

Inter-Mountain Labs

Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

Page

of 1

All shaded fields must be completed.

This is a legal document; any misrepresentation may be construed as fraud.

#WEB

Clie	lent Name ameco Resources, Crow Butte			Project Identification	Project Identification S		ignatur	re/Attes	tation of Authen	ticity)	Telephone #
		ow Butte		Marsland Garden Soil Samples							308-665-2215x117
Rep	ort Address			Contact Name				ANA	LYSES / P.	ARAMETERS	
PO	Box 169			Walt Nelson							
Cra	awford, Ne 69339			Email Walter_Nelson@cameco.c	om						
Invo	ice Address			Phone 308-665-2215x117				0			
				Purchase Order #	Quote #		, Pb	Po210			
Sa	AND RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IN COLUM						Ra226,), P			REMARKS
ITEM	LAB ID	DATE	TIME	SAMPLE		# of	Ra	Th230,			
E	(Lab Use Only)	SAMPL	ED	IDENTIFICATION	Matrix	Containers	Ü,	투			
1	51311293-001	08/01/13	-	Furman	SL	1	х	х			Detection limits per Reg.
2	-002	08/01/13		Metz	SL	1	х	х			Guide 4.14 standards for
3	-003	08/07/13		Walters	SL	1	х	х			preoperational soil
4	-004	08/02/13		Troester 1	SL	1	х	х			sampling.
5	-005 08/01/13		Richardson	SL	1	х	х			Po210 per J. Schmuck/	
6	-006 08/02/13		Troester 2	SL	1	х	х			W. Niewsma	
7	F00-			Tollman	SL	1	х	х			arrangment
8											
9											ATTN: Wade Niewsma
10											
11											
12											
13											
14											
	LAB COMMENTS		Reli	nquished By (Signature/Printed)	DATE	TIME		Re	eceived By (Sign	nature/Printed)	DATE TIME
		Walter	nato	- Walter D. Melson	14/14/13	(0:00		12	05 1		
	avil						\sim	ai	1 11.		11-19-13 13:51
	18.0°C								1		11113113.01
	SHIPPING INFO	MATRIX C	ODES	TURN AROUND TIMES	COI	MPLIANC	E INF	ORMA	TION	ADDIT	TIONAL REMARKS
	UPS	Water	WT	Check desired service		ce Monitor	-	-	Y/N		
	FedEx	Soil	Soil SL Standard turnaround			(SDWA, N	IPDES	3,)			
	USPS	Solid	olid SD RUSH - 5 Working Days			WSID / Permit #					
	Hand Carried Other	Filter	FT	URGENT - < 2 Working Days	Chlorinate				Y/N		
	Inter-Mountain Labs	Other	ОТ	Rush & Urgent Surcharges will be applied www.intermo		isposal:	Lab	X	Client		Rev 4.6 Web

Date: 1/15/2014

CLIENT: Cameco Resources, Crow Butte Operation

Marsland Garden Soil Samples

Lab Order: \$1311293

Project:

CASE NARRATIVE

Report ID: S1311293001

Samples Furman, Metz, Richardson, Tollman, Troester 1, Troester 2, and Walters were received on November 19, 2013.

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:

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: \$1311293-001

ClientSample ID: Furman COC: WEB

Samples WorkOrder: \$1311293 CollectionDate: 8/1/2013

DateReceived: 11/19/2013 1:51:00 PM

1/15/2014

S1311293001

FieldSampler: WN Matrix: Soil

Date Reported

Report ID

Comments

Comments								
Analyses	Result	Units	nits Qual	RL	Method	Date Analyzed/Init		
Radionuclides - Total								
Lead 210	1.2	pCi/g		1	OTW01	12/20/2013 1228	SH	
Lead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1228	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.6	pCi/g		0.2	E901.1 Mod.	12/19/2013 1925	SH	
Radium 226 Precision (±)	0.4	pCi/g			E901.1 Mod.	12/19/2013 1925	SH	
Thorium 230	0.4	pCi/g		0.2	ACW10	12/17/2013 1013	MB	
Thorium230 Precision (±)	0.1	pCi/g			ACW10	12/17/2013 1013	MB	
Thorium229 Tracer (30-120)	93.9	%			ACW10	12/17/2013 1013	MB	
Metals - Total								
Uranium	0.5	pCi/g		0.2	EPA 200.8	12/02/2013 1829	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

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

RL - Reporting Limit

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

O Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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1/15/2014

S1311293

S1311293001



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

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: S1311293-002

ClientSample ID: Metz

DateReceived: 11/19/2013 1:51:00 PM FieldSampler: WN Matrix: Soil

CollectionDate: 8/1/2013

Date Reported

Report ID

WorkOrder:

