	BT
Total Dissolved Solids (180)	380	mg/L		10	SM 2540	06/05/2014 1332	BM
Data Quality							
Cation Sum	6.43	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	6.46	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.25	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.06	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-002
ClientSample ID: BMP-012
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 8:03:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1404	CS
Arsenic	0.050	mg/L		0.001	EPA 200.8	06/05/2014 1208	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1208	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1404	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1404	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1208	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1404	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1208	MS
Iron	3.42	mg/L		0.05	EPA 200.7	06/05/2014 1404	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1208	MS
Manganese	0.37	mg/L		0.01	EPA 200.7	06/05/2014 1404	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1127	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1208	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1404	CS
Selenium	0.047	mg/L		0.001	EPA 200.8	06/05/2014 1208	MS
Uranium	3.76	mg/L		0.0003	EPA 200.8	06/05/2014 1208	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1208	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1404	CS
Metals - Total							
Iron	3.52	mg/L		0.05	EPA 200.7	06/10/2014 1748	DG
Manganese	0.35	mg/L		0.01	EPA 200.7	06/10/2014 1748	DG
Radionuclides - Dissolved							
Gross Alpha	1341	pCi/L		2	SM 7110B	07/02/2014 836	MB
Gross Alpha Precision (±)	17.7	pCi/L			SM 7110B	07/02/2014 836	MB
Gross Beta	669	pCi/L		3	SM 7110B	07/02/2014 836	MB
Gross Beta Precision (±)	7.4	pCi/L			SM 7110B	07/02/2014 836	MB
Radium 226	522	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	2.8	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	4.3	pCi/L		1	Ga-Tech	06/26/2014 1805	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	06/26/2014 1805	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
Your Environmental Monitoring Partner
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-003
ClientSample ID: BMP-013
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 8:28:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	240	mg/L		5	SM 2320B	06/05/2014 1939	BT
Alkalinity, Bicarbonate as HCO3	293	mg/L		5	SM 2320B	06/05/2014 1939	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 1939	BT
Chloride	15	mg/L		1	EPA 300.0	06/12/2014 2355	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 1939	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1426	CAW
Sulfate	68	mg/L		1	EPA 300.0	06/12/2014 2355	AMB
Calcium	66	mg/L		1	EPA 200.7	06/05/2014 1406	CS
Magnesium	14	mg/L		1	EPA 200.7	06/05/2014 1406	CS
Potassium	6	mg/L		1	EPA 200.7	06/05/2014 1406	CS
Sodium	48	mg/L		1	EPA 200.7	06/05/2014 1406	CS
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	06/05/2014 1547	CAW
Silica as SiO2	12	mg/L		1	EPA 200.7	06/05/2014 1406	CS
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	06/05/2014 1939	BT
Electrical Conductivity	624	µmhos/cm		5	SM 2510B	06/05/2014 1939	BT
Total Dissolved Solids (180)	400	mg/L		10	SM 2540	06/05/2014 1333	BM
Data Quality							
Cation Sum	6.70	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	6.63	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.55	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-003
ClientSample ID: BMP-013
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 8:28:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1406	CS
Arsenic	0.013	mg/L		0.001	EPA 200.8	06/05/2014 1224	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1224	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1406	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1406	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1224	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1406	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1224	MS
Iron	1.08	mg/L		0.05	EPA 200.7	06/05/2014 1406	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1224	MS
Manganese	0.31	mg/L		0.01	EPA 200.7	06/05/2014 1406	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1129	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1224	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1406	CS
Selenium	0.011	mg/L		0.001	EPA 200.8	06/05/2014 1224	MS
Uranium	2.10	mg/L		0.0003	EPA 200.8	06/05/2014 1224	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1224	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1406	CS
Metals - Total							
Iron	2.25	mg/L		0.05	EPA 200.7	06/10/2014 1755	DG
Manganese	0.30	mg/L		0.01	EPA 200.7	06/10/2014 1755	DG
Radionuclides - Dissolved							
Gross Alpha	1669	pCi/L		2	SM 7110B	07/02/2014 836	MB
Gross Alpha Precision (±)	18.8	pCi/L			SM 7110B	07/02/2014 836	MB
Gross Beta	635	pCi/L		3	SM 7110B	07/02/2014 836	MB
Gross Beta Precision (±)	7.2	pCi/L			SM 7110B	07/02/2014 836	MB
Radium 226	350	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	2.3	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/26/2014 2106	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/26/2014 2106	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-004
ClientSample ID: BMP-014
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 8:57:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	328	mg/L		5	SM 2320B	06/05/2014 2003	BT
Alkalinity, Bicarbonate as HCO3	400	mg/L		5	SM 2320B	06/05/2014 2003	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2003	BT
Chloride	19	mg/L		1	EPA 300.0	06/13/2014 009	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2003	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1427	CAW
Sulfate	83	mg/L		1	EPA 300.0	06/13/2014 009	AMB
Calcium	88	mg/L		1	EPA 200.7	06/05/2014 1408	CS
Magnesium	19	mg/L		1	EPA 200.7	06/05/2014 1408	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1408	CS
Sodium	56	mg/L		1	EPA 200.7	06/05/2014 1408	CS
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	06/05/2014 1548	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1408	CS
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	06/05/2014 2003	BT
Electrical Conductivity	780	µmhos/cm		5	SM 2510B	06/05/2014 2003	BT
Total Dissolved Solids (180)	510	mg/L		10	SM 2540	06/05/2014 1334	BM
Data Quality							
Cation Sum	8.54	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	8.82	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.64	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	480	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.06	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-004
ClientSample ID: BMP-014
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 8:57:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1408	CS
Arsenic	0.057	mg/L		0.001	EPA 200.8	06/05/2014 1230	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1230	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1408	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1408	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1230	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1408	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1230	MS
Iron	2.23	mg/L		0.05	EPA 200.7	06/05/2014 1408	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1230	MS
Manganese	0.30	mg/L		0.01	EPA 200.7	06/05/2014 1408	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1131	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1230	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1408	CS
Selenium	0.017	mg/L		0.001	EPA 200.8	06/05/2014 1230	MS
Uranium	6.42	mg/L		0.0003	EPA 200.8	06/05/2014 1230	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1230	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1408	CS
Metals - Total							
Iron	2.98	mg/L		0.05	EPA 200.7	06/10/2014 1805	DG
Manganese	0.29	mg/L		0.01	EPA 200.7	06/10/2014 1805	DG
Radionuclides - Dissolved							
Gross Alpha	1360	pCi/L		2	SM 7110B	07/02/2014 836	MB
Gross Alpha Precision (±)	14.6	pCi/L			SM 7110B	07/02/2014 836	MB
Gross Beta	1109	pCi/L		3	SM 7110B	07/02/2014 836	MB
Gross Beta Precision (±)	9.3	pCi/L			SM 7110B	07/02/2014 836	MB
Radium 226	481	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	2.7	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/27/2014 007	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/27/2014 007	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-005
ClientSample ID: BMP-015
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 9:32:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	302	mg/L		5	SM 2320B	06/05/2014 2014	BT
Alkalinity, Bicarbonate as HCO3	368	mg/L		5	SM 2320B	06/05/2014 2014	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2014	BT
Chloride	14	mg/L		1	EPA 300.0	06/13/2014 107	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2014	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1429	CAW
Sulfate	74	mg/L		1	EPA 300.0	06/13/2014 107	AMB
Calcium	88	mg/L		1	EPA 200.7	06/05/2014 1415	CS
Magnesium	17	mg/L		1	EPA 200.7	06/05/2014 1415	CS
Potassium	6	mg/L		1	EPA 200.7	06/05/2014 1415	CS
Sodium	48	mg/L		1	EPA 200.7	06/05/2014 1415	CS
Nitrogen, Ammonia (As N)	1.2	mg/L		0.1	EPA 350.1	06/05/2014 1549	CAW
Silica as SiO2	16	mg/L		1	EPA 200.7	06/05/2014 1415	CS
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	06/05/2014 2014	BT
Electrical Conductivity	728	µmhos/cm		5	SM 2510B	06/05/2014 2014	BT
Total Dissolved Solids (180)	470	mg/L		10	SM 2540	06/05/2014 1335	BM
Data Quality							
Cation Sum	8.09	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	7.96	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.81	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	440	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested. ***RL - Reporting Limit***

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-005
ClientSample ID: BMP-015
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 9:32:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1415	CS
Arsenic	0.031	mg/L		0.001	EPA 200.8	06/05/2014 1235	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1235	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1415	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1415	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1235	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1415	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1235	MS
Iron	3.60	mg/L		0.05	EPA 200.7	06/05/2014 1415	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1235	MS
Manganese	0.38	mg/L		0.01	EPA 200.7	06/05/2014 1415	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1133	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1235	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1415	CS
Selenium	0.075	mg/L		0.001	EPA 200.8	06/05/2014 1235	MS
Uranium	2.58	mg/L		0.0003	EPA 200.8	06/05/2014 1235	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1235	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1415	CS
Metals - Total							
Iron	3.83	mg/L		0.05	EPA 200.7	06/10/2014 1807	DG
Manganese	0.37	mg/L		0.01	EPA 200.7	06/10/2014 1807	DG
Radionuclides - Dissolved							
Gross Alpha	876	pCi/L		2	SM 7110B	07/02/2014 836	MB
Gross Alpha Precision (±)	12.2	pCi/L			SM 7110B	07/02/2014 836	MB
Gross Beta	543	pCi/L		3	SM 7110B	07/02/2014 836	MB
Gross Beta Precision (±)	6.6	pCi/L			SM 7110B	07/02/2014 836	MB
Radium 226	629	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	3.1	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	7.8	pCi/L		1	Ga-Tech	06/27/2014 308	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	06/27/2014 308	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-006
ClientSample ID: BMP-016
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 10:03:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	271	mg/L		5	SM 2320B	06/05/2014 2026	BT
Alkalinity, Bicarbonate as HCO3	330	mg/L		5	SM 2320B	06/05/2014 2026	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2026	BT
Chloride	7	mg/L		1	EPA 300.0	06/13/2014 121	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2026	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1430	CAW
Sulfate	52	mg/L		1	EPA 300.0	06/13/2014 121	AMB
Calcium	60	mg/L		1	EPA 200.7	06/05/2014 1417	CS
Magnesium	13	mg/L		1	EPA 200.7	06/05/2014 1417	CS
Potassium	5	mg/L		1	EPA 200.7	06/05/2014 1417	CS
Sodium	55	mg/L		1	EPA 200.7	06/05/2014 1417	CS
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	06/05/2014 1550	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1417	CS
General Parameters							
pH	7.8	s.u.		0.1	SM 4500 H B	06/05/2014 2026	BT
Electrical Conductivity	610	µmhos/cm		5	SM 2510B	06/05/2014 2026	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	06/05/2014 1336	BM
Data Quality							
Cation Sum	6.63	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	6.68	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.38	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-006
ClientSample ID: BMP-016
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 10:03:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1417	CS
Arsenic	0.033	mg/L		0.001	EPA 200.8	06/05/2014 1240	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1240	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1417	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1417	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1240	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1417	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1240	MS
Iron	2.35	mg/L		0.05	EPA 200.7	06/05/2014 1417	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1240	MS
Manganese	0.41	mg/L		0.01	EPA 200.7	06/05/2014 1417	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1135	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1240	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1417	CS
Selenium	0.007	mg/L		0.001	EPA 200.8	06/05/2014 1240	MS
Uranium	2.71	mg/L		0.0003	EPA 200.8	06/05/2014 1240	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1240	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1417	CS
Metals - Total							
Iron	2.58	mg/L		0.05	EPA 200.7	06/10/2014 1809	DG
Manganese	0.41	mg/L		0.01	EPA 200.7	06/10/2014 1809	DG
Radionuclides - Dissolved							
Gross Alpha	1702	pCi/L		2	SM 7110B	07/02/2014 836	MB
Gross Alpha Precision (±)	19.0	pCi/L			SM 7110B	07/02/2014 836	MB
Gross Beta	654	pCi/L		3	SM 7110B	07/02/2014 836	MB
Gross Beta Precision (±)	7.6	pCi/L			SM 7110B	07/02/2014 836	MB
Radium 226	392	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/27/2014 609	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/27/2014 609	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-007
ClientSample ID: BMP-018
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 10:33:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	283	mg/L		5	SM 2320B	06/05/2014 2037	BT
Alkalinity, Bicarbonate as HCO3	345	mg/L		5	SM 2320B	06/05/2014 2037	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2037	BT
Chloride	19	mg/L		1	EPA 300.0	06/13/2014 136	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2037	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1431	CAW
Sulfate	186	mg/L		1	EPA 300.0	06/13/2014 136	AMB
Calcium	98	mg/L		1	EPA 200.7	06/05/2014 1419	CS
Magnesium	24	mg/L		1	EPA 200.7	06/05/2014 1419	CS
Potassium	9	mg/L		1	EPA 200.7	06/05/2014 1419	CS
Sodium	74	mg/L		1	EPA 200.7	06/05/2014 1419	CS
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	06/05/2014 1551	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1419	CS
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	06/05/2014 2037	BT
Electrical Conductivity	944	µmhos/cm		5	SM 2510B	06/05/2014 2037	BT
Total Dissolved Solids (180)	640	mg/L		10	SM 2540	06/05/2014 1337	BM
Data Quality							
Cation Sum	10.33	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	10.08	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.27	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	590	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-007
ClientSample ID: BMP-018
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 10:33:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1419	CS
Arsenic	0.005	mg/L		0.001	EPA 200.8	06/05/2014 1246	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1246	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1419	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1419	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1246	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1419	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1246	MS
Iron	1.57	mg/L		0.05	EPA 200.7	06/05/2014 1419	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1246	MS
Manganese	0.21	mg/L		0.01	EPA 200.7	06/05/2014 1419	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1137	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1246	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1419	CS
Selenium	0.002	mg/L		0.001	EPA 200.8	06/05/2014 1246	MS
Uranium	0.628	mg/L		0.0003	EPA 200.8	06/05/2014 1246	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1246	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1419	CS
Metals - Total							
Iron	2.04	mg/L		0.05	EPA 200.7	06/10/2014 1811	DG
Manganese	0.20	mg/L		0.01	EPA 200.7	06/10/2014 1811	DG
Radionuclides - Dissolved							
Gross Alpha	299	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	6.6	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	133	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	3.1	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	355	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	2.3	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	2.4	pCi/L		1	Ga-Tech	06/27/2014 910	MB
Radium 228 Precision (±)	1.7	pCi/L			Ga-Tech	06/27/2014 910	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-008
ClientSample ID: BMP-019
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 11:40:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	244	mg/L		5	SM 2320B	06/05/2014 2049	BT
Alkalinity, Bicarbonate as HCO3	298	mg/L		5	SM 2320B	06/05/2014 2049	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2049	BT
Chloride	21	mg/L		1	EPA 300.0	06/13/2014 150	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2049	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1432	CAW
Sulfate	65	mg/L		1	EPA 300.0	06/13/2014 150	AMB
Calcium	70	mg/L		1	EPA 200.7	06/05/2014 1424	CS
Magnesium	16	mg/L		1	EPA 200.7	06/05/2014 1424	CS
Potassium	7	mg/L		1	EPA 200.7	06/05/2014 1424	CS
Sodium	41	mg/L		1	EPA 200.7	06/05/2014 1424	CS
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	06/05/2014 1552	CAW
Silica as SiO2	18	mg/L		1	EPA 200.7	06/05/2014 1424	CS
General Parameters							
pH	7.6	s.u.		0.1	SM 4500 H B	06/05/2014 2049	BT
Electrical Conductivity	639	µmhos/cm		5	SM 2510B	06/05/2014 2049	BT
Total Dissolved Solids (180)	410	mg/L		10	SM 2540	06/05/2014 1338	BM
Data Quality							
Cation Sum	6.76	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	6.82	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.40	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	380	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-008
ClientSample ID: BMP-019
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 11:40:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1424	CS
Arsenic	0.014	mg/L		0.001	EPA 200.8	06/05/2014 1251	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1251	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1424	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1424	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1251	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1424	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1251	MS
Iron	7.46	mg/L		0.05	EPA 200.7	06/05/2014 1424	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1251	MS
Manganese	0.30	mg/L		0.01	EPA 200.7	06/05/2014 1424	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1148	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1251	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1424	CS
Selenium	0.004	mg/L		0.001	EPA 200.8	06/05/2014 1251	MS
Uranium	0.444	mg/L		0.0003	EPA 200.8	06/05/2014 1251	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1251	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1424	CS
Metals - Total							
Iron	8.50	mg/L		0.05	EPA 200.7	06/10/2014 1814	DG
Manganese	0.30	mg/L		0.01	EPA 200.7	06/10/2014 1814	DG
Radionuclides - Dissolved							
Gross Alpha	555	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	10.4	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	179	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	3.8	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	414	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	1.9	pCi/L		1	Ga-Tech	06/27/2014 1211	MB
Radium 228 Precision (±)	1.7	pCi/L			Ga-Tech	06/27/2014 1211	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-009
ClientSample ID: BMP-020
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 11:06:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	146	mg/L		5	SM 2320B	06/05/2014 2100	BT
Alkalinity, Bicarbonate as HCO3	178	mg/L		5	SM 2320B	06/05/2014 2100	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2100	BT
Chloride	5	mg/L		1	EPA 300.0	06/13/2014 247	AMB
Fluoride	0.2	mg/L		0.1	SM 4500FC	06/05/2014 2100	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1433	CAW
Sulfate	141	mg/L		1	EPA 300.0	06/13/2014 247	AMB
Calcium	35	mg/L		1	EPA 200.7	06/05/2014 1438	CS
Magnesium	6	mg/L		1	EPA 200.7	06/05/2014 1438	CS
Potassium	4	mg/L		1	EPA 200.7	06/05/2014 1438	CS
Sodium	93	mg/L		1	EPA 200.7	06/05/2014 1438	CS
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	06/05/2014 1559	CAW
Silica as SiO2	12	mg/L		1	EPA 200.7	06/05/2014 1438	CS
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	06/05/2014 2100	BT
Electrical Conductivity	613	µmhos/cm		5	SM 2510B	06/05/2014 2100	BT
Total Dissolved Solids (180)	410	mg/L		10	SM 2540	06/05/2014 1339	BM
Data Quality							
Cation Sum	6.39	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	5.99	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	3.23	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	380	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-009
ClientSample ID: BMP-020
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 11:06:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1438	CS
Arsenic	0.008	mg/L		0.001	EPA 200.8	06/05/2014 1256	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1256	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1438	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1438	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1256	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1438	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1256	MS
Iron	0.31	mg/L		0.05	EPA 200.7	06/05/2014 1438	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1256	MS
Manganese	0.47	mg/L		0.01	EPA 200.7	06/05/2014 1438	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1150	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1256	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1438	CS
Selenium	0.002	mg/L		0.001	EPA 200.8	06/05/2014 1256	MS
Uranium	0.465	mg/L		0.0003	EPA 200.8	06/05/2014 1256	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1256	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1438	CS
Metals - Total							
Iron	0.38	mg/L		0.05	EPA 200.7	06/10/2014 1816	DG
Manganese	0.45	mg/L		0.01	EPA 200.7	06/10/2014 1816	DG
Radionuclides - Dissolved							
Gross Alpha	1017	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	15.6	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	406	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	5.9	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	234	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	1.9	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/27/2014 1512	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/27/2014 1512	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-010
ClientSample ID: BMP-021
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 12:09:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	315	mg/L		5	SM 2320B	06/05/2014 2112	BT
Alkalinity, Bicarbonate as HCO3	385	mg/L		5	SM 2320B	06/05/2014 2112	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2112	BT
Chloride	22	mg/L		1	EPA 300.0	06/13/2014 302	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2112	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1434	CAW
Sulfate	111	mg/L		1	EPA 300.0	06/13/2014 302	AMB
Calcium	81	mg/L		1	EPA 200.7	06/05/2014 1441	CS
Magnesium	14	mg/L		1	EPA 200.7	06/05/2014 1441	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1441	CS
Sodium	93	mg/L		1	EPA 200.7	06/05/2014 1441	CS
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	06/05/2014 1600	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1441	CS
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	06/05/2014 2112	BT
Electrical Conductivity	856	µmhos/cm		5	SM 2510B	06/05/2014 2112	BT
Total Dissolved Solids (180)	550	mg/L		10	SM 2540	06/05/2014 1341	BM
Data Quality							
Cation Sum	9.46	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	9.23	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.25	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	530	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-010
ClientSample ID: BMP-021
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 12:09:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1441	CS
Arsenic	0.139	mg/L		0.001	EPA 200.8	06/05/2014 1302	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1302	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1441	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1441	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1302	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1441	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1302	MS
Iron	1.69	mg/L		0.05	EPA 200.7	06/05/2014 1441	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1302	MS
Manganese	0.45	mg/L		0.01	EPA 200.7	06/05/2014 1441	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1152	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1302	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1441	CS
Selenium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1302	MS
Uranium	2.04	mg/L		0.0003	EPA 200.8	06/05/2014 1302	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1302	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1441	CS
Metals - Total							
Iron	1.77	mg/L		0.05	EPA 200.7	06/10/2014 1818	DG
Manganese	0.44	mg/L		0.01	EPA 200.7	06/10/2014 1818	DG
Radionuclides - Dissolved							
Gross Alpha	846	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	11.0	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	514	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	6.1	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	795	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	3.5	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	4.1	pCi/L		1	Ga-Tech	06/27/2014 1813	MB
Radium 228 Precision (±)	2.3	pCi/L			Ga-Tech	06/27/2014 1813	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-011
ClientSample ID: BMP-022
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 12:37:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	386	mg/L		5	SM 2320B	06/05/2014 2147	BT
Alkalinity, Bicarbonate as HCO3	471	mg/L		5	SM 2320B	06/05/2014 2147	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2147	BT
Chloride	15	mg/L		1	EPA 300.0	06/13/2014 316	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2147	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1436	CAW
Sulfate	32	mg/L		1	EPA 300.0	06/13/2014 316	AMB
Calcium	102	mg/L		1	EPA 200.7	06/05/2014 1443	CS
Magnesium	23	mg/L		1	EPA 200.7	06/05/2014 1443	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1443	CS
Sodium	28	mg/L		1	EPA 200.7	06/05/2014 1443	CS
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	06/05/2014 1601	CAW
Silica as SiO2	20	mg/L		1	EPA 200.7	06/05/2014 1443	CS
General Parameters							
pH	7.5	s.u.		0.1	SM 4500 H B	06/05/2014 2147	BT
Electrical Conductivity	767	µmhos/cm		5	SM 2510B	06/05/2014 2147	BT
Total Dissolved Solids (180)	480	mg/L		10	SM 2540	06/05/2014 1342	BM
Data Quality							
Cation Sum	8.40	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	8.80	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	2.34	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	460	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-011
ClientSample ID: BMP-022
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 12:37:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1443	CS
Arsenic	0.135	mg/L		0.001	EPA 200.8	06/05/2014 1307	MS
Barium	0.1	mg/L		0.1	EPA 200.8	06/05/2014 1307	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1443	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1443	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1307	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1443	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1307	MS
Iron	11.8	mg/L		0.05	EPA 200.7	06/05/2014 1443	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1307	MS
Manganese	0.61	mg/L		0.01	EPA 200.7	06/05/2014 1443	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1154	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1307	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1443	CS
Selenium	0.001	mg/L		0.001	EPA 200.8	06/05/2014 1307	MS
Uranium	0.587	mg/L		0.0003	EPA 200.8	06/05/2014 1307	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1307	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1443	CS
Metals - Total							
Iron	12.1	mg/L		0.05	EPA 200.7	06/10/2014 1821	DG
Manganese	0.59	mg/L		0.01	EPA 200.7	06/10/2014 1821	DG
Radionuclides - Dissolved							
Gross Alpha	353	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	7.1	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	142	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	3.3	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	822	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 932	MB
Radium 226 Precision (±)	3.5	pCi/L			SM 7500 Ra-B	06/16/2014 932	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/27/2014 2114	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/27/2014 2114	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-012
ClientSample ID: BMP-023
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 1:05:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	328	mg/L		5	SM 2320B	06/05/2014 2158	BT
Alkalinity, Bicarbonate as HCO3	400	mg/L		5	SM 2320B	06/05/2014 2158	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2158	BT
Chloride	10	mg/L		1	EPA 300.0	06/13/2014 330	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2158	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1437	CAW
Sulfate	69	mg/L		1	EPA 300.0	06/13/2014 330	AMB
Calcium	91	mg/L		1	EPA 200.7	06/05/2014 1445	CS
Magnesium	19	mg/L		1	EPA 200.7	06/05/2014 1445	CS
Potassium	7	mg/L		1	EPA 200.7	06/05/2014 1445	CS
Sodium	42	mg/L		1	EPA 200.7	06/05/2014 1445	CS
Nitrogen, Ammonia (As N)	1.0	mg/L		0.1	EPA 350.1	06/05/2014 1602	CAW
Silica as SiO2	19	mg/L		1	EPA 200.7	06/05/2014 1445	CS
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	06/05/2014 2158	BT
Electrical Conductivity	747	µmhos/cm		5	SM 2510B	06/05/2014 2158	BT
Total Dissolved Solids (180)	480	mg/L		10	SM 2540	06/05/2014 1343	BM
Data Quality							
Cation Sum	8.16	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	8.27	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.68	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	450	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-012
ClientSample ID: BMP-023
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 1:05:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1445	CS
Arsenic	0.111	mg/L		0.001	EPA 200.8	06/05/2014 1342	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1342	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1445	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1445	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1342	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1445	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1342	MS
Iron	7.70	mg/L		0.05	EPA 200.7	06/05/2014 1445	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1342	MS
Manganese	0.62	mg/L		0.01	EPA 200.7	06/05/2014 1445	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1156	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1342	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1445	CS
Selenium	0.021	mg/L		0.001	EPA 200.8	06/05/2014 1342	MS
Uranium	1.02	mg/L		0.0003	EPA 200.8	06/05/2014 1342	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1342	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1445	CS
Metals - Total							
Iron	8.06	mg/L		0.05	EPA 200.7	06/10/2014 1825	DG
Manganese	0.62	mg/L		0.01	EPA 200.7	06/10/2014 1825	DG
Radionuclides - Dissolved							
Gross Alpha	930	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	12.0	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	371	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	5.3	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	802	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	3.4	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	5.9	pCi/L		1	Ga-Tech	06/28/2014 015	MB
Radium 228 Precision (±)	2.4	pCi/L			Ga-Tech	06/28/2014 015	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-013
ClientSample ID: BMP-024
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 1:33:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	438	mg/L		5	SM 2320B	06/05/2014 2209	BT
Alkalinity, Bicarbonate as HCO3	535	mg/L		5	SM 2320B	06/05/2014 2209	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2209	BT
Chloride	17	mg/L		1	EPA 300.0	06/13/2014 345	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2209	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1445	CAW
Sulfate	23	mg/L		1	EPA 300.0	06/13/2014 345	AMB
Calcium	138	mg/L		1	EPA 200.7	06/05/2014 1447	CS
Magnesium	19	mg/L		1	EPA 200.7	06/05/2014 1447	CS
Potassium	6	mg/L		1	EPA 200.7	06/05/2014 1447	CS
Sodium	20	mg/L		1	EPA 200.7	06/05/2014 1447	CS
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	06/05/2014 1603	CAW
Silica as SiO2	21	mg/L		1	EPA 200.7	06/05/2014 1447	CS
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	06/05/2014 2209	BT
Electrical Conductivity	850	µmhos/cm		5	SM 2510B	06/05/2014 2209	BT
Total Dissolved Solids (180)	530	mg/L		10	SM 2540	06/05/2014 1344	BM
Data Quality							
Cation Sum	9.50	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	9.72	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.15	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	510	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-013
ClientSample ID: BMP-024
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 1:33:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1447	CS
Arsenic	0.027	mg/L		0.001	EPA 200.8	06/05/2014 1347	MS
Barium	0.2	mg/L		0.1	EPA 200.8	06/05/2014 1347	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1447	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1447	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1347	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1447	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1347	MS
Iron	9.50	mg/L		0.05	EPA 200.7	06/05/2014 1447	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1347	MS
Manganese	1.45	mg/L		0.01	EPA 200.7	06/05/2014 1447	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1158	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1347	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1447	CS
Selenium	0.004	mg/L		0.001	EPA 200.8	06/05/2014 1347	MS
Uranium	0.779	mg/L		0.0003	EPA 200.8	06/05/2014 1347	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1347	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1447	CS
Metals - Total							
Iron	10.2	mg/L		0.05	EPA 200.7	06/10/2014 1839	DG
Manganese	1.47	mg/L		0.01	EPA 200.7	06/10/2014 1839	DG
Radionuclides - Dissolved							
Gross Alpha	413	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	8.3	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	197	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	3.9	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	446	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/28/2014 316	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/28/2014 316	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-014
ClientSample ID: BMP-025
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 2:03:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	168	mg/L		5	SM 2320B	06/05/2014 2232	BT
Alkalinity, Bicarbonate as HCO3	205	mg/L		5	SM 2320B	06/05/2014 2232	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2232	BT
Chloride	10	mg/L		1	EPA 300.0	06/13/2014 359	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2232	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1446	CAW
Sulfate	162	mg/L		1	EPA 300.0	06/13/2014 359	AMB
Calcium	86	mg/L		1	EPA 200.7	06/05/2014 1450	CS
Magnesium	16	mg/L		1	EPA 200.7	06/05/2014 1450	CS
Potassium	7	mg/L		1	EPA 200.7	06/05/2014 1450	CS
Sodium	32	mg/L		1	EPA 200.7	06/05/2014 1450	CS
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	06/05/2014 1604	CAW
Silica as SiO2	13	mg/L		1	EPA 200.7	06/05/2014 1450	CS
General Parameters							
pH	7.8	s.u.		0.1	SM 4500 H B	06/05/2014 2232	BT
Electrical Conductivity	682	µmhos/cm		5	SM 2510B	06/05/2014 2232	BT
Total Dissolved Solids (180)	470	mg/L		10	SM 2540	06/05/2014 1345	BM
Data Quality							
Cation Sum	7.15	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	7.00	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.07	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	430	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.09	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-014
ClientSample ID: BMP-025
COC: 154887

WorkOrder: S1406093
CollectionDate: 6/2/2014 2:03:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1450	CS
Arsenic	0.005	mg/L		0.001	EPA 200.8	06/05/2014 1353	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1353	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1450	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1450	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1353	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1450	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1353	MS
Iron	3.08	mg/L		0.05	EPA 200.7	06/05/2014 1450	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1353	MS
Manganese	0.36	mg/L		0.01	EPA 200.7	06/05/2014 1450	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1200	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1353	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1450	CS
Selenium	0.002	mg/L		0.001	EPA 200.8	06/05/2014 1353	MS
Uranium	0.137	mg/L		0.0003	EPA 200.8	06/05/2014 1353	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1353	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1450	CS
Metals - Total							
Iron	3.64	mg/L		0.05	EPA 200.7	06/10/2014 1842	DG
Manganese	0.37	mg/L		0.01	EPA 200.7	06/10/2014 1842	DG
Radionuclides - Dissolved							
Gross Alpha	327	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	8.0	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	121	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	3.3	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	307	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	2.1	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	2.9	pCi/L		1	Ga-Tech	06/28/2014 617	MB
Radium 228 Precision (±)	1.7	pCi/L			Ga-Tech	06/28/2014 617	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-015
ClientSample ID: BMP-026
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/2/2014 2:36:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	231	mg/L		5	SM 2320B	06/05/2014 2245	BT
Alkalinity, Bicarbonate as HCO3	281	mg/L		5	SM 2320B	06/05/2014 2245	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2245	BT
Chloride	1	mg/L		1	EPA 300.0	06/13/2014 442	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2245	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1447	CAW
Sulfate	6	mg/L		1	EPA 300.0	06/13/2014 442	AMB
Calcium	57	mg/L		1	EPA 200.7	06/05/2014 1454	CS
Magnesium	12	mg/L		1	EPA 200.7	06/05/2014 1454	CS
Potassium	7	mg/L		1	EPA 200.7	06/05/2014 1454	CS
Sodium	9	mg/L		1	EPA 200.7	06/05/2014 1454	CS
Nitrogen, Ammonia (As N)	1.4	mg/L		0.1	EPA 350.1	06/05/2014 1605	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1454	CS
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	06/05/2014 2245	BT
Electrical Conductivity	408	µmhos/cm		5	SM 2510B	06/05/2014 2245	BT
Total Dissolved Solids (180)	240	mg/L		10	SM 2540	06/05/2014 1346	BM
Data Quality							
Cation Sum	4.47	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	4.77	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	3.19	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	240	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-015
ClientSample ID: BMP-026
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/2/2014 2:36:00 PM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1454	CS
Arsenic	0.053	mg/L		0.001	EPA 200.8	06/05/2014 1358	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1358	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1454	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1454	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1358	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1454	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1358	MS
Iron	8.47	mg/L		0.05	EPA 200.7	06/05/2014 1454	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1358	MS
Manganese	0.86	mg/L		0.01	EPA 200.7	06/05/2014 1454	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1202	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1358	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1454	CS
Selenium	0.004	mg/L		0.001	EPA 200.8	06/05/2014 1358	MS
Uranium	0.788	mg/L		0.0003	EPA 200.8	06/05/2014 1358	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1358	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1454	CS
Metals - Total							
Iron	10.6	mg/L		0.05	EPA 200.7	06/10/2014 1844	DG
Manganese	0.93	mg/L		0.01	EPA 200.7	06/10/2014 1844	DG
Radionuclides - Dissolved							
Gross Alpha	1245	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	18.3	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	445	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	6.5	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	833	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	3.6	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	14.0	pCi/L		1	Ga-Tech	06/28/2014 918	MB
Radium 228 Precision (±)	1.9	pCi/L			Ga-Tech	06/28/2014 918	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-016
ClientSample ID: BMP-027
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 10:46:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	424	mg/L		5	SM 2320B	06/05/2014 2257	BT
Alkalinity, Bicarbonate as HCO3	517	mg/L		5	SM 2320B	06/05/2014 2257	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2257	BT
Chloride	5	mg/L		1	EPA 300.0	06/13/2014 456	AMB
Fluoride	ND	mg/L		0.1	SM 4500FC	06/05/2014 2257	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1449	CAW
Sulfate	34	mg/L		1	EPA 300.0	06/13/2014 456	AMB
Calcium	116	mg/L		1	EPA 200.7	06/05/2014 1508	CS
Magnesium	23	mg/L		1	EPA 200.7	06/05/2014 1508	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1508	CS
Sodium	28	mg/L		1	EPA 200.7	06/05/2014 1508	CS
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	06/05/2014 1606	CAW
Silica as SiO2	12	mg/L		1	EPA 200.7	06/05/2014 1508	CS
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	06/05/2014 2257	BT
Electrical Conductivity	803	µmhos/cm		5	SM 2510B	06/05/2014 2257	BT
Total Dissolved Solids (180)	500	mg/L		10	SM 2540	06/05/2014 1347	BM
Data Quality							
Cation Sum	9.07	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	9.32	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.36	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	480	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-016
ClientSample ID: BMP-027
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 10:46:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1508	CS
Arsenic	0.004	mg/L		0.001	EPA 200.8	06/05/2014 1403	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1403	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1508	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1508	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1403	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1508	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1403	MS
Iron	0.75	mg/L		0.05	EPA 200.7	06/05/2014 1508	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1403	MS
Manganese	0.43	mg/L		0.01	EPA 200.7	06/05/2014 1508	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1204	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1403	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1508	CS
Selenium	0.007	mg/L		0.001	EPA 200.8	06/05/2014 1403	MS
Uranium	3.69	mg/L		0.0003	EPA 200.8	06/05/2014 1403	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1403	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1508	CS
Metals - Total							
Iron	1.00	mg/L		0.05	EPA 200.7	06/10/2014 1846	DG
Manganese	0.44	mg/L		0.01	EPA 200.7	06/10/2014 1846	DG
Radionuclides - Dissolved							
Gross Alpha	1472	pCi/L		2	SM 7110B	07/02/2014 1440	MB
Gross Alpha Precision (±)	14.9	pCi/L			SM 7110B	07/02/2014 1440	MB
Gross Beta	901	pCi/L		3	SM 7110B	07/02/2014 1440	MB
Gross Beta Precision (±)	8.4	pCi/L			SM 7110B	07/02/2014 1440	MB
Radium 226	788	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	3.4	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	5.6	pCi/L		1	Ga-Tech	06/28/2014 1219	MB
Radium 228 Precision (±)	2.3	pCi/L			Ga-Tech	06/28/2014 1219	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-017
ClientSample ID: BMP-028
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 9:56:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	245	mg/L		5	SM 2320B	06/05/2014 2309	BT
Alkalinity, Bicarbonate as HCO3	298	mg/L		5	SM 2320B	06/05/2014 2309	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2309	BT
Chloride	6	mg/L		1	EPA 300.0	06/13/2014 511	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2309	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1450	CAW
Sulfate	111	mg/L		1	EPA 300.0	06/13/2014 511	AMB
Calcium	69	mg/L		1	EPA 200.7	06/05/2014 1510	CS
Magnesium	17	mg/L		1	EPA 200.7	06/05/2014 1510	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1510	CS
Sodium	61	mg/L		1	EPA 200.7	06/05/2014 1510	CS
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	06/05/2014 1607	CAW
Silica as SiO2	14	mg/L		1	EPA 200.7	06/05/2014 1510	CS
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	06/05/2014 2309	BT
Electrical Conductivity	699	µmhos/cm		5	SM 2510B	06/05/2014 2309	BT
Total Dissolved Solids (180)	470	mg/L		10	SM 2540	06/05/2014 1348	BM
Data Quality							
Cation Sum	7.68	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	7.38	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	1.95	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	430	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.09	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-017
ClientSample ID: BMP-028
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 9:56:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1510	CS
Arsenic	0.009	mg/L		0.001	EPA 200.8	06/05/2014 1409	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1409	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1510	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1510	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1409	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1510	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1409	MS
Iron	1.63	mg/L		0.05	EPA 200.7	06/05/2014 1510	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1409	MS
Manganese	0.26	mg/L		0.01	EPA 200.7	06/05/2014 1510	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1210	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1409	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1510	CS
Selenium	0.014	mg/L		0.001	EPA 200.8	06/05/2014 1409	MS
Uranium	0.898	mg/L		0.0003	EPA 200.8	06/05/2014 1409	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1409	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1510	CS
Metals - Total							
Iron	2.57	mg/L		0.05	EPA 200.7	06/10/2014 1848	DG
Manganese	0.26	mg/L		0.01	EPA 200.7	06/10/2014 1848	DG
Radionuclides - Dissolved							
Gross Alpha	620	pCi/L		2	SM 7110B	07/02/2014 2047	MB
Gross Alpha Precision (±)	10.9	pCi/L			SM 7110B	07/02/2014 2047	MB
Gross Beta	314	pCi/L		3	SM 7110B	07/02/2014 2047	MB
Gross Beta Precision (±)	5.0	pCi/L			SM 7110B	07/02/2014 2047	MB
Radium 226	328	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	2.2	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/29/2014 1625	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/29/2014 1625	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-018
ClientSample ID: BMP-029
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 7:59:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	347	mg/L		5	SM 2320B	06/05/2014 2320	BT
Alkalinity, Bicarbonate as HCO3	423	mg/L		5	SM 2320B	06/05/2014 2320	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2320	BT
Chloride	14	mg/L		1	EPA 300.0	06/13/2014 525	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2320	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1451	CAW
Sulfate	63	mg/L		1	EPA 300.0	06/13/2014 525	AMB
Calcium	92	mg/L		1	EPA 200.7	06/05/2014 1512	CS
Magnesium	20	mg/L		1	EPA 200.7	06/05/2014 1512	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1512	CS
Sodium	49	mg/L		1	EPA 200.7	06/05/2014 1512	CS
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	06/05/2014 1608	CAW
Silica as SiO2	19	mg/L		1	EPA 200.7	06/05/2014 1512	CS
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	06/05/2014 2320	BT
Electrical Conductivity	772	µmhos/cm		5	SM 2510B	06/05/2014 2320	BT
Total Dissolved Solids (180)	510	mg/L		10	SM 2540	06/05/2014 1349	BM
Data Quality							
Cation Sum	8.57	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	8.64	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.39	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	470	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.09	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-018
ClientSample ID: BMP-029
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 7:59:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1512	CS
Arsenic	0.017	mg/L		0.001	EPA 200.8	06/05/2014 1414	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1414	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1512	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1512	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1414	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1512	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1414	MS
Iron	1.60	mg/L		0.05	EPA 200.7	06/05/2014 1512	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1414	MS
Manganese	0.33	mg/L		0.01	EPA 200.7	06/05/2014 1512	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1221	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1414	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1512	CS
Selenium	0.036	mg/L		0.001	EPA 200.8	06/05/2014 1414	MS
Uranium	4.04	mg/L		0.0003	EPA 200.8	06/05/2014 1414	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1414	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1512	CS
Metals - Total							
Iron	1.74	mg/L		0.05	EPA 200.7	06/10/2014 1851	DG
Manganese	0.33	mg/L		0.01	EPA 200.7	06/10/2014 1851	DG
Radionuclides - Dissolved							
Gross Alpha	1598	pCi/L		2	SM 7110B	07/02/2014 2047	MB
Gross Alpha Precision (±)	15.4	pCi/L			SM 7110B	07/02/2014 2047	MB
Gross Beta	864	pCi/L		3	SM 7110B	07/02/2014 2047	MB
Gross Beta Precision (±)	7.9	pCi/L			SM 7110B	07/02/2014 2047	MB
Radium 226	331	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	2.2	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	2.4	pCi/L		1	Ga-Tech	06/29/2014 1926	MB
Radium 228 Precision (±)	1.8	pCi/L			Ga-Tech	06/29/2014 1926	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-019
ClientSample ID: BMP-030
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 8:26:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	328	mg/L		5	SM 2320B	06/05/2014 2332	BT
Alkalinity, Bicarbonate as HCO3	400	mg/L		5	SM 2320B	06/05/2014 2332	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2332	BT
Chloride	10	mg/L		1	EPA 300.0	06/13/2014 622	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2332	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1452	CAW
Sulfate	44	mg/L		1	EPA 300.0	06/13/2014 622	AMB
Calcium	84	mg/L		1	EPA 200.7	06/05/2014 1514	CS
Magnesium	18	mg/L		1	EPA 200.7	06/05/2014 1514	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1514	CS
Sodium	44	mg/L		1	EPA 200.7	06/05/2014 1514	CS
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	06/05/2014 1609	CAW
Silica as SiO2	17	mg/L		1	EPA 200.7	06/05/2014 1514	CS
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	06/05/2014 2332	BT
Electrical Conductivity	692	µmhos/cm		5	SM 2510B	06/05/2014 2332	BT
Total Dissolved Solids (180)	450	mg/L		10	SM 2540	06/05/2014 1351	BM
Data Quality							
Cation Sum	7.83	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	7.77	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.34	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	420	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	07/03/2014 1300	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-019
ClientSample ID: BMP-030
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 8:26:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1514	CS
Arsenic	0.009	mg/L		0.001	EPA 200.8	06/05/2014 1420	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1420	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1514	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1514	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1420	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1514	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1420	MS
Iron	3.79	mg/L		0.05	EPA 200.7	06/05/2014 1514	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1420	MS
Manganese	0.31	mg/L		0.01	EPA 200.7	06/05/2014 1514	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1223	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1420	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1514	CS
Selenium	0.040	mg/L		0.001	EPA 200.8	06/05/2014 1420	MS
Uranium	3.45	mg/L		0.0003	EPA 200.8	06/05/2014 1420	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1420	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1514	CS
Metals - Total							
Iron	5.81	mg/L		0.05	EPA 200.7	06/10/2014 1853	DG
Manganese	0.31	mg/L		0.01	EPA 200.7	06/10/2014 1853	DG
Radionuclides - Dissolved							
Gross Alpha	1446	pCi/L		2	SM 7110B	07/02/2014 2047	MB
Gross Alpha Precision (±)	15.1	pCi/L			SM 7110B	07/02/2014 2047	MB
Gross Beta	724	pCi/L		3	SM 7110B	07/02/2014 2047	MB
Gross Beta Precision (±)	7.3	pCi/L			SM 7110B	07/02/2014 2047	MB
Radium 226	817	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	3.4	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/29/2014 2226	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/29/2014 2226	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-020
ClientSample ID: BMP-031
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 8:58:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	311	mg/L		5	SM 2320B	06/05/2014 2344	BT
Alkalinity, Bicarbonate as HCO3	379	mg/L		5	SM 2320B	06/05/2014 2344	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	06/05/2014 2344	BT
Chloride	27	mg/L		1	EPA 300.0	06/13/2014 637	AMB
Fluoride	0.1	mg/L		0.1	SM 4500FC	06/05/2014 2344	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	06/06/2014 1454	CAW
Sulfate	92	mg/L		1	EPA 300.0	06/13/2014 637	AMB
Calcium	87	mg/L		1	EPA 200.7	06/05/2014 1516	CS
Magnesium	20	mg/L		1	EPA 200.7	06/05/2014 1516	CS
Potassium	8	mg/L		1	EPA 200.7	06/05/2014 1516	CS
Sodium	61	mg/L		1	EPA 200.7	06/05/2014 1516	CS
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	06/05/2014 1610	CAW
Silica as SiO2	11	mg/L		1	EPA 200.7	06/05/2014 1516	CS
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	06/05/2014 2344	BT
Electrical Conductivity	819	µmhos/cm		5	SM 2510B	06/05/2014 2344	BT
Total Dissolved Solids (180)	530	mg/L		10	SM 2540	06/05/2014 1352	BM
Data Quality							
Cation Sum	8.86	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Anion Sum	8.88	meq/L		0.01	SM 1030E	06/16/2014 1107	JJ
Cation-Anion Balance (± 5%)	0.14	%		0.01	SM 1030E	06/16/2014 1107	JJ
Solids, Total Dissolved (Calc)	490	mg/L		10	SM 1030E	06/16/2014 1107	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	07/03/2014 1300	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Power Resources (Cameco)
PO Box 1210
Glen Rock, WY 82637