WEB COC:

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init		
Radionuclides - Total								
Lead 210	1.6	pCi/g		1	OTW01	12/20/2013 1228	SH	
Lead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1228	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.7	pCi/g		0.2	E901.1 Mod.	12/19/2013 1946	SH	
Radium 226 Precision (±)	0.4	pCi/g			E901.1 Mod.	12/19/2013 1946	SH	
Thorium 230	0.3	pCi/g		0.2	ACW10	12/17/2013 1013	MB	
Thorium230 Precision (±)	0.1	pCi/g			ACW10	12/17/2013 1013	MB	
Thorium229 Tracer (30-120)	97.0	%			ACW10	12/17/2013 1013	MB	
Metals - Total								
Uranium	0.5	pCi/g		0.2	EPA 200.8	12/02/2013 1835	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

С Calculated Value

Holding times for preparation or analysis exceeded Н

Analyzed by a contract laboratory ND Not Detected at the Reporting Limit

Spike Recovery outside accepted recovery limits

RL - Reporting Limit

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Value exceeds Monthly Ave or MCL

Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: S1311293-003

ClientSample ID: Walters

COC: WEB

Date Reported 1/15/2014

Report ID S1311293001

WorkOrder: \$1311293 CollectionDate: 8/7/2013

DateReceived: 11/19/2013 1:51:00 PM

FieldSampler: WN Matrix: Soil

Comments

Analyses	Result	Result Units	Qual	RL	Method	Date Analyzed/Init		
Radionuclides - Total								
Lead 210	1.3	pCi/g		1	OTW01	12/20/2013 1228	SH	
Lead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1228	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.3	pCi/g		0.2	E901.1 Mod.	12/19/2013 2007	SH	
Radium 226 Precision (±)	0.4	pCi/g			E901.1 Mod.	12/19/2013 2007	SH	
Thorium 230	0.3	pCi/g		0.2	ACW10	12/17/2013 1013	MB	
Thorium230 Precision (±)	0.2	pCi/g			ACW10	12/17/2013 1013	MB	
Thorium229 Tracer (30-120)	52.5	%			ACW10	12/17/2013 1013	MB	
Metals - Total								
Uranium	0.5	pCi/g		0.2	EPA 200.8	12/02/2013 1840	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

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

RL - Reporting Limit

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

O Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: S1311293-004 ClientSample ID: Troester 1

COC: WEB

Date Reported 1/15/2014 **Report ID** S1311293001

WorkOrder: S1311293
CollectionDate: 8/2/2013

DateReceived: 11/19/2013 1:51:00 PM

FieldSampler: WN Matrix: Soil

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init		
Radionuclides - Total								
Lead 210	1.3	pCi/g		1	OTW01	12/20/2013 1228	SH	
Lead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1228	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.9	pCi/g		0.2	E901.1 Mod.	12/19/2013 2028	SH	
Radium 226 Precision (±)	0.4	pCi/g			E901.1 Mod.	12/19/2013 2028	SH	
Thorium 230	0.4	pCi/g		0.2	ACW10	12/19/2013 1206	MB	
Thorium230 Precision (±)	0.1	pCi/g			ACW10	12/19/2013 1206	MB	
Thorium229 Tracer (30-120)	105	%			ACW10	12/19/2013 1206	MB	
Metals - Total								
Uranium	0.8	pCi/g		0.2	EPA 200.8	12/02/2013 1911	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

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

RL - Reporting Limit

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

O Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: S1311293-005 ClientSample ID: Richardson

WEB COC:

Date Reported Report ID S1311293001

WorkOrder: S1311293 CollectionDate: 8/1/2013

DateReceived: 11/19/2013 1:51:00 PM

1/15/2014

FieldSampler: WN Matrix: Soil

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init		
Radionuclides - Total								
_ead 210	1.3	pCi/g		1	OTW01	12/20/2013 1228	SH	
_ead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1228	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.6	pCi/g		0.2	E901.1 Mod.	12/19/2013 2048	SH	
Radium 226 Precision (±)	0.5	pCi/g			E901.1 Mod.	12/19/2013 2048	SH	
Thorium 230	0.2	pCi/g		0.2	ACW10	12/19/2013 1206	MB	
Thorium230 Precision (±)	0.1	pCi/g			ACW10	12/19/2013 1206	MB	
Thorium229 Tracer (30-120)	92.3	%			ACW10	12/19/2013 1206	MB	
Metals - Total								
Jranium	0.6	pCi/g		0.2	EPA 200.8	12/02/2013 1917	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

С Calculated Value

Holding times for preparation or analysis exceeded Н

Analyzed by a contract laboratory ND Not Detected at the Reporting Limit

Spike Recovery outside accepted recovery limits

RL - Reporting Limit

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Value exceeds Monthly Ave or MCL

Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: S1311293-006 ClientSample ID: Troester 2

COC: WEB

Date Reported 1/15/2014 **Report ID** S1311293001

WorkOrder: \$1311293 CollectionDate: 8/2/2013

DateReceived: 11/19/2013 1:51:00 PM

FieldSampler: WN Matrix: Soil

Comments

Analyses	Result	Result Units	Qual	RL	Method	Date Analyzed/Init		
Radionuclides - Total								
Lead 210	0.8	pCi/g		0.7	OTW01	12/20/2013 1228	SH	
Lead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1228	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.8	pCi/g		0.2	E901.1 Mod.	12/19/2013 2109	SH	
Radium 226 Precision (±)	0.3	pCi/g			E901.1 Mod.	12/19/2013 2109	SH	
Thorium 230	0.3	pCi/g		0.2	ACW10	12/19/2013 1206	MB	
Thorium230 Precision (±)	0.1	pCi/g			ACW10	12/19/2013 1206	MB	
Thorium229 Tracer (30-120)	95.0	%			ACW10	12/19/2013 1206	MB	
Metals - Total								
Uranium	0.6	pCi/g		0.2	EPA 200.8	12/02/2013 1922	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

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

RL - Reporting Limit

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

O Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation

PO Box 169

Crawford, NE 69339

ProjectName: Marsland Garden Soil Samples

Lab ID: S1311293-007 ClientSample ID: Tollman

COC: WEB

 Date Reported
 1/15/2014

 Report ID
 \$1311293001

WorkOrder: S1311293 CollectionDate: 8/15/2013

DateReceived: 11/19/2013 1:51:00 PM

FieldSampler: WN Matrix: Soil

Comments

Comments								
Analyses	Result	ult Units		RL	Method	Date Analyzed/Init		
Radionuclides - Total								
Lead 210	1.4	pCi/g		1	OTW01	12/20/2013 1525	SH	
Lead 210 Precision (±)	0.4	pCi/g			OTW01	12/20/2013 1525	SH	
Polonium 210	<2	pCi/g		2	OTW01	12/24/2013 1128	SH	
Polonium 210 Precision (±)	NA	pCi/g			OTW01	12/24/2013 1128	SH	
Radium 226	0.8	pCi/g		0.2	E901.1 Mod.	12/19/2013 2130	SH	
Radium 226 Precision (±)	0.4	pCi/g			E901.1 Mod.	12/19/2013 2130	SH	
Thorium 230	0.2	pCi/g		0.2	ACW10	12/19/2013 1206	MB	
Thorium230 Precision (±)	0.1	pCi/g			ACW10	12/19/2013 1206	MB	
Thorium229 Tracer (30-120)	98.1	%			ACW10	12/19/2013 1206	MB	
Metals - Total								
Uranium	0.6	pCi/g		0.2	EPA 200.8	12/02/2013 1927	MS	

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

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

RL - Reporting Limit

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

O Outside the Range of Dilutions

Reviewed by: A

Wade Nieuwsma, Assistant Laboratory Manager

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ANALYTICAL QC SUMMARY REPORT

CLIENT: Cameco Resources, Crow Butte Operation Date: 1/15/2014

Work Order: \$1311293 Report ID: \$1311293001

Project: Marsland Garden Soil Samples

Lead 210 in Soil

Sample Type MBLK	Units: pCi	/g							
Sample ID	RunNo: 103248	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB13-336	12/20/13 12:28	Lead 210	ND	1					
Sample Type LCS	Units: pCi	/g							
Sample ID	RunNo: 103248	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS13-336	12/19/13 14:36	Lead 210	13	1	12.1		109	50 - 150	
Sample Type MS	Units: pCi	/g							
Sample ID	RunNo: 103248	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
TAP WATER MS	12/19/13 14:36	Lead 210	14	1	12.4	ND	112	50 - 150	
Sample Type MSD	Units: pCi	/g							
Sample ID	RunNo: 103248	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
TAP WATER MSD	12/19/13 14:36	Lead 210	15	1	14	5.42	118	30	
Radium By Gamma Spec	troscopy in Soil								
Sample Type MBLK	Units: pCi	/g							
Sample ID	RunNo: 103246	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB13-353	12/19/13 15:16	Radium 226	ND	0.2					
Sample Type LCS	Units: pCi	/g							
Sample ID	RunNo: 103246	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS13-353	12/19/13 15:37	Radium 226	527	0.2	534		98.8	70 - 130	
Sample Type DUP	Units: pCi	/g							
Sample ID	RunNo: 103246	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1311293-007BDL	JP 12/19/13 22:33	Radium 226	0.5	0.2	0.8	28.2		30	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