Date Reported 7/14/2014
Report ID S1406093001

ProjectName: MVB GL8
Lab ID: S1406093-020
ClientSample ID: BMP-031
COC: 154885

WorkOrder: S1406093
CollectionDate: 6/3/2014 8:58:00 AM
DateReceived: 6/4/2014 11:06:00 AM
FieldSampler: AS
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	06/05/2014 1516	CS
Arsenic	0.008	mg/L		0.001	EPA 200.8	06/05/2014 1436	MS
Barium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1436	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	06/05/2014 1516	CS
Boron	ND	mg/L		0.1	EPA 200.7	06/05/2014 1516	CS
Cadmium	ND	mg/L		0.001	EPA 200.8	06/05/2014 1436	MS
Chromium	ND	mg/L		0.01	EPA 200.7	06/05/2014 1516	CS
Copper	ND	mg/L		0.01	EPA 200.8	06/05/2014 1436	MS
Iron	1.65	mg/L		0.05	EPA 200.7	06/05/2014 1516	CS
Lead	ND	mg/L		0.01	EPA 200.8	06/05/2014 1436	MS
Manganese	0.22	mg/L		0.01	EPA 200.7	06/05/2014 1516	CS
Mercury	ND	mg/L		0.001	EPA 245.1	06/10/2014 1225	CJB
Molybdenum	ND	mg/L		0.01	EPA 200.8	06/05/2014 1436	MS
Nickel	ND	mg/L		0.05	EPA 200.7	06/05/2014 1516	CS
Selenium	0.004	mg/L		0.001	EPA 200.8	06/05/2014 1436	MS
Uranium	1.98	mg/L		0.0003	EPA 200.8	06/05/2014 1436	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	06/05/2014 1436	MS
Zinc	ND	mg/L		0.01	EPA 200.7	06/05/2014 1516	CS
Metals - Total							
Iron	2.70	mg/L		0.05	EPA 200.7	06/10/2014 1855	DG
Manganese	0.23	mg/L		0.01	EPA 200.7	06/10/2014 1855	DG
Radionuclides - Dissolved							
Gross Alpha	850	pCi/L		2	SM 7110B	07/02/2014 2047	MB
Gross Alpha Precision (±)	11.7	pCi/L			SM 7110B	07/02/2014 2047	MB
Gross Beta	508	pCi/L		3	SM 7110B	07/02/2014 2047	MB
Gross Beta Precision (±)	6.2	pCi/L			SM 7110B	07/02/2014 2047	MB
Radium 226	359	pCi/L		0.2	SM 7500 Ra-B	06/16/2014 1232	MB
Radium 226 Precision (±)	2.3	pCi/L			SM 7500 Ra-B	06/16/2014 1232	MB
Radium 228	ND	pCi/L		1	Ga-Tech	06/30/2014 127	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	06/30/2014 127	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Alkalinity Sample Type **MBLK** Units: mg/L

BLANK (06/05/14 16:13) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	ND	5					

Alkalinity Sample Type **LCS** Units: mg/L

ATQC (06/05/14 16:02) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	606	5	595		102	90 - 110	

Alkalinity Sample Type **DUP** Units: mg/L

S1406093-003AD (06/05/14 19:51) RunNo: 108582

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	293	5	293	0.0573		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	240	5	240	0.0573		20	

S1406093-013AD (06/05/14 22:20) RunNo: 108582

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	534	5	535	0.162		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	438	5	438	0.162		20	

Conductivity Sample Type **MBLK** Units: µmhos/cm

BLANK (06/05/14 16:13) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	ND	5					

Conductivity Sample Type **LCS** Units: µmhos/cm

ATQC (06/05/14 15:48) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	1040	5	1060		98.0	90 - 110	

Conductivity Sample Type **DUP** Units: µmhos/cm

S1406093-003AD (06/05/14 19:51) RunNo: 108582

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	625	5	624	0.160		20	

S1406093-013AD (06/05/14 22:20) RunNo: 108582

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	851	5	850	0.118		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Dissolved Mercury by EPA 245.1 - Water Sample Type **MBLK** Units: mg/L

LRB (06/10/14 12:08) RunNo: 108751

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	ND	0.001					

Dissolved Mercury by EPA 245.1 - Water Sample Type **LCS** Units: mg/L

LCS (06/10/14 11:04) RunNo: 108751

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		101	85 - 115	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MS** Units: mg/L

S1406093-007D (06/10/14 11:40) RunNo: 108751

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	105	70 - 130	

S1406093-017D (06/10/14 12:17) RunNo: 108751

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	102	70 - 130	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MSD** Units: mg/L

S1406093-007D (06/10/14 11:42) RunNo: 108751

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	0.483	105	20	

S1406093-017D (06/10/14 12:19) RunNo: 108751

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	1.28	101	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (06/05/14 12:07)	RunNo: 108579						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	ND	0.1					
Beryllium	ND	0.01					
Boron	ND	0.1					
Chromium	ND	0.01					
Iron	ND	0.05					
Manganese	ND	0.02					
Nickel	ND	0.01					
Zinc	ND	0.01					

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **LCS** Units: mg/L

DISS LCS Q (06/05/14 12:09)	RunNo: 108579						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	1.0	0.1	1		98.3	85 - 115	
Beryllium	1.02	0.01	1		102	85 - 115	
Boron	1.0	0.1	1		97.3	85 - 115	
Chromium	1.01	0.01	1		101	85 - 115	
Iron	0.97	0.05	1		97.4	85 - 115	
Manganese	1.00	0.02	1		100	85 - 115	
Nickel	1.02	0.01	1		102	85 - 115	
Zinc	1.01	0.01	1		101	85 - 115	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MS** Units: mg/L

S1406093-001DS (06/05/14 13:46)	RunNo: 108579						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	101	70 - 130	
Beryllium	0.281	0.001	0.25	ND	112	70 - 130	
Boron	0.3	0.1	0.25	ND	103	70 - 130	
Chromium	0.26	0.01	0.25	ND	102	70 - 130	
Iron	0.85	0.05	0.25	0.65	79.0	70 - 130	
Manganese	0.38	0.01	0.25	0.14	97.3	70 - 130	
Nickel	0.26	0.05	0.25	ND	102	70 - 130	
Zinc	0.26	0.01	0.25	ND	105	70 - 130	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1406093-001DSD (06/05/14 13:48)	RunNo: 108579						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	5.15	106	20	
Beryllium	0.301	0.001	0.281	7.15	120	20	
Boron	0.3	0.1	0.3	6.83	111	20	
Chromium	0.27	0.01	0.26	7.36	110	20	
Iron	0.85	0.05	0.85	0.119	79.5	20	
Manganese	0.40	0.01	0.38	3.88	103	20	
Nickel	0.27	0.05	0.26	6.65	109	20	
Zinc	0.28	0.01	0.26	7.33	112	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MBLK** Units: mg/L

MBLK (06/05/14 11:26)	RunNo: 108608						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	ND	0.005					
Barium	ND	0.1					
Cadmium	ND	0.001					
Copper	ND	0.01					
Lead	ND	0.02					
Molybdenum	ND	0.02					
Selenium	ND	0.001					
Uranium	ND	0.0003					
Vanadium	ND	0.02					

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **LCS** Units: mg/L

LCS (06/05/14 11:21)	RunNo: 108608						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	0.101	0.005	0.1		101	85 - 115	
Barium	ND	0.1	0.1		96.8	85 - 115	
Cadmium	0.104	0.001	0.1		104	85 - 115	
Copper	0.10	0.01	0.1		101	85 - 115	
Lead	0.10	0.02	0.1		99.8	85 - 115	
Molybdenum	0.10	0.02	0.1		102	85 - 115	
Selenium	0.102	0.001	0.1		102	85 - 115	
Uranium	0.0996	0.0003	0.1		99.6	85 - 115	
Vanadium	0.11	0.02	0.1		105	85 - 115	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1406093-001DS (06/05/14 11:58)	RunNo: 108608						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.13	0.001	1.1	0.002	102	70 - 130	
Barium	1.1	0.1	1.1	ND	96.7	70 - 130	
Cadmium	1.16	0.001	1.1	ND	105	70 - 130	
Copper	1.15	0.01	1.1	ND	105	70 - 130	
Lead	1.11	0.01	1.1	ND	101	70 - 130	
Molybdenum	1.12	0.01	1.1	ND	102	70 - 130	
Selenium	1.14	0.001	1.1	0.026	101	70 - 130	
Uranium	2.26	0.0003	1.1	1.19	97.6	70 - 130	
Vanadium	1.2	0.1	1.1	ND	106	70 - 130	

S1406093-011DS (06/05/14 13:32)	RunNo: 108608						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.23	0.001	1.1	0.135	99.6	70 - 130	
Barium	1.2	0.1	1.1	0.1	93.1	70 - 130	
Cadmium	1.11	0.001	1.1	ND	101	70 - 130	
Copper	1.12	0.01	1.1	ND	102	70 - 130	
Lead	1.07	0.01	1.1	ND	97.1	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1406093-011DS (06/05/14 13:32)	RunNo: 108608						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Molybdenum	1.11	0.01	1.1	ND	100	70 - 130	
Selenium	1.09	0.001	1.1	0.001	99.4	70 - 130	
Uranium	1.66	0.0003	1.1	0.587	97.8	70 - 130	
Vanadium	1.1	0.1	1.1	ND	101	70 - 130	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MSD** Units: mg/L

S1406093-001DMSD (06/05/14 12:03)	RunNo: 108608						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.18	0.001	1.13	4.67	107	20	
Barium	1.1	0.1	1.1	0.0349	96.7	20	
Cadmium	1.10	0.001	1.16	4.95	100	20	
Copper	1.12	0.01	1.15	3.01	101	20	
Lead	1.11	0.01	1.11	0.464	101	20	
Molybdenum	1.11	0.01	1.12	0.335	101	20	
Selenium	1.15	0.001	1.14	0.944	102	20	
Uranium	2.20	0.0003	2.26	2.78	91.9	20	
Vanadium	1.1	0.1	1.2	4.23	101	20	

S1406093-011DMSD (06/05/14 13:37)	RunNo: 108608						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.25	0.001	1.23	1.58	101	20	
Barium	1.2	0.1	1.2	0.0439	93.1	20	
Cadmium	1.14	0.001	1.11	3.39	104	20	
Copper	1.12	0.01	1.12	0.193	102	20	
Lead	1.07	0.01	1.07	0.0767	97.0	20	
Molybdenum	1.11	0.01	1.11	0.276	101	20	
Selenium	1.10	0.001	1.09	0.655	100	20	
Uranium	1.66	0.0003	1.66	0.0605	97.8	20	
Vanadium	1.1	0.1	1.1	0.726	102	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Fluoride by SM 4500 Sample Type **MBLK** Units: mg/L

BLANK (06/05/14 16:13) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	ND	0.1					

Fluoride by SM 4500 Sample Type **LCS** Units: mg/L

ATQC (06/05/14 15:36) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.8	0.1	3		93.1	90 - 110	

Fluoride by SM 4500 Sample Type **MS** Units: mg/L

S1406093-010ASPK MS (06/05/14 21:26) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.3	0.1	2.5	0.1	85.9	80 - 120	

S1406093-020ASPK MS (06/05/14 23:58) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.3	0.1	2.5	0.1	86.1	80 - 120	

Fluoride by SM 4500 Sample Type **MSD** Units: mg/L

S1406093-010ASPK MSD (06/05/14 21:30) RunNo: 108582

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.3	0.1	2.3	0	85.9	20	

S1406093-020ASPK MSD (06/06/14 00:02) RunNo: 108582

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.3	0.1	2.3	0	86.1	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Gross Alpha, Beta by SM 7110B Sample Type **MBLK** Units: pCi/L

MB14-177 (07/02/14 08:36)	RunNo: 109838	PrepDate: 06/26/14 0:00			BatchID R109838		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

Gross Alpha, Beta by SM 7110B Sample Type **LCS** Units: pCi/L

LCS-14-177 (07/02/14 08:36)	RunNo: 109838	PrepDate: 06/26/14 0:00			BatchID R109838		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	43	2	71.2		60.0	55.9 - 149	
Gross Beta (Dissolved)	124	3	120		104	86 - 125	

Gross Alpha, Beta by SM 7110B Sample Type **MS** Units: pCi/L

S1406093-015FMS (07/02/14 14:40)	RunNo: 109838	PrepDate: 06/26/14 0:00			BatchID R109838		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	1400	2	142	1240	110	42.3 - 168	
Gross Beta (Dissolved)	560	3	120	445	96.1	66.1 - 145	

Gross Alpha, Beta by SM 7110B Sample Type **DUP** Units: pCi/L

S1406093-004FDUP (07/02/14 08:36)	RunNo: 109838	PrepDate: 06/26/14 0:00			BatchID R109838		
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	1340	2	1360	1.60		20	
Gross Beta (Dissolved)	1130	3	1110	1.91		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Anions by ION Chromatography Sample Type **MBLK** Units: mg/L

BLK (06/12/14 16:16)	RunNo: 108953						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

Anions by ION Chromatography Sample Type **LCS** Units: mg/L

DIONEX (06/12/14 16:30)	RunNo: 108953						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		98.2	90 - 110	
Sulfate	144	1	150		95.8	90 - 110	

Anions by ION Chromatography Sample Type **MS** Units: mg/L

S1406093-008ASPK (06/13/14 02:19)	RunNo: 108953						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	78	1	54.5	21	104	80 - 120	
Sulfate	491	1	409	65	104	80 - 120	

S1406093-018ASPK (06/13/14 05:54)	RunNo: 108953						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	70	1	54.5	14	104	80 - 120	
Sulfate	486	1	409	63	103	80 - 120	

Anions by ION Chromatography Sample Type **MSD** Units: mg/L

S1406093-008ASPKD (06/13/14 02:33)	RunNo: 108953						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	78	1	78	0.816	105	20	
Sulfate	496	1	491	0.954	105	20	

S1406093-018ASPKD (06/13/14 06:08)	RunNo: 108953						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	71	1	70	1.50	106	20	
Sulfate	493	1	486	1.44	105	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Cations by ICP (Method 200.7) Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (06/05/14 12:07)	RunNo: 108577						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

Cations by ICP (Method 200.7) Sample Type **LCS** Units: mg/L

CAT LCS IML3 (06/05/14 12:11)	RunNo: 108577						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	39	1	40		97.1	85 - 115	
Magnesium	39	1	40		97.6	85 - 115	
Potassium	40	1	40		99.6	85 - 115	
Sodium	39	1	40		97.6	85 - 115	

Cations by ICP (Method 200.7) Sample Type **MS** Units: mg/L

S1406093-001AS (06/05/14 13:46)	RunNo: 108577						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	82	1	25	60	90.3	70 - 130	
Magnesium	37	1	25	12	97.0	70 - 130	
Potassium	34	1	25	7	109	70 - 130	
Sodium	74	1	25	50	97.4	70 - 130	

S1406093-008AS (06/05/14 14:26)	RunNo: 108577						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	92	1	25	70	90.3	70 - 130	
Magnesium	41	1	25	16	99.0	70 - 130	
Potassium	35	1	25	7	114	70 - 130	
Sodium	67	1	25	41	102	70 - 130	

S1406093-015AS (06/05/14 14:56)	RunNo: 108577						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	80	1	25	57	92.6	70 - 130	
Magnesium	37	1	25	12	99.7	70 - 130	
Potassium	35	1	25	7	109	70 - 130	
Sodium	34	1	25	9	101	70 - 130	

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1406093-001ASD (06/05/14 13:48)	RunNo: 108577						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	84	1	82	1.63	95.7	20	
Magnesium	38	1	37	4.27	103	20	
Potassium	36	1	34	5.14	116	20	
Sodium	76	1	74	2.09	104	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco) **Date:** 7/14/2014
Work Order: S1406093 **Report ID:** S1406093001
Project: MVB GL8

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1406093-008ASD (06/05/14 14:28)	RunNo: 108577						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	95	1	92	2.47	99.4	20	
Magnesium	43	1	41	5.56	108	20	
Potassium	37	1	35	4.97	121	20	
Sodium	68	1	67	2.40	108	20	

S1406093-015ASD (06/05/14 14:59)	RunNo: 108577						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	81	1	80	0.124	93.0	20	
Magnesium	36	1	37	0.620	98.8	20	
Potassium	34	1	35	0.541	108	20	
Sodium	34	1	34	0.530	99.8	20	

Nitrogen, Ammonia (as N) Sample Type **MBLK** Units: mg/L

BLANK (06/05/14 14:01)	RunNo: 108594						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	ND	0.1					

Nitrogen, Ammonia (as N) Sample Type **LCS** Units: mg/L

QC (06/05/14 14:03)	RunNo: 108594						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	14.3	0.1	15.4		93.0	89 - 111	

Nitrogen, Ammonia (as N) Sample Type **MS** Units: mg/L

S1406093-008C (06/05/14 15:54)	RunNo: 108594						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.8	0.1	10	0.1	96.4	90 - 110	

S1406093-020C (06/05/14 16:12)	RunNo: 108594						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.3	0.1	10	0.1	92.1	90 - 110	

Nitrogen, Ammonia (as N) Sample Type **MSD** Units: mg/L

S1406093-008C (06/05/14 15:55)	RunNo: 108594						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	9.8	0.1	9.8	0.186	96.6	20	

S1406093-020C (06/05/14 16:13)	RunNo: 108594						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	9.9	0.1	9.3	5.69	97.4	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MBLK** Units: mg/L

BLANK (06/06/14 12:42)	RunNo: 108634						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

Nitrogen, Nitrate-Nitrite (as N) Sample Type **LCS** Units: mg/L

QC (06/06/14 12:44)	RunNo: 108634						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	15.9	0.1	15.1		105	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MS** Units: mg/L

S1406093-002C (06/06/14 14:20)	RunNo: 108634						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	4.8	0.1	5	ND	95.9	90 - 110	

S1406093-012C (06/06/14 14:39)	RunNo: 108634						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	4.7	0.1	5	ND	94.9	90 - 110	

S1406093-020C (06/06/14 14:57)	RunNo: 108634						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.0	0.1	5	ND	99.0	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MSD** Units: mg/L

S1406093-002C (06/06/14 14:22)	RunNo: 108634						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	4.9	0.1	4.8	2.69	98.5	20	

S1406093-012C (06/06/14 14:40)	RunNo: 108634						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	4.8	0.1	4.7	1.41	96.2	20	

S1406093-020C (06/06/14 14:58)	RunNo: 108634						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.0	0.1	5.0	0.687	99.7	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Radium 228 by Ga/Tech Sample Type **MBLK** Units: pCi/L

MB-8497 (06/25/14 14:57)	RunNo: 109698	PrepDate: 06/09/14 10:00			BatchID 8497		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

MB-8498 (06/28/14 22:20)	RunNo: 109699	PrepDate: 06/11/14 10:00			BatchID 8498		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

Radium 228 by Ga/Tech Sample Type **LCS** Units: pCi/L

LCS-8497 (06/25/14 17:58)	RunNo: 109698	PrepDate: 06/09/14 10:00			BatchID 8497		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	36	1	40.3		88.1	61.7 - 97.1	

LCS-8498 (06/29/14 01:20)	RunNo: 109699	PrepDate: 06/11/14 10:00			BatchID 8498		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	39	1	40.3		97.1	61.7 - 97.1	

Radium 228 by Ga/Tech Sample Type **LCSD** Units: pCi/L

LCSD-8497 (06/25/14 20:59)	RunNo: 109698	PrepDate: 06/09/14 10:00			BatchID 8497		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	35	1	36	1.46	86.9	20	

LCSD-8498 (06/29/14 04:21)	RunNo: 109699	PrepDate: 06/11/14 10:00			BatchID 8498		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	39	14.7	82.8	20	

Radium 228 by Ga/Tech Sample Type **MS** Units: pCi/L

TAPMS-8497 (06/26/14 03:01)	RunNo: 109698	PrepDate: 06/09/14 10:00			BatchID 8497		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	32	1	40.3	ND	79.1	52.4 - 114	

TAPMS-8498 (06/29/14 10:23)	RunNo: 109699	PrepDate: 06/11/14 10:00			BatchID 8498		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	33	1	40.3	ND	82.4	52.4 - 114	

Radium 228 by Ga/Tech Sample Type **MSD** Units: pCi/L

TAPMSD-8497 (06/26/14 06:02)	RunNo: 109698	PrepDate: 06/09/14 10:00			BatchID 8497		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	32	4.83	83.0	30	

TAPMSD-8498 (06/29/14 13:24)	RunNo: 109699	PrepDate: 06/11/14 10:00			BatchID 8498		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	33	0.386	82.1	30	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Radium 226 in Water - Dissolved Sample Type **MBLK** Units: pCi/L

MB-8404 (06/16/14 09:32)	RunNo: 109149	PrepDate: 06/09/14 0:00			BatchID 8404		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

Radium 226 in Water - Dissolved Sample Type **LCS** Units: pCi/L

LCS-8404 (06/16/14 09:32)	RunNo: 109149	PrepDate: 06/09/14 0:00			BatchID 8404		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	5.1	0.2	5		102	76.4 - 122	

Radium 226 in Water - Dissolved Sample Type **MS** Units: pCi/L

TAPMS-8404 (06/16/14 09:32)	RunNo: 109149	PrepDate: 06/09/14 0:00			BatchID 8404		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	5.5	0.2	5	0.5	99.6	74.5 - 133	

Radium 226 in Water - Dissolved Sample Type **MSD** Units: pCi/L

TAPMSD-8404 (06/16/14 09:32)	RunNo: 109149	PrepDate: 06/09/14 0:00			BatchID 8404		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	4.9	0.2	5.5	11.4	87.1	20	

Silica as SiO2 Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (06/05/14 12:07)	RunNo: 108578						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	ND	0.1					

Silica as SiO2 Sample Type **LCS** Units: mg/L

DISS LCS Q (06/05/14 12:09)	RunNo: 108578						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	2.1	0.1	2.14		99.4	85 - 115	

Silica as SiO2 Sample Type **DUP** Units: mg/L

S1406093-007DD (06/05/14 14:21)	RunNo: 108578						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	13	1	14	1.62		20	

S1406093-014DD (06/05/14 14:52)	RunNo: 108578						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	13	1	13	0.390		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Solids By SM 2540 Sample Type **MBLK** Units: mg/L

DI (06/05/14 13:28)	RunNo: 108772						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	ND	10					

Solids By SM 2540 Sample Type **LCS** Units: mg/L

CONTROL (06/05/14 13:29)	RunNo: 108772						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	230	10	226		101	90 - 110	

Solids By SM 2540 Sample Type **DUP** Units: mg/L

S1406093-009A (06/05/14 13:40)	RunNo: 108772						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	420	10	410	0.483		20	

S1406093-018A (06/05/14 13:50)	RunNo: 108772						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	510	10	510	0.395		20	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MBLK** Units: mg/L

MB-8349 (06/10/14 17:39)	RunNo: 108790	PrepDate: 06/06/14 12:23			BatchID 8349		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	ND	0.05					
Manganese	ND	0.02					

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **LCS** Units: mg/L

LCS-8349 (06/10/14 17:41)	RunNo: 108790	PrepDate: 06/06/14 12:23			BatchID 8349		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.49	0.05	0.5		97.1	85 - 115	
Manganese	0.19	0.02	0.2		95.0	85 - 115	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MS** Units: mg/L

S1406093-002ES (06/10/14 17:51)	RunNo: 108790	PrepDate: 06/06/14 7:03			BatchID 8349		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	4.03	0.05	0.5	3.52	103	70 - 130	
Manganese	0.55	0.01	0.2	0.35	95.9	70 - 130	

S1406093-012ES (06/10/14 18:35)	RunNo: 108790	PrepDate: 06/06/14 7:03			BatchID 8349		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	8.60	0.05	0.5	8.06	108	70 - 130	
Manganese	0.81	0.01	0.2	0.62	96.5	70 - 130	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MSD** Units: mg/L

S1406093-002EMSD (06/10/14 17:53)	RunNo: 108790	PrepDate: 06/06/14 7:03			BatchID 8349		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	4.01	0.05	4.03	0.582	98.6	20	
Manganese	0.54	0.01	0.55	0.495	94.5	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1406093
Project: MVB GL8

Date: 7/14/2014
Report ID: S1406093001

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type MSD Units: mg/L

S1406093-012EMSD (06/10/14 18:37) RunNo: 108790 PrepDate: 06/06/14 7:03 BatchID 8349

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	8.60	0.05	8.60	0.0441	108	20	
Manganese	0.82	0.01	0.81	0.251	97.6	20	

pH Water Sample Type LCS Units: s.u.

ATQC (06/05/14 15:22) RunNo: 108582

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	8.7	0.1	8.74		99.6	90 - 110	

pH Water Sample Type DUP Units: s.u.

S1406093-003AD (06/05/14 19:51) RunNo: 108582

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.0	0.1	7.9	0.371		20	

S1406093-013AD (06/05/14 22:20) RunNo: 108582

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	7.7	0.1	7.7	0.0790		20	

Qualifiers:

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

Inter-Mountain Labs

Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

Page 1 of 1

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

155223

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Cameco Resources	MUB GLS	Gwen Trammel Kathy Ames	307 358 6541

Report Address	Contact Name	Invoice Address
PO Box 1210 Glenrock WY 82637	Larry Walbanks	
	Email Larry_Walbanks@cameco.com	
	Phone 307 358 6541 427	
	Purchase Order #	Quote #

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	ANALYSES / PARAMETERS: GLS	REMARKS: Filtered/preserved in field
1	S14093	9-15-14	238	BM-038	WT	6	X	X
2		1	743	BM-057	X	X	X	X
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
0.3	Gwen Trammel / Kathy Ames	9-16-14	2:30	Ken Garoutte	9/16/14	1400
	Ken Garoutte / Ken Garoutte	9/16/14	1617	Kathy Bond	9.17.14	11:50

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

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Date: 10/29/2014

CLIENT: Power Resources (Cameco)
Project: MUB GL8
Lab Order: S1409342

CASE NARRATIVE

Report ID: S1409342001

Samples BM-038, and BM-057 were received on September 17, 2014.

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.

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/29/2014
Report ID S1409342001

ProjectName: MUB GL8
Lab ID: S1409342-001
ClientSample ID: BM-038
COC: 155223

WorkOrder: S1409342
CollectionDate: 9/15/2014 2:38:00 PM
DateReceived: 9/17/2014 11:50:00 AM
FieldSampler: GT/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	226	mg/L		5	SM 2320B	09/18/2014 1742	BT
Alkalinity, Bicarbonate as HCO3	271	mg/L		5	SM 2320B	09/18/2014 1742	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/18/2014 1742	BT
Chloride	8	mg/L		1	EPA 300.0	09/19/2014 2302	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/18/2014 1742	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/25/2014 1709	AMB
Sulfate	84	mg/L		1	EPA 300.0	09/19/2014 2302	AB
Calcium	59	mg/L		1	EPA 200.7	09/18/2014 437	DG
Magnesium	11	mg/L		1	EPA 200.7	09/18/2014 437	DG
Potassium	7	mg/L		1	EPA 200.7	09/18/2014 437	DG
Sodium	57	mg/L		1	EPA 200.7	09/18/2014 437	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/23/2014 1650	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/18/2014 437	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/18/2014 1742	BT
Electrical Conductivity	626	µmhos/cm		5	SM 2510B	09/18/2014 1742	BT
Total Dissolved Solids (180)	400	mg/L		10	SM 2540	09/18/2014 1035	IR
Data Quality							
Cation Sum	6.51	meq/L		0.01	SM 1030E	09/26/2014 800	JJ
Anion Sum	6.50	meq/L		0.01	SM 1030E	09/26/2014 800	JJ
Cation-Anion Balance (± 5%)	0.09	%		0.01	SM 1030E	09/26/2014 800	JJ
Solids, Total Dissolved (Calc)	380	mg/L		10	SM 1030E	09/26/2014 800	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	10/13/2014 1211	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
Your Environmental Monitoring Partner
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

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

Date Reported 10/29/2014
Report ID S1409342001

ProjectName: MUB GL8
Lab ID: S1409342-001
ClientSample ID: BM-038
COC: 155223

WorkOrder: S1409342
CollectionDate: 9/15/2014 2:38:00 PM
DateReceived: 9/17/2014 11:50:00 AM
FieldSampler: GT/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/18/2014 437	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/18/2014 1527	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/18/2014 1527	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/18/2014 437	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/18/2014 437	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/18/2014 1527	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/18/2014 437	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/18/2014 1527	MS
Iron	0.34	mg/L		0.05	EPA 200.7	09/18/2014 437	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/18/2014 1527	MS
Manganese	0.05	mg/L		0.01	EPA 200.7	09/18/2014 437	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/23/2014 1050	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/18/2014 1527	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/18/2014 437	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/18/2014 1527	MS
Uranium	0.0319	mg/L		0.0003	EPA 200.8	09/18/2014 1527	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/18/2014 1527	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/18/2014 437	DG
Metals - Total							
Iron	2.02	mg/L		0.05	EPA 200.7	09/19/2014 750	DG
Manganese	0.06	mg/L		0.01	EPA 200.7	09/19/2014 750	DG
Radionuclides - Dissolved							
Gross Alpha	37.9	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	3.1	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	16.5	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.9	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	10.8	pCi/L		0.2	SM 7500 Ra-B	10/07/2014 845	MB
Radium 226 Precision (±)	0.4	pCi/L			SM 7500 Ra-B	10/07/2014 845	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/24/2014 1113	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/24/2014 1113	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/29/2014
Report ID S1409342001

ProjectName: MUB GL8
Lab ID: S1409342-002
ClientSample ID: BM-057
COC: 155223

WorkOrder: S1409342
CollectionDate: 9/15/2014 7:43:00 AM
DateReceived: 9/17/2014 11:50:00 AM
FieldSampler: GT/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	170	mg/L		5	SM 2320B	09/18/2014 1754	BT
Alkalinity, Bicarbonate as HCO3	204	mg/L		5	SM 2320B	09/18/2014 1754	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/18/2014 1754	BT
Chloride	4	mg/L		1	EPA 300.0	09/19/2014 2313	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/18/2014 1754	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/25/2014 1710	AMB
Sulfate	103	mg/L		1	EPA 300.0	09/19/2014 2313	AB
Calcium	46	mg/L		1	EPA 200.7	09/18/2014 439	DG
Magnesium	10	mg/L		1	EPA 200.7	09/18/2014 439	DG
Potassium	6	mg/L		1	EPA 200.7	09/18/2014 439	DG
Sodium	54	mg/L		1	EPA 200.7	09/18/2014 439	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/23/2014 1651	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/18/2014 439	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/18/2014 1754	BT
Electrical Conductivity	559	µmhos/cm		5	SM 2510B	09/18/2014 1754	BT
Total Dissolved Solids (180)	360	mg/L		10	SM 2540	09/18/2014 1036	IR
Data Quality							
Cation Sum	5.67	meq/L		0.01	SM 1030E	09/26/2014 800	JJ
Anion Sum	5.65	meq/L		0.01	SM 1030E	09/26/2014 800	JJ
Cation-Anion Balance (± 5%)	0.20	%		0.01	SM 1030E	09/26/2014 800	JJ
Solids, Total Dissolved (Calc)	340	mg/L		10	SM 1030E	09/26/2014 800	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.06	dec. %		0.01	Calculation	10/13/2014 1211	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/29/2014
Report ID S1409342001

ProjectName: MUB GL8
Lab ID: S1409342-002
ClientSample ID: BM-057
COC: 155223

WorkOrder: S1409342
CollectionDate: 9/15/2014 7:43:00 AM
DateReceived: 9/17/2014 11:50:00 AM
FieldSampler: GT/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/18/2014 439	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/18/2014 1548	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/18/2014 1548	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/18/2014 439	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/18/2014 439	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/18/2014 1548	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/18/2014 439	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/18/2014 1548	MS
Iron	0.23	mg/L		0.05	EPA 200.7	09/18/2014 439	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/18/2014 1548	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/18/2014 439	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/23/2014 1052	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/18/2014 1548	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/18/2014 439	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/18/2014 1548	MS
Uranium	0.0124	mg/L		0.0003	EPA 200.8	09/18/2014 1548	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/18/2014 1548	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/18/2014 439	DG
Metals - Total							
Iron	0.34	mg/L		0.05	EPA 200.7	09/19/2014 752	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/19/2014 752	DG
Radionuclides - Dissolved							
Gross Alpha	12.4	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	1.8	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	7.6	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	1.4	pCi/L		0.2	SM 7500 Ra-B	10/07/2014 845	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	10/07/2014 845	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/24/2014 1414	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/24/2014 1414	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945
Your Environmental Monitoring Partner

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Alkalinity Sample Type **MBLK** Units: mg/L

BLANK (09/18/14 11:06) RunNo: 112843

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	ND	5					

Alkalinity Sample Type **LCS** Units: mg/L

ATQC (09/18/14 10:55) RunNo: 112843

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	579	5	595		97.3	90 - 110	

Alkalinity Sample Type **DUP** Units: mg/L

S1409343-001AD (09/18/14 18:41) RunNo: 112843

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	96	5	97	0.588		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	79	5	80	0.588		20	

Conductivity Sample Type **MBLK** Units: µmhos/cm

BLANK (09/18/14 11:06) RunNo: 112843

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	ND	5					

Conductivity Sample Type **LCS** Units: µmhos/cm

ATQC (09/18/14 10:55) RunNo: 112843

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	1060	5	1060		99.9	90 - 110	

Conductivity Sample Type **DUP** Units: µmhos/cm

S1409343-001AD (09/18/14 18:41) RunNo: 112843

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	249	5	284	12.3		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Dissolved Mercury by EPA 245.1 - Water Sample Type **MBLK** Units: mg/L

LRB (09/23/14 12:29) RunNo: 112981

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	ND	0.001					

Dissolved Mercury by EPA 245.1 - Water Sample Type **LCS** Units: mg/L

LCS (09/23/14 09:33) RunNo: 112981

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		97.4	85 - 115	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MS** Units: mg/L

S1409343-002D (09/23/14 11:03) RunNo: 112981

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	97.6	70 - 130	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MSD** Units: mg/L

S1409343-002D (09/23/14 11:05) RunNo: 112981

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	1.31	96.4	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/17/14 12:28) RunNo: 112752

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	ND	0.1					
Beryllium	ND	0.01					
Boron	ND	0.1					
Chromium	ND	0.01					
Iron	ND	0.05					
Manganese	ND	0.02					
Nickel	ND	0.01					
Zinc	ND	0.01					

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **LCS** Units: mg/L

DISS LCS Q (09/17/14 12:30) RunNo: 112752

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	1.0	0.1	1		96.0	85 - 115	
Beryllium	1.01	0.01	1		101	85 - 115	
Boron	1.0	0.1	1		97.3	85 - 115	
Chromium	1.02	0.01	1		102	85 - 115	
Iron	0.99	0.05	1		99.2	85 - 115	
Manganese	1.04	0.02	1		104	85 - 115	
Nickel	1.03	0.01	1		103	85 - 115	
Zinc	0.99	0.01	1		99.2	85 - 115	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MS** Units: mg/L

S1409343-005DS (09/18/14 04:55) RunNo: 112752

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.2	0.1	0.25	ND	95.8	70 - 130	
Beryllium	0.270	0.001	0.25	ND	108	70 - 130	
Boron	0.3	0.1	0.25	ND	99.6	70 - 130	
Chromium	0.26	0.01	0.25	ND	102	70 - 130	
Iron	0.66	0.05	0.25	0.44	90.1	70 - 130	
Manganese	0.30	0.01	0.25	0.05	99.0	70 - 130	
Nickel	0.26	0.05	0.25	ND	101	70 - 130	
Zinc	0.25	0.01	0.25	ND	102	70 - 130	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1409343-005DSD (09/18/14 04:58) RunNo: 112752

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.2	10.9	106	20	
Beryllium	0.296	0.001	0.270	9.71	118	20	
Boron	0.4	0.1	0.3	10.8	114	20	
Chromium	0.28	0.01	0.26	11.0	114	20	
Iron	0.69	0.05	0.66	4.77	103	20	
Manganese	0.32	0.01	0.30	8.07	109	20	
Nickel	0.29	0.05	0.26	10.5	112	20	
Zinc	0.28	0.01	0.25	11.5	113	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MBLK** Units: mg/L

MBLK (09/18/14 11:03) RunNo: 112800

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	ND	0.005					
Barium	ND	0.1					
Cadmium	ND	0.001					
Copper	ND	0.01					
Lead	ND	0.02					
Molybdenum	ND	0.02					
Selenium	ND	0.001					
Uranium	ND	0.0003					
Vanadium	ND	0.02					

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **LCS** Units: mg/L

LCS (09/18/14 10:58) RunNo: 112800

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	0.104	0.005	0.1		104	85 - 115	
Barium	0.1	0.1	0.1		103	85 - 115	
Cadmium	0.102	0.001	0.1		102	85 - 115	
Copper	0.11	0.01	0.1		107	85 - 115	
Lead	0.10	0.02	0.1		104	85 - 115	
Molybdenum	0.10	0.02	0.1		104	85 - 115	
Selenium	0.105	0.001	0.1		105	85 - 115	
Uranium	0.102	0.0003	0.1		102	85 - 115	
Vanadium	0.11	0.02	0.1		107	85 - 115	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1409342-001DS (09/18/14 15:38) RunNo: 112800

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.14	0.001	1.1	ND	103	70 - 130	
Barium	1.2	0.1	1.1	ND	102	70 - 130	
Cadmium	1.08	0.001	1.1	ND	98.3	70 - 130	
Copper	1.14	0.01	1.1	ND	104	70 - 130	
Lead	1.12	0.01	1.1	ND	102	70 - 130	
Molybdenum	1.11	0.01	1.1	ND	101	70 - 130	
Selenium	1.10	0.001	1.1	ND	99.9	70 - 130	
Uranium	1.12	0.0003	1.1	0.0319	98.6	70 - 130	
Vanadium	1.1	0.1	1.1	ND	98.8	70 - 130	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MSD** Units: mg/L

S1409342-001DMSD (09/18/14 15:43) RunNo: 112800

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.15	0.001	1.14	1.08	104	20	
Barium	1.2	0.1	1.2	1.52	104	20	
Cadmium	1.11	0.001	1.08	2.51	101	20	
Copper	1.15	0.01	1.14	0.522	105	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MSD** Units: mg/L

S1409342-001DMSD (09/18/14 15:43)	RunNo: 112800						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Lead	1.12	0.01	1.12	0.446	102	20	
Molybdenum	1.12	0.01	1.11	0.361	101	20	
Selenium	1.12	0.001	1.10	1.82	102	20	
Uranium	1.14	0.0003	1.12	1.82	100	20	
Vanadium	1.1	0.1	1.1	2.94	102	20	

Fluoride by SM 4500 Sample Type **MBLK** Units: mg/L

BLANK (09/18/14 11:06)	RunNo: 112843						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	ND	0.1					

Fluoride by SM 4500 Sample Type **LCS** Units: mg/L

ATQC (09/18/14 10:55)	RunNo: 112843						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.9	0.1	3		95.5	85 - 115	

Fluoride by SM 4500 Sample Type **MS** Units: mg/L

S1409342-002ASPK MS (09/18/14 18:10)	RunNo: 112843						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.3	0.1	2.5	0.2	83.2	80 - 120	

Fluoride by SM 4500 Sample Type **MSD** Units: mg/L

S1409342-002ASPK MSD (09/18/14 18:14)	RunNo: 112843						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.6	0.1	2.3	13.7	95.5	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Gross Alpha, Beta by SM 7110B Sample Type **MBLK** Units: pCi/L

MB-272 (10/09/14 15:28) RunNo: 113906 PrepDate: 10/07/14 0:00 BatchID R113906

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

Gross Alpha, Beta by SM 7110B Sample Type **LCS** Units: pCi/L

LCS-272 (10/09/14 15:28) RunNo: 113906 PrepDate: 10/07/14 0:00 BatchID R113906

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	74	2	71.2		104	50 - 150	
Gross Beta (Dissolved)	137	3	120		114	79.4 - 124	

Gross Alpha, Beta by SM 7110B Sample Type **MS** Units: pCi/L

S1409268-024F MSA (10/09/14 15:28) RunNo: 113906 PrepDate: 10/07/14 0:00 BatchID R113906

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	49	2	71.2	ND	68.8	50 - 150	
Gross Beta (Dissolved)	163	3	120	7	129	61.1 - 140	

Gross Alpha, Beta by SM 7110B Sample Type **DUP** Units: pCi/L

S1409268-025F DUP (10/09/14 15:28) RunNo: 113906 PrepDate: 10/07/14 0:00 BatchID R113906

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	ND	2	2			20	
Gross Beta (Dissolved)	6	3	7	13.9		20	

Anions by ION Chromatography Sample Type **MBLK** Units: mg/L

BLK (09/19/14 08:51) RunNo: 112863

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

Anions by ION Chromatography Sample Type **LCS** Units: mg/L

DIONEX (09/19/14 09:02) RunNo: 112863

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		99.6	90 - 110	
Sulfate	144	1	150		96.0	90 - 110	

Anions by ION Chromatography Sample Type **MS** Units: mg/L

S1409400-001ASPK (09/19/14 23:47) RunNo: 112863

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	175	1	145	13	112	80 - 120	
Sulfate	1420	1	1090	178	114	80 - 120	

Anions by ION Chromatography Sample Type **MSD** Units: mg/L

S1409400-001ASPK (09/19/14 23:59) RunNo: 112863

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	176	1	175	0.522	112	20	
Sulfate	1420	1	1420	0.423	114	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Cations by ICP (Method 200.7) Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/17/14 12:28) RunNo: 112747

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

Cations by ICP (Method 200.7) Sample Type **LCS** Units: mg/L

CAT LCS IML3 (09/17/14 12:32) RunNo: 112747

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	41	1	40		102	85 - 115	
Magnesium	39	1	40		97.9	85 - 115	
Potassium	41	1	40		103	85 - 115	
Sodium	41	1	40		102	85 - 115	

Cations by ICP (Method 200.7) Sample Type **MS** Units: mg/L

S1409343-005AS (09/18/14 04:55) RunNo: 112747

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	60	1	25	36	96.5	70 - 130	
Magnesium	33	1	25	9	98.5	70 - 130	
Potassium	33	1	25	6	108	70 - 130	
Sodium	34	1	25	10	94.2	70 - 130	

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1409343-005ASD (09/18/14 04:58) RunNo: 112747

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	63	1	60	4.32	107	20	
Magnesium	35	1	33	5.52	106	20	
Potassium	35	1	33	8.02	119	20	
Sodium	37	1	34	7.72	105	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Nitrogen, Ammonia (as N) Sample Type **MBLK** Units: mg/L

BASELINE (09/23/14 14:17)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	ND	0.1					

Nitrogen, Ammonia (as N) Sample Type **LCS** Units: mg/L

QC (09/23/14 14:18)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	4.4	0.1	4.76		93.4	89 - 111	

Nitrogen, Ammonia (as N) Sample Type **MS** Units: mg/L

S1409413-003B (09/23/14 16:24)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.6	0.1	10	ND	95.9	90 - 110	

Nitrogen, Ammonia (as N) Sample Type **MSD** Units: mg/L

S1409413-003B (09/23/14 16:25)	RunNo: 112993						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.1	0.1	9.6	5.27	101	20	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MBLK** Units: mg/L

BLANK (09/25/14 16:22)	RunNo: 113112						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

BLANK (09/25/14 16:22)	RunNo: 113113						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

Nitrogen, Nitrate-Nitrite (as N) Sample Type **LCS** Units: mg/L

QC (09/25/14 16:25)	RunNo: 113112						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	3.9	0.1	3.97		98.3	90 - 110	

QC (09/25/14 16:25)	RunNo: 113113						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	3.9	0.1	3.97		98.3	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MS** Units: mg/L

S1409343-007C (09/25/14 17:21)	RunNo: 113113						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.2	0.1	5	ND	105	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MSD** Units: mg/L

S1409343-007C (09/25/14 17:22)	RunNo: 113112						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.3	0.1	5.2	1.32	106	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Radium 228 by Ga/Tech Sample Type **MBLK** Units: pCi/L

MB-9118 (10/21/14 16:54)	RunNo: 114271	PrepDate: 10/06/14 10:00			BatchID 9118		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

Radium 228 by Ga/Tech Sample Type **LCS** Units: pCi/L

LCS-9118 (10/21/14 19:55)	RunNo: 114271	PrepDate: 10/06/14 10:00			BatchID 9118		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	32	1	40.1		80.8	59.9 - 99.4	

Radium 228 by Ga/Tech Sample Type **LCSD** Units: pCi/L

LCSD-9118 (10/21/14 22:56)	RunNo: 114271	PrepDate: 10/06/14 10:00				BatchID 9118	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	38	1	32	16.8	94.4	20	

Radium 228 by Ga/Tech Sample Type **MS** Units: pCi/L

TAPMS-9118 (10/22/14 04:58)	RunNo: 114271	PrepDate: 10/06/14 10:00			BatchID 9118		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	32	1	40.1	ND	80.8	50.8 - 113	

Radium 228 by Ga/Tech Sample Type **MSD** Units: pCi/L

TAPMSD-9118 (10/22/14 07:59)	RunNo: 114271	PrepDate: 10/06/14 10:00				BatchID 9118	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	29	1	32	10.3	72.5	20	

Radium 226 in Water - Dissolved Sample Type **MBLK** Units: pCi/L

MB-1348 (10/07/14 08:45)	RunNo: 113689	PrepDate: 10/01/14 0:00			BatchID 9019		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

Radium 226 in Water - Dissolved Sample Type **LCS** Units: pCi/L

LCS-1348 (10/07/14 08:45)	RunNo: 113689	PrepDate: 10/01/14 0:00			BatchID 9019		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.0	0.2	5		80.6	71 - 120	

Radium 226 in Water - Dissolved Sample Type **MS** Units: pCi/L

TAPMS-1348 (10/07/14 08:45)	RunNo: 113689	PrepDate: 10/01/14 0:00			BatchID 9019		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.2	0.2	5	ND	83.0	74.5 - 120	

Radium 226 in Water - Dissolved Sample Type **MSD** Units: pCi/L

TAPMSD-1348 (10/07/14 08:45)	RunNo: 113689	PrepDate: 10/01/14 0:00				BatchID 9019	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	4.0	0.2	4.2	2.71	80.8	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco) **Date:** 10/29/2014
Work Order: S1409342 **Report ID:** S1409342001
Project: MUB GL8

Silica as SiO2 Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/17/14 12:28)	RunNo: 112755						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	ND	0.1					

Silica as SiO2 Sample Type **LCS** Units: mg/L

DISS LCS Q (09/17/14 12:30)	RunNo: 112755						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	2.2	0.1	2.14		101	85 - 115	

Silica as SiO2 Sample Type **MS** Units: mg/L

S1409343-012DS (09/18/14 05:25)	RunNo: 112755						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	11	1	0	12	0	80 - 120	

Silica as SiO2 Sample Type **MSD** Units: mg/L

S1409343-012DSD (09/18/14 05:28)	RunNo: 112755						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	11	1	11	1.26		20	

Solids By SM 2540 Sample Type **MBLK** Units: mg/L

DI (09/18/14 10:33)	RunNo: 113048						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	ND	10					

Solids By SM 2540 Sample Type **LCS** Units: mg/L

CONTROL (09/18/14 10:34)	RunNo: 113048						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	240	10	226		108	90 - 110	

Solids By SM 2540 Sample Type **DUP** Units: mg/L

S1409343-008A (09/18/14 10:45)	RunNo: 113048						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	380	10	390	3.59		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409342
Project: MUB GL8

Date: 10/29/2014
Report ID: S1409342001

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MBLK** Units: mg/L

MB-8883 (09/18/14 16:56) RunNo: 112828 PrepDate: 09/18/14 7:00 BatchID 8883

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	ND	0.05					
Manganese	ND	0.02					

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **LCS** Units: mg/L

LCS-8883 (09/19/14 08:45) RunNo: 112828 PrepDate: 09/18/14 7:00 BatchID 8883

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.48	0.05	0.5		96.8	85 - 115	
Manganese	0.19	0.02	0.2		96.9	85 - 115	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MS** Units: mg/L

S1409343-004ES (09/19/14 08:12) RunNo: 112828 PrepDate: 09/18/14 7:00 BatchID 8883

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.92	0.05	0.5	0.42	100	70 - 130	
Manganese	0.27	0.01	0.2	0.08	96.7	70 - 130	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MSD** Units: mg/L

S1409343-004EMSD (09/19/14 08:14) RunNo: 112828 PrepDate: 09/18/14 7:00 BatchID 8883

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	0.90	0.05	0.92	1.24	97.8	20	
Manganese	0.27	0.01	0.27	0.930	98.0	20	

pH Water Sample Type **LCS** Units: s.u.

ATQC (09/18/14 10:55) RunNo: 112843

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	8.8	0.1	8.74		101	90 - 110	

pH Water Sample Type **DUP** Units: s.u.

S1409343-001AD (09/18/14 18:41) RunNo: 112843

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	7.6	0.1	7.6	0.897		20	

Qualifiers:

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

Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

155547

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Cameco Resources	MU B GL8	[signature] Kath Amos	307 358 6541

Report Address	Contact Name
PO Box 1210 Glenrock WY 82637	Larry Wilbanks
	Email: Larry_Wilbanks@cameco.com
Invoice Address	Phone: 307 358 6541 x427
	Purchase Order # / Quote #

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	GL8	Cooler Temp	REMARKS Filtered + Preserved in field
1	S1409268-001	9-11-14	313	BM-020	WT	6		0.7	
2	002		245	BM-021				0.7	
3	003		223	BM-022				0.7	
4	004		950	BM-023				0.7	
5	005		925	BM-024				0.1	
6	006		900	BM-025				0.1	
7	007		822	BM-026				0.1	
8	008		1113	BM-027				0.7	
9	009		1040	BM-028				0.7	
10	010		1141	BM-029				0.7	
11	011		1203	BM-030				0.7	
12	012		1222	BM-031				0.7	
13	013		1253	BM 032				0.7	
14	014		121	BM-033				0.7	

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
	[signature] Kath Amos	9-12-14	700	[signature] / Ed LaCour	9/12/14	3:00
	[signature] / Ed LaCour	9/12/14	420	Kathy Boys	9.15.14	10:03

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

Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

155546

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Conoco Resources	MUB GL8	Kathy Amos	307 358 0544

Report Address	Contact Name	Email	Phone
PO Box 1210 Pinedale WY 82637	Larry Wilbanks	Larry_Wilbanks@conoco.com	

Invoice Address:

Purchase Order #:

Quote #:

ANALYSES / PARAMETERS: GL8; Labile Temp

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	GL8	Labile Temp	REMARKS
1	1514092685	9-11-14	148	BM-034	WT	6		0.4	Filtered-Preserved in field
2	016		214	BM-035				0.2	
3	017		234	BM-036				0.4	
4	018		258	BM-037				0.4	
5	019		825	BM-039				0.8	
6	020		757	BM-040				0.4	
7	021		727	BM-041				0.4	
8	022		705	BM-042				0.4	
9	023		859	BM-043				0.0	
10	024		927	BM-044				0.0	
11	025		953	BM-045				0.5	
12	026		1022	BM-046				0.5	
13	027		1049	BM-047				0.5	
14	028		1115	BM-048				0.2	

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
	Kathy Amos	9/12/14	760	Ed LaCoss Ted LaCoss	9/12/14	5:00
	Ed LaCoss Ted LaCoss	9/14/14	420	Kathy Poor	9.15.14	10:03

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

Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

155548

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Cameco Resources	MU B GL8	[signature] Kath Amos	307 358 6541

Report Address	Contact Name
PO Box 1210 Glenrock Wy 82637	Larry Wilbanks
	Email Larry-wilbanks@cameco.com
Invoice Address	Phone
	Purchase Order # / Quote #

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	GL8	Cooler Temp	REMARKS Filtered - Preserved in field
1	S1409268 29	9-11-14	342	BM050	WT	6		0.4	
2	30		407	BM 051				0.7	
3	31		401	BM 055				0.1	
4	32		336	BM 056				0.1	
5	33		1142	BM 058				0.2	
6	34		446	BM-059				0.6	
7	35		1210	BM 060				0.6	
8	36		1239	BM 061				0.2	
9	37		139	BM 62				0.2	
10	38		513	BM 063				0.1	
11	39		447	BM 064				0.7	
12									
13									
14									

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
	[signature] Kath Amos	9/12/14	7:00	[signature] Ed LaCour	9/12/14	3:00
	[signature] Ed LaCour	9/12/14	4:20	Kathy Boyd	9.15.14	10:03

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

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Date: 10/23/2014

CLIENT: Power Resources (Cameco)
Project: MU B GL-8
Lab Order: S1409268

CASE NARRATIVE

Report ID: S1409268001

Samples BM-020, BM-021, BM-022, BM-023, BM-024, BM-025, BM-026, BM-027, BM-028, BM-029, BM-030, BM-031, BM-032, BM-033, BM-034, BM-035, BM-036, BM-037, BM-039, BM-040, BM-041, BM-042, BM-043, BM-044, BM-045, BM-046, BM-047, BM-048, BM-050, BM-051, BM-055, BM-056, BM-058, BM-059, BM-060, BM-061, BM-062, BM-063, and BM-064 were received on September 15, 2014.

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.

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-001
ClientSample ID: BM-020
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 3:13:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	170	mg/L		5	SM 2320B	09/16/2014 1407	BT
Alkalinity, Bicarbonate as HCO3	199	mg/L		5	SM 2320B	09/16/2014 1407	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1407	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1517	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1407	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1337	AMB
Sulfate	77	mg/L		1	EPA 300.0	09/16/2014 1517	AB
Calcium	38	mg/L		1	EPA 200.7	09/16/2014 1244	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1244	DG
Potassium	5	mg/L		1	EPA 200.7	09/16/2014 1244	DG
Sodium	55	mg/L		1	EPA 200.7	09/16/2014 1244	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1425	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	09/16/2014 1244	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1407	BT
Electrical Conductivity	505	µmhos/cm		5	SM 2510B	09/16/2014 1407	BT
Total Dissolved Solids (180)	290	mg/L		10	SM 2540	09/18/2014 1243	IR
Data Quality							
Cation Sum	5.15	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.09	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.54	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	300	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-001
ClientSample ID: BM-020
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 3:13:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1244	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2205	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2205	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1244	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1244	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2205	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1244	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2205	MS
Iron	0.35	mg/L		0.05	EPA 200.7	09/16/2014 1244	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2205	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1244	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1024	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2205	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1244	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2205	MS
Uranium	0.0076	mg/L		0.0003	EPA 200.8	09/15/2014 2205	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2205	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1244	DG
Metals - Total							
Iron	1.91	mg/L		0.05	EPA 200.7	09/17/2014 2100	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2100	DG
Radionuclides - Dissolved							
Gross Alpha	6.5	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	1.2	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	5.9	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	1.1	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/29/2014 1941	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/29/2014 1941	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-002
ClientSample ID: BM-021
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:45:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	170	mg/L		5	SM 2320B	09/16/2014 1419	BT
Alkalinity, Bicarbonate as HCO3	204	mg/L		5	SM 2320B	09/16/2014 1419	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1419	BT
Chloride	4	mg/L		1	EPA 300.0	09/16/2014 1531	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1419	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1339	AMB
Sulfate	76	mg/L		1	EPA 300.0	09/16/2014 1531	AB
Calcium	40	mg/L		1	EPA 200.7	09/16/2014 1314	DG
Magnesium	10	mg/L		1	EPA 200.7	09/16/2014 1314	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1314	DG
Sodium	53	mg/L		1	EPA 200.7	09/16/2014 1314	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1426	AMB
Silica as SiO2	18	mg/L		1	EPA 200.7	09/16/2014 1314	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1419	BT
Electrical Conductivity	449	µmhos/cm		5	SM 2510B	09/16/2014 1419	BT
Total Dissolved Solids (180)	300	mg/L		10	SM 2540	09/18/2014 1244	IR
Data Quality							
Cation Sum	5.26	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.11	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.39	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-002
ClientSample ID: BM-021
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:45:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1314	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2237	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2237	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1314	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1314	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2237	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1314	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2237	MS
Iron	0.15	mg/L		0.05	EPA 200.7	09/16/2014 1314	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2237	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1314	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1032	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2237	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1314	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2237	MS
Uranium	0.0140	mg/L		0.0003	EPA 200.8	09/15/2014 2237	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2237	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1314	DG
Metals - Total							
Iron	0.18	mg/L		0.05	EPA 200.7	09/17/2014 2105	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2105	DG
Radionuclides - Dissolved							
Gross Alpha	17.7	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	2.1	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	9.3	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.8	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	3.3	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/29/2014 2242	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/29/2014 2242	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-003
ClientSample ID: BM-022
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:23:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	188	mg/L		5	SM 2320B	09/16/2014 1432	BT
Alkalinity, Bicarbonate as HCO3	228	mg/L		5	SM 2320B	09/16/2014 1432	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1432	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1546	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 1432	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1340	AMB
Sulfate	78	mg/L		1	EPA 300.0	09/16/2014 1546	AB
Calcium	46	mg/L		1	EPA 200.7	09/16/2014 1316	DG
Magnesium	10	mg/L		1	EPA 200.7	09/16/2014 1316	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1316	DG
Sodium	47	mg/L		1	EPA 200.7	09/16/2014 1316	DG
Nitrogen, Ammonia (As N)	0.7	mg/L		0.1	EPA 350.1	09/23/2014 1427	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/16/2014 1316	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1432	BT
Electrical Conductivity	524	µmhos/cm		5	SM 2510B	09/16/2014 1432	BT
Total Dissolved Solids (180)	290	mg/L		10	SM 2540	09/18/2014 1245	IR
Data Quality							
Cation Sum	5.40	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.46	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.57	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	320	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.91	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-003
ClientSample ID: BM-022
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:23:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1316	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2242	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2242	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1316	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1316	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2242	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1316	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2242	MS
Iron	0.76	mg/L		0.05	EPA 200.7	09/16/2014 1316	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2242	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/16/2014 1316	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1033	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2242	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1316	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2242	MS
Uranium	0.0004	mg/L		0.0003	EPA 200.8	09/15/2014 2242	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2242	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1316	DG
Metals - Total							
Iron	1.86	mg/L		0.05	EPA 200.7	09/17/2014 2118	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2118	DG
Radionuclides - Dissolved							
Gross Alpha	13.4	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	1.8	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	9.0	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	3.4	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 143	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 143	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-004
ClientSample ID: BM-023
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:50:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	175	mg/L		5	SM 2320B	09/16/2014 1443	BT
Alkalinity, Bicarbonate as HCO3	208	mg/L		5	SM 2320B	09/16/2014 1443	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1443	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1712	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1443	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1341	AMB
Sulfate	77	mg/L		1	EPA 300.0	09/16/2014 1712	AB
Calcium	42	mg/L		1	EPA 200.7	09/16/2014 1318	DG
Magnesium	10	mg/L		1	EPA 200.7	09/16/2014 1318	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1318	DG
Sodium	53	mg/L		1	EPA 200.7	09/16/2014 1318	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/23/2014 1428	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/16/2014 1318	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1443	BT
Electrical Conductivity	513	µmhos/cm		5	SM 2510B	09/16/2014 1443	BT
Total Dissolved Solids (180)	310	mg/L		10	SM 2540	09/18/2014 1246	IR
Data Quality							
Cation Sum	5.39	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.21	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.70	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-004
ClientSample ID: BM-023
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:50:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1318	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2248	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2248	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1318	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1318	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2248	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1318	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2248	MS
Iron	0.20	mg/L		0.05	EPA 200.7	09/16/2014 1318	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2248	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1318	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1035	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2248	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1318	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2248	MS
Uranium	0.0105	mg/L		0.0003	EPA 200.8	09/15/2014 2248	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2248	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1318	DG
Metals - Total							
Iron	0.94	mg/L		0.05	EPA 200.7	09/17/2014 2121	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2121	DG
Radionuclides - Dissolved							
Gross Alpha	14.4	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	1.8	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	9.7	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	3.4	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 444	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 444	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-005
ClientSample ID: BM-024
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:25:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	170	mg/L		5	SM 2320B	09/16/2014 1511	BT
Alkalinity, Bicarbonate as HCO3	202	mg/L		5	SM 2320B	09/16/2014 1511	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1511	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1726	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1511	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1342	AMB
Sulfate	80	mg/L		1	EPA 300.0	09/16/2014 1726	AB
Calcium	41	mg/L		1	EPA 200.7	09/16/2014 1320	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1320	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1320	DG
Sodium	51	mg/L		1	EPA 200.7	09/16/2014 1320	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/23/2014 1429	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1320	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1511	BT
Electrical Conductivity	498	µmhos/cm		5	SM 2510B	09/16/2014 1511	BT
Total Dissolved Solids (180)	290	mg/L		10	SM 2540	09/18/2014 1247	IR
Data Quality							
Cation Sum	5.21	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.16	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.52	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.94	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-005
ClientSample ID: BM-024
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:25:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1320	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2253	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2253	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1320	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1320	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2253	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1320	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2253	MS
Iron	0.30	mg/L		0.05	EPA 200.7	09/16/2014 1320	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2253	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1320	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1037	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2253	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1320	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2253	MS
Uranium	0.0112	mg/L		0.0003	EPA 200.8	09/15/2014 2253	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2253	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1320	DG
Metals - Total							
Iron	0.40	mg/L		0.05	EPA 200.7	09/17/2014 2123	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2123	DG
Radionuclides - Dissolved							
Gross Alpha	19.9	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	2.2	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	11.1	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.8	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	4.0	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 745	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 745	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-006
ClientSample ID: BM-025
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:00:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	161	mg/L		5	SM 2320B	09/16/2014 1522	BT
Alkalinity, Bicarbonate as HCO3	191	mg/L		5	SM 2320B	09/16/2014 1522	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1522	BT
Chloride	9	mg/L		1	EPA 300.0	09/16/2014 1741	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1522	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1343	AMB
Sulfate	81	mg/L		1	EPA 300.0	09/16/2014 1741	AB
Calcium	42	mg/L		1	EPA 200.7	09/16/2014 1322	DG
Magnesium	8	mg/L		1	EPA 200.7	09/16/2014 1322	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1322	DG
Sodium	53	mg/L		1	EPA 200.7	09/16/2014 1322	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/23/2014 1430	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/16/2014 1322	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1522	BT
Electrical Conductivity	497	µmhos/cm		5	SM 2510B	09/16/2014 1522	BT
Total Dissolved Solids (180)	300	mg/L		10	SM 2540	09/18/2014 1248	IR
Data Quality							
Cation Sum	5.25	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.15	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.98	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-006
ClientSample ID: BM-025
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:00:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1322	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2259	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2259	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1322	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1322	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2259	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1322	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2259	MS
Iron	0.17	mg/L		0.05	EPA 200.7	09/16/2014 1322	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2259	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1322	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1039	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2259	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1322	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2259	MS
Uranium	0.0157	mg/L		0.0003	EPA 200.8	09/15/2014 2259	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2259	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1322	DG
Metals - Total							
Iron	0.21	mg/L		0.05	EPA 200.7	09/17/2014 2125	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2125	DG
Radionuclides - Dissolved							
Gross Alpha	24.6	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	2.4	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	13.2	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.8	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	4.7	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 1046	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 1046	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-007
ClientSample ID: BM-026
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 8:22:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	161	mg/L		5	SM 2320B	09/16/2014 1533	BT
Alkalinity, Bicarbonate as HCO3	192	mg/L		5	SM 2320B	09/16/2014 1533	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1533	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1755	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1533	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1352	AMB
Sulfate	84	mg/L		1	EPA 300.0	09/16/2014 1755	AB
Calcium	39	mg/L		1	EPA 200.7	09/16/2014 1325	DG
Magnesium	8	mg/L		1	EPA 200.7	09/16/2014 1325	DG
Potassium	7	mg/L		1	EPA 200.7	09/16/2014 1325	DG
Sodium	57	mg/L		1	EPA 200.7	09/16/2014 1325	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1431	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/16/2014 1325	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1533	BT
Electrical Conductivity	494	µmhos/cm		5	SM 2510B	09/16/2014 1533	BT
Total Dissolved Solids (180)	290	mg/L		10	SM 2540	09/18/2014 1249	IR
Data Quality							
Cation Sum	5.25	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.07	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.76	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.94	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-007
ClientSample ID: BM-026
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 8:22:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1325	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2304	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2304	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1325	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1325	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2304	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1325	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2304	MS
Iron	0.35	mg/L		0.05	EPA 200.7	09/16/2014 1325	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2304	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1325	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1041	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2304	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1325	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2304	MS
Uranium	0.0107	mg/L		0.0003	EPA 200.8	09/15/2014 2304	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2304	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1325	DG
Metals - Total							
Iron	0.48	mg/L		0.05	EPA 200.7	09/17/2014 2127	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2127	DG
Radionuclides - Dissolved							
Gross Alpha	19.7	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	2.1	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	15.6	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	1.9	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	3.0	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	2.5	pCi/L		1	Ga-Tech	09/30/2014 1346	MB
Radium 228 Precision (±)	1.0	pCi/L			Ga-Tech	09/30/2014 1346	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-008
ClientSample ID: BM-027
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:13:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	260	mg/L		5	SM 2320B	09/16/2014 1545	BT
Alkalinity, Bicarbonate as HCO3	317	mg/L		5	SM 2320B	09/16/2014 1545	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1545	BT
Chloride	7	mg/L		1	EPA 300.0	09/16/2014 1809	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 1545	BT
Nitrogen, Nitrate+Nitrite (as N)	0.7	mg/L		0.1	EPA 353.2	09/24/2014 1353	AMB
Sulfate	225	mg/L		1	EPA 300.0	09/16/2014 1809	AB
Calcium	115	mg/L		1	EPA 200.7	09/16/2014 1329	DG
Magnesium	32	mg/L		1	EPA 200.7	09/16/2014 1329	DG
Potassium	11	mg/L		1	EPA 200.7	09/16/2014 1329	DG
Sodium	51	mg/L		1	EPA 200.7	09/16/2014 1329	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1438	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1329	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/16/2014 1545	BT
Electrical Conductivity	957	µmhos/cm		5	SM 2510B	09/16/2014 1545	BT
Total Dissolved Solids (180)	670	mg/L		10	SM 2540	09/18/2014 1250	IR
Data Quality							
Cation Sum	10.85	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	10.14	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.40	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	620	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-008
ClientSample ID: BM-027
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:13:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1329	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2309	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2309	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1329	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1329	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2309	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1329	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2309	MS
Iron	0.25	mg/L		0.05	EPA 200.7	09/16/2014 1329	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2309	MS
Manganese	0.05	mg/L		0.01	EPA 200.7	09/16/2014 1329	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1043	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2309	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1329	DG
Selenium	0.005	mg/L		0.001	EPA 200.8	09/15/2014 2309	MS
Uranium	0.0314	mg/L		0.0003	EPA 200.8	09/15/2014 2309	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2309	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1329	DG
Metals - Total							
Iron	5.51	mg/L		0.05	EPA 200.7	09/17/2014 2130	DG
Manganese	0.09	mg/L		0.01	EPA 200.7	09/17/2014 2130	DG
Radionuclides - Dissolved							
Gross Alpha	24.9	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	2.9	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	19.1	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	2.1	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	5.2	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 1647	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 1647	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-009
ClientSample ID: BM-028
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 10:40:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	168	mg/L		5	SM 2320B	09/16/2014 1557	BT
Alkalinity, Bicarbonate as HCO3	200	mg/L		5	SM 2320B	09/16/2014 1557	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1557	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1824	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1557	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1354	AMB
Sulfate	87	mg/L		1	EPA 300.0	09/16/2014 1824	AB
Calcium	44	mg/L		1	EPA 200.7	09/16/2014 1343	DG
Magnesium	10	mg/L		1	EPA 200.7	09/16/2014 1343	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1343	DG
Sodium	53	mg/L		1	EPA 200.7	09/16/2014 1343	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1439	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1343	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1557	BT
Electrical Conductivity	510	µmhos/cm		5	SM 2510B	09/16/2014 1557	BT
Total Dissolved Solids (180)	300	mg/L		10	SM 2540	09/18/2014 1251	IR
Data Quality							
Cation Sum	5.41	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.27	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.32	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	320	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.94	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-009
ClientSample ID: BM-028
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 10:40:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1343	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2315	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2315	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1343	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1343	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2315	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1343	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2315	MS
Iron	0.18	mg/L		0.05	EPA 200.7	09/16/2014 1343	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2315	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1343	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1045	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2315	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1343	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2315	MS
Uranium	0.0160	mg/L		0.0003	EPA 200.8	09/15/2014 2315	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2315	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1343	DG
Metals - Total							
Iron	0.95	mg/L		0.05	EPA 200.7	09/17/2014 2132	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2132	DG
Radionuclides - Dissolved							
Gross Alpha	23.5	pCi/L		2	SM 7110B	10/07/2014 1310	MB
Gross Alpha Precision (±)	2.3	pCi/L			SM 7110B	10/07/2014 1310	MB
Gross Beta	12.2	pCi/L		3	SM 7110B	10/07/2014 1310	MB
Gross Beta Precision (±)	1.8	pCi/L			SM 7110B	10/07/2014 1310	MB
Radium 226	4.1	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1050	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1050	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 1948	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 1948	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-010
ClientSample ID: BM-029
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:41:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	153	mg/L		5	SM 2320B	09/16/2014 1620	BT
Alkalinity, Bicarbonate as HCO3	182	mg/L		5	SM 2320B	09/16/2014 1620	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1620	BT
Chloride	4	mg/L		1	EPA 300.0	09/16/2014 1838	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1620	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1355	AMB
Sulfate	85	mg/L		1	EPA 300.0	09/16/2014 1838	AB
Calcium	39	mg/L		1	EPA 200.7	09/16/2014 1345	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1345	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1345	DG
Sodium	54	mg/L		1	EPA 200.7	09/16/2014 1345	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1440	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1345	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1620	BT
Electrical Conductivity	476	µmhos/cm		5	SM 2510B	09/16/2014 1620	BT
Total Dissolved Solids (180)	280	mg/L		10	SM 2540	09/18/2014 1252	IR
Data Quality							
Cation Sum	5.14	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	4.94	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.96	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	300	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.93	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-010
ClientSample ID: BM-029
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:41:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1345	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2320	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2320	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1345	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1345	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2320	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1345	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2320	MS
Iron	0.20	mg/L		0.05	EPA 200.7	09/16/2014 1345	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2320	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1345	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1047	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2320	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1345	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2320	MS
Uranium	0.0094	mg/L		0.0003	EPA 200.8	09/15/2014 2320	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2320	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1345	DG
Metals - Total							
Iron	2.04	mg/L		0.05	EPA 200.7	09/17/2014 2143	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2143	DG
Radionuclides - Dissolved							
Gross Alpha	11.3	pCi/L		2	SM 7110B	10/07/2014 1310	MB
Gross Alpha Precision (±)	1.6	pCi/L			SM 7110B	10/07/2014 1310	MB
Gross Beta	9.5	pCi/L		3	SM 7110B	10/07/2014 1310	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/07/2014 1310	MB
Radium 226	1.9	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/30/2014 2249	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/30/2014 2249	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-011
ClientSample ID: BM-030
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:03:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	168	mg/L		5	SM 2320B	09/16/2014 1632	BT
Alkalinity, Bicarbonate as HCO3	200	mg/L		5	SM 2320B	09/16/2014 1632	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1632	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1852	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1632	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1356	AMB
Sulfate	91	mg/L		1	EPA 300.0	09/16/2014 1852	AB
Calcium	42	mg/L		1	EPA 200.7	09/16/2014 1347	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1347	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1347	DG
Sodium	57	mg/L		1	EPA 200.7	09/16/2014 1347	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/23/2014 1441	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1347	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1632	BT
Electrical Conductivity	507	µmhos/cm		5	SM 2510B	09/16/2014 1632	BT
Total Dissolved Solids (180)	330	mg/L		10	SM 2540	09/18/2014 1254	IR
Data Quality							
Cation Sum	5.46	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.34	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.09	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	330	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-011
ClientSample ID: BM-030
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:03:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1347	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2337	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2337	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1347	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1347	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2337	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1347	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2337	MS
Iron	0.24	mg/L		0.05	EPA 200.7	09/16/2014 1347	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2337	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1347	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1057	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2337	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1347	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2337	MS
Uranium	0.0086	mg/L		0.0003	EPA 200.8	09/15/2014 2337	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2337	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1347	DG
Metals - Total							
Iron	0.38	mg/L		0.05	EPA 200.7	09/17/2014 2150	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2150	DG
Radionuclides - Dissolved							
Gross Alpha	11.1	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	11.3	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	1.9	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/01/2014 150	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/01/2014 150	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-012
ClientSample ID: BM-031
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:22:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	189	mg/L		5	SM 2320B	09/16/2014 1706	BT
Alkalinity, Bicarbonate as HCO3	226	mg/L		5	SM 2320B	09/16/2014 1706	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1706	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1907	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1706	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1357	AMB
Sulfate	99	mg/L		1	EPA 300.0	09/16/2014 1907	AB
Calcium	42	mg/L		1	EPA 200.7	09/16/2014 1349	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1349	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1349	DG
Sodium	57	mg/L		1	EPA 200.7	09/16/2014 1349	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1442	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/16/2014 1349	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1706	BT
Electrical Conductivity	515	µmhos/cm		5	SM 2510B	09/16/2014 1706	BT
Total Dissolved Solids (180)	320	mg/L		10	SM 2540	09/18/2014 1255	IR
Data Quality							
Cation Sum	5.48	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.92	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.90	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	350	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.91	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-012
ClientSample ID: BM-031
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:22:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1349	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/15/2014 2357	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2357	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1349	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1349	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2357	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1349	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/15/2014 2357	MS
Iron	0.95	mg/L		0.05	EPA 200.7	09/16/2014 1349	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/15/2014 2357	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1349	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1104	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/15/2014 2357	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1349	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/15/2014 2357	MS
Uranium	0.0089	mg/L		0.0003	EPA 200.8	09/15/2014 2357	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/15/2014 2357	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1349	DG
Metals - Total							
Iron	0.91	mg/L		0.05	EPA 200.7	09/17/2014 2152	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2152	DG
Radionuclides - Dissolved							
Gross Alpha	10.3	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	7.5	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	1.8	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/01/2014 450	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/01/2014 450	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-013
ClientSample ID: BM-032
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:53:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	164	mg/L		5	SM 2320B	09/16/2014 1717	BT
Alkalinity, Bicarbonate as HCO3	195	mg/L		5	SM 2320B	09/16/2014 1717	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1717	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 1921	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1717	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1359	AMB
Sulfate	95	mg/L		1	EPA 300.0	09/16/2014 1921	AB
Calcium	43	mg/L		1	EPA 200.7	09/16/2014 1352	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1352	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1352	DG
Sodium	54	mg/L		1	EPA 200.7	09/16/2014 1352	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/23/2014 1443	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/16/2014 1352	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1717	BT
Electrical Conductivity	503	µmhos/cm		5	SM 2510B	09/16/2014 1717	BT
Total Dissolved Solids (180)	330	mg/L		10	SM 2540	09/18/2014 1256	IR
Data Quality							
Cation Sum	5.37	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.34	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.28	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	320	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-013
ClientSample ID: BM-032
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:53:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1352	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 003	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 003	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1352	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1352	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 003	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1352	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 003	MS
Iron	0.26	mg/L		0.05	EPA 200.7	09/16/2014 1352	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 003	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1352	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1106	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 003	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1352	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 003	MS
Uranium	0.0067	mg/L		0.0003	EPA 200.8	09/16/2014 003	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 003	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1352	DG
Metals - Total							
Iron	0.42	mg/L		0.05	EPA 200.7	09/17/2014 2154	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2154	DG
Radionuclides - Dissolved							
Gross Alpha	31.7	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	2.6	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	19.7	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.9	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	19.5	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.6	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/01/2014 751	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/01/2014 751	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-014
ClientSample ID: BM-033
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 1:21:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	163	mg/L		5	SM 2320B	09/16/2014 1728	BT
Alkalinity, Bicarbonate as HCO3	194	mg/L		5	SM 2320B	09/16/2014 1728	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1728	BT
Chloride	4	mg/L		1	EPA 300.0	09/16/2014 2101	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1728	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1400	AMB
Sulfate	119	mg/L		1	EPA 300.0	09/18/2014 1148	AB
Calcium	51	mg/L		1	EPA 200.7	09/16/2014 1354	DG
Magnesium	11	mg/L		1	EPA 200.7	09/16/2014 1354	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1354	DG
Sodium	56	mg/L		1	EPA 200.7	09/16/2014 1354	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/23/2014 1444	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1354	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1728	BT
Electrical Conductivity	548	µmhos/cm		5	SM 2510B	09/16/2014 1728	BT
Total Dissolved Solids (180)	360	mg/L		10	SM 2540	09/18/2014 1257	IR
Data Quality							
Cation Sum	6.02	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.84	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.43	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-014
ClientSample ID: BM-033
COC: 155547

WorkOrder: S1409268
CollectionDate: 9/11/2014 1:21:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1354	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 008	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 008	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1354	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1354	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 008	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1354	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 008	MS
Iron	0.33	mg/L		0.05	EPA 200.7	09/16/2014 1354	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 008	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/16/2014 1354	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1108	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 008	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1354	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 008	MS
Uranium	0.0117	mg/L		0.0003	EPA 200.8	09/16/2014 008	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 008	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1354	DG
Metals - Total							
Iron	0.60	mg/L		0.05	EPA 200.7	09/17/2014 2157	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2157	DG
Radionuclides - Dissolved							
Gross Alpha	12.8	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	1.7	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	10.4	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.6	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	2.3	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	1.6	pCi/L		1	Ga-Tech	10/01/2014 1052	MB
Radium 228 Precision (±)	1.0	pCi/L			Ga-Tech	10/01/2014 1052	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-015
ClientSample ID: BM-034
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 1:48:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	176	mg/L		5	SM 2320B	09/16/2014 1740	BT
Alkalinity, Bicarbonate as HCO3	206	mg/L		5	SM 2320B	09/16/2014 1740	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1740	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 2116	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1740	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1401	AMB
Sulfate	75	mg/L		1	EPA 300.0	09/18/2014 1203	AB
Calcium	40	mg/L		1	EPA 200.7	09/16/2014 1358	DG
Magnesium	10	mg/L		1	EPA 200.7	09/16/2014 1358	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1358	DG
Sodium	56	mg/L		1	EPA 200.7	09/16/2014 1358	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/23/2014 1445	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1358	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1740	BT
Electrical Conductivity	494	µmhos/cm		5	SM 2510B	09/16/2014 1740	BT
Total Dissolved Solids (180)	300	mg/L		10	SM 2540	09/18/2014 1258	IR
Data Quality							
Cation Sum	5.39	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.18	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.97	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-015
ClientSample ID: BM-034
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 1:48:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1358	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 014	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 014	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1358	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1358	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 014	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1358	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 014	MS
Iron	ND	mg/L		0.05	EPA 200.7	09/18/2014 1436	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 014	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1358	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1110	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 014	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1358	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 014	MS
Uranium	0.0092	mg/L		0.0003	EPA 200.8	09/16/2014 014	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 014	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1358	DG
Metals - Total							
Iron	0.40	mg/L		0.05	EPA 200.7	09/17/2014 2159	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2159	DG
Radionuclides - Dissolved							
Gross Alpha	ND	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	NA	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	7.1	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	0.4	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/01/2014 1353	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/01/2014 1353	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-016
ClientSample ID: BM-035
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:14:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	204	mg/L		5	SM 2320B	09/16/2014 1752	BT
Alkalinity, Bicarbonate as HCO3	244	mg/L		5	SM 2320B	09/16/2014 1752	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1752	BT
Chloride	4	mg/L		1	EPA 300.0	09/16/2014 2130	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1752	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1402	AMB
Sulfate	57	mg/L		1	EPA 300.0	09/18/2014 1217	AB
Calcium	43	mg/L		1	EPA 200.7	09/16/2014 1412	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1412	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1412	DG
Sodium	51	mg/L		1	EPA 200.7	09/16/2014 1412	DG
Nitrogen, Ammonia (As N)	2.8	mg/L		0.1	EPA 350.1	09/23/2014 1445	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/16/2014 1412	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 1752	BT
Electrical Conductivity	509	µmhos/cm		5	SM 2510B	09/16/2014 1752	BT
Total Dissolved Solids (180)	290	mg/L		10	SM 2540	09/18/2014 1259	IR
Data Quality							
Cation Sum	5.50	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.38	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.07	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.94	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-016
ClientSample ID: BM-035
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:14:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1412	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 019	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 019	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1412	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1412	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 019	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1412	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 019	MS
Iron	1.37	mg/L		0.05	EPA 200.7	09/16/2014 1412	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 019	MS
Manganese	0.07	mg/L		0.01	EPA 200.7	09/16/2014 1412	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1112	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 019	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1412	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 019	MS
Uranium	0.0080	mg/L		0.0003	EPA 200.8	09/16/2014 019	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 019	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1412	DG
Metals - Total							
Iron	3.48	mg/L		0.05	EPA 200.7	09/17/2014 2201	DG
Manganese	0.08	mg/L		0.01	EPA 200.7	09/17/2014 2201	DG
Radionuclides - Dissolved							
Gross Alpha	11.2	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	1.7	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	9.3	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	2.3	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/01/2014 1654	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/01/2014 1654	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-017
ClientSample ID: BM-036
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:34:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	122	mg/L		5	SM 2320B	09/23/2014 1120	BT
Alkalinity, Bicarbonate as HCO3	145	mg/L		5	SM 2320B	09/23/2014 1120	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/23/2014 1120	BT
Chloride	6	mg/L		1	EPA 300.0	09/22/2014 2233	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1804	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1410	AMB
Sulfate	83	mg/L		1	EPA 300.0	09/22/2014 2233	AB
Calcium	33	mg/L		1	EPA 200.7	09/23/2014 1336	DG
Magnesium	5	mg/L		1	EPA 200.7	09/23/2014 1336	DG
Potassium	5	mg/L		1	EPA 200.7	09/23/2014 1336	DG
Sodium	45	mg/L		1	EPA 200.7	09/23/2014 1336	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	09/23/2014 1447	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1414	DG
General Parameters							
pH	8.5	s.u.		0.1	SM 4500 H B	09/16/2014 1804	BT
Electrical Conductivity	415	µmhos/cm		5	SM 2510B	09/16/2014 1804	BT
Total Dissolved Solids (180)	240	mg/L		10	SM 2540	09/18/2014 1300	IR
Data Quality							
Cation Sum	4.19	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	4.32	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.45	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	270	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.89	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-017
ClientSample ID: BM-036
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:34:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1414	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 024	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 024	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1414	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1414	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 024	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1414	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 024	MS
Iron	0.16	mg/L		0.05	EPA 200.7	09/16/2014 1414	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 024	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1414	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1114	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 024	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1414	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	09/16/2014 024	MS
Uranium	0.0102	mg/L		0.0003	EPA 200.8	09/16/2014 024	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 024	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1414	DG
Metals - Total							
Iron	0.46	mg/L		0.05	EPA 200.7	09/17/2014 2203	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2203	DG
Radionuclides - Dissolved							
Gross Alpha	12.7	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	1.7	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	7.4	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	2.0	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/01/2014 1955	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/01/2014 1955	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-018
ClientSample ID: BM-037
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:58:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	150	mg/L		5	SM 2320B	09/16/2014 1816	BT
Alkalinity, Bicarbonate as HCO3	175	mg/L		5	SM 2320B	09/16/2014 1816	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1816	BT
Chloride	3	mg/L		1	EPA 300.0	09/16/2014 2159	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1816	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1411	AMB
Sulfate	83	mg/L		1	EPA 300.0	09/18/2014 1246	AB
Calcium	35	mg/L		1	EPA 200.7	09/16/2014 1416	DG
Magnesium	7	mg/L		1	EPA 200.7	09/16/2014 1416	DG
Potassium	5	mg/L		1	EPA 200.7	09/16/2014 1416	DG
Sodium	59	mg/L		1	EPA 200.7	09/16/2014 1416	DG
Nitrogen, Ammonia (As N)	0.8	mg/L		0.1	EPA 350.1	09/16/2014 1206	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	09/16/2014 1416	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1816	BT
Electrical Conductivity	462	µmhos/cm		5	SM 2510B	09/16/2014 1816	BT
Total Dissolved Solids (180)	270	mg/L		10	SM 2540	09/18/2014 1301	IR
Data Quality							
Cation Sum	5.12	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	4.83	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	2.91	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	290	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.93	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-018
ClientSample ID: BM-037
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 2:58:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1416	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 041	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 041	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1416	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1416	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 041	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1416	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 041	MS
Iron	0.85	mg/L		0.05	EPA 200.7	09/16/2014 1416	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 041	MS
Manganese	0.09	mg/L		0.01	EPA 200.7	09/16/2014 1416	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1116	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 041	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1416	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 041	MS
Uranium	0.0025	mg/L		0.0003	EPA 200.8	09/16/2014 041	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 041	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1416	DG
Metals - Total							
Iron	9.43	mg/L		0.05	EPA 200.7	09/17/2014 2212	DG
Manganese	0.16	mg/L		0.01	EPA 200.7	09/17/2014 2212	DG
Radionuclides - Dissolved							
Gross Alpha	2.3	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	0.9	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	4.6	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	0.6	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1317	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1317	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/04/2014 1343	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/04/2014 1343	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-019
ClientSample ID: BM-039
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 8:25:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	164	mg/L		5	SM 2320B	09/16/2014 1849	BT
Alkalinity, Bicarbonate as HCO3	192	mg/L		5	SM 2320B	09/16/2014 1849	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1849	BT
Chloride	5	mg/L		1	EPA 300.0	09/16/2014 2213	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1849	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1413	AMB
Sulfate	112	mg/L		1	EPA 300.0	09/18/2014 1300	AB
Calcium	51	mg/L		1	EPA 200.7	09/16/2014 1420	DG
Magnesium	11	mg/L		1	EPA 200.7	09/16/2014 1420	DG
Potassium	7	mg/L		1	EPA 200.7	09/16/2014 1420	DG
Sodium	56	mg/L		1	EPA 200.7	09/16/2014 1420	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1207	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1420	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1849	BT
Electrical Conductivity	549	µmhos/cm		5	SM 2510B	09/16/2014 1849	BT
Total Dissolved Solids (180)	350	mg/L		10	SM 2540	09/18/2014 1302	IR
Data Quality							
Cation Sum	6.08	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.76	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	2.72	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-019
ClientSample ID: BM-039
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 8:25:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1420	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 046	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 046	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1420	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1420	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 046	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1420	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 046	MS
Iron	0.15	mg/L		0.05	EPA 200.7	09/16/2014 1420	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 046	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/16/2014 1420	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1122	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 046	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1420	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 046	MS
Uranium	0.0116	mg/L		0.0003	EPA 200.8	09/16/2014 046	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 046	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1420	DG
Metals - Total							
Iron	2.38	mg/L		0.05	EPA 200.7	09/17/2014 2215	DG
Manganese	0.05	mg/L		0.01	EPA 200.7	09/17/2014 2215	DG
Radionuclides - Dissolved							
Gross Alpha	19.9	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	2.1	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	14.5	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.9	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	7.2	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/04/2014 1644	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/04/2014 1644	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-020
ClientSample ID: BM-040
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 7:57:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	171	mg/L		5	SM 2320B	09/16/2014 1901	BT
Alkalinity, Bicarbonate as HCO3	200	mg/L		5	SM 2320B	09/16/2014 1901	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1901	BT
Chloride	8	mg/L		1	EPA 300.0	09/16/2014 2227	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1901	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1414	AMB
Sulfate	109	mg/L		1	EPA 300.0	09/18/2014 1314	AB
Calcium	55	mg/L		1	EPA 200.7	09/16/2014 1422	DG
Magnesium	12	mg/L		1	EPA 200.7	09/16/2014 1422	DG
Potassium	7	mg/L		1	EPA 200.7	09/16/2014 1422	DG
Sodium	57	mg/L		1	EPA 200.7	09/16/2014 1422	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1208	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1422	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1901	BT
Electrical Conductivity	593	µmhos/cm		5	SM 2510B	09/16/2014 1901	BT
Total Dissolved Solids (180)	380	mg/L		10	SM 2540	09/18/2014 1304	IR
Data Quality							
Cation Sum	6.36	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.92	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.58	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-020
ClientSample ID: BM-040
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 7:57:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1422	DG
Arsenic	0.001	mg/L		0.001	EPA 200.8	09/16/2014 051	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 051	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1422	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1422	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 051	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1422	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 051	MS
Iron	0.11	mg/L		0.05	EPA 200.7	09/16/2014 1422	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 051	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/16/2014 1422	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1130	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 051	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1422	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 051	MS
Uranium	0.0156	mg/L		0.0003	EPA 200.8	09/16/2014 051	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 051	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1422	DG
Metals - Total							
Iron	0.86	mg/L		0.05	EPA 200.7	09/17/2014 2224	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2224	DG
Radionuclides - Dissolved							
Gross Alpha	31.3	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	2.8	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	18.7	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	2.0	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	9.7	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.4	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	1.3	pCi/L		1	Ga-Tech	10/04/2014 1945	MB
Radium 228 Precision (±)	1.0	pCi/L			Ga-Tech	10/04/2014 1945	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-021
ClientSample ID: BM-041
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 7:27:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	265	mg/L		5	SM 2320B	09/16/2014 1926	BT
Alkalinity, Bicarbonate as HCO3	311	mg/L		5	SM 2320B	09/16/2014 1926	BT
Alkalinity, Carbonate as CO3	6	mg/L		5	SM 2320B	09/16/2014 1926	BT
Chloride	10	mg/L		1	EPA 300.0	09/16/2014 2242	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 1926	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1415	AMB
Sulfate	78	mg/L		1	EPA 300.0	09/18/2014 1329	AB
Calcium	63	mg/L		1	EPA 200.7	09/16/2014 1424	DG
Magnesium	13	mg/L		1	EPA 200.7	09/16/2014 1424	DG
Potassium	8	mg/L		1	EPA 200.7	09/16/2014 1424	DG
Sodium	60	mg/L		1	EPA 200.7	09/16/2014 1424	DG
Nitrogen, Ammonia (As N)	0.9	mg/L		0.1	EPA 350.1	09/16/2014 1209	AMB
Silica as SiO2	18	mg/L		1	EPA 200.7	09/16/2014 1424	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1926	BT
Electrical Conductivity	597	µmhos/cm		5	SM 2510B	09/16/2014 1926	BT
Total Dissolved Solids (180)	400	mg/L		10	SM 2540	09/18/2014 1305	IR
Data Quality							
Cation Sum	7.11	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	7.20	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.61	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	410	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.98	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-021
ClientSample ID: BM-041
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 7:27:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1424	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 107	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 107	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1424	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1424	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 107	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1424	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 107	MS
Iron	0.44	mg/L		0.05	EPA 200.7	09/16/2014 1424	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 107	MS
Manganese	0.05	mg/L		0.01	EPA 200.7	09/16/2014 1424	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1132	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 107	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1424	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 107	MS
Uranium	0.0414	mg/L		0.0003	EPA 200.8	09/16/2014 107	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 107	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1424	DG
Metals - Total							
Iron	1.12	mg/L		0.05	EPA 200.7	09/17/2014 2228	DG
Manganese	0.05	mg/L		0.01	EPA 200.7	09/17/2014 2228	DG
Radionuclides - Dissolved							
Gross Alpha	44.5	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	3.4	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	16.7	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	2.0	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	3.3	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/04/2014 2246	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/04/2014 2246	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-022
ClientSample ID: BM-042
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 7:05:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	322	mg/L		5	SM 2320B	09/16/2014 1938	BT
Alkalinity, Bicarbonate as HCO3	379	mg/L		5	SM 2320B	09/16/2014 1938	BT
Alkalinity, Carbonate as CO3	7	mg/L		5	SM 2320B	09/16/2014 1938	BT
Chloride	10	mg/L		1	EPA 300.0	09/16/2014 2256	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 1938	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1416	AMB
Sulfate	55	mg/L		1	EPA 300.0	09/18/2014 1344	AB
Calcium	78	mg/L		1	EPA 200.7	09/16/2014 1429	DG
Magnesium	16	mg/L		1	EPA 200.7	09/16/2014 1429	DG
Potassium	9	mg/L		1	EPA 200.7	09/16/2014 1429	DG
Sodium	69	mg/L		1	EPA 200.7	09/16/2014 1429	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1210	AMB
Silica as SiO2	20	mg/L		1	EPA 200.7	09/16/2014 1429	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1938	BT
Electrical Conductivity	655	µmhos/cm		5	SM 2510B	09/16/2014 1938	BT
Total Dissolved Solids (180)	450	mg/L		10	SM 2540	09/18/2014 1306	IR
Data Quality							
Cation Sum	8.42	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	7.86	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.43	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	450	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-022
ClientSample ID: BM-042
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 7:05:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1429	DG
Arsenic	0.001	mg/L		0.001	EPA 200.8	09/16/2014 128	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 128	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1429	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1429	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 128	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1429	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 128	MS
Iron	0.06	mg/L		0.05	EPA 200.7	09/16/2014 1429	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 128	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1429	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1134	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 128	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1429	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 128	MS
Uranium	0.103	mg/L		0.0003	EPA 200.8	09/16/2014 128	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 128	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1429	DG
Metals - Total							
Iron	0.07	mg/L		0.05	EPA 200.7	09/17/2014 2242	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2242	DG
Radionuclides - Dissolved							
Gross Alpha	121	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	5.8	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	34.1	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	2.4	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	4.0	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/05/2014 146	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/05/2014 146	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-023
ClientSample ID: BM-043
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 8:59:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	165	mg/L		5	SM 2320B	09/16/2014 1950	BT
Alkalinity, Bicarbonate as HCO3	193	mg/L		5	SM 2320B	09/16/2014 1950	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 1950	BT
Chloride	9	mg/L		1	EPA 300.0	09/16/2014 2311	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 1950	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1417	AMB
Sulfate	186	mg/L		1	EPA 300.0	09/18/2014 1359	AB
Calcium	75	mg/L		1	EPA 200.7	09/16/2014 1442	DG
Magnesium	17	mg/L		1	EPA 200.7	09/16/2014 1442	DG
Potassium	8	mg/L		1	EPA 200.7	09/16/2014 1442	DG
Sodium	61	mg/L		1	EPA 200.7	09/16/2014 1442	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1211	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1442	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 1950	BT
Electrical Conductivity	686	µmhos/cm		5	SM 2510B	09/16/2014 1950	BT
Total Dissolved Solids (180)	490	mg/L		10	SM 2540	09/18/2014 1307	IR
Data Quality							
Cation Sum	7.94	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	7.43	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.34	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	470	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-023
ClientSample ID: BM-043
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 8:59:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1442	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 144	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 144	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1442	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1442	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 144	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1442	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 144	MS
Iron	0.18	mg/L		0.05	EPA 200.7	09/16/2014 1442	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 144	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1442	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1135	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 144	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1442	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 144	MS
Uranium	0.0058	mg/L		0.0003	EPA 200.8	09/16/2014 144	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 144	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1442	DG
Metals - Total							
Iron	0.24	mg/L		0.05	EPA 200.7	09/17/2014 2244	DG
Manganese	0.03	mg/L		0.01	EPA 200.7	09/17/2014 2244	DG
Radionuclides - Dissolved							
Gross Alpha	8.2	pCi/L		2	SM 7110B	10/08/2014 1325	MB
Gross Alpha Precision (±)	1.5	pCi/L			SM 7110B	10/08/2014 1325	MB
Gross Beta	8.1	pCi/L		3	SM 7110B	10/08/2014 1325	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/08/2014 1325	MB
Radium 226	1.5	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/05/2014 447	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/05/2014 447	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-024
ClientSample ID: BM-044
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:27:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	173	mg/L		5	SM 2320B	09/16/2014 2002	BT
Alkalinity, Bicarbonate as HCO3	200	mg/L		5	SM 2320B	09/16/2014 2002	BT
Alkalinity, Carbonate as CO3	5	mg/L		5	SM 2320B	09/16/2014 2002	BT
Chloride	8	mg/L		1	EPA 300.0	09/17/2014 037	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2002	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1418	AMB
Sulfate	102	mg/L		1	EPA 300.0	09/18/2014 1528	AB
Calcium	50	mg/L		1	EPA 200.7	09/16/2014 1444	DG
Magnesium	12	mg/L		1	EPA 200.7	09/16/2014 1444	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1444	DG
Sodium	52	mg/L		1	EPA 200.7	09/16/2014 1444	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1212	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1444	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2002	BT
Electrical Conductivity	543	µmhos/cm		5	SM 2510B	09/16/2014 2002	BT
Total Dissolved Solids (180)	340	mg/L		10	SM 2540	09/18/2014 1308	IR
Data Quality							
Cation Sum	5.86	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.82	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.38	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	350	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-024
ClientSample ID: BM-044
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:27:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1444	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 150	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 150	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1444	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1444	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 150	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1444	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 150	MS
Iron	0.19	mg/L		0.05	EPA 200.7	09/16/2014 1444	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 150	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1444	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1137	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 150	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1444	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 150	MS
Uranium	0.0005	mg/L		0.0003	EPA 200.8	09/16/2014 150	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 150	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1444	DG
Metals - Total							
Iron	0.46	mg/L		0.05	EPA 200.7	09/17/2014 2246	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2246	DG
Radionuclides - Dissolved							
Gross Alpha	2.4	pCi/L		2	SM 7110B	10/22/2014 1721	MB
Gross Alpha Precision (±)	0.8	pCi/L			SM 7110B	10/22/2014 1721	MB
Gross Beta	7.1	pCi/L		3	SM 7110B	10/22/2014 1721	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/22/2014 1721	MB
Radium 226	1.0	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/05/2014 748	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/05/2014 748	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-025
ClientSample ID: BM-045
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:53:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	179	mg/L		5	SM 2320B	09/16/2014 2014	BT
Alkalinity, Bicarbonate as HCO3	210	mg/L		5	SM 2320B	09/16/2014 2014	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2014	BT
Chloride	7	mg/L		1	EPA 300.0	09/17/2014 051	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2014	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1420	AMB
Sulfate	102	mg/L		1	EPA 300.0	09/18/2014 1543	AB
Calcium	54	mg/L		1	EPA 200.7	09/16/2014 1447	DG
Magnesium	12	mg/L		1	EPA 200.7	09/16/2014 1447	DG
Potassium	7	mg/L		1	EPA 200.7	09/16/2014 1447	DG
Sodium	56	mg/L		1	EPA 200.7	09/16/2014 1447	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1213	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1447	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2014	BT
Electrical Conductivity	573	µmhos/cm		5	SM 2510B	09/16/2014 2014	BT
Total Dissolved Solids (180)	370	mg/L		10	SM 2540	09/18/2014 1252	IR
Data Quality							
Cation Sum	6.24	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.90	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	2.79	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-025
ClientSample ID: BM-045
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 9:53:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1447	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 155	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 155	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1447	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1447	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 155	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1447	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 155	MS
Iron	0.18	mg/L		0.05	EPA 200.7	09/16/2014 1447	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 155	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1447	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1139	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 155	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1447	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 155	MS
Uranium	0.0005	mg/L		0.0003	EPA 200.8	09/16/2014 155	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 155	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1447	DG
Metals - Total							
Iron	0.39	mg/L		0.05	EPA 200.7	09/17/2014 2248	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2248	DG
Radionuclides - Dissolved							
Gross Alpha	2.1	pCi/L		2	SM 7110B	10/09/2014 1528	MB
Gross Alpha Precision (±)	1.0	pCi/L			SM 7110B	10/09/2014 1528	MB
Gross Beta	7.1	pCi/L		3	SM 7110B	10/09/2014 1528	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/09/2014 1528	MB
Radium 226	1.2	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/15/2014 1457	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/15/2014 1457	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-026
ClientSample ID: BM-046
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 10:22:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	149	mg/L		5	SM 2320B	09/16/2014 2025	BT
Alkalinity, Bicarbonate as HCO3	174	mg/L		5	SM 2320B	09/16/2014 2025	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2025	BT
Chloride	3	mg/L		1	EPA 300.0	09/17/2014 105	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2025	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1421	AMB
Sulfate	92	mg/L		1	EPA 300.0	09/18/2014 1558	AB
Calcium	41	mg/L		1	EPA 200.7	09/16/2014 1449	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1449	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1449	DG
Sodium	52	mg/L		1	EPA 200.7	09/16/2014 1449	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1214	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/16/2014 1449	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2025	BT
Electrical Conductivity	487	µmhos/cm		5	SM 2510B	09/16/2014 2025	BT
Total Dissolved Solids (180)	300	mg/L		10	SM 2540	09/18/2014 1253	IR
Data Quality							
Cation Sum	5.20	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	4.98	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	2.21	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-026
ClientSample ID: BM-046
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 10:22:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1449	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 201	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 201	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1449	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1449	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 201	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1449	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 201	MS
Iron	0.13	mg/L		0.05	EPA 200.7	09/16/2014 1449	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 201	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1449	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1141	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 201	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1449	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 201	MS
Uranium	0.0005	mg/L		0.0003	EPA 200.8	09/16/2014 201	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 201	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1449	DG
Metals - Total							
Iron	1.36	mg/L		0.05	EPA 200.7	09/17/2014 2251	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2251	DG
Radionuclides - Dissolved							
Gross Alpha	2.8	pCi/L		2	SM 7110B	10/09/2014 1528	MB
Gross Alpha Precision (±)	0.9	pCi/L			SM 7110B	10/09/2014 1528	MB
Gross Beta	6.8	pCi/L		3	SM 7110B	10/09/2014 1528	MB
Gross Beta Precision (±)	1.6	pCi/L			SM 7110B	10/09/2014 1528	MB
Radium 226	1.8	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/15/2014 1758	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/15/2014 1758	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-027
ClientSample ID: BM-047
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 10:49:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	154	mg/L		5	SM 2320B	09/16/2014 2037	BT
Alkalinity, Bicarbonate as HCO3	179	mg/L		5	SM 2320B	09/16/2014 2037	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2037	BT
Chloride	3	mg/L		1	EPA 300.0	09/17/2014 120	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2037	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1429	AMB
Sulfate	93	mg/L		1	EPA 300.0	09/18/2014 1613	AB
Calcium	41	mg/L		1	EPA 200.7	09/16/2014 1451	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1451	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1451	DG
Sodium	52	mg/L		1	EPA 200.7	09/16/2014 1451	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1215	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/16/2014 1451	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2037	BT
Electrical Conductivity	490	µmhos/cm		5	SM 2510B	09/16/2014 2037	BT
Total Dissolved Solids (180)	290	mg/L		10	SM 2540	09/18/2014 1254	IR
Data Quality							
Cation Sum	5.20	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.09	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.99	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.94	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-027
ClientSample ID: BM-047
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 10:49:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1451	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 206	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 206	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1451	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1451	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 206	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1451	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 206	MS
Iron	0.12	mg/L		0.05	EPA 200.7	09/16/2014 1451	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 206	MS
Manganese	0.01	mg/L		0.01	EPA 200.7	09/16/2014 1451	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1143	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 206	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1451	DG
Selenium	0.005	mg/L		0.001	EPA 200.8	09/16/2014 206	MS
Uranium	0.0005	mg/L		0.0003	EPA 200.8	09/16/2014 206	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 206	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1451	DG
Metals - Total							
Iron	0.23	mg/L		0.05	EPA 200.7	09/17/2014 2253	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2253	DG
Radionuclides - Dissolved							
Gross Alpha	ND	pCi/L		2	SM 7110B	10/09/2014 1528	MB
Gross Alpha Precision (±)	NA	pCi/L			SM 7110B	10/09/2014 1528	MB
Gross Beta	6.6	pCi/L		3	SM 7110B	10/09/2014 1528	MB
Gross Beta Precision (±)	1.6	pCi/L			SM 7110B	10/09/2014 1528	MB
Radium 226	0.9	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/15/2014 2058	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/15/2014 2058	MB

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-028
ClientSample ID: BM-048
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:15:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	169	mg/L		5	SM 2320B	09/16/2014 2049	BT
Alkalinity, Bicarbonate as HCO3	197	mg/L		5	SM 2320B	09/16/2014 2049	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2049	BT
Chloride	4	mg/L		1	EPA 300.0	09/17/2014 134	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2049	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1430	AMB
Sulfate	82	mg/L		1	EPA 300.0	09/18/2014 1627	AB
Calcium	40	mg/L		1	EPA 200.7	09/16/2014 1453	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1453	DG
Potassium	6	mg/L		1	EPA 200.7	09/16/2014 1453	DG
Sodium	56	mg/L		1	EPA 200.7	09/16/2014 1453	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1222	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/16/2014 1453	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2049	BT
Electrical Conductivity	497	µmhos/cm		5	SM 2510B	09/16/2014 2049	BT
Total Dissolved Solids (180)	280	mg/L		10	SM 2540	09/18/2014 1255	IR
Data Quality							
Cation Sum	5.33	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.19	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.37	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.90	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-028
ClientSample ID: BM-048
COC: 155546

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:15:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1453	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 212	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 212	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1453	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1453	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 212	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1453	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 212	MS
Iron	0.27	mg/L		0.05	EPA 200.7	09/16/2014 1453	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 212	MS
Manganese	0.02	mg/L		0.01	EPA 200.7	09/16/2014 1453	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1145	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 212	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1453	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 212	MS
Uranium	0.0007	mg/L		0.0003	EPA 200.8	09/16/2014 212	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 212	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1453	DG
Metals - Total							
Iron	0.43	mg/L		0.05	EPA 200.7	09/17/2014 2255	DG
Manganese	0.02	mg/L		0.01	EPA 200.7	09/17/2014 2255	DG
Radionuclides - Dissolved							
Gross Alpha	ND	pCi/L		2	SM 7110B	10/09/2014 1528	MB
Gross Alpha Precision (±)	NA	pCi/L			SM 7110B	10/09/2014 1528	MB
Gross Beta	4.0	pCi/L		3	SM 7110B	10/09/2014 1528	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/09/2014 1528	MB
Radium 226	0.4	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/15/2014 2359	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/15/2014 2359	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-029
ClientSample ID: BM-050
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 3:42:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	200	mg/L		5	SM 2320B	09/16/2014 2121	BT
Alkalinity, Bicarbonate as HCO3	236	mg/L		5	SM 2320B	09/16/2014 2121	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2121	BT
Chloride	5	mg/L		1	EPA 300.0	09/17/2014 148	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2121	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1431	AMB
Sulfate	30	mg/L		1	EPA 300.0	09/18/2014 1642	AB
Calcium	34	mg/L		1	EPA 200.7	09/16/2014 1458	DG
Magnesium	9	mg/L		1	EPA 200.7	09/16/2014 1458	DG
Potassium	7	mg/L		1	EPA 200.7	09/16/2014 1458	DG
Sodium	51	mg/L		1	EPA 200.7	09/16/2014 1458	DG
Nitrogen, Ammonia (As N)	2.4	mg/L		0.1	EPA 350.1	09/16/2014 1223	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	09/16/2014 1458	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2121	BT
Electrical Conductivity	450	µmhos/cm		5	SM 2510B	09/16/2014 2121	BT
Total Dissolved Solids (180)	240	mg/L		10	SM 2540	09/18/2014 1256	IR
Data Quality							
Cation Sum	5.01	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	4.78	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	2.42	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	270	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.89	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-029
ClientSample ID: BM-050
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 3:42:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1458	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 217	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 217	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1458	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1458	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 217	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1458	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 217	MS
Iron	0.21	mg/L		0.05	EPA 200.7	09/16/2014 1458	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 217	MS
Manganese	0.03	mg/L		0.01	EPA 200.7	09/16/2014 1458	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1155	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 217	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1458	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	09/16/2014 217	MS
Uranium	0.0119	mg/L		0.0003	EPA 200.8	09/16/2014 217	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 217	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1458	DG
Metals - Total							
Iron	2.05	mg/L		0.05	EPA 200.7	09/17/2014 2257	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2257	DG
Radionuclides - Dissolved							
Gross Alpha	13.0	pCi/L		2	SM 7110B	10/22/2014 1721	MB
Gross Alpha Precision (±)	1.6	pCi/L			SM 7110B	10/22/2014 1721	MB
Gross Beta	7.9	pCi/L		3	SM 7110B	10/22/2014 1721	MB
Gross Beta Precision (±)	1.6	pCi/L			SM 7110B	10/22/2014 1721	MB
Radium 226	6.1	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1521	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1521	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/16/2014 300	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/16/2014 300	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-030
ClientSample ID: BM-051
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:07:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	215	mg/L		5	SM 2320B	09/16/2014 2135	BT
Alkalinity, Bicarbonate as HCO3	250	mg/L		5	SM 2320B	09/16/2014 2135	BT
Alkalinity, Carbonate as CO3	6	mg/L		5	SM 2320B	09/16/2014 2135	BT
Chloride	10	mg/L		1	EPA 300.0	09/17/2014 203	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2135	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1432	AMB
Sulfate	78	mg/L		1	EPA 300.0	09/18/2014 1657	AB
Calcium	54	mg/L		1	EPA 200.7	09/17/2014 1239	DG
Magnesium	11	mg/L		1	EPA 200.7	09/17/2014 1239	DG
Potassium	7	mg/L		1	EPA 200.7	09/17/2014 1239	DG
Sodium	53	mg/L		1	EPA 200.7	09/17/2014 1239	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1224	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1512	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2135	BT
Electrical Conductivity	568	µmhos/cm		5	SM 2510B	09/16/2014 2135	BT
Total Dissolved Solids (180)	330	mg/L		10	SM 2540	09/18/2014 1257	IR
Data Quality							
Cation Sum	6.04	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	6.22	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.48	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.92	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-030
ClientSample ID: BM-051
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:07:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1512	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 222	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 222	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1512	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1512	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 222	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1512	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 222	MS
Iron	0.22	mg/L		0.05	EPA 200.7	09/16/2014 1512	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 222	MS
Manganese	0.05	mg/L		0.01	EPA 200.7	09/16/2014 1512	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1203	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 222	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1512	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 222	MS
Uranium	0.0241	mg/L		0.0003	EPA 200.8	09/16/2014 222	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 222	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1512	DG
Metals - Total							
Iron	0.32	mg/L		0.05	EPA 200.7	09/17/2014 2302	DG
Manganese	0.05	mg/L		0.01	EPA 200.7	09/17/2014 2302	DG
Radionuclides - Dissolved							
Gross Alpha	28.3	pCi/L		2	SM 7110B	10/09/2014 1528	MB
Gross Alpha Precision (±)	2.6	pCi/L			SM 7110B	10/09/2014 1528	MB
Gross Beta	11.8	pCi/L		3	SM 7110B	10/09/2014 1528	MB
Gross Beta Precision (±)	1.8	pCi/L			SM 7110B	10/09/2014 1528	MB
Radium 226	2.9	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1755	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1755	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/16/2014 601	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/16/2014 601	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-031
ClientSample ID: BM-055
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:01:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	180	mg/L		5	SM 2320B	09/16/2014 2159	BT
Alkalinity, Bicarbonate as HCO3	209	mg/L		5	SM 2320B	09/16/2014 2159	BT
Alkalinity, Carbonate as CO3	6	mg/L		5	SM 2320B	09/16/2014 2159	BT
Chloride	3	mg/L		1	EPA 300.0	09/17/2014 217	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2159	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1434	AMB
Sulfate	88	mg/L		1	EPA 300.0	09/18/2014 1712	AB
Calcium	44	mg/L		1	EPA 200.7	09/17/2014 1241	DG
Magnesium	10	mg/L		1	EPA 200.7	09/17/2014 1241	DG
Potassium	6	mg/L		1	EPA 200.7	09/17/2014 1241	DG
Sodium	56	mg/L		1	EPA 200.7	09/17/2014 1241	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.1	EPA 350.1	09/16/2014 1225	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1514	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2159	BT
Electrical Conductivity	530	µmhos/cm		5	SM 2510B	09/16/2014 2159	BT
Total Dissolved Solids (180)	320	mg/L		10	SM 2540	09/18/2014 1258	IR
Data Quality							
Cation Sum	5.59	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.55	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.36	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	330	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-031
ClientSample ID: BM-055
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:01:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1514	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 228	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 228	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1514	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1514	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 228	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1514	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 228	MS
Iron	0.68	mg/L		0.05	EPA 200.7	09/16/2014 1514	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 228	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/16/2014 1514	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1205	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 228	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1514	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 228	MS
Uranium	0.0135	mg/L		0.0003	EPA 200.8	09/16/2014 228	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 228	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1514	DG
Metals - Total							
Iron	1.39	mg/L		0.05	EPA 200.7	09/17/2014 2315	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2315	DG
Radionuclides - Dissolved							
Gross Alpha	14.3	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	1.7	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	8.3	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	2.2	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1755	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1755	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/16/2014 902	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/16/2014 902	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-032
ClientSample ID: BM-056
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 3:36:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	193	mg/L		5	SM 2320B	09/16/2014 2211	BT
Alkalinity, Bicarbonate as HCO3	229	mg/L		5	SM 2320B	09/16/2014 2211	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2211	BT
Chloride	8	mg/L		1	EPA 300.0	09/17/2014 231	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2211	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1435	AMB
Sulfate	338	mg/L		1	EPA 300.0	09/18/2014 1727	AB
Calcium	119	mg/L		1	EPA 200.7	09/17/2014 1243	DG
Magnesium	26	mg/L		1	EPA 200.7	09/17/2014 1243	DG
Potassium	9	mg/L		1	EPA 200.7	09/17/2014 1243	DG
Sodium	86	mg/L		1	EPA 200.7	09/17/2014 1243	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	09/16/2014 1226	AMB
Silica as SiO2	19	mg/L		1	EPA 200.7	09/16/2014 1516	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/16/2014 2211	BT
Electrical Conductivity	1060	µmhos/cm		5	SM 2510B	09/16/2014 2211	BT
Total Dissolved Solids (180)	780	mg/L		10	SM 2540	09/18/2014 1259	IR
Data Quality							
Cation Sum	12.04	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	11.13	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.91	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	720	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-032
ClientSample ID: BM-056
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 3:36:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1516	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 259	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 259	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1516	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1516	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 259	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1516	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 259	MS
Iron	0.44	mg/L		0.05	EPA 200.7	09/16/2014 1516	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 259	MS
Manganese	0.07	mg/L		0.01	EPA 200.7	09/16/2014 1516	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1207	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 259	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1516	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 259	MS
Uranium	0.0375	mg/L		0.0003	EPA 200.8	09/16/2014 259	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 259	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1516	DG
Metals - Total							
Iron	0.79	mg/L		0.05	EPA 200.7	09/17/2014 2317	DG
Manganese	0.07	mg/L		0.01	EPA 200.7	09/17/2014 2317	DG
Radionuclides - Dissolved							
Gross Alpha	50.8	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	3.8	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	20.6	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.9	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	6.5	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1755	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1755	MB
Radium 228	3.3	pCi/L		1	Ga-Tech	10/16/2014 1203	MB
Radium 228 Precision (±)	1.0	pCi/L			Ga-Tech	10/16/2014 1203	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-033
ClientSample ID: BM-058
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:42:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	188	mg/L		5	SM 2320B	09/16/2014 2223	BT
Alkalinity, Bicarbonate as HCO3	220	mg/L		5	SM 2320B	09/16/2014 2223	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/16/2014 2223	BT
Chloride	4	mg/L		1	EPA 300.0	09/17/2014 246	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2223	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1436	AMB
Sulfate	74	mg/L		1	EPA 300.0	09/18/2014 1742	AB
Calcium	48	mg/L		1	EPA 200.7	09/17/2014 1245	DG
Magnesium	10	mg/L		1	EPA 200.7	09/17/2014 1245	DG
Potassium	6	mg/L		1	EPA 200.7	09/17/2014 1245	DG
Sodium	50	mg/L		1	EPA 200.7	09/17/2014 1245	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1227	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1518	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2223	BT
Electrical Conductivity	519	µmhos/cm		5	SM 2510B	09/16/2014 2223	BT
Total Dissolved Solids (180)	310	mg/L		10	SM 2540	09/18/2014 1300	IR
Data Quality							
Cation Sum	5.53	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.43	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	0.87	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	320	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-033
ClientSample ID: BM-058
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 11:42:00 AM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1518	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 305	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 305	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1518	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1518	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 305	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1518	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 305	MS
Iron	0.30	mg/L		0.05	EPA 200.7	09/16/2014 1518	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 305	MS
Manganese	0.04	mg/L		0.01	EPA 200.7	09/16/2014 1518	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1208	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 305	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1518	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 305	MS
Uranium	0.0180	mg/L		0.0003	EPA 200.8	09/16/2014 305	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 305	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1518	DG
Metals - Total							
Iron	1.21	mg/L		0.05	EPA 200.7	09/17/2014 2320	DG
Manganese	0.04	mg/L		0.01	EPA 200.7	09/17/2014 2320	DG
Radionuclides - Dissolved							
Gross Alpha	17.1	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	1.9	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	7.0	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	0.9	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1755	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1755	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/16/2014 1504	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/16/2014 1504	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-034
ClientSample ID: BM-059
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:46:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	184	mg/L		5	SM 2320B	09/16/2014 2235	BT
Alkalinity, Bicarbonate as HCO3	214	mg/L		5	SM 2320B	09/16/2014 2235	BT
Alkalinity, Carbonate as CO3	5	mg/L		5	SM 2320B	09/16/2014 2235	BT
Chloride	5	mg/L		1	EPA 300.0	09/17/2014 426	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2235	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1437	AMB
Sulfate	93	mg/L		1	EPA 300.0	09/18/2014 1926	AB
Calcium	52	mg/L		1	EPA 200.7	09/17/2014 1248	DG
Magnesium	11	mg/L		1	EPA 200.7	09/17/2014 1248	DG
Potassium	6	mg/L		1	EPA 200.7	09/17/2014 1248	DG
Sodium	53	mg/L		1	EPA 200.7	09/17/2014 1248	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/16/2014 1228	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/16/2014 1521	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2235	BT
Electrical Conductivity	551	µmhos/cm		5	SM 2510B	09/16/2014 2235	BT
Total Dissolved Solids (180)	330	mg/L		10	SM 2540	09/18/2014 1301	IR
Data Quality							
Cation Sum	5.90	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	5.76	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.21	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	340	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-034
ClientSample ID: BM-059
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:46:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1521	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 310	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 310	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1521	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1521	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 310	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1521	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 310	MS
Iron	0.40	mg/L		0.05	EPA 200.7	09/16/2014 1521	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 310	MS
Manganese	0.05	mg/L		0.01	EPA 200.7	09/16/2014 1521	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1210	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 310	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1521	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 310	MS
Uranium	0.0128	mg/L		0.0003	EPA 200.8	09/16/2014 310	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 310	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1521	DG
Metals - Total							
Iron	2.52	mg/L		0.05	EPA 200.7	09/17/2014 2322	DG
Manganese	0.06	mg/L		0.01	EPA 200.7	09/17/2014 2322	DG
Radionuclides - Dissolved							
Gross Alpha	12.9	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	1.8	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	6.8	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.5	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	1.3	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1756	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1756	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/16/2014 1805	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/16/2014 1805	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-035
ClientSample ID: BM-060
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:10:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	209	mg/L		5	SM 2320B	09/16/2014 2247	BT
Alkalinity, Bicarbonate as HCO3	239	mg/L		5	SM 2320B	09/16/2014 2247	BT
Alkalinity, Carbonate as CO3	8	mg/L		5	SM 2320B	09/16/2014 2247	BT
Chloride	7	mg/L		1	EPA 300.0	09/17/2014 440	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/16/2014 2247	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1438	AMB
Sulfate	90	mg/L		1	EPA 300.0	09/18/2014 1940	AB
Calcium	59	mg/L		1	EPA 200.7	09/17/2014 1250	DG
Magnesium	12	mg/L		1	EPA 200.7	09/17/2014 1250	DG
Potassium	7	mg/L		1	EPA 200.7	09/17/2014 1250	DG
Sodium	55	mg/L		1	EPA 200.7	09/17/2014 1250	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/16/2014 1229	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1523	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2247	BT
Electrical Conductivity	591	µmhos/cm		5	SM 2510B	09/16/2014 2247	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	09/18/2014 1303	IR
Data Quality							
Cation Sum	6.47	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	6.27	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.62	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-035
ClientSample ID: BM-060
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:10:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1523	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 316	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 316	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1523	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1523	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 316	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1523	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 316	MS
Iron	0.17	mg/L		0.05	EPA 200.7	09/16/2014 1523	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 316	MS
Manganese	0.05	mg/L		0.01	EPA 200.7	09/16/2014 1523	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1212	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 316	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1523	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 316	MS
Uranium	0.0255	mg/L		0.0003	EPA 200.8	09/16/2014 316	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 316	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1523	DG
Metals - Total							
Iron	1.76	mg/L		0.05	EPA 200.7	09/17/2014 2324	DG
Manganese	0.06	mg/L		0.01	EPA 200.7	09/17/2014 2324	DG
Radionuclides - Dissolved							
Gross Alpha	27.1	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	2.4	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	12.2	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	3.4	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1756	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1756	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/16/2014 2105	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/16/2014 2105	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-036
ClientSample ID: BM-061
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:39:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	242	mg/L		5	SM 2320B	09/16/2014 2300	BT
Alkalinity, Bicarbonate as HCO3	282	mg/L		5	SM 2320B	09/16/2014 2300	BT
Alkalinity, Carbonate as CO3	6	mg/L		5	SM 2320B	09/16/2014 2300	BT
Chloride	7	mg/L		1	EPA 300.0	09/17/2014 455	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2300	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1447	AMB
Sulfate	147	mg/L		1	EPA 300.0	09/18/2014 1955	AB
Calcium	84	mg/L		1	EPA 200.7	09/17/2014 1254	DG
Magnesium	17	mg/L		1	EPA 200.7	09/17/2014 1254	DG
Potassium	8	mg/L		1	EPA 200.7	09/17/2014 1254	DG
Sodium	64	mg/L		1	EPA 200.7	09/17/2014 1254	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	09/16/2014 1230	AMB
Silica as SiO2	18	mg/L		1	EPA 200.7	09/16/2014 1527	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2300	BT
Electrical Conductivity	770	µmhos/cm		5	SM 2510B	09/16/2014 2300	BT
Total Dissolved Solids (180)	510	mg/L		10	SM 2540	09/18/2014 1304	IR
Data Quality							
Cation Sum	8.57	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	8.09	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	2.89	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	490	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-036
ClientSample ID: BM-061
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 12:39:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1527	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 321	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 321	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1527	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1527	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 321	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1527	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 321	MS
Iron	0.52	mg/L		0.05	EPA 200.7	09/16/2014 1527	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 321	MS
Manganese	0.08	mg/L		0.01	EPA 200.7	09/16/2014 1527	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/19/2014 1214	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 321	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1527	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 321	MS
Uranium	0.185	mg/L		0.0003	EPA 200.8	09/16/2014 321	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 321	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1527	DG
Metals - Total							
Iron	0.74	mg/L		0.05	EPA 200.7	09/17/2014 2326	DG
Manganese	0.08	mg/L		0.01	EPA 200.7	09/17/2014 2326	DG
Radionuclides - Dissolved							
Gross Alpha	96.8	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	5.1	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	42.2	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	2.6	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	0.9	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1756	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	09/29/2014 1756	MB
Radium 228	2.2	pCi/L		1	Ga-Tech	10/17/2014 006	MB
Radium 228 Precision (±)	1.0	pCi/L			Ga-Tech	10/17/2014 006	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-037
ClientSample ID: BM-062
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 1:39:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	262	mg/L		5	SM 2320B	09/16/2014 2313	BT
Alkalinity, Bicarbonate as HCO3	306	mg/L		5	SM 2320B	09/16/2014 2313	BT
Alkalinity, Carbonate as CO3	6	mg/L		5	SM 2320B	09/16/2014 2313	BT
Chloride	9	mg/L		1	EPA 300.0	09/17/2014 509	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2313	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1448	AMB
Sulfate	81	mg/L		1	EPA 300.0	09/18/2014 2010	AB
Calcium	58	mg/L		1	EPA 200.7	09/17/2014 1311	DG
Magnesium	13	mg/L		1	EPA 200.7	09/17/2014 1311	DG
Potassium	7	mg/L		1	EPA 200.7	09/17/2014 1311	DG
Sodium	59	mg/L		1	EPA 200.7	09/17/2014 1311	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1231	AMB
Silica as SiO2	17	mg/L		1	EPA 200.7	09/16/2014 1541	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/16/2014 2313	BT
Electrical Conductivity	626	µmhos/cm		5	SM 2510B	09/16/2014 2313	BT
Total Dissolved Solids (180)	410	mg/L		10	SM 2540	09/18/2014 1305	IR
Data Quality							
Cation Sum	6.69	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	7.19	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	3.57	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	400	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-037
ClientSample ID: BM-062
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 1:39:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1541	DG
Arsenic	0.006	mg/L		0.001	EPA 200.8	09/16/2014 327	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/16/2014 327	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1541	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1541	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 327	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1541	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 327	MS
Iron	ND	mg/L		0.05	EPA 200.7	09/18/2014 1439	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 327	MS
Manganese	0.07	mg/L		0.01	EPA 200.7	09/16/2014 1541	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/23/2014 1400	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 327	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1541	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 327	MS
Uranium	0.140	mg/L		0.0003	EPA 200.8	09/16/2014 327	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 327	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1541	DG
Metals - Total							
Iron	0.74	mg/L		0.05	EPA 200.7	09/17/2014 2329	DG
Manganese	0.10	mg/L		0.01	EPA 200.7	09/17/2014 2329	DG
Radionuclides - Dissolved							
Gross Alpha	81.1	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	4.6	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	33.1	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	2.4	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	6.2	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1756	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	09/29/2014 1756	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/17/2014 307	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/17/2014 307	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-038
ClientSample ID: BM-063
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 5:13:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	326	mg/L		5	SM 2320B	09/16/2014 2326	BT
Alkalinity, Bicarbonate as HCO3	376	mg/L		5	SM 2320B	09/16/2014 2326	BT
Alkalinity, Carbonate as CO3	11	mg/L		5	SM 2320B	09/16/2014 2326	BT
Chloride	7	mg/L		1	EPA 300.0	09/22/2014 2244	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/16/2014 2326	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1449	AMB
Sulfate	2	mg/L		1	EPA 300.0	09/22/2014 2244	AB
Calcium	56	mg/L		1	EPA 200.7	09/23/2014 1339	DG
Magnesium	18	mg/L		1	EPA 200.7	09/17/2014 1313	DG
Potassium	8	mg/L		1	EPA 200.7	09/17/2014 1313	DG
Sodium	57	mg/L		1	EPA 200.7	09/23/2014 1339	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/16/2014 1239	AMB
Silica as SiO2	19	mg/L		1	EPA 200.7	09/16/2014 1543	DG
General Parameters							
pH	8.5	s.u.		0.1	SM 4500 H B	09/16/2014 2326	BT
Electrical Conductivity	589	µmhos/cm		5	SM 2510B	09/16/2014 2326	BT
Total Dissolved Solids (180)	350	mg/L		10	SM 2540	09/18/2014 1306	IR
Data Quality							
Cation Sum	6.98	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	6.77	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.54	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1146	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-038
ClientSample ID: BM-063
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 5:13:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1543	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 332	MS
Barium	0.3	mg/L		0.1	EPA 200.8	09/16/2014 332	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1543	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1543	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 332	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1543	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 332	MS
Iron	ND	mg/L		0.05	EPA 200.7	09/18/2014 1441	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 332	MS
Manganese	0.07	mg/L		0.01	EPA 200.7	09/18/2014 1441	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/23/2014 1406	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 332	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1543	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 332	MS
Uranium	0.0717	mg/L		0.0003	EPA 200.8	09/16/2014 332	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 332	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/16/2014 1543	DG
Metals - Total							
Iron	2.42	mg/L		0.05	EPA 200.7	09/17/2014 2331	DG
Manganese	0.07	mg/L		0.01	EPA 200.7	09/17/2014 2331	DG
Radionuclides - Dissolved							
Gross Alpha	39.9	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	3.0	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	19.8	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	2.1	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	2.6	pCi/L		0.2	SM 7500 Ra-B	09/29/2014 1756	MB
Radium 226 Precision (±)	0.2	pCi/L			SM 7500 Ra-B	09/29/2014 1756	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/17/2014 608	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/17/2014 608	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-039
ClientSample ID: BM-064
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:47:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	430	mg/L		5	SM 2320B	09/17/2014 001	BT
Alkalinity, Bicarbonate as HCO3	503	mg/L		5	SM 2320B	09/17/2014 001	BT
Alkalinity, Carbonate as CO3	10	mg/L		5	SM 2320B	09/17/2014 001	BT
Chloride	8	mg/L		1	EPA 300.0	09/22/2014 2255	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/17/2014 001	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/24/2014 1450	AMB
Sulfate	ND	mg/L		1	EPA 300.0	09/18/2014 2040	AB
Calcium	79	mg/L		1	EPA 200.7	09/23/2014 1341	DG
Magnesium	19	mg/L		1	EPA 200.7	09/17/2014 1315	DG
Potassium	ND	mg/L		1	EPA 200.7	09/17/2014 1315	DG
Sodium	70	mg/L		1	EPA 200.7	09/23/2014 1341	DG
Nitrogen, Ammonia (As N)	0.6	mg/L		0.1	EPA 350.1	09/16/2014 1240	AMB
Silica as SiO2	ND	mg/L		1	EPA 200.7	09/16/2014 1546	DG
General Parameters							
pH	8.4	s.u.		0.1	SM 4500 H B	09/17/2014 001	BT
Electrical Conductivity	774	µmhos/cm		5	SM 2510B	09/17/2014 001	BT
Total Dissolved Solids (180)	450	mg/L		10	SM 2540	09/18/2014 1307	IR
Data Quality							
Cation Sum	8.57	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Anion Sum	8.81	meq/L		0.01	SM 1030E	09/26/2014 835	JJ
Cation-Anion Balance (± 5%)	1.40	%		0.01	SM 1030E	09/26/2014 835	JJ
Solids, Total Dissolved (Calc)	430	mg/L		10	SM 1030E	09/26/2014 835	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	10/13/2014 1146	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409268001

ProjectName: MU B GL-8
Lab ID: S1409268-039
ClientSample ID: BM-064
COC: 155548

WorkOrder: S1409268
CollectionDate: 9/11/2014 4:47:00 PM
DateReceived: 9/15/2014 10:03:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/16/2014 1546	DG
Arsenic	ND	mg/L		0.001	EPA 200.8	09/16/2014 337	MS
Barium	0.3	mg/L		0.1	EPA 200.8	09/16/2014 337	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/16/2014 1546	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/16/2014 1546	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/16/2014 337	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/16/2014 1546	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/16/2014 337	MS
Iron	ND	mg/L		0.05	EPA 200.7	09/16/2014 1546	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/16/2014 337	MS
Manganese	0.09	mg/L		0.01	EPA 200.7	09/18/2014 1450	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/23/2014 1408	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/16/2014 337	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/16/2014 1546	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/16/2014 337	MS
Uranium	0.0084	mg/L		0.0003	EPA 200.8	09/16/2014 337	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/16/2014 337	MS
Zinc	10.8	mg/L		0.01	EPA 200.7	09/16/2014 1546	DG
Metals - Total							
Iron	3.74	mg/L		0.05	EPA 200.7	09/17/2014 2340	DG
Manganese	0.09	mg/L		0.01	EPA 200.7	09/17/2014 2340	DG
Radionuclides - Dissolved							
Gross Alpha	19.3	pCi/L		2	SM 7110B	10/09/2014 1018	MB
Gross Alpha Precision (±)	2.3	pCi/L			SM 7110B	10/09/2014 1018	MB
Gross Beta	9.1	pCi/L		3	SM 7110B	10/09/2014 1018	MB
Gross Beta Precision (±)	1.7	pCi/L			SM 7110B	10/09/2014 1018	MB
Radium 226	8.3	pCi/L		0.2	SM 7500 Ra-B	10/06/2014 1501	MB
Radium 226 Precision (±)	0.3	pCi/L			SM 7500 Ra-B	10/06/2014 1501	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/17/2014 909	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/17/2014 909	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Alkalinity Sample Type MBLK Units: mg/L

BLANK (09/16/14 10:23)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	ND	5					

BLANK (09/23/14 11:12)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Bicarbonate as HCO3	ND	5					
Alkalinity, Carbonate as CO3	ND	5					
Alkalinity, Total (As CaCO3)	ND	5					

Alkalinity Sample Type LCS Units: mg/L

ATQC (09/16/14 10:12)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	575	5	595		96.5	90 - 110	

ATQC (09/23/14 11:02)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Bicarbonate as HCO3	627	5					
Alkalinity, Carbonate as CO3	42	5					
Alkalinity, Total (As CaCO3)	584	5	595		98.2	90 - 110	

Alkalinity Sample Type DUP Units: mg/L

S1409268-009AD (09/16/14 16:09)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	200	5	200	0.130		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	169	5	168	0.291		20	

S1409268-020AD (09/16/14 19:13)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	200	5	200	0.0662		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	169	5	171	1.18		20	

S1409268-030AD (09/16/14 21:47)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	236	5	250	5.56		20	
Alkalinity, Carbonate as CO3	ND	5	6			20	
Alkalinity, Total (As CaCO3)	200	5	215	7.04		20	

S1409439-007AD (09/23/14 16:58)	RunNo: 113008						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	657	5	659	0.234		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	539	5	540	0.234		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Conductivity Sample Type MBLK Units: µmhos/cm

BLANK (09/16/14 10:23)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	ND	5					

BLANK (09/23/14 11:12)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	ND	5					

Conductivity Sample Type LCS Units: µmhos/cm

ATQC (09/16/14 10:12)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	1040	5	1060		97.7	90 - 110	

ATQC (09/23/14 11:02)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	1040	5	1060		98.4	90 - 110	

Conductivity Sample Type DUP Units: µmhos/cm

S1409268-009AD (09/16/14 16:09)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	509	5	510	0.196		20	

S1409268-020AD (09/16/14 19:13)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	525	5	593	11.5		20	

S1409268-030AD (09/16/14 21:47)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	566	5	568	0.352		20	

S1409288-001AD (09/17/14 00:18)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	47	5	48	1.25		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Mercury by EPA 245.1 - Water Sample Type **MBLK** Units: mg/L

LRB (09/19/14 10:55)	RunNo: 112906						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	ND	0.001					

LRB (09/23/14 10:33)	RunNo: 112981						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	ND	0.001					

Dissolved Mercury by EPA 245.1 - Water Sample Type **LCS** Units: mg/L

LCS (09/19/14 09:55)	RunNo: 112906						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		102	85 - 115	

LCS (09/23/14 13:25)	RunNo: 112981						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		94.3	85 - 115	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MS** Units: mg/L

S1409268-001D (09/19/14 10:28)	RunNo: 112906						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	97.0	70 - 130	

S1409268-011D (09/19/14 11:01)	RunNo: 112906						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	102	70 - 130	

S1409268-019D (09/19/14 11:26)	RunNo: 112906						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	98.3	70 - 130	

S1409268-029D (09/19/14 11:59)	RunNo: 112906						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	101	70 - 130	

S1409268-037D (09/23/14 14:02)	RunNo: 112981						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	94.9	70 - 130	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MSD** Units: mg/L

S1409268-001D (09/19/14 10:30)	RunNo: 112906						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	0.136	96.9	20	

S1409268-011D (09/19/14 11:02)	RunNo: 112906						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	1.52	100	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Mercury by EPA 245.1 - Water Sample Type **MSD** Units: mg/L

S1409268-019D (09/19/14 11:28)	RunNo: 112906						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	0.299	98.0	20	

S1409268-029D (09/19/14 12:01)	RunNo: 112906						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	3.86	97.1	20	

S1409268-037D (09/23/14 14:04)	RunNo: 112981						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	1.60	93.4	20	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/16/14 09:52)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	ND	0.1					
Beryllium	ND	0.01					
Boron	ND	0.1					
Chromium	ND	0.01					
Iron	ND	0.05					
Manganese	ND	0.02					
Nickel	ND	0.01					
Zinc	ND	0.01					

MBLK DISS/CAT (09/18/14 14:03)	RunNo: 112792						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	ND	0.1					
Beryllium	ND	0.01					
Boron	ND	0.1					
Chromium	ND	0.01					
Iron	ND	0.05					
Manganese	ND	0.02					
Nickel	ND	0.01					
Zinc	ND	0.01					

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **LCS** Units: mg/L

DISS LCS Q (09/16/14 09:55)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	1.0	0.1	1		99.5	85 - 115	
Beryllium	1.01	0.01	1		101	85 - 115	
Boron	1.0	0.1	1		97.3	85 - 115	
Chromium	1.02	0.01	1		102	85 - 115	
Iron	0.98	0.05	1		98.1	85 - 115	
Manganese	1.02	0.02	1		102	85 - 115	
Nickel	1.02	0.01	1		102	85 - 115	
Zinc	1.00	0.01	1		99.7	85 - 115	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type LCS Units: mg/L

DISS LCS Q (09/18/14 14:05)	RunNo: 112792						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	1.0	0.1	1		100	85 - 115	
Beryllium	0.99	0.01	1		99.0	85 - 115	
Boron	1.0	0.1	1		96.3	85 - 115	
Chromium	1.02	0.01	1		102	85 - 115	
Iron	0.99	0.05	1		99.1	85 - 115	
Manganese	1.03	0.02	1		103	85 - 115	
Nickel	1.01	0.01	1		101	85 - 115	
Zinc	0.99	0.01	1		98.7	85 - 115	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type MS Units: mg/L

S1409268-001DS (09/16/14 12:46)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	106	70 - 130	
Beryllium	0.283	0.001	0.25	ND	113	70 - 130	
Boron	0.3	0.1	0.25	ND	104	70 - 130	
Chromium	0.27	0.01	0.25	ND	109	70 - 130	
Iron	0.59	0.05	0.25	0.35	95.9	70 - 130	
Manganese	0.29	0.01	0.25	0.03	104	70 - 130	
Nickel	0.27	0.05	0.25	ND	107	70 - 130	
Zinc	0.27	0.01	0.25	ND	110	70 - 130	

S1409268-008DS (09/16/14 13:31)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	93.4	70 - 130	
Beryllium	0.266	0.001	0.25	ND	106	70 - 130	
Boron	0.3	0.1	0.25	ND	95.8	70 - 130	
Chromium	0.25	0.01	0.25	ND	101	70 - 130	
Iron	0.48	0.05	0.25	0.25	91.1	70 - 130	
Manganese	0.29	0.01	0.25	0.05	95.9	70 - 130	
Nickel	0.25	0.05	0.25	ND	97.6	70 - 130	
Zinc	0.26	0.01	0.25	ND	103	70 - 130	

S1409268-015DS (09/16/14 14:01)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	97.7	70 - 130	
Beryllium	0.261	0.001	0.25	ND	104	70 - 130	
Boron	0.3	0.1	0.25	ND	95.4	70 - 130	
Chromium	0.25	0.01	0.25	ND	99.9	70 - 130	
Iron	0.79	0.05	0.25	0.58	86.6	70 - 130	
Manganese	0.27	0.01	0.25	0.03	96.1	70 - 130	
Nickel	0.25	0.05	0.25	ND	98.1	70 - 130	
Zinc	0.25	0.01	0.25	ND	101	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MS** Units: mg/L

S1409268-022DS (09/16/14 14:31)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	99.8	70 - 130	
Beryllium	0.273	0.001	0.25	ND	109	70 - 130	
Boron	0.3	0.1	0.25	ND	98.2	70 - 130	
Chromium	0.26	0.01	0.25	ND	103	70 - 130	
Iron	0.31	0.05	0.25	0.06	98.5	70 - 130	
Manganese	0.28	0.01	0.25	0.03	98.2	70 - 130	
Nickel	0.25	0.05	0.25	ND	101	70 - 130	
Zinc	0.26	0.01	0.25	ND	105	70 - 130	

S1409268-029DS (09/16/14 15:00)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	101	70 - 130	
Beryllium	0.273	0.001	0.25	ND	109	70 - 130	
Boron	0.3	0.1	0.25	ND	99.7	70 - 130	
Chromium	0.26	0.01	0.25	ND	106	70 - 130	
Iron	0.45	0.05	0.25	0.21	96.0	70 - 130	
Manganese	0.28	0.01	0.25	0.03	101	70 - 130	
Nickel	0.27	0.05	0.25	ND	106	70 - 130	
Zinc	0.27	0.01	0.25	ND	108	70 - 130	

S1409268-036DS (09/16/14 15:30)	RunNo: 112658						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	99.6	70 - 130	
Beryllium	0.269	0.001	0.25	ND	108	70 - 130	
Boron	0.3	0.1	0.25	ND	96.7	70 - 130	
Chromium	0.26	0.01	0.25	ND	105	70 - 130	
Iron	0.75	0.05	0.25	0.52	90.1	70 - 130	
Manganese	0.32	0.01	0.25	0.08	96.6	70 - 130	
Nickel	0.25	0.05	0.25	ND	101	70 - 130	
Zinc	0.27	0.01	0.25	ND	107	70 - 130	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1409268-001DSD (09/16/14 12:48)	RunNo: 112658						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	3.77	101	20	
Beryllium	0.276	0.001	0.283	2.66	110	20	
Boron	0.3	0.1	0.3	2.64	101	20	
Chromium	0.26	0.01	0.27	3.32	105	20	
Iron	0.58	0.05	0.59	1.71	91.9	20	
Manganese	0.28	0.01	0.29	3.11	101	20	
Nickel	0.26	0.05	0.27	3.55	103	20	
Zinc	0.26	0.01	0.27	3.96	105	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1409268-008DSD (09/16/14 13:34)	RunNo: 112658						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	2.14	95.7	20	
Beryllium	0.267	0.001	0.266	0.509	107	20	
Boron	0.3	0.1	0.3	2.96	99.4	20	
Chromium	0.26	0.01	0.25	1.68	102	20	
Iron	0.48	0.05	0.48	0.682	92.4	20	
Manganese	0.28	0.01	0.29	0.244	95.6	20	
Nickel	0.26	0.05	0.25	3.55	101	20	
Zinc	0.26	0.01	0.26	1.97	105	20	

S1409268-015DSD (09/16/14 14:03)	RunNo: 112658						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	4.51	102	20	
Beryllium	0.279	0.001	0.261	6.86	111	20	
Boron	0.3	0.1	0.3	7.68	104	20	
Chromium	0.27	0.01	0.25	7.44	107	20	
Iron	0.81	0.05	0.79	1.58	91.6	20	
Manganese	0.28	0.01	0.27	5.67	102	20	
Nickel	0.26	0.05	0.25	6.80	105	20	
Zinc	0.27	0.01	0.25	7.83	109	20	

S1409268-022DSD (09/16/14 14:33)	RunNo: 112658						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	0.170	100	20	
Beryllium	0.270	0.001	0.273	1.05	108	20	
Boron	0.3	0.1	0.3	0.163	98.4	20	
Chromium	0.26	0.01	0.26	0.191	103	20	
Iron	0.31	0.05	0.31	0.194	98.2	20	
Manganese	0.28	0.01	0.28	0.608	97.5	20	
Nickel	0.26	0.05	0.25	0.790	102	20	
Zinc	0.26	0.01	0.26	0.287	104	20	

S1409268-029DSD (09/16/14 15:03)	RunNo: 112658						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	2.90	104	20	
Beryllium	0.278	0.001	0.273	1.76	111	20	
Boron	0.3	0.1	0.3	1.53	101	20	
Chromium	0.27	0.01	0.26	1.35	107	20	
Iron	0.45	0.05	0.45	0.789	97.4	20	
Manganese	0.29	0.01	0.28	1.00	102	20	
Nickel	0.27	0.05	0.27	0.715	106	20	
Zinc	0.27	0.01	0.27	1.55	110	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1409268-036DSD (09/16/14 15:32) RunNo: 112658

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	5.95	106	20	
Beryllium	0.289	0.001	0.269	7.64	116	20	
Boron	0.3	0.1	0.3	7.24	105	20	
Chromium	0.28	0.01	0.26	7.97	113	20	
Iron	0.76	0.05	0.75	2.09	96.4	20	
Manganese	0.34	0.01	0.32	6.50	105	20	
Nickel	0.28	0.05	0.25	9.14	110	20	
Zinc	0.29	0.01	0.27	8.46	116	20	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MBLK** Units: mg/L

MBLK (09/15/14 13:02) RunNo: 112613

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	ND	0.005					
Barium	ND	0.1					
Cadmium	ND	0.001					
Copper	ND	0.01					
Lead	ND	0.02					
Molybdenum	ND	0.02					
Selenium	ND	0.001					
Uranium	ND	0.0003					
Vanadium	ND	0.02					

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **LCS** Units: mg/L

LCS (09/15/14 12:57) RunNo: 112613

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	0.104	0.005	0.1		104	85 - 115	
Barium	ND	0.1	0.1		98.9	85 - 115	
Cadmium	0.101	0.001	0.1		101	85 - 115	
Copper	0.10	0.01	0.1		104	85 - 115	
Lead	0.10	0.02	0.1		101	85 - 115	
Molybdenum	0.10	0.02	0.1		102	85 - 115	
Selenium	0.102	0.001	0.1		102	85 - 115	
Uranium	0.103	0.0003	0.1		103	85 - 115	
Vanadium	0.10	0.02	0.1		103	85 - 115	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1409268-001DS (09/15/14 22:16) RunNo: 112613

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.10	0.001	1.1	ND	99.7	70 - 130	
Barium	1.1	0.1	1.1	ND	93.3	70 - 130	
Cadmium	1.11	0.001	1.1	ND	101	70 - 130	
Copper	1.15	0.01	1.1	ND	104	70 - 130	
Lead	1.06	0.01	1.1	ND	96.4	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1409268-001DS (09/15/14 22:16)	RunNo: 112613						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Molybdenum	1.08	0.01	1.1	ND	98.1	70 - 130	
Selenium	1.03	0.001	1.1	ND	93.8	70 - 130	
Uranium	1.11	0.0003	1.1	0.0076	100	70 - 130	
Vanadium	1.1	0.1	1.1	ND	99.4	70 - 130	

S1409268-011DS (09/15/14 23:47)	RunNo: 112613						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.10	0.001	1.1	ND	99.8	70 - 130	
Barium	1.1	0.1	1.1	ND	94.7	70 - 130	
Cadmium	1.13	0.001	1.1	ND	103	70 - 130	
Copper	1.15	0.01	1.1	ND	104	70 - 130	
Lead	1.08	0.01	1.1	ND	97.8	70 - 130	
Molybdenum	1.08	0.01	1.1	ND	98.1	70 - 130	
Selenium	1.09	0.001	1.1	ND	98.7	70 - 130	
Uranium	1.13	0.0003	1.1	0.0086	102	70 - 130	
Vanadium	1.1	0.1	1.1	ND	101	70 - 130	

S1409268-021DS (09/16/14 01:18)	RunNo: 112613						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.11	0.001	1.1	ND	101	70 - 130	
Barium	1.1	0.1	1.1	ND	93.3	70 - 130	
Cadmium	1.12	0.001	1.1	ND	102	70 - 130	
Copper	1.14	0.01	1.1	ND	104	70 - 130	
Lead	1.07	0.01	1.1	ND	97.4	70 - 130	
Molybdenum	1.07	0.01	1.1	ND	96.9	70 - 130	
Selenium	1.05	0.001	1.1	ND	95.2	70 - 130	
Uranium	1.12	0.0003	1.1	0.0414	97.9	70 - 130	
Vanadium	1.1	0.1	1.1	ND	104	70 - 130	

S1409268-031DS (09/16/14 02:50)	RunNo: 112613						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.09	0.001	1.1	ND	98.7	70 - 130	
Barium	1.1	0.1	1.1	ND	94.6	70 - 130	
Cadmium	1.12	0.001	1.1	ND	102	70 - 130	
Copper	1.12	0.01	1.1	ND	101	70 - 130	
Lead	1.08	0.01	1.1	ND	98.3	70 - 130	
Molybdenum	1.06	0.01	1.1	ND	95.8	70 - 130	
Selenium	1.06	0.001	1.1	ND	96.2	70 - 130	
Uranium	1.11	0.0003	1.1	0.0135	99.7	70 - 130	
Vanadium	1.1	0.1	1.1	ND	102	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MSD** Units: mg/L

S1409268-001DMSD (09/15/14 22:32)	RunNo: 112613						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.10	0.001	1.10	0.0248	99.7	20	
Barium	1.1	0.1	1.1	0.443	93.7	20	
Cadmium	1.09	0.001	1.11	1.62	99.0	20	
Copper	1.15	0.01	1.15	0.174	104	20	
Lead	1.07	0.01	1.06	1.30	97.7	20	
Molybdenum	1.08	0.01	1.08	0.194	97.9	20	
Selenium	1.08	0.001	1.03	4.25	97.8	20	
Uranium	1.12	0.0003	1.11	1.04	101	20	
Vanadium	1.1	0.1	1.1	1.72	101	20	

S1409268-011DMSD (09/15/14 23:52)	RunNo: 112613						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.11	0.001	1.10	1.06	101	20	
Barium	1.1	0.1	1.1	1.36	96.0	20	
Cadmium	1.13	0.001	1.13	0.211	103	20	
Copper	1.14	0.01	1.15	0.826	103	20	
Lead	1.09	0.01	1.08	1.29	99.1	20	
Molybdenum	1.09	0.01	1.08	0.888	98.9	20	
Selenium	1.06	0.001	1.09	1.98	96.8	20	
Uranium	1.12	0.0003	1.13	1.26	101	20	
Vanadium	1.2	0.1	1.1	3.15	104	20	

S1409268-021DMSD (09/16/14 01:23)	RunNo: 112613						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.12	0.001	1.11	1.19	102	20	
Barium	1.1	0.1	1.1	1.58	94.8	20	
Cadmium	1.12	0.001	1.12	0.0831	102	20	
Copper	1.16	0.01	1.14	1.24	105	20	
Lead	1.08	0.01	1.07	0.313	97.7	20	
Molybdenum	1.09	0.01	1.07	2.61	99.4	20	
Selenium	1.06	0.001	1.05	1.49	96.6	20	
Uranium	1.15	0.0003	1.12	2.95	101	20	
Vanadium	1.1	0.1	1.1	3.76	100	20	

S1409268-031DMSD (09/16/14 02:55)	RunNo: 112613						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.09	0.001	1.09	0.631	99.3	20	
Barium	1.0	0.1	1.1	2.31	92.4	20	
Cadmium	1.10	0.001	1.12	1.88	100	20	
Copper	1.12	0.01	1.12	0.601	102	20	
Lead	1.06	0.01	1.08	2.16	96.2	20	
Molybdenum	1.08	0.01	1.06	1.83	97.5	20	
Selenium	1.03	0.001	1.06	2.76	93.6	20	
Uranium	1.11	0.0003	1.11	0.0484	99.7	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MSD** Units: mg/L

S1409268-031DMSD (09/16/14 02:55)	RunNo: 112613						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Vanadium	1.1	0.1	1.1	3.87	97.6	20	

Fluoride by SM 4500 Sample Type **MBLK** Units: mg/L

BLANK (09/16/14 10:23)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	ND	0.1					

BLANK (09/23/14 11:12)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	ND	0.1					

Fluoride by SM 4500 Sample Type **LCS** Units: mg/L

ATQC (09/16/14 10:12)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.9	0.1	3		95.2	85 - 115	

ATQC (09/23/14 11:02)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.8	0.1	3		93.8	85 - 115	

Fluoride by SM 4500 Sample Type **MS** Units: mg/L

S1409268-011ASPK MS (09/16/14 16:46)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.5	0.1	2.5	0.2	92.9	80 - 120	

S1409268-018ASPK MS (09/16/14 18:30)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.5	0.1	2.5	0.2	95.0	80 - 120	

S1409268-028ASPK MS (09/16/14 21:03)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.5	0.1	2.5	0.2	94.3	80 - 120	

S1409268-038ASPK MS (09/16/14 23:41)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.5	0.1	2.5	0.1	95.4	80 - 120	

Fluoride by SM 4500 Sample Type **MSD** Units: mg/L

S1409268-011ASPK MSD (09/16/14 16:50)	RunNo: 112667						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.4	0.1	2.5	2.37	90.5	20	

S1409268-018ASPK MSD (09/16/14 18:34)	RunNo: 112667						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.6	0.1	2.5	1.94	97.0	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Fluoride by SM 4500 Sample Type **MSD** Units: mg/L

S1409268-028ASPK MSD (09/16/14 21:06)	RunNo: 112667						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.6	0.1	2.5	2.46	96.8	20	

S1409268-038ASPK MSD (09/16/14 23:45)	RunNo: 112667						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.4	0.1	2.5	4.68	90.7	20	

Gross Alpha, Beta by SM 7110B Sample Type **MBLK** Units: pCi/L

MB-269 (10/01/14 10:55)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

MB-271 (10/07/14 13:10)	RunNo: 113822	PrepDate: 10/01/14 0:00			BatchID R113822		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

MB-272 (10/09/14 15:28)	RunNo: 113906	PrepDate: 10/07/14 0:00			BatchID R113906		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

Gross Alpha, Beta by SM 7110B Sample Type **LCS** Units: pCi/L

LCS-269 (10/01/14 10:55)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	74	2	71.2		104	50 - 150	
Gross Beta (Dissolved)	132	3	120		110	79.4 - 124	

LCS-271 (10/07/14 13:10)	RunNo: 113822	PrepDate: 10/01/14 0:00			BatchID R113822		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	74	2	71.2		104	50 - 150	
Gross Beta (Dissolved)	136	3	120		113	79.4 - 124	

LCS-272 (10/09/14 15:28)	RunNo: 113906	PrepDate: 10/07/14 0:00			BatchID R113906		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	74	2	71.2		104	50 - 150	
Gross Beta (Dissolved)	137	3	120		114	79.4 - 124	

Gross Alpha, Beta by SM 7110B Sample Type **MS** Units: pCi/L

S1409348-001G MS (10/01/14 16:59)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	58	2	71.2	3	77.4	50 - 150	
Gross Beta (Dissolved)	154	3	120	19	112	66.1 - 145	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Gross Alpha, Beta by SM 7110B Sample Type **MS** Units: pCi/L

S1409268-011F MS (10/08/14 13:25)	RunNo: 113822	PrepDate: 10/01/14 0:00			BatchID R113822		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	60	2	71.2	11	68.8	50 - 150	
Gross Beta (Dissolved)	140	3	120	11	107	79.4 - 124	

S1409268-033F MSA (10/09/14 10:18)	RunNo: 113906	PrepDate: 10/07/14 0:00			BatchID R113906		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	60	2	71.2	17	60.5	50 - 150	
Gross Beta (Dissolved)	158	3	120	7	126	61.1 - 140	

S1409268-024F MSA (10/09/14 15:28)	RunNo: 113906	PrepDate: 10/07/14 0:00			BatchID R113906		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	49	2	71.2	ND	68.8	50 - 150	
Gross Beta (Dissolved)	163	3	120	7	129	61.1 - 140	

Gross Alpha, Beta by SM 7110B Sample Type **DUP** Units: pCi/L

S1409199-015F DUP (10/01/14 10:55)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	904	2	801	12.9		20	
Gross Beta (Dissolved)	396	3	387	2.38		20	

S1408118-004E DUP (10/07/14 13:10)	RunNo: 113822	PrepDate: 10/01/14 0:00			BatchID R113822		
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	26	2	26	0.342		20	
Gross Beta (Dissolved)	18	3	23	20.4		20	

S1409268-034F DUP (10/09/14 10:18)	RunNo: 113906	PrepDate: 10/07/14 0:00			BatchID R113906		
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	12	2	13	4.42		20	
Gross Beta (Dissolved)	8	3	7	12.6		20	

S1409268-025F DUP (10/09/14 15:28)	RunNo: 113906	PrepDate: 10/07/14 0:00			BatchID R113906		
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	ND	2	2			20	
Gross Beta (Dissolved)	6	3	7	13.9		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Anions by ION Chromatography Sample Type **MBLK** Units: mg/L

BLK (09/16/14 13:51)	RunNo: 112732						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

BLK (09/18/14 11:34)	RunNo: 112797						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

BLK (09/22/14 08:22)	RunNo: 112949						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

Anions by ION Chromatography Sample Type **LCS** Units: mg/L

DIONEX (09/16/14 12:54)	RunNo: 112732						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		99.3	90 - 110	
Sulfate	140	1	150		93.3	90 - 110	

DIONEX (09/18/14 10:36)	RunNo: 112797						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		98.6	90 - 110	
Sulfate	141	1	150		93.8	90 - 110	

DIONEX (09/22/14 08:34)	RunNo: 112949						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		101	90 - 110	
Sulfate	146	1	150		97.3	90 - 110	

Anions by ION Chromatography Sample Type **MS** Units: mg/L

S1409268-003ASPK (09/16/14 16:15)	RunNo: 112732						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	31	1	27.3	3	101	80 - 120	
Sulfate	307	1	205	78	112	80 - 120	

S1409268-013ASPK (09/16/14 19:50)	RunNo: 112732						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	31	1	27.3	3	102	80 - 120	
Sulfate	326	1	205	95	113	80 - 120	

S1409268-023ASPK (09/16/14 23:39)	RunNo: 112732						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	64	1	54.5	9	100	80 - 120	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Anions by ION Chromatography Sample Type **MS** Units: mg/L

S1409268-033ASPK (09/17/14 03:14)	RunNo: 112732						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	31	1	27.3	4	99.9	80 - 120	

S1409268-023ASPK (09/18/14 14:29)	RunNo: 112797						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Sulfate	637	1	409	186	110	80 - 120	

S1409268-033ASPK (09/18/14 18:11)	RunNo: 112797						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Sulfate	306	1	205	74	113	80 - 120	

S1409268-039ASPK (09/22/14 23:18)	RunNo: 112949						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	68	1	54.5	8	111	80 - 120	
Sulfate	438	1	409	1	107	80 - 120	

Anions by ION Chromatography Sample Type **MSD** Units: mg/L

S1409268-003ASPK (09/16/14 16:29)	RunNo: 112732						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	31	1	31	0.00685	101	20	
Sulfate	306	1	307	0.321	111	20	

S1409268-013ASPK (09/16/14 20:04)	RunNo: 112732						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	30	1	31	0.896	101	20	
Sulfate	325	1	326	0.520	112	20	

S1409268-023ASPK (09/16/14 23:54)	RunNo: 112732						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	63	1	64	1.17	98.9	20	

S1409268-033ASPK (09/17/14 03:29)	RunNo: 112732						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	32	1	31	0.483	100	20	

S1409268-023ASPK (09/18/14 14:43)	RunNo: 112797						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Sulfate	641	1	637	0.757	111	20	

S1409268-033ASPK (09/18/14 18:26)	RunNo: 112797						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Sulfate	306	1	306	0.139	113	20	

S1409268-039ASPK (09/22/14 23:29)	RunNo: 112949						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	68	1	68	1.18	110	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Anions by ION Chromatography Sample Type **MSD** Units: mg/L

S1409268-039ASPK (09/22/14 23:29)	RunNo: 112949						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Sulfate	439	1	438	0.231	107	20	

Cations by ICP (Method 200.7) Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/16/14 09:52)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

MBLK DISS/CAT (09/17/14 12:28)	RunNo: 112747						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

MBLK DISS/CAT (09/23/14 12:25)	RunNo: 112994						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

Cations by ICP (Method 200.7) Sample Type **LCS** Units: mg/L

CAT LCS IML3 (09/16/14 09:57)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	39	1	40		96.5	85 - 115	
Magnesium	40	1	40		98.9	85 - 115	
Potassium	42	1	40		104	85 - 115	
Sodium	41	1	40		101	85 - 115	

CAT LCS IML3 (09/17/14 12:32)	RunNo: 112747						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	41	1	40		102	85 - 115	
Magnesium	39	1	40		97.9	85 - 115	
Potassium	41	1	40		103	85 - 115	
Sodium	41	1	40		102	85 - 115	

CAT LCS IML3 (09/23/14 12:29)	RunNo: 112994						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	40	1	40		98.7	85 - 115	
Magnesium	39	1	40		96.5	85 - 115	
Potassium	40	1	40		99.6	85 - 115	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Cations by ICP (Method 200.7) Sample Type **LCS** Units: mg/L

CAT LCS IML3 (09/23/14 12:29)	RunNo: 112994						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Sodium	40	1	40		99.7	85 - 115	

Cations by ICP (Method 200.7) Sample Type **MS** Units: mg/L

S1409268-001AS (09/16/14 12:46)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	63	1	25	38	99.7	70 - 130	
Magnesium	36	1	25	9	109	70 - 130	
Potassium	36	1	25	5	123	70 - 130	
Sodium	81	1	25	55	104	70 - 130	
S1409268-008AS (09/16/14 13:31)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	133	1	25	115	71.9	70 - 130	
Magnesium	56	1	25	32	96.0	70 - 130	
Potassium	40	1	25	11	114	70 - 130	
Sodium	75	1	25	51	93.4	70 - 130	
S1409268-015AS (09/16/14 14:01)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	63	1	25	40	91.3	70 - 130	
Magnesium	35	1	25	10	99.7	70 - 130	
Potassium	35	1	25	6	116	70 - 130	
Sodium	80	1	25	56	95.4	70 - 130	
S1409268-022AS (09/16/14 14:31)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	99	1	25	78	84.6	70 - 130	
Magnesium	42	1	25	16	103	70 - 130	
Potassium	39	1	25	9	117	70 - 130	
Sodium	92	1	25	69	91.2	70 - 130	
S1409268-029AS (09/16/14 15:00)	RunNo: 112657						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	58	1	25	34	96.1	70 - 130	
Magnesium	36	1	25	9	107	70 - 130	
Potassium	37	1	25	7	119	70 - 130	
Sodium	75	1	25	51	96.7	70 - 130	
S1409268-036AS (09/17/14 12:56)	RunNo: 112747						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	105	1	25	84	84.7	70 - 130	
Magnesium	39	1	25	17	90.0	70 - 130	
Potassium	35	1	25	8	106	70 - 130	
Sodium	86	1	25	64	87.8	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1409268-001ASD (09/16/14 12:48)	RunNo: 112657						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	62	1	63	1.86	95.0	20	
Magnesium	35	1	36	2.94	105	20	
Potassium	35	1	36	2.87	119	20	
Sodium	80	1	81	1.23	99.8	20	
S1409268-008ASD (09/16/14 13:34)	**RunNo: 112657**						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	133	1	133	0.415	74.1	20	
Magnesium	56	1	56	0.594	97.3	20	
Potassium	41	1	40	2.71	118	20	
Sodium	76	1	75	1.35	97.4	20	
S1409268-015ASD (09/16/14 14:03)	**RunNo: 112657**						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	65	1	63	2.14	96.7	20	
Magnesium	36	1	35	5.17	107	20	
Potassium	36	1	35	4.75	122	20	
Sodium	80	1	80	0.562	97.2	20	
S1409268-022ASD (09/16/14 14:33)	**RunNo: 112657**						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	99	1	99	0.123	84.1	20	
Magnesium	41	1	42	1.95	100	20	
Potassium	39	1	39	0.964	118	20	
Sodium	93	1	92	0.664	93.6	20	
S1409268-029ASD (09/16/14 15:03)	**RunNo: 112657**						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	59	1	58	0.896	98.2	20	
Magnesium	36	1	36	1.05	108	20	
Potassium	38	1	37	2.88	124	20	
Sodium	77	1	75	2.53	104	20	
S1409268-036ASD (09/17/14 12:59)	**RunNo: 112747**						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	105	1	105	0.275	83.6	20	
Magnesium	41	1	39	2.89	94.5	20	
Potassium	35	1	35	0.136	106	20	
Sodium	87	1	86	1.27	92.2	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Nitrogen, Ammonia (as N) Sample Type **MBLK** Units: mg/L

BLANK (09/16/14 09:20)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	ND	0.1					

BASELINE (09/23/14 14:17)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	ND	0.1					

Nitrogen, Ammonia (as N) Sample Type **LCS** Units: mg/L

QC (09/16/14 09:22)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	4.5	0.1	4.76		93.7	89 - 111	

QC (09/23/14 14:18)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	4.4	0.1	4.76		93.4	89 - 111	

Nitrogen, Ammonia (as N) Sample Type **MS** Units: mg/L

S1409268-027C (09/16/14 12:17)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.7	0.1	10	0.2	95.5	90 - 110	

S1409268-037C (09/16/14 12:33)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	10.0	0.1	10	0.2	98.7	90 - 110	

S1409268-039C (09/16/14 12:42)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	10.8	0.1	10	0.6	102	90 - 110	

S1409268-007C (09/23/14 14:33)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	10.6	0.1	10	ND	105	90 - 110	

S1409268-017C (09/23/14 14:49)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	10.4	0.1	10	0.4	101	90 - 110	

Nitrogen, Ammonia (as N) Sample Type **MSD** Units: mg/L

S1409268-027C (09/16/14 12:18)	RunNo: 112637						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	9.9	0.1	9.7	1.62	97.1	20	

S1409268-037C (09/16/14 12:34)	RunNo: 112637						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	9.9	0.1	10.0	1.57	97.1	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Nitrogen, Ammonia (as N) Sample Type **MSD** Units: mg/L

S1409268-039C (09/16/14 12:43)	RunNo: 112637						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.6	0.1	10.8	1.88	100	20	

S1409268-007C (09/23/14 14:34)	RunNo: 112993						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.5	0.1	10.6	1.40	104	20	

S1409268-017C (09/23/14 14:49)	RunNo: 112993						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.5	0.1	10.4	0.374	101	20	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MBLK** Units: mg/L

BLANK (09/24/14 12:28)	RunNo: 113051						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

Nitrogen, Nitrate-Nitrite (as N) Sample Type **LCS** Units: mg/L

QC (09/24/14 12:31)	RunNo: 113051						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	3.9	0.1	3.97		98.5	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MS** Units: mg/L

S1409268-016C (09/24/14 14:04)	RunNo: 113051						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.3	0.1	5	ND	106	90 - 110	

S1409268-026C (09/24/14 14:23)	RunNo: 113051						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.5	0.1	5	ND	110	90 - 110	

S1409268-035C (09/24/14 14:41)	RunNo: 113051						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.3	0.1	5	ND	106	90 - 110	

S1409311-003C (09/24/14 15:18)	RunNo: 113051						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	7.8	0.1	5	2.6	104	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MSD** Units: mg/L

S1409268-006C (09/24/14 13:47)	RunNo: 113051						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.6	0.1	ND		112	20	SR

S1409268-016C (09/24/14 14:06)	RunNo: 113051						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.4	0.1	5.3	1.31	107	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MSD** Units: mg/L

S1409268-026C (09/24/14 14:24)	RunNo: 113051						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.5	0.1	5.5	0.402	110	20	

S1409268-035C (09/24/14 14:42)	RunNo: 113051						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.5	0.1	5.3	3.97	110	20	

Radium 228 by Ga/Tech Sample Type **MBLK** Units: pCi/L

MB-8974 (09/28/14 22:35)	RunNo: 113393	PrepDate: 09/24/14 10:00			BatchID 8974		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

MB-9024 (10/02/14 10:29)	RunNo: 113722	PrepDate: 09/29/14 10:00			BatchID 9024		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

MB-9092 (10/14/14 20:51)	RunNo: 114052	PrepDate: 10/01/14 10:00			BatchID 9092		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

Radium 228 by Ga/Tech Sample Type **LCS** Units: pCi/L

LCS-8974 (09/29/14 01:36)	RunNo: 113393	PrepDate: 09/24/14 10:00			BatchID 8974		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	34	1	41.1		82.6	59.9 - 99.4	

LCS-9024 (10/02/14 13:30)	RunNo: 113722	PrepDate: 09/29/14 10:00			BatchID 9024		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	35	1	40.1		86.1	59.9 - 99.4	

LCS-9092 (10/14/14 23:52)	RunNo: 114052	PrepDate: 10/01/14 10:00			BatchID 9092		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	38	1	40.1		94.7	59.9 - 99.4	

Radium 228 by Ga/Tech Sample Type **LCSD** Units: pCi/L

LCSD-8974 (09/29/14 04:37)	RunNo: 113393	PrepDate: 09/24/14 10:00			BatchID 8974		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	37	1	34	10.1	90.9	20	

LCSD-9024 (10/02/14 16:30)	RunNo: 113722	PrepDate: 09/29/14 10:00			BatchID 9024		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	35	4.50	82.3	20	

LCSD-9092 (10/15/14 02:53)	RunNo: 114052	PrepDate: 10/01/14 10:00			BatchID 9092		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	36	1	38	6.03	89.0	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Radium 228 by Ga/Tech Sample Type **MS** Units: pCi/L

TAPMS-8974 (09/29/14 10:39)	RunNo: 113393	PrepDate: 09/24/14 10:00			BatchID 8974		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	31	1	41.1	ND	76.0	50.8 - 113	

TAPMS-9024 (10/02/14 22:32)	RunNo: 113722	PrepDate: 09/29/14 10:00			BatchID 9024		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	33	1	40.1	ND	81.0	50.8 - 113	

TAPMS-9092 (10/15/14 08:55)	RunNo: 114052	PrepDate: 10/01/14 10:00			BatchID 9092		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	35	1	40.1	ND	87.7	50 - 113	

Radium 228 by Ga/Tech Sample Type **MSD** Units: pCi/L

TAPMSD-8974 (09/29/14 13:40)	RunNo: 113393	PrepDate: 09/24/14 10:00			BatchID 8974		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	37	1	31	16.7	88.7	20	

TAPMSD-9024 (10/03/14 01:33)	RunNo: 113722	PrepDate: 09/29/14 10:00			BatchID 9024		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	ND		82.6		

TAPMSD-9092 (10/15/14 11:56)	RunNo: 114052	PrepDate: 10/01/14 10:00			BatchID 9092		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	35	7.42	81.2	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Radium 226 in Water - Dissolved Sample Type **MBLK** Units: pCi/L

MB-1345 (09/29/14 10:50)	RunNo: 113346	PrepDate: 09/24/14 0:00			BatchID 8969		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

MB-1346 (09/29/14 15:21)	RunNo: 113351	PrepDate: 09/24/14 0:00			BatchID 8971		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

MB-1347 (10/06/14 12:41)	RunNo: 113677	PrepDate: 09/28/14 0:00			BatchID 9016		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

Radium 226 in Water - Dissolved Sample Type **LCS** Units: pCi/L

LCS-1345 (09/29/14 10:50)	RunNo: 113346	PrepDate: 09/24/14 0:00			BatchID 8969		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.6	0.2	5		92.6	71 - 120	

LCS-1346 (09/29/14 15:21)	RunNo: 113351	PrepDate: 09/24/14 0:00			BatchID 8971		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.1	0.2	5		81.0	71 - 120	

LCS-1347 (10/06/14 12:42)	RunNo: 113677	PrepDate: 09/28/14 0:00			BatchID 9016		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	5.7	0.2	5		114	71 - 120	

Radium 226 in Water - Dissolved Sample Type **MS** Units: pCi/L

TAPMS-1345 (09/29/14 10:50)	RunNo: 113346	PrepDate: 09/24/14 0:00			BatchID 8969		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.5	0.2	5	ND	89.9	74.5 - 120	

TAPMS-1346 (09/29/14 15:21)	RunNo: 113351	PrepDate: 09/24/14 0:00			BatchID 8971		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.5	0.2	5	ND	89.9	74.5 - 120	

TAPMS-1347 (10/06/14 12:41)	RunNo: 113677	PrepDate: 09/28/14 0:00			BatchID 9016		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.1	0.2	5	ND	82.4	74.5 - 120	

Radium 226 in Water - Dissolved Sample Type **MSD** Units: pCi/L

TAPMSD-1345 (09/29/14 10:50)	RunNo: 113346	PrepDate: 09/24/14 0:00			BatchID 8969		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	4.6	0.2	4.5	2.69	92.3	20	

TAPMSD-1346 (09/29/14 15:21)	RunNo: 113351	PrepDate: 09/24/14 0:00			BatchID 8971		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	4.6	0.2	4.5	2.69	92.3	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Radium 226 in Water - Dissolved Sample Type **MSD** Units: pCi/L

TAPMSD-1347 (10/06/14 12:41)	RunNo: 113677	PrepDate: 09/28/14 0:00			BatchID 9016		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	4.9	0.2	4.1	18.8	97.9	20	

Silica as SiO2 Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/16/14 09:52)	RunNo: 112665						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	ND	0.1					

Silica as SiO2 Sample Type **LCS** Units: mg/L

DISS LCS Q (09/16/14 09:55)	RunNo: 112665						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	2.2	0.1	2.14		102	85 - 115	

Silica as SiO2 Sample Type **DUP** Units: mg/L

S1409268-007DD (09/16/14 13:27)	RunNo: 112665						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	16	1	16	0.173		20	
S1409268-014DD (09/16/14 13:56)	RunNo: 112665						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	17	1	17	0.535		20	
S1409268-021DD (09/16/14 14:26)	RunNo: 112665						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	18	1	18	0.396		20	
S1409268-028DD (09/16/14 14:56)	RunNo: 112665						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	14	1	14	0.743		20	
S1409268-035DD (09/16/14 15:25)	RunNo: 112665						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	17	1	17	1.42		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Solids By SM 2540 Sample Type **MBLK** Units: mg/L

DI (09/18/14 12:41)	RunNo: 112928						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	ND	10					

DI (09/18/14 12:50)	RunNo: 112930						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	ND	10					

Solids By SM 2540 Sample Type **LCS** Units: mg/L

CONTROL (09/18/14 12:42)	RunNo: 112928						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	210	10	226		94.7	90 - 110	

CONTROL (09/18/14 12:51)	RunNo: 112930						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	210	10	226		93.8	90 - 110	

Solids By SM 2540 Sample Type **DUP** Units: mg/L

S1409268-010A (09/18/14 12:53)	RunNo: 112928						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	290	10	280	1.42		20	

S1409268-019A (09/18/14 13:03)	RunNo: 112928						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	350	10	350	0		20	

S1409268-034A (09/18/14 13:02)	RunNo: 112930						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	320	10	330	0.613		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MBLK** Units: mg/L

MB-8864 (09/17/14 20:54)	RunNo: 112734	PrepDate: 09/16/14 11:47			BatchID 8864		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	ND	0.05					
Manganese	ND	0.02					

MB-8868 (09/17/14 23:44)	RunNo: 112734	PrepDate: 09/16/14 11:30			BatchID 8868		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	ND	0.05					
Manganese	ND	0.02					

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **LCS** Units: mg/L

LCS-8864 (09/17/14 20:56)	RunNo: 112734	PrepDate: 09/16/14 11:47			BatchID 8864		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.95	0.05	1		94.8	85 - 115	
Manganese	0.38	0.02	0.4		94.7	85 - 115	

LCS-8868 (09/17/14 23:47)	RunNo: 112734	PrepDate: 09/16/14 11:30			BatchID 8868		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.48	0.05	0.5		95.0	85 - 115	
Manganese	0.19	0.02	0.2		94.6	85 - 115	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MS** Units: mg/L

S1409268-002ES (09/17/14 21:14)	RunNo: 112734	PrepDate: 09/16/14 7:00			BatchID 8864		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.65	0.05	0.5	0.18	93.5	70 - 130	
Manganese	0.21	0.01	0.2	0.02	94.8	70 - 130	

S1409268-010ES (09/17/14 21:45)	RunNo: 112734	PrepDate: 09/16/14 7:00			BatchID 8864		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	2.51	0.05	0.5	2.04	92.7	70 - 130	
Manganese	0.20	0.01	0.2	0.03	87.7	70 - 130	

S1409268-021ES (09/17/14 22:30)	RunNo: 112734	PrepDate: 09/16/14 7:00			BatchID 8864		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	1.60	0.05	0.5	1.12	95.7	70 - 130	
Manganese	0.25	0.01	0.2	0.05	95.3	70 - 130	

S1409268-030ES (09/17/14 23:11)	RunNo: 112734	PrepDate: 09/16/14 11:30			BatchID 8868		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.82	0.05	0.5	0.32	101	70 - 130	
Manganese	0.24	0.01	0.2	0.05	95.4	70 - 130	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MSD** Units: mg/L

S1409268-002EMSD (09/17/14 21:16)	RunNo: 112734	PrepDate: 09/16/14 7:00			BatchID 8864		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	0.65	0.05	0.65	0.881	94.7	20	
Manganese	0.21	0.01	0.21	0.429	95.2	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409268
Project: MU B GL-8

Date: 10/23/2014
Report ID: S1409268001

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type MSD Units: mg/L

S1409268-010EMSD (09/17/14 21:48)	RunNo: 112734	PrepDate: 09/16/14 7:00			BatchID 8864		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	2.55	0.05	2.51	1.61	101	20	
Manganese	0.21	0.01	0.20	5.57	93.3	20	

S1409268-021EMSD (09/17/14 22:32)	RunNo: 112734	PrepDate: 09/16/14 7:00			BatchID 8864		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	1.60	0.05	1.60	0.356	96.8	20	
Manganese	0.25	0.01	0.25	0.199	95.6	20	

S1409268-030EMSD (09/17/14 23:13)	RunNo: 112734	PrepDate: 09/16/14 11:30			BatchID 8868		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	0.79	0.05	0.82	4.10	94.6	20	
Manganese	0.24	0.01	0.24	0.452	94.9	20	

pH Water Sample Type LCS Units: s.u.

ATQC (09/16/14 10:12)	RunNo: 112667						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	8.8	0.1	8.74		100	90 - 110	

ATQC (09/23/14 11:02)	RunNo: 113008						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	8.9	0.1	8.74		102	90 - 110	

pH Water Sample Type DUP Units: s.u.

S1409268-009AD (09/16/14 16:09)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.3	0.1	8.3	0.175		20	

S1409268-020AD (09/16/14 19:13)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.4	0.1	8.4	0.0152		20	

S1409268-030AD (09/16/14 21:47)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.4	0.1	8.4	0.0463		20	

S1409288-001AD (09/17/14 00:18)	RunNo: 112667						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	7.50	0.01	7.52	0.344		20	

Qualifiers:

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

Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
This is a legal document; any misrepresentation may be construed as fraud.

155544

Client Name: Cameco Resources	Project Identification: S. R. H. B-Field-Resto GL8	Sampler (Signature/Attestation of Authenticity): Gwen Frannell / Kath Amos	Telephone #: 307-358-6541 x427
Report Address: P.O. Box 1210 Glen rock, WY 82637	Contact Name: Larry Wilbanks		
	Email: Larry_wilbanks@cameco.com		
Invoice Address: Same	Phone: 307-358-6541 x427		
	Purchase Order #:	Quote #:	

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	Guideline & New							Cooler Temp	REMARKS
1	S1409199-001	9-8-14	8:32	BMP-011	WT	6	✓							2.3	
2	002		8:15	BMP-012			✓							1.9	
3	003		8:45	BMP-013			✓							1.9	
4	004		9:00	BMP-014			✓							2.3	
5	005		9:25	BMP-015			✓							2.2	
6	006		9:30	BMP-016			✓							2.3	
7	007		11:45	BMP-018			✓							1.3	
8	008		12:17	BMP-019			✓							0.8	
9	009		11:53	BMP-020			✓							1.3	
10	010		10:34	BMP-021			✓							2.2	
11	011		10:00	BMP-022			✓							2.2	
12	012		9:57	BMP-023			✓							2.3	
13	013		10:28	BMP-024			✓							1.7	
14	014		10:56	BMP-025			✓							1.7	

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
	Kath Amos / Gwen Frannell	9-9-14	7:00	Ed La Cour / Ed La Cour	9/9/14	5:00
	Ed La Cour / Ed La Cour	9/9/14	4:52	Kathy Boyd	9/10/14	11:37

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

Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
This is a legal document: any misrepresentation may be construed as fraud.

155545

Client Name	Project Identification	Sampler (Signature/Attestation of Authenticity)	Telephone #
Cameco Resources	S.R.H. B-Field Resto GL8	Gwen Frame / Kath Amos	307-358-6541 X427

Report Address	Contact Name
BOX 1210 Glenrock, WY. 82637	Larry Wilbanks
	Email: Larry_wilbanks@cameco.com
	Phone: 307-358-6541 X427

Invoice Address	Purchase Order #	Quote #
Same		

ANALYSES / PARAMETERS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	New Guidelines						Cooler Temp		REMARKS
1	51409199-015	9-8-14	11:07	BmP-026	WT	6	✓						2.3		
2	016	↓	11:25	Bmp-027	↓	↓	✓						1.7		
3	017	↓	12:49	Bmp-028	↓	↓	✓						0.8		
4	018	↓	8:01	Bmp--029	↓	↓	✓						2.3		
5	019	↓	7:24	Bmp-030	↓	↓	✓						0.8		
6	020	↓	7:30	Bmp-031	↓	↓	✓						1.9		
7															
8															
9															
10															
11															
12															
13															
14															

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
	Gwen Frame / Kath Amos	9-9-14	700	Ed La Cour / Ed La Cour	9/9/14	3:00
	Ed La Cour / Ed La Cour	9/9/14	4:52	Kathy Boyd	9.9.14	11:37

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

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Date: 10/23/2014

CLIENT: Power Resources (Cameco)
Project: S.R.H.B-Field -Resto GL8
Lab Order: S1409199

CASE NARRATIVE

Report ID: S1409199001

Samples BMP-011, BMP-012, BMP-013, BMP-014, BMP-015, BMP-016, BMP-018, BMP-019, BMP-020, BMP-021, BMP-022, BMP-023, BMP-024, BMP-025, BMP-026, BMP-027, BMP-028, BMP-029, BMP-030, and BMP-031 were received on September 10, 2014.

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.

Qualifiers by sample
S1409199-005 - Dissolved Metals/Iron - Spike Recovery outside accepted recovery limits
S1409199-012 - Dissolved Metals/Iron - Spike Recovery outside accepted recovery limits
S1409199-019 - Dissolved Metals/Iron - Spike Recovery outside accepted recovery limits
S1409199-015 - Total Metals/Iron - Spike Recovery outside accepted recovery limits
Radiochemistry/Radium 226 (Dissolved) - Spike Recovery outside accepted recovery limits

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-001
ClientSample ID: BMP-011
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:32:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	224	mg/L		5	SM 2320B	09/11/2014 2105	BT
Alkalinity, Bicarbonate as HCO3	273	mg/L		5	SM 2320B	09/11/2014 2105	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2105	BT
Chloride	7	mg/L		1	EPA 300.0	09/11/2014 2051	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/11/2014 2105	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1416	AMB
Sulfate	77	mg/L		1	EPA 300.0	09/11/2014 2051	AB
Calcium	65	mg/L		1	EPA 200.7	09/11/2014 1817	DG
Magnesium	13	mg/L		1	EPA 200.7	09/11/2014 1817	DG
Potassium	6	mg/L		1	EPA 200.7	09/11/2014 1817	DG
Sodium	51	mg/L		1	EPA 200.7	09/11/2014 1817	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1105	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/11/2014 1817	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/11/2014 2105	BT
Electrical Conductivity	622	µmhos/cm		5	SM 2510B	09/11/2014 2105	BT
Total Dissolved Solids (180)	380	mg/L		10	SM 2540	09/10/2014 1758	IR
Data Quality							
Cation Sum	6.69	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	6.29	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	3.11	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-001
ClientSample ID: BMP-011
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:32:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1817	DG
Arsenic	0.001	mg/L		0.001	EPA 200.8	09/11/2014 1144	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1144	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1817	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1817	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1144	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1817	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1144	MS
Iron	1.04	mg/L		0.05	EPA 200.7	09/11/2014 1817	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1144	MS
Manganese	0.15	mg/L		0.01	EPA 200.7	09/11/2014 1817	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1026	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1144	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1817	DG
Selenium	0.041	mg/L		0.001	EPA 200.8	09/11/2014 1144	MS
Uranium	1.25	mg/L		0.0003	EPA 200.8	09/11/2014 1144	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1144	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1817	DG
Metals - Total							
Iron	1.22	mg/L		0.05	EPA 200.7	09/12/2014 1806	DG
Manganese	0.15	mg/L		0.01	EPA 200.7	09/12/2014 1806	DG
Radionuclides - Dissolved							
Gross Alpha	788	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	33.4	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	382	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	22.2	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	183	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	1.9	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/27/2014 052	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/27/2014 052	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-002
ClientSample ID: BMP-012
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:15:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	237	mg/L		5	SM 2320B	09/11/2014 2130	BT
Alkalinity, Bicarbonate as HCO3	289	mg/L		5	SM 2320B	09/11/2014 2130	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2130	BT
Chloride	8	mg/L		1	EPA 300.0	09/11/2014 2104	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/11/2014 2130	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1417	AMB
Sulfate	70	mg/L		1	EPA 300.0	09/11/2014 2104	AB
Calcium	75	mg/L		1	EPA 200.7	09/11/2014 1819	DG
Magnesium	14	mg/L		1	EPA 200.7	09/11/2014 1819	DG
Potassium	5	mg/L		1	EPA 200.7	09/11/2014 1819	DG
Sodium	37	mg/L		1	EPA 200.7	09/11/2014 1819	DG
Nitrogen, Ammonia (As N)	1.3	mg/L		0.1	EPA 350.1	09/16/2014 1106	AMB
Silica as SiO2	12	mg/L		1	EPA 200.7	09/11/2014 1819	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/11/2014 2130	BT
Electrical Conductivity	598	µmhos/cm		5	SM 2510B	09/11/2014 2130	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	09/14/2014 1134	IR
Data Quality							
Cation Sum	6.73	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	6.44	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.17	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-002
ClientSample ID: BMP-012
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:15:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1819	DG
Arsenic	0.083	mg/L		0.001	EPA 200.8	09/11/2014 1204	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1204	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1819	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1819	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1204	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1819	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1204	MS
Iron	3.10	mg/L		0.05	EPA 200.7	09/11/2014 1819	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1204	MS
Manganese	0.36	mg/L		0.01	EPA 200.7	09/11/2014 1819	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1028	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1204	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1819	DG
Selenium	0.035	mg/L		0.001	EPA 200.8	09/11/2014 1204	MS
Uranium	4.16	mg/L		0.0003	EPA 200.8	09/11/2014 1204	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1204	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1819	DG
Metals - Total							
Iron	3.50	mg/L		0.05	EPA 200.7	09/12/2014 1808	DG
Manganese	0.37	mg/L		0.01	EPA 200.7	09/12/2014 1808	DG
Radionuclides - Dissolved							
Gross Alpha	2080	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	54.7	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	1260	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	37.2	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	452	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	3.0	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/27/2014 353	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/27/2014 353	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-003
ClientSample ID: BMP-013
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:45:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	228	mg/L		5	SM 2320B	09/11/2014 2143	BT
Alkalinity, Bicarbonate as HCO3	278	mg/L		5	SM 2320B	09/11/2014 2143	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2143	BT
Chloride	15	mg/L		1	EPA 300.0	09/11/2014 2116	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/11/2014 2143	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1425	AMB
Sulfate	69	mg/L		1	EPA 300.0	09/11/2014 2116	AB
Calcium	70	mg/L		1	EPA 200.7	09/11/2014 1822	DG
Magnesium	14	mg/L		1	EPA 200.7	09/11/2014 1822	DG
Potassium	5	mg/L		1	EPA 200.7	09/11/2014 1822	DG
Sodium	49	mg/L		1	EPA 200.7	09/11/2014 1822	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	09/16/2014 1107	AMB
Silica as SiO2	12	mg/L		1	EPA 200.7	09/11/2014 1822	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	09/11/2014 2143	BT
Electrical Conductivity	664	µmhos/cm		5	SM 2510B	09/11/2014 2143	BT
Total Dissolved Solids (180)	400	mg/L		10	SM 2540	09/14/2014 1135	IR
Data Quality							
Cation Sum	6.96	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	6.40	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	4.20	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-003
ClientSample ID: BMP-013
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:45:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1822	DG
Arsenic	0.013	mg/L		0.001	EPA 200.8	09/11/2014 1220	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1220	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1822	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1822	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1220	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1822	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1220	MS
Iron	1.09	mg/L		0.05	EPA 200.7	09/11/2014 1822	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1220	MS
Manganese	0.31	mg/L		0.01	EPA 200.7	09/11/2014 1822	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1030	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1220	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1822	DG
Selenium	0.006	mg/L		0.001	EPA 200.8	09/11/2014 1220	MS
Uranium	2.08	mg/L		0.0003	EPA 200.8	09/11/2014 1220	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1220	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1822	DG
Metals - Total							
Iron	1.81	mg/L		0.05	EPA 200.7	09/12/2014 1811	DG
Manganese	0.33	mg/L		0.01	EPA 200.7	09/12/2014 1811	DG
Radionuclides - Dissolved							
Gross Alpha	3260	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	68.7	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	2295	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	49.0	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	297	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/27/2014 654	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/27/2014 654	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-004
ClientSample ID: BMP-014
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:00:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	307	mg/L		5	SM 2320B	09/11/2014 2155	BT
Alkalinity, Bicarbonate as HCO3	374	mg/L		5	SM 2320B	09/11/2014 2155	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2155	BT
Chloride	21	mg/L		1	EPA 300.0	09/11/2014 2128	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/11/2014 2155	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1427	AMB
Sulfate	88	mg/L		1	EPA 300.0	09/11/2014 2128	AB
Calcium	97	mg/L		1	EPA 200.7	09/11/2014 1824	DG
Magnesium	19	mg/L		1	EPA 200.7	09/11/2014 1824	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1824	DG
Sodium	57	mg/L		1	EPA 200.7	09/11/2014 1824	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1108	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/11/2014 1824	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	09/11/2014 2155	BT
Electrical Conductivity	845	µmhos/cm		5	SM 2510B	09/11/2014 2155	BT
Total Dissolved Solids (180)	530	mg/L		10	SM 2540	09/14/2014 1136	IR
Data Quality							
Cation Sum	9.06	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	8.55	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.90	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	490	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.08	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-004
ClientSample ID: BMP-014
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:00:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1824	DG
Arsenic	0.053	mg/L		0.001	EPA 200.8	09/11/2014 1226	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1226	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1824	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1824	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1226	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1824	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1226	MS
Iron	2.19	mg/L		0.05	EPA 200.7	09/11/2014 1824	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1226	MS
Manganese	0.30	mg/L		0.01	EPA 200.7	09/11/2014 1824	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1039	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1226	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1824	DG
Selenium	0.020	mg/L		0.001	EPA 200.8	09/11/2014 1226	MS
Uranium	6.36	mg/L		0.0003	EPA 200.8	09/11/2014 1226	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1226	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1824	DG
Metals - Total							
Iron	3.09	mg/L		0.05	EPA 200.7	09/12/2014 1820	DG
Manganese	0.32	mg/L		0.01	EPA 200.7	09/12/2014 1820	DG
Radionuclides - Dissolved							
Gross Alpha	3550	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	76.3	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	2300	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	52.0	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	481	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	3.1	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	1.7	pCi/L		1	Ga-Tech	09/27/2014 954	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	09/27/2014 954	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-005
ClientSample ID: BMP-015
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:25:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	293	mg/L		5	SM 2320B	09/11/2014 2206	BT
Alkalinity, Bicarbonate as HCO3	357	mg/L		5	SM 2320B	09/11/2014 2206	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2206	BT
Chloride	14	mg/L		1	EPA 300.0	09/11/2014 2141	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/11/2014 2206	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1428	AMB
Sulfate	72	mg/L		1	EPA 300.0	09/11/2014 2141	AB
Calcium	94	mg/L		1	EPA 200.7	09/11/2014 1828	DG
Magnesium	17	mg/L		1	EPA 200.7	09/11/2014 1828	DG
Potassium	6	mg/L		1	EPA 200.7	09/11/2014 1828	DG
Sodium	48	mg/L		1	EPA 200.7	09/11/2014 1828	DG
Nitrogen, Ammonia (As N)	1.4	mg/L		0.1	EPA 350.1	09/16/2014 1109	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/11/2014 1828	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/11/2014 2206	BT
Electrical Conductivity	772	µmhos/cm		5	SM 2510B	09/11/2014 2206	BT
Total Dissolved Solids (180)	470	mg/L		10	SM 2540	09/14/2014 1137	IR
Data Quality							
Cation Sum	8.40	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	7.76	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	3.94	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	440	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-005
ClientSample ID: BMP-015
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:25:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1828	DG
Arsenic	0.032	mg/L		0.001	EPA 200.8	09/11/2014 1231	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1231	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1828	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1828	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1231	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1828	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1231	MS
Iron	3.46	mg/L		0.05	EPA 200.7	09/11/2014 1828	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1231	MS
Manganese	0.38	mg/L		0.01	EPA 200.7	09/11/2014 1828	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1047	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1231	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1828	DG
Selenium	0.032	mg/L		0.001	EPA 200.8	09/11/2014 1231	MS
Uranium	2.55	mg/L		0.0003	EPA 200.8	09/11/2014 1231	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1231	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1828	DG
Metals - Total							
Iron	3.95	mg/L		0.05	EPA 200.7	09/12/2014 1822	DG
Manganese	0.39	mg/L		0.01	EPA 200.7	09/12/2014 1822	DG
Radionuclides - Dissolved							
Gross Alpha	1970	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	55.9	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	1120	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	37.6	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	531	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	3.3	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	4.5	pCi/L		1	Ga-Tech	09/27/2014 1255	MB
Radium 228 Precision (±)	1.3	pCi/L			Ga-Tech	09/27/2014 1255	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-006
ClientSample ID: BMP-016
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:30:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	264	mg/L		5	SM 2320B	09/11/2014 2219	BT
Alkalinity, Bicarbonate as HCO3	322	mg/L		5	SM 2320B	09/11/2014 2219	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2219	BT
Chloride	7	mg/L		1	EPA 300.0	09/11/2014 2153	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	09/11/2014 2219	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1429	AMB
Sulfate	51	mg/L		1	EPA 300.0	09/11/2014 2153	AB
Calcium	68	mg/L		1	EPA 200.7	09/11/2014 1842	DG
Magnesium	14	mg/L		1	EPA 200.7	09/11/2014 1842	DG
Potassium	5	mg/L		1	EPA 200.7	09/11/2014 1842	DG
Sodium	54	mg/L		1	EPA 200.7	09/11/2014 1842	DG
Nitrogen, Ammonia (As N)	0.1	mg/L		0.1	EPA 350.1	09/16/2014 1110	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/11/2014 1842	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	09/11/2014 2219	BT
Electrical Conductivity	645	µmhos/cm		5	SM 2510B	09/11/2014 2219	BT
Total Dissolved Solids (180)	410	mg/L		10	SM 2540	09/14/2014 1138	IR
Data Quality							
Cation Sum	7.04	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	6.54	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	3.62	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	370	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.11	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-006
ClientSample ID: BMP-016
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:30:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1842	DG
Arsenic	0.031	mg/L		0.001	EPA 200.8	09/11/2014 1236	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1236	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1842	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1842	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1236	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1842	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1236	MS
Iron	2.40	mg/L		0.05	EPA 200.7	09/11/2014 1842	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1236	MS
Manganese	0.44	mg/L		0.01	EPA 200.7	09/11/2014 1842	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1049	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1236	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1842	DG
Selenium	0.004	mg/L		0.001	EPA 200.8	09/11/2014 1236	MS
Uranium	2.94	mg/L		0.0003	EPA 200.8	09/11/2014 1236	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1236	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1842	DG
Metals - Total							
Iron	2.68	mg/L		0.05	EPA 200.7	09/12/2014 1824	DG
Manganese	0.45	mg/L		0.01	EPA 200.7	09/12/2014 1824	DG
Radionuclides - Dissolved							
Gross Alpha	1720	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	51.4	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	1070	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	36.5	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	373	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	2.7	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	ND	pCi/L		1	Ga-Tech	09/27/2014 1556	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	09/27/2014 1556	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-007
ClientSample ID: BMP-018
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:45:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	287	mg/L		5	SM 2320B	09/11/2014 2232	BT
Alkalinity, Bicarbonate as HCO3	350	mg/L		5	SM 2320B	09/11/2014 2232	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2232	BT
Chloride	20	mg/L		1	EPA 300.0	09/11/2014 2320	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/11/2014 2232	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1430	AMB
Sulfate	191	mg/L		1	EPA 300.0	09/11/2014 2320	AB
Calcium	103	mg/L		1	EPA 200.7	09/11/2014 1844	DG
Magnesium	24	mg/L		1	EPA 200.7	09/11/2014 1844	DG
Potassium	8	mg/L		1	EPA 200.7	09/11/2014 1844	DG
Sodium	75	mg/L		1	EPA 200.7	09/11/2014 1844	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	09/16/2014 1111	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	09/11/2014 1844	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/11/2014 2232	BT
Electrical Conductivity	991	µmhos/cm		5	SM 2510B	09/11/2014 2232	BT
Total Dissolved Solids (180)	650	mg/L		10	SM 2540	09/14/2014 1139	IR
Data Quality							
Cation Sum	10.53	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	10.29	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	1.17	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	610	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-007
ClientSample ID: BMP-018
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:45:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1844	DG
Arsenic	0.005	mg/L		0.001	EPA 200.8	09/11/2014 1242	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1242	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1844	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1844	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1242	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1844	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1242	MS
Iron	1.48	mg/L		0.05	EPA 200.7	09/11/2014 1844	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1242	MS
Manganese	0.21	mg/L		0.01	EPA 200.7	09/11/2014 1844	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1051	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1242	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1844	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	09/11/2014 1242	MS
Uranium	0.690	mg/L		0.0003	EPA 200.8	09/11/2014 1242	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1242	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1844	DG
Metals - Total							
Iron	2.58	mg/L		0.05	EPA 200.7	09/12/2014 1835	DG
Manganese	0.22	mg/L		0.01	EPA 200.7	09/12/2014 1835	DG
Radionuclides - Dissolved							
Gross Alpha	605	pCi/L		2	SM 7110B	10/01/2014 1055	MB
Gross Alpha Precision (±)	16.1	pCi/L			SM 7110B	10/01/2014 1055	MB
Gross Beta	262	pCi/L		3	SM 7110B	10/01/2014 1055	MB
Gross Beta Precision (±)	8.2	pCi/L			SM 7110B	10/01/2014 1055	MB
Radium 226	290	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	2.4	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	3.1	pCi/L		1	Ga-Tech	09/27/2014 1857	MB
Radium 228 Precision (±)	1.6	pCi/L			Ga-Tech	09/27/2014 1857	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-008
ClientSample ID: BMP-019
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 12:17:00 PM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	234	mg/L		5	SM 2320B	09/11/2014 2244	BT
Alkalinity, Bicarbonate as HCO3	286	mg/L		5	SM 2320B	09/11/2014 2244	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2244	BT
Chloride	20	mg/L		1	EPA 300.0	09/11/2014 2332	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	09/11/2014 2244	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1431	AMB
Sulfate	65	mg/L		1	EPA 300.0	09/11/2014 2332	AB
Calcium	74	mg/L		1	EPA 200.7	09/11/2014 1847	DG
Magnesium	16	mg/L		1	EPA 200.7	09/11/2014 1847	DG
Potassium	6	mg/L		1	EPA 200.7	09/11/2014 1847	DG
Sodium	42	mg/L		1	EPA 200.7	09/11/2014 1847	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1118	AMB
Silica as SiO2	18	mg/L		1	EPA 200.7	09/11/2014 1847	DG
General Parameters							
pH	7.7	s.u.		0.1	SM 4500 H B	09/11/2014 2244	BT
Electrical Conductivity	632	µmhos/cm		5	SM 2510B	09/11/2014 2244	BT
Total Dissolved Solids (180)	400	mg/L		10	SM 2540	09/14/2014 1140	IR
Data Quality							
Cation Sum	7.01	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	6.61	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.99	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	380	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-008
ClientSample ID: BMP-019
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 12:17:00 PM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1847	DG
Arsenic	0.014	mg/L		0.001	EPA 200.8	09/11/2014 1247	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1247	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1847	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1847	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1247	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1847	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1247	MS
Iron	7.57	mg/L		0.05	EPA 200.7	09/11/2014 1847	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1247	MS
Manganese	0.32	mg/L		0.01	EPA 200.7	09/11/2014 1847	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1053	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1247	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1847	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	09/11/2014 1247	MS
Uranium	0.480	mg/L		0.0003	EPA 200.8	09/11/2014 1247	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1247	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1847	DG
Metals - Total							
Iron	10.2	mg/L		0.05	EPA 200.7	09/12/2014 1842	DG
Manganese	0.33	mg/L		0.01	EPA 200.7	09/12/2014 1842	DG
Radionuclides - Dissolved							
Gross Alpha	568	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	30.6	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	225	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	20.2	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	326	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	1.8	pCi/L		1	Ga-Tech	09/27/2014 2158	MB
Radium 228 Precision (±)	1.9	pCi/L			Ga-Tech	09/27/2014 2158	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-009
ClientSample ID: BMP-020
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:53:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	136	mg/L		5	SM 2320B	09/11/2014 2256	BT
Alkalinity, Bicarbonate as HCO3	166	mg/L		5	SM 2320B	09/11/2014 2256	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2256	BT
Chloride	5	mg/L		1	EPA 300.0	09/11/2014 2344	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/11/2014 2256	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1432	AMB
Sulfate	141	mg/L		1	EPA 300.0	09/11/2014 2344	AB
Calcium	36	mg/L		1	EPA 200.7	09/11/2014 1849	DG
Magnesium	5	mg/L		1	EPA 200.7	09/11/2014 1849	DG
Potassium	3	mg/L		1	EPA 200.7	09/11/2014 1849	DG
Sodium	91	mg/L		1	EPA 200.7	09/11/2014 1849	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1119	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	09/11/2014 1849	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	09/11/2014 2256	BT
Electrical Conductivity	641	µmhos/cm		5	SM 2510B	09/11/2014 2256	BT
Total Dissolved Solids (180)	390	mg/L		10	SM 2540	09/14/2014 1141	IR
Data Quality							
Cation Sum	6.30	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	5.80	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	4.17	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	380	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.03	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-009
ClientSample ID: BMP-020
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:53:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1849	DG
Arsenic	0.007	mg/L		0.001	EPA 200.8	09/11/2014 1252	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1252	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1849	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1849	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1252	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1849	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1252	MS
Iron	0.31	mg/L		0.05	EPA 200.7	09/11/2014 1849	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1252	MS
Manganese	0.43	mg/L		0.01	EPA 200.7	09/11/2014 1849	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1055	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1252	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1849	DG
Selenium	0.004	mg/L		0.001	EPA 200.8	09/11/2014 1252	MS
Uranium	0.455	mg/L		0.0003	EPA 200.8	09/11/2014 1252	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1252	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1849	DG
Metals - Total							
Iron	0.88	mg/L		0.05	EPA 200.7	09/12/2014 1844	DG
Manganese	0.45	mg/L		0.01	EPA 200.7	09/12/2014 1844	DG
Radionuclides - Dissolved							
Gross Alpha	995	pCi/L		2	SM 7110B	10/13/2014 1623	MB
Gross Alpha Precision (±)	26.0	pCi/L			SM 7110B	10/13/2014 1623	MB
Gross Beta	538	pCi/L		3	SM 7110B	10/13/2014 1623	MB
Gross Beta Precision (±)	13.5	pCi/L			SM 7110B	10/13/2014 1623	MB
Radium 226	229	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	2.1	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	2.8	pCi/L		1	Ga-Tech	09/28/2014 059	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	09/28/2014 059	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-010
ClientSample ID: BMP-021
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:34:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	309	mg/L		5	SM 2320B	09/11/2014 2308	BT
Alkalinity, Bicarbonate as HCO3	377	mg/L		5	SM 2320B	09/11/2014 2308	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2308	BT
Chloride	22	mg/L		1	EPA 300.0	09/11/2014 2357	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/11/2014 2308	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1434	AMB
Sulfate	111	mg/L		1	EPA 300.0	09/11/2014 2357	AB
Calcium	89	mg/L		1	EPA 200.7	09/11/2014 1851	DG
Magnesium	14	mg/L		1	EPA 200.7	09/11/2014 1851	DG
Potassium	8	mg/L		1	EPA 200.7	09/11/2014 1851	DG
Sodium	91	mg/L		1	EPA 200.7	09/11/2014 1851	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/16/2014 1120	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/11/2014 1851	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/11/2014 2308	BT
Electrical Conductivity	821	µmhos/cm		5	SM 2510B	09/11/2014 2308	BT
Total Dissolved Solids (180)	550	mg/L		10	SM 2540	09/14/2014 1142	IR
Data Quality							
Cation Sum	9.79	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	9.12	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	3.54	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	540	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.02	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-010
ClientSample ID: BMP-021
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:34:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1851	DG
Arsenic	0.153	mg/L		0.001	EPA 200.8	09/11/2014 1258	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1258	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1851	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1851	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1258	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1851	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1258	MS
Iron	1.78	mg/L		0.05	EPA 200.7	09/11/2014 1851	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1258	MS
Manganese	0.47	mg/L		0.01	EPA 200.7	09/11/2014 1851	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1057	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1258	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1851	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1258	MS
Uranium	2.18	mg/L		0.0003	EPA 200.8	09/11/2014 1258	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1258	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1851	DG
Metals - Total							
Iron	2.01	mg/L		0.05	EPA 200.7	09/12/2014 1847	DG
Manganese	0.50	mg/L		0.01	EPA 200.7	09/12/2014 1847	DG
Radionuclides - Dissolved							
Gross Alpha	1470	pCi/L		2	SM 7110B	10/20/2014 1512	MB
Gross Alpha Precision (±)	48.6	pCi/L			SM 7110B	10/20/2014 1512	MB
Gross Beta	811	pCi/L		3	SM 7110B	10/20/2014 1512	MB
Gross Beta Precision (±)	32.1	pCi/L			SM 7110B	10/20/2014 1512	MB
Radium 226	664	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	3.7	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	2.6	pCi/L		1	Ga-Tech	09/28/2014 400	MB
Radium 228 Precision (±)	1.8	pCi/L			Ga-Tech	09/28/2014 400	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-011
ClientSample ID: BMP-022
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:00:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	359	mg/L		5	SM 2320B	09/11/2014 2342	BT
Alkalinity, Bicarbonate as HCO3	438	mg/L		5	SM 2320B	09/11/2014 2342	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/11/2014 2342	BT
Chloride	15	mg/L		1	EPA 300.0	09/12/2014 009	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/11/2014 2342	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1435	AMB
Sulfate	32	mg/L		1	EPA 300.0	09/12/2014 009	AB
Calcium	106	mg/L		1	EPA 200.7	09/11/2014 1853	DG
Magnesium	22	mg/L		1	EPA 200.7	09/11/2014 1853	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1853	DG
Sodium	29	mg/L		1	EPA 200.7	09/11/2014 1853	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	09/16/2014 1121	AMB
Silica as SiO2	20	mg/L		1	EPA 200.7	09/11/2014 1853	DG
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	09/11/2014 2342	BT
Electrical Conductivity	780	µmhos/cm		5	SM 2510B	09/11/2014 2342	BT
Total Dissolved Solids (180)	460	mg/L		10	SM 2540	09/14/2014 1143	IR
Data Quality							
Cation Sum	8.60	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	8.26	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	1.96	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	450	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.02	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-011
ClientSample ID: BMP-022
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:00:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1853	DG
Arsenic	0.190	mg/L		0.001	EPA 200.8	09/11/2014 1303	MS
Barium	0.1	mg/L		0.1	EPA 200.8	09/11/2014 1303	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1853	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1853	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1303	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1853	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1303	MS
Iron	11.1	mg/L		0.05	EPA 200.7	09/11/2014 1853	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1303	MS
Manganese	0.61	mg/L		0.01	EPA 200.7	09/11/2014 1853	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1059	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1303	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1853	DG
Selenium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1303	MS
Uranium	0.750	mg/L		0.0003	EPA 200.8	09/11/2014 1303	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1303	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1853	DG
Metals - Total							
Iron	12.8	mg/L		0.05	EPA 200.7	09/12/2014 1849	DG
Manganese	0.65	mg/L		0.01	EPA 200.7	09/12/2014 1849	DG
Radionuclides - Dissolved							
Gross Alpha	917	pCi/L		2	SM 7110B	09/30/2014 2135	MB
Gross Alpha Precision (±)	16.1	pCi/L			SM 7110B	09/30/2014 2135	MB
Gross Beta	188	pCi/L		3	SM 7110B	09/30/2014 2135	MB
Gross Beta Precision (±)	4.9	pCi/L			SM 7110B	09/30/2014 2135	MB
Radium 226	703	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 903	MB
Radium 226 Precision (±)	3.7	pCi/L			SM 7500 Ra-B	09/26/2014 903	MB
Radium 228	3.0	pCi/L		1	Ga-Tech	09/28/2014 701	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	09/28/2014 701	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-012
ClientSample ID: BMP-023
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:57:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	330	mg/L		5	SM 2320B	09/12/2014 007	BT
Alkalinity, Bicarbonate as HCO3	403	mg/L		5	SM 2320B	09/12/2014 007	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 007	BT
Chloride	11	mg/L		1	EPA 300.0	09/12/2014 021	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/12/2014 007	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1436	AMB
Sulfate	62	mg/L		1	EPA 300.0	09/12/2014 021	AB
Calcium	105	mg/L		1	EPA 200.7	09/11/2014 1858	DG
Magnesium	21	mg/L		1	EPA 200.7	09/11/2014 1858	DG
Potassium	6	mg/L		1	EPA 200.7	09/11/2014 1858	DG
Sodium	37	mg/L		1	EPA 200.7	09/11/2014 1858	DG
Nitrogen, Ammonia (As N)	0.8	mg/L		0.1	EPA 350.1	09/16/2014 1122	AMB
Silica as SiO2	19	mg/L		1	EPA 200.7	09/11/2014 1858	DG
General Parameters							
pH	7.8	s.u.		0.1	SM 4500 H B	09/12/2014 007	BT
Electrical Conductivity	700	µmhos/cm		5	SM 2510B	09/12/2014 007	BT
Total Dissolved Solids (180)	490	mg/L		10	SM 2540	09/14/2014 1145	IR
Data Quality							
Cation Sum	8.79	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	8.22	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	3.35	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	460	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.07	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-012
ClientSample ID: BMP-023
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 9:57:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1858	DG
Arsenic	0.110	mg/L		0.001	EPA 200.8	09/11/2014 1334	MS
Barium	0.1	mg/L		0.1	EPA 200.8	09/11/2014 1334	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1858	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1858	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1334	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1858	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1334	MS
Iron	8.64	mg/L		0.05	EPA 200.7	09/11/2014 1858	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1334	MS
Manganese	0.70	mg/L		0.01	EPA 200.7	09/11/2014 1858	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1105	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1334	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1858	DG
Selenium	0.017	mg/L		0.001	EPA 200.8	09/11/2014 1334	MS
Uranium	1.25	mg/L		0.0003	EPA 200.8	09/11/2014 1334	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1334	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1858	DG
Metals - Total							
Iron	9.52	mg/L		0.05	EPA 200.7	09/12/2014 1851	DG
Manganese	0.75	mg/L		0.01	EPA 200.7	09/12/2014 1851	DG
Radionuclides - Dissolved							
Gross Alpha	1280	pCi/L		2	SM 7110B	10/13/2014 1623	MB
Gross Alpha Precision (±)	33.5	pCi/L			SM 7110B	10/13/2014 1623	MB
Gross Beta	521	pCi/L		3	SM 7110B	10/13/2014 1623	MB
Gross Beta Precision (±)	13.6	pCi/L			SM 7110B	10/13/2014 1623	MB
Radium 226	701	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	3.7	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	6.3	pCi/L		1	Ga-Tech	10/03/2014 1035	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	10/03/2014 1035	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank
C	Calculated Value
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
S	Spike Recovery outside accepted recovery limits
X	Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-013
ClientSample ID: BMP-024
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:28:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	426	mg/L		5	SM 2320B	09/12/2014 019	BT
Alkalinity, Bicarbonate as HCO3	520	mg/L		5	SM 2320B	09/12/2014 019	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 019	BT
Chloride	19	mg/L		1	EPA 300.0	09/12/2014 034	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/12/2014 019	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1444	AMB
Sulfate	25	mg/L		1	EPA 300.0	09/12/2014 034	AB
Calcium	148	mg/L		1	EPA 200.7	09/11/2014 1912	DG
Magnesium	20	mg/L		1	EPA 200.7	09/11/2014 1912	DG
Potassium	6	mg/L		1	EPA 200.7	09/11/2014 1912	DG
Sodium	21	mg/L		1	EPA 200.7	09/11/2014 1912	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	09/16/2014 1123	AMB
Silica as SiO2	21	mg/L		1	EPA 200.7	09/11/2014 1912	DG
General Parameters							
pH	7.8	s.u.		0.1	SM 4500 H B	09/12/2014 019	BT
Electrical Conductivity	910	µmhos/cm		5	SM 2510B	09/12/2014 019	BT
Total Dissolved Solids (180)	530	mg/L		10	SM 2540	09/14/2014 1146	IR
Data Quality							
Cation Sum	10.10	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	9.58	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.62	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	520	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.02	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-013
ClientSample ID: BMP-024
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:28:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1912	DG
Arsenic	0.028	mg/L		0.001	EPA 200.8	09/11/2014 1340	MS
Barium	0.2	mg/L		0.1	EPA 200.8	09/11/2014 1340	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1912	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1912	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1340	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1912	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1340	MS
Iron	9.77	mg/L		0.05	EPA 200.7	09/11/2014 1912	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1340	MS
Manganese	1.47	mg/L		0.01	EPA 200.7	09/11/2014 1912	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1112	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1340	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1912	DG
Selenium	0.004	mg/L		0.001	EPA 200.8	09/11/2014 1340	MS
Uranium	0.800	mg/L		0.0003	EPA 200.8	09/11/2014 1340	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1340	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1912	DG
Metals - Total							
Iron	10.8	mg/L		0.05	EPA 200.7	09/12/2014 1907	DG
Manganese	1.55	mg/L		0.01	EPA 200.7	09/12/2014 1907	DG
Radionuclides - Dissolved							
Gross Alpha	926	pCi/L		2	SM 7110B	10/01/2014 1055	MB
Gross Alpha Precision (±)	17.4	pCi/L			SM 7110B	10/01/2014 1055	MB
Gross Beta	217	pCi/L		3	SM 7110B	10/01/2014 1055	MB
Gross Beta Precision (±)	5.3	pCi/L			SM 7110B	10/01/2014 1055	MB
Radium 226	373	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	2.7	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	2.1	pCi/L		1	Ga-Tech	10/03/2014 1336	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	10/03/2014 1336	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-014
ClientSample ID: BMP-025
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:56:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	170	mg/L		5	SM 2320B	09/12/2014 032	BT
Alkalinity, Bicarbonate as HCO3	207	mg/L		5	SM 2320B	09/12/2014 032	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 032	BT
Chloride	10	mg/L		1	EPA 300.0	09/12/2014 046	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	09/12/2014 032	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1445	AMB
Sulfate	162	mg/L		1	EPA 300.0	09/12/2014 046	AB
Calcium	93	mg/L		1	EPA 200.7	09/11/2014 1914	DG
Magnesium	17	mg/L		1	EPA 200.7	09/11/2014 1914	DG
Potassium	6	mg/L		1	EPA 200.7	09/11/2014 1914	DG
Sodium	33	mg/L		1	EPA 200.7	09/11/2014 1914	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	09/16/2014 1124	AMB
Silica as SiO2	13	mg/L		1	EPA 200.7	09/11/2014 1914	DG
General Parameters							
pH	7.9	s.u.		0.1	SM 4500 H B	09/12/2014 032	BT
Electrical Conductivity	729	µmhos/cm		5	SM 2510B	09/12/2014 032	BT
Total Dissolved Solids (180)	490	mg/L		10	SM 2540	09/14/2014 1147	IR
Data Quality							
Cation Sum	7.63	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	7.04	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	3.98	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	440	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.11	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-014
ClientSample ID: BMP-025
COC: 155544

WorkOrder: S1409199
CollectionDate: 9/8/2014 10:56:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1914	DG
Arsenic	0.006	mg/L		0.001	EPA 200.8	09/11/2014 1345	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1345	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1914	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1914	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1345	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1914	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1345	MS
Iron	3.44	mg/L		0.05	EPA 200.7	09/11/2014 1914	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1345	MS
Manganese	0.36	mg/L		0.01	EPA 200.7	09/11/2014 1914	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1114	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1345	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1914	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	09/11/2014 1345	MS
Uranium	0.162	mg/L		0.0003	EPA 200.8	09/11/2014 1345	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1345	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1914	DG
Metals - Total							
Iron	4.09	mg/L		0.05	EPA 200.7	09/12/2014 1909	DG
Manganese	0.38	mg/L		0.01	EPA 200.7	09/12/2014 1909	DG
Radionuclides - Dissolved							
Gross Alpha	437	pCi/L		2	SM 7110B	10/01/2014 1055	MB
Gross Alpha Precision (±)	10.3	pCi/L			SM 7110B	10/01/2014 1055	MB
Gross Beta	165	pCi/L		3	SM 7110B	10/01/2014 1055	MB
Gross Beta Precision (±)	4.5	pCi/L			SM 7110B	10/01/2014 1055	MB
Radium 226	266	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	2.3	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	1.7	pCi/L		1	Ga-Tech	10/03/2014 1637	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	10/03/2014 1637	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-015
ClientSample ID: BMP-026
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:07:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	273	mg/L		5	SM 2320B	09/12/2014 045	BT
Alkalinity, Bicarbonate as HCO3	333	mg/L		5	SM 2320B	09/12/2014 045	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 045	BT
Chloride	2	mg/L		1	EPA 300.0	09/12/2014 058	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	09/12/2014 045	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1446	AMB
Sulfate	ND	mg/L		1	EPA 300.0	09/12/2014 058	AB
Calcium	72	mg/L		1	EPA 200.7	09/11/2014 1916	DG
Magnesium	14	mg/L		1	EPA 200.7	09/11/2014 1916	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1916	DG
Sodium	12	mg/L		1	EPA 200.7	09/11/2014 1916	DG
Nitrogen, Ammonia (As N)	4.9	mg/L		0.1	EPA 350.1	09/16/2014 1125	AMB
Silica as SiO2	15	mg/L		1	EPA 200.7	09/11/2014 1916	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/12/2014 045	BT
Electrical Conductivity	536	µmhos/cm		5	SM 2510B	09/12/2014 045	BT
Total Dissolved Solids (180)	280	mg/L		10	SM 2540	09/14/2014 1148	IR
Data Quality							
Cation Sum	5.79	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	5.50	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.59	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	290	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.97	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-015
ClientSample ID: BMP-026
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:07:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1916	DG
Arsenic	0.054	mg/L		0.001	EPA 200.8	09/11/2014 1350	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1350	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1916	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1916	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1350	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1916	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1350	MS
Iron	19.9	mg/L		0.05	EPA 200.7	09/11/2014 1916	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1350	MS
Manganese	1.03	mg/L		0.01	EPA 200.7	09/11/2014 1916	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1116	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1350	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1916	DG
Selenium	0.006	mg/L		0.001	EPA 200.8	09/11/2014 1350	MS
Uranium	0.0675	mg/L		0.0003	EPA 200.8	09/11/2014 1350	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1350	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1916	DG
Metals - Total							
Iron	22.3	mg/L		0.05	EPA 200.7	09/12/2014 1914	DG
Manganese	1.10	mg/L		0.01	EPA 200.7	09/12/2014 1914	DG
Radionuclides - Dissolved							
Gross Alpha	801	pCi/L		2	SM 7110B	10/01/2014 1055	MB
Gross Alpha Precision (±)	14.0	pCi/L			SM 7110B	10/01/2014 1055	MB
Gross Beta	387	pCi/L		3	SM 7110B	10/01/2014 1055	MB
Gross Beta Precision (±)	6.8	pCi/L			SM 7110B	10/01/2014 1055	MB
Radium 226	534	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	3.2	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	14.3	pCi/L		1	Ga-Tech	10/03/2014 1938	MB
Radium 228 Precision (±)	1.7	pCi/L			Ga-Tech	10/03/2014 1938	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-016
ClientSample ID: BMP-027
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:25:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	409	mg/L		5	SM 2320B	09/12/2014 057	BT
Alkalinity, Bicarbonate as HCO3	499	mg/L		5	SM 2320B	09/12/2014 057	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 057	BT
Chloride	6	mg/L		1	EPA 300.0	09/12/2014 111	AB
Fluoride	ND	mg/L		0.1	SM 4500FC	09/12/2014 057	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1448	AMB
Sulfate	33	mg/L		1	EPA 300.0	09/12/2014 111	AB
Calcium	124	mg/L		1	EPA 200.7	09/11/2014 1919	DG
Magnesium	23	mg/L		1	EPA 200.7	09/11/2014 1919	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1919	DG
Sodium	25	mg/L		1	EPA 200.7	09/11/2014 1919	DG
Nitrogen, Ammonia (As N)	0.7	mg/L		0.1	EPA 350.1	09/16/2014 1126	AMB
Silica as SiO2	12	mg/L		1	EPA 200.7	09/11/2014 1919	DG
General Parameters							
pH	8.0	s.u.		0.1	SM 4500 H B	09/12/2014 057	BT
Electrical Conductivity	847	µmhos/cm		5	SM 2510B	09/12/2014 057	BT
Total Dissolved Solids (180)	510	mg/L		10	SM 2540	09/14/2014 1149	IR
Data Quality							
Cation Sum	9.38	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	9.03	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	1.92	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	480	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.06	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-016
ClientSample ID: BMP-027
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 11:25:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1919	DG
Arsenic	0.003	mg/L		0.001	EPA 200.8	09/11/2014 1356	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1356	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1919	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1919	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1356	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1919	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1356	MS
Iron	0.59	mg/L		0.05	EPA 200.7	09/11/2014 1919	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1356	MS
Manganese	0.44	mg/L		0.01	EPA 200.7	09/11/2014 1919	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1118	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1356	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1919	DG
Selenium	0.006	mg/L		0.001	EPA 200.8	09/11/2014 1356	MS
Uranium	3.95	mg/L		0.0003	EPA 200.8	09/11/2014 1356	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1356	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1919	DG
Metals - Total							
Iron	0.82	mg/L		0.05	EPA 200.7	09/12/2014 1921	DG
Manganese	0.48	mg/L		0.01	EPA 200.7	09/12/2014 1921	DG
Radionuclides - Dissolved							
Gross Alpha	2940	pCi/L		2	SM 7110B	10/01/2014 1055	MB
Gross Alpha Precision (±)	30.4	pCi/L			SM 7110B	10/01/2014 1055	MB
Gross Beta	957	pCi/L		3	SM 7110B	10/01/2014 1055	MB
Gross Beta Precision (±)	10.9	pCi/L			SM 7110B	10/01/2014 1055	MB
Radium 226	792	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	4.0	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	10.8	pCi/L		1	Ga-Tech	10/03/2014 2239	MB
Radium 228 Precision (±)	1.9	pCi/L			Ga-Tech	10/03/2014 2239	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-017
ClientSample ID: BMP-028
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 12:49:00 PM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	238	mg/L		5	SM 2320B	09/12/2014 110	BT
Alkalinity, Bicarbonate as HCO3	290	mg/L		5	SM 2320B	09/12/2014 110	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 110	BT
Chloride	6	mg/L		1	EPA 300.0	09/12/2014 225	AB
Fluoride	0.2	mg/L		0.1	SM 4500FC	09/12/2014 110	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1449	AMB
Sulfate	111	mg/L		1	EPA 300.0	09/12/2014 225	AB
Calcium	76	mg/L		1	EPA 200.7	09/11/2014 1921	DG
Magnesium	17	mg/L		1	EPA 200.7	09/11/2014 1921	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1921	DG
Sodium	57	mg/L		1	EPA 200.7	09/11/2014 1921	DG
Nitrogen, Ammonia (As N)	0.3	mg/L		0.1	EPA 350.1	09/16/2014 1127	AMB
Silica as SiO2	14	mg/L		1	EPA 200.7	09/11/2014 1921	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/12/2014 110	BT
Electrical Conductivity	732	µmhos/cm		5	SM 2510B	09/12/2014 110	BT
Total Dissolved Solids (180)	450	mg/L		10	SM 2540	09/14/2014 1150	IR
Data Quality							
Cation Sum	7.87	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	7.25	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	4.08	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	430	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-017
ClientSample ID: BMP-028
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 12:49:00 PM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1921	DG
Arsenic	0.010	mg/L		0.001	EPA 200.8	09/11/2014 1406	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1406	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1921	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1921	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1406	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1921	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1406	MS
Iron	1.76	mg/L		0.05	EPA 200.7	09/11/2014 1921	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1406	MS
Manganese	0.27	mg/L		0.01	EPA 200.7	09/11/2014 1921	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1120	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1406	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1921	DG
Selenium	0.012	mg/L		0.001	EPA 200.8	09/11/2014 1406	MS
Uranium	1.01	mg/L		0.0003	EPA 200.8	09/11/2014 1406	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1406	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1921	DG
Metals - Total							
Iron	2.36	mg/L		0.05	EPA 200.7	09/12/2014 1923	DG
Manganese	0.28	mg/L		0.01	EPA 200.7	09/12/2014 1923	DG
Radionuclides - Dissolved							
Gross Alpha	813	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	13.7	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	291	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	5.5	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	293	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	2.4	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	2.3	pCi/L		1	Ga-Tech	10/04/2014 140	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	10/04/2014 140	MB

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-018
ClientSample ID: BMP-029
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:01:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	356	mg/L		5	SM 2320B	09/12/2014 124	BT
Alkalinity, Bicarbonate as HCO3	435	mg/L		5	SM 2320B	09/12/2014 124	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 124	BT
Chloride	13	mg/L		1	EPA 300.0	09/12/2014 237	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/12/2014 124	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1450	AMB
Sulfate	60	mg/L		1	EPA 300.0	09/12/2014 237	AB
Calcium	97	mg/L		1	EPA 200.7	09/11/2014 1923	DG
Magnesium	20	mg/L		1	EPA 200.7	09/11/2014 1923	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1923	DG
Sodium	50	mg/L		1	EPA 200.7	09/11/2014 1923	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/23/2014 1422	AMB
Silica as SiO2	19	mg/L		1	EPA 200.7	09/11/2014 1923	DG
General Parameters							
pH	8.1	s.u.		0.1	SM 4500 H B	09/12/2014 124	BT
Electrical Conductivity	799	µmhos/cm		5	SM 2510B	09/12/2014 124	BT
Total Dissolved Solids (180)	480	mg/L		10	SM 2540	09/14/2014 1151	IR
Data Quality							
Cation Sum	8.81	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	8.72	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	0.46	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	480	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	10/13/2014 1141	WN

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-018
ClientSample ID: BMP-029
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 8:01:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1923	DG
Arsenic	0.017	mg/L		0.001	EPA 200.8	09/11/2014 1411	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1411	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1923	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1923	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1411	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1923	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1411	MS
Iron	1.63	mg/L		0.05	EPA 200.7	09/11/2014 1923	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1411	MS
Manganese	0.32	mg/L		0.01	EPA 200.7	09/11/2014 1923	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1122	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1411	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1923	DG
Selenium	0.036	mg/L		0.001	EPA 200.8	09/11/2014 1411	MS
Uranium	3.99	mg/L		0.0003	EPA 200.8	09/11/2014 1411	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1411	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1923	DG
Metals - Total							
Iron	1.79	mg/L		0.05	EPA 200.7	09/12/2014 1925	DG
Manganese	0.34	mg/L		0.01	EPA 200.7	09/12/2014 1925	DG
Radionuclides - Dissolved							
Gross Alpha	2660	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	26.9	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	731	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	8.8	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	298	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	2.4	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	1.7	pCi/L		1	Ga-Tech	10/04/2014 440	MB
Radium 228 Precision (±)	1.5	pCi/L			Ga-Tech	10/04/2014 440	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- B Analyte detected in the associated Method Blank
- C Calculated Value
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- L Analyzed by a contract laboratory
- M Value exceeds Monthly Ave or MCL or is less than LCL
- ND Not Detected at the Reporting Limit
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits
- X Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-019
ClientSample ID: BMP-030
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 7:24:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	314	mg/L		5	SM 2320B	09/12/2014 136	BT
Alkalinity, Bicarbonate as HCO3	384	mg/L		5	SM 2320B	09/12/2014 136	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 136	BT
Chloride	10	mg/L		1	EPA 300.0	09/12/2014 249	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/12/2014 136	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1451	AMB
Sulfate	47	mg/L		1	EPA 300.0	09/12/2014 249	AB
Calcium	89	mg/L		1	EPA 200.7	09/11/2014 1928	DG
Magnesium	18	mg/L		1	EPA 200.7	09/11/2014 1928	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1928	DG
Sodium	44	mg/L		1	EPA 200.7	09/11/2014 1928	DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	09/23/2014 1423	AMB
Silica as SiO2	16	mg/L		1	EPA 200.7	09/11/2014 1928	DG
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	09/12/2014 136	BT
Electrical Conductivity	725	µmhos/cm		5	SM 2510B	09/12/2014 136	BT
Total Dissolved Solids (180)	440	mg/L		10	SM 2540	09/14/2014 1152	IR
Data Quality							
Cation Sum	7.99	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	7.55	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.86	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	420	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.05	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-019
ClientSample ID: BMP-030
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 7:24:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1928	DG
Arsenic	0.008	mg/L		0.001	EPA 200.8	09/11/2014 1416	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1416	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1928	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1928	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1416	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1928	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1416	MS
Iron	4.58	mg/L		0.05	EPA 200.7	09/11/2014 1928	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1416	MS
Manganese	0.28	mg/L		0.01	EPA 200.7	09/11/2014 1928	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1124	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1416	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1928	DG
Selenium	0.059	mg/L		0.001	EPA 200.8	09/11/2014 1416	MS
Uranium	2.59	mg/L		0.0003	EPA 200.8	09/11/2014 1416	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1416	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1928	DG
Metals - Total							
Iron	7.49	mg/L		0.05	EPA 200.7	09/12/2014 1934	DG
Manganese	0.29	mg/L		0.01	EPA 200.7	09/12/2014 1934	DG
Radionuclides - Dissolved							
Gross Alpha	2330	pCi/L		2	SM 7110B	10/01/2014 1659	MB
Gross Alpha Precision (±)	23.9	pCi/L			SM 7110B	10/01/2014 1659	MB
Gross Beta	545	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	7.6	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	694	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	3.7	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	1.4	pCi/L		1	Ga-Tech	10/04/2014 741	MB
Radium 228 Precision (±)	2.0	pCi/L			Ga-Tech	10/04/2014 741	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank
C	Calculated Value
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
S	Spike Recovery outside accepted recovery limits
X	Matrix Effect

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Inter-Mountain Labs
1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-020
ClientSample ID: BMP-031
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 7:30:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	297	mg/L		5	SM 2320B	09/12/2014 148	BT
Alkalinity, Bicarbonate as HCO3	363	mg/L		5	SM 2320B	09/12/2014 148	BT
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	09/12/2014 148	BT
Chloride	26	mg/L		1	EPA 300.0	09/12/2014 302	AB
Fluoride	0.1	mg/L		0.1	SM 4500FC	09/12/2014 148	BT
Nitrogen, Nitrate+Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	09/15/2014 1452	AMB
Sulfate	89	mg/L		1	EPA 300.0	09/12/2014 302	AB
Calcium	91	mg/L		1	EPA 200.7	09/11/2014 1941	DG
Magnesium	20	mg/L		1	EPA 200.7	09/11/2014 1941	DG
Potassium	7	mg/L		1	EPA 200.7	09/11/2014 1941	DG
Sodium	61	mg/L		1	EPA 200.7	09/11/2014 1941	DG
Nitrogen, Ammonia (As N)	0.2	mg/L		0.1	EPA 350.1	09/23/2014 1424	AMB
Silica as SiO2	11	mg/L		1	EPA 200.7	09/11/2014 1941	DG
General Parameters							
pH	8.2	s.u.		0.1	SM 4500 H B	09/12/2014 148	BT
Electrical Conductivity	758	µmhos/cm		5	SM 2510B	09/12/2014 148	BT
Total Dissolved Solids (180)	510	mg/L		10	SM 2540	09/14/2014 1153	IR
Data Quality							
Cation Sum	9.04	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Anion Sum	8.54	meq/L		0.01	SM 1030E	09/24/2014 744	JJ
Cation-Anion Balance (± 5%)	2.87	%		0.01	SM 1030E	09/24/2014 744	JJ
Solids, Total Dissolved (Calc)	480	mg/L		10	SM 1030E	09/24/2014 744	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.06	dec. %		0.01	Calculation	10/13/2014 1141	WN

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 a contract laboratory
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

Sample Analysis Report

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

Date Reported 10/23/2014
Report ID S1409199001

ProjectName: S.R.H.B-Field -Resto GL8
Lab ID: S1409199-020
ClientSample ID: BMP-031
COC: 155545

WorkOrder: S1409199
CollectionDate: 9/8/2014 7:30:00 AM
DateReceived: 9/10/2014 11:37:00 AM
FieldSampler: GF/KA
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	09/11/2014 1941	DG
Arsenic	0.007	mg/L		0.001	EPA 200.8	09/11/2014 1433	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1433	MS
Beryllium	ND	mg/L		0.001	EPA 200.7	09/11/2014 1941	DG
Boron	ND	mg/L		0.1	EPA 200.7	09/11/2014 1941	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	09/11/2014 1433	MS
Chromium	ND	mg/L		0.01	EPA 200.7	09/11/2014 1941	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/11/2014 1433	MS
Iron	1.62	mg/L		0.05	EPA 200.7	09/11/2014 1941	DG
Lead	ND	mg/L		0.01	EPA 200.8	09/11/2014 1433	MS
Manganese	0.23	mg/L		0.01	EPA 200.7	09/11/2014 1941	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/16/2014 1126	BJ
Molybdenum	ND	mg/L		0.01	EPA 200.8	09/11/2014 1433	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/11/2014 1941	DG
Selenium	0.005	mg/L		0.001	EPA 200.8	09/11/2014 1433	MS
Uranium	1.97	mg/L		0.0003	EPA 200.8	09/11/2014 1433	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	09/11/2014 1433	MS
Zinc	ND	mg/L		0.01	EPA 200.7	09/11/2014 1941	DG
Metals - Total							
Iron	2.52	mg/L		0.05	EPA 200.7	09/12/2014 1936	DG
Manganese	0.24	mg/L		0.01	EPA 200.7	09/12/2014 1936	DG
Radionuclides - Dissolved							
Gross Alpha	1220	pCi/L		2	SM 7110B	10/20/2014 2127	MB
Gross Alpha Precision (±)	43.7	pCi/L			SM 7110B	10/20/2014 2127	MB
Gross Beta	405	pCi/L		3	SM 7110B	10/01/2014 1659	MB
Gross Beta Precision (±)	6.6	pCi/L			SM 7110B	10/01/2014 1659	MB
Radium 226	314	pCi/L		0.2	SM 7500 Ra-B	09/26/2014 1111	MB
Radium 226 Precision (±)	2.5	pCi/L			SM 7500 Ra-B	09/26/2014 1111	MB
Radium 228	ND	pCi/L		1	Ga-Tech	10/04/2014 1042	MB
Radium 228 Precision (±)	NA	pCi/L			Ga-Tech	10/04/2014 1042	MB

These results apply only to the samples tested. **RL - Reporting Limit**

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calculated Value
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
X	Matrix Effect		

Reviewed by: _____
Wade Nieuwsma, Assistant Laboratory Manager

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Alkalinity Sample Type **MBLK** Units: mg/L

BLANK (09/11/14 11:22) RunNo: 112517

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	ND	5					

Alkalinity Sample Type **LCS** Units: mg/L

ATQC (09/11/14 11:13) RunNo: 112517

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Alkalinity, Total (As CaCO3)	582	5	595		97.8	90 - 110	

Alkalinity Sample Type **DUP** Units: mg/L

S1409199-001AD (09/11/14 21:19) RunNo: 112517

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	277	5	273	1.39		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	232	5	224	3.57		20	

S1409199-011AD (09/11/14 23:54) RunNo: 112517

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Alkalinity, Bicarbonate as HCO3	439	5	438	0.204		20	
Alkalinity, Carbonate as CO3	ND	5	ND			20	
Alkalinity, Total (As CaCO3)	360	5	359	0.204		20	

Conductivity Sample Type **MBLK** Units: µmhos/cm

BLANK (09/11/14 11:22) RunNo: 112517

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	ND	5					

Conductivity Sample Type **LCS** Units: µmhos/cm

ATQC (09/11/14 11:13) RunNo: 112517

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Electrical Conductivity	1030	5	1060		97.2	90 - 110	

Conductivity Sample Type **DUP** Units: µmhos/cm

S1409199-001AD (09/11/14 21:19) RunNo: 112517

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	540	5	622	13.2		20	

S1409199-011AD (09/11/14 23:54) RunNo: 112517

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Electrical Conductivity	790	5	780	1.28		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Dissolved Mercury by EPA 245.1 - Water Sample Type **MBLK** Units: mg/L

LRB (09/16/14 11:36)	RunNo: 112673						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	ND	0.001					

Dissolved Mercury by EPA 245.1 - Water Sample Type **LCS** Units: mg/L

LCS (09/16/14 13:30)	RunNo: 112673						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.002		107	85 - 115	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MS** Units: mg/L

S1409199-004D (09/16/14 10:43)	RunNo: 112673						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	99.6	70 - 130	

S1409199-012D (09/16/14 11:08)	RunNo: 112673						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Mercury	0.002	0.001	0.00197	ND	98.8	70 - 130	

Dissolved Mercury by EPA 245.1 - Water Sample Type **MSD** Units: mg/L

S1409199-004D (09/16/14 10:45)	RunNo: 112673						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	2.22	97.4	20	

S1409199-012D (09/16/14 11:10)	RunNo: 112673						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Mercury	0.002	0.001	0.002	0.698	98.2	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/11/14 12:39)	RunNo: 112502						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	ND	0.1					
Beryllium	ND	0.01					
Boron	ND	0.1					
Chromium	ND	0.01					
Iron	ND	0.05					
Manganese	ND	0.02					
Nickel	ND	0.01					
Zinc	ND	0.01					

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **LCS** Units: mg/L

DISS LCS Q (09/11/14 12:41)	RunNo: 112502						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	1.0	0.1	1		98.1	85 - 115	
Beryllium	1.04	0.01	1		104	85 - 115	
Boron	1.0	0.1	1		97.3	85 - 115	
Chromium	1.05	0.01	1		105	85 - 115	
Iron	1.02	0.05	1		102	85 - 115	
Manganese	1.05	0.02	1		105	85 - 115	
Nickel	1.05	0.01	1		105	85 - 115	
Zinc	1.03	0.01	1		103	85 - 115	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MS** Units: mg/L

S1409199-005DS (09/11/14 18:31)	RunNo: 112502						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	108	70 - 130	
Beryllium	0.308	0.001	0.25	ND	123	70 - 130	
Boron	0.3	0.1	0.25	ND	108	70 - 130	
Chromium	0.29	0.01	0.25	ND	115	70 - 130	
Iron	3.52	0.05	0.25	3.46	21.8	70 - 130	S
Manganese	0.63	0.01	0.25	0.38	101	70 - 130	
Nickel	0.29	0.05	0.25	ND	113	70 - 130	
Zinc	0.30	0.01	0.25	ND	120	70 - 130	

S1409199-012DS (09/11/14 19:00)	RunNo: 112502						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	105	70 - 130	
Beryllium	0.302	0.001	0.25	ND	121	70 - 130	
Boron	0.3	0.1	0.25	ND	103	70 - 130	
Chromium	0.28	0.01	0.25	ND	113	70 - 130	
Iron	8.31	0.05	0.25	8.64	-129	70 - 130	S
Manganese	0.92	0.01	0.25	0.70	88.9	70 - 130	
Nickel	0.28	0.05	0.25	ND	110	70 - 130	
Zinc	0.30	0.01	0.25	ND	118	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MS** Units: mg/L

S1409199-019DS (09/11/14 19:30)	RunNo: 112502						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Aluminum	0.3	0.1	0.25	ND	96.3	70 - 130	
Beryllium	0.280	0.001	0.25	ND	112	70 - 130	
Boron	0.3	0.1	0.25	ND	97.0	70 - 130	
Chromium	0.26	0.01	0.25	ND	102	70 - 130	
Iron	4.59	0.05	0.25	4.58	2.14	70 - 130	S
Manganese	0.51	0.01	0.25	0.28	93.3	70 - 130	
Nickel	0.26	0.05	0.25	ND	102	70 - 130	
Zinc	0.27	0.01	0.25	ND	110	70 - 130	

Dissolved Metals by ICP - EPA 200.7 - Water Sample Type **MSD** Units: mg/L

S1409199-005DSD (09/11/14 18:33)	RunNo: 112502						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	6.18	101	20	
Beryllium	0.291	0.001	0.308	5.65	116	20	
Boron	0.3	0.1	0.3	4.27	102	20	
Chromium	0.27	0.01	0.29	6.76	107	20	
Iron	3.52	0.05	3.52	0.00341	21.8	20	S
Manganese	0.62	0.01	0.63	2.63	94.7	20	
Nickel	0.27	0.05	0.29	5.95	106	20	
Zinc	0.28	0.01	0.30	7.11	111	20	

S1409199-012DSD (09/11/14 19:03)	RunNo: 112502						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	0.616	106	20	
Beryllium	0.309	0.001	0.302	2.55	124	20	
Boron	0.3	0.1	0.3	2.97	107	20	
Chromium	0.29	0.01	0.28	0.868	114	20	
Iron	8.28	0.05	8.31	0.387	-142	20	S
Manganese	0.92	0.01	0.92	0.125	88.5	20	
Nickel	0.29	0.05	0.28	1.07	111	20	
Zinc	0.30	0.01	0.30	1.14	120	20	

S1409199-019DSD (09/11/14 19:32)	RunNo: 112502						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Aluminum	0.3	0.1	0.3	16.1	113	20	
Beryllium	0.320	0.001	0.280	14.3	128	20	
Boron	0.3	0.1	0.3	13.8	113	20	
Chromium	0.30	0.01	0.26	15.7	118	20	
Iron	4.61	0.05	4.59	0.464	10.7	20	S
Manganese	0.55	0.01	0.51	7.52	109	20	
Nickel	0.30	0.05	0.26	14.0	116	20	
Zinc	0.32	0.01	0.27	15.8	127	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MBLK** Units: mg/L

MBLK (09/11/14 11:22)	RunNo: 112516						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	ND	0.005					
Barium	ND	0.1					
Cadmium	ND	0.001					
Copper	ND	0.01					
Lead	ND	0.02					
Molybdenum	ND	0.02					
Selenium	ND	0.001					
Uranium	ND	0.0003					
Vanadium	ND	0.02					

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **LCS** Units: mg/L

LCS (09/11/14 11:17)	RunNo: 112516						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	0.102	0.005	0.1		102	85 - 115	
Barium	ND	0.1	0.1		96.7	85 - 115	
Cadmium	0.104	0.001	0.1		104	85 - 115	
Copper	0.10	0.01	0.1		99.8	85 - 115	
Lead	0.10	0.02	0.1		102	85 - 115	
Molybdenum	0.10	0.02	0.1		97.3	85 - 115	
Selenium	0.100	0.001	0.1		100	85 - 115	
Uranium	0.103	0.0003	0.1		103	85 - 115	
Vanadium	0.10	0.02	0.1		101	85 - 115	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type **MS** Units: mg/L

S1409199-001DS (09/11/14 11:54)	RunNo: 112516						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.12	0.001	1.1	0.001	102	70 - 130	
Barium	1.1	0.1	1.1	ND	98.5	70 - 130	
Cadmium	1.08	0.001	1.1	ND	98.2	70 - 130	
Copper	1.10	0.01	1.1	ND	100	70 - 130	
Lead	1.15	0.01	1.1	ND	104	70 - 130	
Molybdenum	1.09	0.01	1.1	ND	98.7	70 - 130	
Selenium	1.16	0.001	1.1	0.041	102	70 - 130	
Uranium	2.34	0.0003	1.1	1.25	99.7	70 - 130	
Vanadium	1.1	0.1	1.1	ND	103	70 - 130	

S1409199-011DS (09/11/14 13:25)	RunNo: 112516						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Arsenic	1.30	0.001	1.1	0.190	101	70 - 130	
Barium	1.2	0.1	1.1	0.1	97.9	70 - 130	
Cadmium	1.13	0.001	1.1	ND	103	70 - 130	
Copper	1.08	0.01	1.1	ND	98.4	70 - 130	
Lead	1.15	0.01	1.1	ND	105	70 - 130	
Molybdenum	1.08	0.01	1.1	ND	97.7	70 - 130	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type MS Units: mg/L

S1409199-011DS (09/11/14 13:25) RunNo: 112516

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Selenium	1.14	0.001	1.1	ND	104	70 - 130	
Uranium	1.88	0.0003	1.1	0.750	103	70 - 130	
Vanadium	1.2	0.1	1.1	ND	107	70 - 130	

Dissolved Metals by ICPMS EPA 200.8 - Water Sample Type MSD Units: mg/L

S1409199-001DMSD (09/11/14 11:59) RunNo: 112516

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.11	0.001	1.12	0.677	101	20	
Barium	1.1	0.1	1.1	0.921	97.6	20	
Cadmium	1.13	0.001	1.08	4.18	102	20	
Copper	1.08	0.01	1.10	2.05	98.3	20	
Lead	1.11	0.01	1.15	2.92	101	20	
Molybdenum	1.07	0.01	1.09	1.30	97.4	20	
Selenium	1.15	0.001	1.16	0.904	101	20	
Uranium	2.31	0.0003	2.34	1.52	96.5	20	
Vanadium	1.1	0.1	1.1	1.73	101	20	

S1409199-011DMSD (09/11/14 13:29) RunNo: 112516

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Arsenic	1.29	0.001	1.30	0.548	100	20	
Barium	1.2	0.1	1.2	0.198	98.1	20	
Cadmium	1.07	0.001	1.13	5.16	97.5	20	
Copper	1.05	0.01	1.08	2.61	95.8	20	
Lead	1.12	0.01	1.15	3.12	102	20	
Molybdenum	1.04	0.01	1.08	3.00	94.8	20	
Selenium	1.09	0.001	1.14	4.06	99.3	20	
Uranium	1.84	0.0003	1.88	2.02	99.3	20	
Vanadium	1.1	0.1	1.2	5.48	102	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Fluoride by SM 4500 Sample Type **MBLK** Units: mg/L

BLANK (09/11/14 11:22)	RunNo: 112517						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	ND	0.1					

Fluoride by SM 4500 Sample Type **LCS** Units: mg/L

ATQC (09/11/14 11:13)	RunNo: 112517						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.9	0.1	3		97.0	85 - 115	

Fluoride by SM 4500 Sample Type **MS** Units: mg/L

S1409199-010ASPK MS (09/11/14 23:22)	RunNo: 112517						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.5	0.1	2.5	0.1	95.6	80 - 120	

S1409199-020ASPK MS (09/12/14 02:03)	RunNo: 112517						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Fluoride	2.5	0.1	2.5	0.1	96.5	80 - 120	

Fluoride by SM 4500 Sample Type **MSD** Units: mg/L

S1409199-010ASPK MSD (09/11/14 23:27)	RunNo: 112517						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.6	0.1	2.5	4.90	101	20	

S1409199-020ASPK MSD (09/12/14 02:06)	RunNo: 112517						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Fluoride	2.6	0.1	2.5	1.46	98.0	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Gross Alpha, Beta by SM 7110B Sample Type **MBLK** Units: pCi/L

MB-268 (09/30/14 15:27)	RunNo: 113568	PrepDate: 09/25/14 0:00			BatchID R113568		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

MB-269 (10/01/14 10:55)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

MB-274 (10/20/14 15:12)	RunNo: 114111	PrepDate: 10/16/14 0:00			BatchID R114111		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	ND	2					
Gross Beta (Dissolved)	ND	3					

Gross Alpha, Beta by SM 7110B Sample Type **LCS** Units: pCi/L

LCS-268 (09/30/14 15:27)	RunNo: 113568	PrepDate: 09/25/14 0:00			BatchID R113568		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	65	2	71.2		91.7	50 - 150	
Gross Beta (Dissolved)	129	3	120		107	79.4 - 124	

LCS-269 (10/01/14 10:55)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	74	2	71.2		104	50 - 150	
Gross Beta (Dissolved)	132	3	120		110	79.4 - 124	

LCS-274 (10/20/14 15:12)	RunNo: 114111	PrepDate: 10/16/14 0:00			BatchID R114111		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	78	2	71.2		109	50 - 150	
Gross Beta (Dissolved)	131	3	118		111	79.4 - 124	

Gross Alpha, Beta by SM 7110B Sample Type **MS** Units: pCi/L

S1409199-001F MS (09/30/14 15:27)	RunNo: 113568	PrepDate: 09/25/14 0:00			BatchID R113568		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	620	2	71.2	516	147	50 - 150	
Gross Beta (Dissolved)	375	3	120	245	108	61.1 - 140	

S1409199-002F MS (10/20/14 15:12)	RunNo: 114111	PrepDate: 10/16/14 0:00			BatchID R114111		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Gross Alpha (Dissolved)	2830	2	712	2080	106	50 - 150	
Gross Beta (Dissolved)	2510	3	1180	1260	106	61.1 - 140	

Gross Alpha, Beta by SM 7110B Sample Type **DUP** Units: pCi/L

S1409199-002F DUP (09/30/14 21:35)	RunNo: 113568					
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	1510	2	1870	18.9		20	
Gross Beta (Dissolved)	669	3	697	4.00		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Gross Alpha, Beta by SM 7110B Sample Type DUP Units: pCi/L

S1409199-015F DUP (10/01/14 10:55)	RunNo: 113584	PrepDate: 09/26/14 0:00			BatchID R113584		
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	904	2	801	12.9		20	
Gross Beta (Dissolved)	396	3	387	2.38		20	

S1409199-002FDUP (10/13/14 16:23)	RunNo: 113824						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Gross Alpha (Dissolved)	1810	2	1580	14.5		20	
Gross Beta (Dissolved)	1070	3	992	8.09		20	

Anions by ION Chromatography Sample Type MBLK Units: mg/L

BLK (09/11/14 09:20)	RunNo: 112503						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	ND	1					
Sulfate	ND	1					

Anions by ION Chromatography Sample Type LCS Units: mg/L

DIONEX (09/11/14 09:33)	RunNo: 112503						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	30	1	30		99.7	90 - 110	
Sulfate	145	1	150		96.6	90 - 110	

Anions by ION Chromatography Sample Type MS Units: mg/L

S1409199-006ASPK (09/11/14 22:18)	RunNo: 112503						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	65	1	54.5	7	106	80 - 120	
Sulfate	486	1	409	51	106	80 - 120	

S1409199-016ASPK (09/12/14 01:35)	RunNo: 112503						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	62	1	54.5	6	104	80 - 120	
Sulfate	459	1	409	33	104	80 - 120	

S1409199-020ASPK (09/12/14 03:26)	RunNo: 112503						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Chloride	85	1	54.5	26	109	80 - 120	
Sulfate	526	1	409	89	107	80 - 120	

Anions by ION Chromatography Sample Type MSD Units: mg/L

S1409199-006ASPK (09/11/14 22:30)	RunNo: 112503						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	65	1	65	0.430	106	20	
Sulfate	489	1	486	0.519	107	20	

S1409199-016ASPK (09/12/14 01:48)	RunNo: 112503						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	63	1	62	1.24	106	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Anions by ION Chromatography Sample Type **MSD** Units: mg/L

S1409199-016ASPK (09/12/14 01:48)	RunNo: 112503						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Sulfate	465	1	459	1.36	106	20	

S1409199-020ASPK (09/12/14 03:39)	RunNo: 112503						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Chloride	86	1	85	0.414	109	20	
Sulfate	527	1	526	0.278	107	20	

Cations by ICP (Method 200.7) Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/11/14 12:39)	RunNo: 112498						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	ND	1					
Magnesium	ND	1					
Potassium	ND	1					
Sodium	ND	1					

Cations by ICP (Method 200.7) Sample Type **LCS** Units: mg/L

CAT LCS IML3 (09/11/14 12:43)	RunNo: 112498						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	42	1	40		104	85 - 115	
Magnesium	39	1	40		98.5	85 - 115	
Potassium	39	1	40		96.2	85 - 115	
Sodium	41	1	40		102	85 - 115	

Cations by ICP (Method 200.7) Sample Type **MS** Units: mg/L

S1409199-005AS (09/11/14 18:31)	RunNo: 112498						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	118	1	25	94	98.7	70 - 130	
Magnesium	45	1	25	17	111	70 - 130	
Potassium	37	1	25	6	126	70 - 130	
Sodium	74	1	25	48	103	70 - 130	

S1409199-012AS (09/11/14 19:00)	RunNo: 112498						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Calcium	126	1	25	105	83.4	70 - 130	
Magnesium	47	1	25	21	107	70 - 130	
Potassium	37	1	25	6	123	70 - 130	
Sodium	63	1	25	37	106	70 - 130	

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1409199-005ASD (09/11/14 18:33)	RunNo: 112498						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	117	1	118	1.07	93.6	20	
Magnesium	43	1	45	3.87	105	20	
Potassium	35	1	37	5.35	118	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Cations by ICP (Method 200.7) Sample Type **MSD** Units: mg/L

S1409199-005ASD (09/11/14 18:33)	RunNo: 112498						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Sodium	72	1	74	1.40	99.3	20	

S1409199-012ASD (09/11/14 19:03)	RunNo: 112498						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Calcium	126	1	126	0.147	82.7	20	
Magnesium	48	1	47	0.644	108	20	
Potassium	38	1	37	2.54	127	20	
Sodium	63	1	63	0.00426	106	20	

Nitrogen, Ammonia (as N) Sample Type **MBLK** Units: mg/L

BASELINE (09/23/14 14:17)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	ND	0.1					

Nitrogen, Ammonia (as N) Sample Type **LCS** Units: mg/L

QC (09/23/14 14:18)	RunNo: 112993						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	4.4	0.1	4.76		93.4	89 - 111	

Nitrogen, Ammonia (as N) Sample Type **MS** Units: mg/L

S1409199-007C (09/16/14 11:13)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	10.3	0.1	10	0.4	98.5	90 - 110	

S1409199-017C (09/16/14 11:29)	RunNo: 112637						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Ammonia (As N)	9.5	0.1	10	0.3	91.8	90 - 110	

Nitrogen, Ammonia (as N) Sample Type **MSD** Units: mg/L

S1409199-007C (09/16/14 11:14)	RunNo: 112637						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.4	0.1	10.3	1.60	100	20	

S1409199-017C (09/16/14 11:30)	RunNo: 112637						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Ammonia (As N)	10.1	0.1	9.5	6.39	97.9	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MBLK** Units: mg/L

BLANK (09/15/14 12:07)	RunNo: 112598						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

Nitrogen, Nitrate-Nitrite (as N) Sample Type **LCS** Units: mg/L

QC (09/15/14 12:10)	RunNo: 112598						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	3.8	0.1	3.97		96.0	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MS** Units: mg/L

S1409199-002C (09/15/14 14:20)	RunNo: 112598						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.2	0.1	5	ND	104	90 - 110	
S1409199-012C (09/15/14 14:38)	RunNo: 112598						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.0	0.1	5	ND	99.8	90 - 110	
S1409199-020C (09/15/14 14:55)	RunNo: 112598						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.3	0.1	5	ND	106	90 - 110	

Nitrogen, Nitrate-Nitrite (as N) Sample Type **MSD** Units: mg/L

S1409199-002C (09/15/14 14:21)	RunNo: 112598						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.3	0.1	5.2	0.997	105	20	
S1409199-012C (09/15/14 14:39)	RunNo: 112598						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.1	0.1	5.0	2.56	102	20	
S1409199-020C (09/15/14 14:56)	RunNo: 112598						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Nitrogen, Nitrate-Nitrite (as N)	5.5	0.1	5.3	3.28	109	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Radium 228 by Ga/Tech Sample Type **MBLK** Units: pCi/L

MB-8959 (09/25/14 09:40)	RunNo: 113318	PrepDate: 09/22/14 10:00				BatchID 8959	
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

MB-9024 (10/02/14 10:29)	RunNo: 113722	PrepDate: 09/29/14 10:00				BatchID 9024	
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	ND	1					

Radium 228 by Ga/Tech Sample Type **LCS** Units: pCi/L

LCS-8959 (09/25/14 12:41)	RunNo: 113318	PrepDate: 09/22/14 10:00				BatchID 8959	
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	39	1	41.1		93.7	59.9 - 99.4	

LCS-9024 (10/02/14 13:30)	RunNo: 113722	PrepDate: 09/29/14 10:00				BatchID 9024	
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	35	1	40.1		86.1	59.9 - 99.4	

Radium 228 by Ga/Tech Sample Type **LCSD** Units: pCi/L

LCSD-8959 (09/25/14 15:42)	RunNo: 113318	PrepDate: 09/22/14 10:00				BatchID 8959	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	37	1	39	4.93	89.1	20	

LCSD-9024 (10/02/14 16:30)	RunNo: 113722	PrepDate: 09/29/14 10:00				BatchID 9024	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	35	4.50	82.3	20	

Radium 228 by Ga/Tech Sample Type **MS** Units: pCi/L

TAPMS-8959 (09/25/14 21:44)	RunNo: 113318	PrepDate: 09/22/14 10:00				BatchID 8959	
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	37	1	41.1	ND	90.7	50.8 - 113	

TAPMS-9024 (10/02/14 22:32)	RunNo: 113722	PrepDate: 09/29/14 10:00				BatchID 9024	
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 228 (Dissolved)	33	1	40.1	ND	81.0	50.8 - 113	

Radium 228 by Ga/Tech Sample Type **MSD** Units: pCi/L

TAPMSD-8959 (09/26/14 00:45)	RunNo: 113318	PrepDate: 09/22/14 10:00				BatchID 8959	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	31	1	ND		74.3		

TAPMSD-9024 (10/03/14 01:33)	RunNo: 113722	PrepDate: 09/29/14 10:00				BatchID 9024	
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 228 (Dissolved)	33	1	ND		82.6		

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Radium 226 in Water - Dissolved Sample Type **MBLK** Units: pCi/L

MB-1343 (09/26/14 09:03)	RunNo: 113332	PrepDate: 09/22/14 0:00			BatchID 8963		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

MB-1343 (09/26/14 09:03)	RunNo: 113383	PrepDate: 09/22/14 0:00			BatchID 8963		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	ND	0.2					

Radium 226 in Water - Dissolved Sample Type **LCS** Units: pCi/L

LCS-1343 (09/26/14 09:03)	RunNo: 113332	PrepDate: 09/22/14 0:00			BatchID 8963		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.2	0.2	5		83.7	71 - 120	

Radium 226 in Water - Dissolved Sample Type **MS** Units: pCi/L

TAPMS-1343 (09/26/14 09:03)	RunNo: 113332	PrepDate: 09/22/14 0:00			BatchID 8963		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Radium 226 (Dissolved)	4.6	0.2	5	0.9	75.0	74.5 - 120	

Radium 226 in Water - Dissolved Sample Type **MSD** Units: pCi/L

TAPMSD-1343 (09/26/14 09:03)	RunNo: 113332	PrepDate: 09/22/14 0:00			BatchID 8963		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Radium 226 (Dissolved)	4.2	0.2	4.6	9.67	66.1	20	S

Silica as SiO2 Sample Type **MBLK** Units: mg/L

MBLK DISS/CAT (09/11/14 12:39)	RunNo: 112504						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	ND	0.1					

Silica as SiO2 Sample Type **LCS** Units: mg/L

DISS LCS Q (09/11/14 12:41)	RunNo: 112504						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Silica as SiO2	2.2	0.1	2.14		103	85 - 115	

Silica as SiO2 Sample Type **DUP** Units: mg/L

S1409199-004DD (09/11/14 18:26)	RunNo: 112504						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	14	1	14	0.136		20	

S1409199-011DD (09/11/14 18:56)	RunNo: 112504						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	20	1	20	0.696		20	

S1409199-018DD (09/11/14 19:25)	RunNo: 112504						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Silica as SiO2	19	1	19	2.31		20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Solids By SM 2540 Sample Type **MBLK** Units: mg/L

DI (09/14/14 11:32) RunNo: 112848

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	ND	10					

Solids By SM 2540 Sample Type **LCS** Units: mg/L

CONTROL (09/10/14 17:33) RunNo: 112761

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Dissolved Solids (180)	210	10	226		92.9	90 - 110	

Solids By SM 2540 Sample Type **DUP** Units: mg/L

S1409199-011A (09/14/14 11:44) RunNo: 112848

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	450	10	460	2.17		20	

S1409199-020A (09/14/14 11:54) RunNo: 112848

Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
Total Dissolved Solids (180)	510	10	510	0.791		20	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MBLK** Units: mg/L

MB-8846 (09/12/14 18:15) RunNo: 112552 PrepDate: 09/11/14 11:45 BatchID 8846

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	ND	0.05					
Manganese	ND	0.02					

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **LCS** Units: mg/L

LCS-8846 (09/12/14 16:52) RunNo: 112552 PrepDate: 09/11/14 11:45 BatchID 8846

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	0.51	0.05	0.5		102	85 - 115	
Manganese	0.20	0.02	0.2		99.4	85 - 115	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MS** Units: mg/L

S1409199-007ES (09/12/14 18:38) RunNo: 112552 PrepDate: 09/11/14 11:45 BatchID 8846

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	3.12	0.05	0.5	2.58	108	70 - 130	
Manganese	0.42	0.01	0.2	0.22	102	70 - 130	

S1409199-015ES (09/12/14 19:16) RunNo: 112552 PrepDate: 09/12/14 7:00 BatchID 8848

Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Iron	22.7	0.05	0.5	22.3	81.3	70 - 130	
Manganese	1.29	0.01	0.2	1.10	96.2	70 - 130	

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MSD** Units: mg/L

S1409199-007EMSD (09/12/14 18:40) RunNo: 112552 PrepDate: 09/11/14 11:45 BatchID 8846

Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	3.11	0.05	3.12	0.426	105	20	
Manganese	0.42	0.01	0.42	0.00620	102	20	

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Power Resources (Cameco)
Work Order: S1409199
Project: S.R.H.B-Field -Resto GL8

Date: 10/23/2014
Report ID: S1409199001

Total (200.2) Metals by EPA 200.7 ICP - Water Sample Type **MSD** Units: mg/L

S1409199-015EMSD (09/12/14 19:18)	RunNo: 112552	PrepDate: 09/12/14 7:00			BatchID 8848		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
Iron	22.7	0.05	22.7	0.171	73.6	20	
Manganese	1.30	0.01	1.29	0.253	97.8	20	

pH Water Sample Type **LCS** Units: s.u.

ATQC (09/11/14 11:13)	RunNo: 112517						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	8.7	0.1	8.74		99.7	90 - 110	

pH Water Sample Type **DUP** Units: s.u.

S1409199-001AD (09/11/14 21:19)	RunNo: 112517						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	8.3	0.1	8.3	0.371		20	
S1409199-011AD (09/11/14 23:54)	RunNo: 112517						
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
pH	7.7	0.1	7.9	2.31		20	

Qualifiers:

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