L Analyzed by a contract laboratory

O Outside the Range of Dilutions

S Spike Recovery outside accepted recovery limits

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT

CLIENT: Cameco Resources, Crow Butte Operation Date: 1/15/2014

Work Order: \$1311293 Report ID: \$1311293001

Project: Marsland Garden Soil Samples

Total Polonium 210 in Soil

Sample	Type MBLK	Units: pCi	/g							
	Sample ID	RunNo: 103249	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
•	MB13-336	12/24/13 11:28	Polonium 210	ND	1					
Sample	Type LCS	Units: pCi	/g							
	Sample ID	RunNo: 103249	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
<u>'</u>	LCS13-336	12/24/13 11:28	Polonium 210	6	1	6.2		89.4	70 - 130	
Sample	e Type MS	Units: pCi	/g							
	Sample ID	RunNo: 103249	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
'	TAP WATER MS	12/24/13 11:28	Polonium 210	13	1	12	ND	104	70 - 130	
Sample	e Type MSD	Units: pCi	/g							
	Sample ID	RunNo: 103249	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
	TAP WATER MSD	12/24/13 11:28	Polonium 210	12	1	13	6.93	96.4	30	
Thoriu	TAP WATER MSD um 230 in Soil	12/24/13 11:28	Polonium 210	12	1	13	6.93	96.4	30	
	-	12/24/13 11:28 Units: pCi		12	1	13	6.93	96.4	30	
	ım 230 in Soil			12 Result	1 RL	13 Spike	6.93 Ref Samp		30 % Rec Limits	Qual
	um 230 in Soil Type MBLK	Units: pCi	/g							Qual
Sample	um 230 in Soil Type MBLK Sample ID	Units: pCi	/g Analyte Thorium230	Result	RL					Qual
Sample	Type MBLK Sample ID MB13-338	Units: pCi RunNo: 103171 12/13/13 12:05	/g Analyte Thorium230	Result	RL			%REC		Qual
Sample	am 230 in Soil Type MBLK Sample ID MB13-338 Type LCS	Units: pCi RunNo: 103171 12/13/13 12:05 Units: pCi	/g Analyte Thorium230	Result ND	RL 0.2	Spike	Ref Samp	%REC	% Rec Limits	
Sample	am 230 in Soil Type MBLK Sample ID MB13-338 Type LCS Sample ID	Units: pCi RunNo: 103171 12/13/13 12:05 Units: pCi RunNo: 103171	/g Analyte Thorium230 /g Analyte Thorium230	Result ND Result	RL 0.2 RL	Spike Spike	Ref Samp	%REC	% Rec Limits % Rec Limits	
Sample	am 230 in Soil Type MBLK Sample ID MB13-338 Type LCS Sample ID LCS13-338	Units: pCi RunNo: 103171 12/13/13 12:05 Units: pCi RunNo: 103171 12/13/13 12:05	/g Analyte Thorium230 /g Analyte Thorium230	Result ND Result	RL 0.2 RL	Spike Spike	Ref Samp	%REC	% Rec Limits % Rec Limits	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

L Analyzed by a contract laboratory

O Outside the Range of Dilutions

S Spike Recovery outside accepted recovery limits

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT

CLIENT: Cameco Resources, Crow Butte Operation Date: 1/15/2014

Work Order: \$1311293 Report ID: \$1311293001

Project: Marsland Garden Soil Samples

Total (3050) Metals by EPA 200.8 - Soil

Sample	Type MBLK	Units: pCi	/g							
	Sample ID	RunNo: 102549	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
	MBLK	12/02/13 14:50	Uranium	ND	0.2					
Sample	e Type LCS	Units: pCi	/g							
	Sample ID	RunNo: 102549	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
	LCS	12/02/13 14:45	Uranium	67.6	0.2	67.7		99.8	85 - 115	
Sample	Type MS	Units: pCi	/g							
	Sample ID	RunNo: 102549	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
	S1311293-003BS	12/02/13 19:02	Uranium	709	0.2	745	0.5	95.2	70 - 130	
Sample	e Type MSD	Units: pCi	/g							
	Sample ID	RunNo: 102549	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
	S1311293-003BMSD	12/02/13 19:06	Uranium	709	0.2	709	0.0711	95.1	20	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

L Analyzed by a contract laboratory

O Outside the Range of Dilutions

S Spike Recovery outside accepted recovery limits

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits