



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/14/2014
Report ID: S1311186002
(Replaces S1311186001)

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1311186-007
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1311186
CollectionDate: 11/8/2013
DateReceived: 11/13/2013 11:43:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity), and Data Quality (Cation Sum, Anion Sum, etc.).

These results apply only to the samples tested.

RL - Reporting Limit

- 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

- 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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

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ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1311186-007
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1311186
CollectionDate: 11/8/2013
DateReceived: 11/13/2013 11:43:00 AM
FieldSampler:
Matrix: Water


Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	<0.1	mg/L		0.1	EPA 200.7	11/14/2013 1520	DG
Arsenic	0.002	mg/L		0.001	EPA 200.8	11/13/2013 2055	MS
Barium	<0.1	mg/L		0.1	EPA 200.8	11/13/2013 2055	MS
Boron	<0.1	mg/L		0.1	EPA 200.7	11/14/2013 1520	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	11/13/2013 2055	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	11/14/2013 1520	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	11/13/2013 2055	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	11/14/2013 1520	DG
Lead	<0.005	mg/L		0.005	EPA 200.8	11/13/2013 2055	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	11/14/2013 1520	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	11/15/2013 1216	CS
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	11/13/2013 2055	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	11/14/2013 1520	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	11/13/2013 2055	MS
Uranium	0.0069	mg/L		0.0003	EPA 200.8	11/13/2013 2055	MS
Uranium Activity	4.7	pCi/L		0.2	Calculation	12/06/2013 1253	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	11/13/2013 2055	MS
Zinc	0.21	mg/L		0.01	EPA 200.7	11/14/2013 1520	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	11/15/2013 1559	MS
Uranium Activity	<0.2	pCi/L		0.2	Calculation	12/06/2013 1253	WN
Radionuclides - Dissolved							
Lead 210	<1	pCi/L		1	OTW01	12/03/2013 1020	SH
Lead 210 (Dissolved) Precision (±)	NA	pCi/L			OTW01	12/03/2013 1020	SH
Polonium 210	<1	pCi/L		1	OTW01	12/04/2013 000	SH
Polonium 210 (Dissolved) Precision (±)	NA	pCi/L			OTW01	12/04/2013 000	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	12/05/2013 1051	SH
Radium 226 Precision (±)	NA	pCi/L			SM 7500 Ra-B	12/05/2013 1051	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	11/26/2013 808	MB
Thorium 230 Precision (±)	NA	pCi/L			ACW10	11/26/2013 808	MB
Thorium 229 Tracer (30-120)	74	%			ACW10	11/26/2013 808	MB

These results apply only to the samples tested.

RL - Reporting Limit

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

Reviewed by: 
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/14/2014
Report ID S1311186002
(Replaces S1311186001)

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1311186-007
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1311186
CollectionDate: 11/8/2013
DateReceived: 11/13/2013 11:43:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Suspended, Lead 210, Polonium 210, Radium 226, Thorium 230, and Thorium 229 Tracer.

These results apply only to the samples tested.

RL - Reporting Limit

- 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

- 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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
 PO Box 169
 Crawford, NE 69339

Date Reported 3/27/2014
Report ID S1402335001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402335-003
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1402335
CollectionDate: 2/25/2014
DateReceived: 2/27/2014 11:49:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init
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Anions/Cations

Alkalinity, Total (As CaCO3)	156	mg/L		5	SM 2320B	02/27/2014 2210 KV
Alkalinity, Bicarbonate as HCO3	186	mg/L		1	SM 2320B	02/27/2014 2210 KV
Alkalinity, Carbonate as CO3	2	mg/L		1	SM 2320B	02/27/2014 2210 KV
Chloride	6	mg/L		1	EPA 300.0	03/07/2014 232 AMB
Fluoride	0.5	mg/L		0.1	SM 4500FC	02/27/2014 2210 KV
Nitrogen, Nitrate+Nitrite (as N)	2.1	mg/L		0.1	EPA 353.2	03/03/2014 1459 RH
Sulfate	8	mg/L		1	EPA 300.0	03/07/2014 232 AMB
Calcium	34	mg/L		1	EPA 200.7	02/28/2014 1503 DG
Magnesium	9	mg/L		1	EPA 200.7	02/28/2014 1503 DG
Potassium	3	mg/L		1	EPA 200.7	02/28/2014 1503 DG
Sodium	24	mg/L		1	EPA 200.7	02/28/2014 1503 DG
Nitrogen, Ammonia (As N)	<0.05	mg/L		0.05	EPA 350.1	03/07/2014 930 RH
Silica as SiO2	65	mg/L		1	EPA 200.7	02/28/2014 1503 DG

General Parameters

pH	8.3	s.u.		0.1	SM 4500 H B	02/27/2014 2210 KV
Electrical Conductivity	332	µmhos/cm		1	SM 2510B	02/27/2014 2210 KV
Total Dissolved Solids (180)	240	mg/L		10	SM 2540	02/27/2014 1402 EC
Nitrogen, Nitrite (as N)	<0.1	mg/L	L	0.1	EPA 353.2	02/27/2014 000 WN

Data Quality

Cation Sum	3.61	meq/L		0.01	SM 1030E	03/14/2014 944 JJ
Anion Sum	3.61	meq/L		0.01	SM 1030E	03/14/2014 944 JJ
Cation-Anion Balance (± 5%)	<0.01	%		0.01	SM 1030E	03/14/2014 944 JJ
Solids, Total Dissolved (Calc)	250	mg/L		10	SM 1030E	03/14/2014 944 JJ
Calculated TDS/TDS Ratio (0.80-1.20)	0.96	dec. %		0.01	Calculation	03/25/2014 1148 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
 Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/27/2014
Report ID S1402335001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402335-003
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1402335
CollectionDate: 2/25/2014
DateReceived: 2/27/2014 11:49:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Metals - Dissolved (Aluminum, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Uranium, Uranium Activity, Vanadium, Zinc), Metals - Suspended (Uranium, Uranium Activity), and Radionuclides - Dissolved (Lead 210, Polonium 210, Radium 226, Thorium 230, Thorium 229 Tracer).

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/27/2014
Report ID: S1402335001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402335-003
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1402335
CollectionDate: 2/25/2014
DateReceived: 2/27/2014 11:49:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Radionuclides - Suspended							
Lead 210	1.1	pCi/L		1	OTW01	03/14/2014 1420	SH
Lead 210 (Suspended) Precision (±)	0.5	pCi/L			OTW01	03/14/2014 1420	SH
Polonium 210	<1	pCi/L		1	OTW01	03/17/2014 1351	SH
Polonium 210 (Suspended) Precision (±)	0.3	pCi/L			OTW01	03/17/2014 1351	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	03/18/2014 1010	SH
Radium 226 (Suspended) Precision (±)	0.03	pCi/L			SM 7500 Ra-B	03/18/2014 1010	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	03/20/2014 1041	MB
Thorium 230 Precision (±)	0.04	pCi/L			ACW10	03/20/2014 1041	MB
Thorium 229 Tracer (30-120)	96	%			ACW10	03/20/2014 1041	MB

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 - 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
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/8/2014
Report ID S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-007
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 AM
FieldSampler: WN
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	154	mg/L		5	SM 2320B	06/19/2014 1846	BT
Alkalinity, Bicarbonate as HCO3	186	mg/L		1	SM 2320B	06/19/2014 1846	BT
Alkalinity, Carbonate as CO3	<1	mg/L		1	SM 2320B	06/19/2014 1846	BT
Chloride	3	mg/L		1	EPA 300.0	06/22/2014 1733	AMB
Fluoride	0.4	mg/L		0.1	SM 4500FC	06/19/2014 1846	BT
Nitrogen, Nitrate+Nitrite (as N)	2.4	mg/L		0.1	EPA 353.2	06/20/2014 1358	CAW
Sulfate	6	mg/L		1	EPA 300.0	06/22/2014 1733	AMB
Calcium	34	mg/L		1	EPA 200.7	06/19/2014 2054	DG
Magnesium	9	mg/L		1	EPA 200.7	06/19/2014 2054	DG
Potassium	4	mg/L		1	EPA 200.7	06/19/2014 2054	DG
Sodium	20	mg/L		1	EPA 200.7	06/19/2014 2054	DG
Nitrogen, Ammonia (As N)	<0.05	mg/L		0.05	EPA 350.1	06/24/2014 900	RH
Silica as SiO2	68	mg/L		1	EPA 200.7	06/19/2014 2054	DG
General Parameters							
pH	8.3	s.u.		0.1	SM 4500 H B	06/19/2014 1846	BT
Electrical Conductivity	324	umhos/cm		1	SM 2510B	06/19/2014 1846	BT
Total Dissolved Solids (180)	260	mg/L		10	SM 2540	06/19/2014 1510	BM
Nitrogen, Nitrite (as N)	<0.1	mg/L	L	0.1	EPA 353.2	06/17/2014 000	WN
Data Quality							
Cation Sum	3.44	meq/L		0.01	SM 1030E	06/26/2014 905	JJ
Anion Sum	3.51	meq/L		0.01	SM 1030E	06/26/2014 905	JJ
Cation-Anion Balance (± 5%)	0.92	%		0.01	SM 1030E	06/26/2014 905	JJ
Solids, Total Dissolved (Calc)	250	mg/L		10	SM 1030E	06/26/2014 905	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.04	dec. %		0.01	Calculation	07/28/2014 1550	WN

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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
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/8/2014
Report ID S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-007
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 AM
FieldSampler: WN
Matrix: Water


Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	<0.1	mg/L		0.1	EPA 200.7	06/19/2014 2054	DG
Arsenic	0.002	mg/L		0.001	EPA 200.8	06/23/2014 158	MS
Barium	0.1	mg/L		0.1	EPA 200.8	06/23/2014 158	MS
Boron	<0.1	mg/L		0.1	EPA 200.7	06/19/2014 2054	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	06/23/2014 158	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	06/19/2014 2054	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	06/23/2014 158	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	06/19/2014 2054	DG
Lead	<0.001	mg/L		0.001	EPA 200.8	06/23/2014 158	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	06/19/2014 2054	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	06/28/2014 1313	CJB
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 158	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	06/19/2014 2054	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	06/23/2014 158	MS
Uranium	0.0069	mg/L		0.0003	EPA 200.8	06/23/2014 158	MS
Uranium Activity	4.7	pCi/L		0.2	Calculation	07/28/2014 1550	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 158	MS
Zinc	0.26	mg/L		0.01	EPA 200.7	06/19/2014 2054	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	06/24/2014 1838	MS
Uranium Activity	<0.2	pCi/L		0.2	Calculation	07/28/2014 1550	WN
Radionuclides - Dissolved							
Lead 210	<1	pCi/L		1	OTW01	07/09/2014 1302	MB
Lead 210 (Dissolved) Precision (±)	0.3	pCi/L			OTW01	07/09/2014 1302	MB
Polonium 210	<1	pCi/L		1	OTW01	07/10/2014 1116	MB
Polonium 210 (Dissolved) Precision (±)	0.1	pCi/L			OTW01	07/10/2014 1116	MB
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	07/15/2014 1413	MB
Radium 226 Precision (±)	0.03	pCi/L			SM 7500 Ra-B	07/15/2014 1413	MB
Thorium 230	<0.2	pCi/L		0.2	ACW10	07/03/2014 1336	MB
Thorium 230 Precision (±)	0.0	pCi/L			ACW10	07/03/2014 1336	MB
Thorium 229 Tracer (30-120)	75	%			ACW10	07/03/2014 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



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/8/2014
Report ID S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-007
ClientSample ID: AOW 10
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 AM
FieldSampler: WN
Matrix: Water

Comments

Table with columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/init. Rows include Radionuclides - Suspended, Lead 210, Polonium 210, Radium 226, Thorium 230, and Thorium 229 Tracer.

These results apply only to the samples tested.

RL - Reporting Limit

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Reviewed by: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 11/17/2014
Report ID S1409415001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409415-005
ClientSample ID: AOW-10
COC: WEB

WorkOrder: S1409415
CollectionDate: 9/17/2014
DateReceived: 9/19/2014 1:05:00 PM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity, etc.), and Data Quality (Cation Sum, Anion Sum, etc.).

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 11/17/2014
Report ID S1409415001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409415-005
ClientSample ID: AOW-10
COC: WEB

WorkOrder: S1409415
CollectionDate: 9/17/2014
DateReceived: 9/19/2014 1:05:00 PM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1424	DG
Arsenic	0.003	mg/L		0.001	EPA 200.8	09/20/2014 527	MS
Barium	0.1	mg/L		0.1	EPA 200.8	09/20/2014 527	MS
Boron	<0.1	mg/L		0.1	EPA 200.7	09/22/2014 1424	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	09/20/2014 527	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1424	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	09/20/2014 527	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1424	DG
Lead	<0.001	mg/L		0.001	EPA 200.8	09/20/2014 527	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	09/22/2014 1424	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	09/26/2014 1023	BJ
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	09/20/2014 527	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1424	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	09/20/2014 527	MS
Uranium	0.0068	mg/L		0.0003	EPA 200.8	09/20/2014 527	MS
Uranium Activity	4.6	pCi/L		0.2	Calculation	10/16/2014 922	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	09/20/2014 527	MS
Zinc	0.26	mg/L		0.01	EPA 200.7	09/22/2014 1424	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	10/14/2014 1948	MS
Uranium Activity	<0.2	pCi/L		0.2	Calculation	10/16/2014 922	WN
Radionuclides - Dissolved							
Lead 210	1.2	pCi/L		1	OTW01	10/28/2014 1243	MB
Lead 210 (Dissolved) Precision (±)	0.5	pCi/L			OTW01	10/28/2014 1243	MB
Polonium 210	<1	pCi/L		1	OTW01	10/30/2014 1652	MB
Polonium 210 (Dissolved) Precision (±)	0.2	pCi/L			OTW01	10/30/2014 1652	MB
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	10/15/2014 1302	MB
Radium 226 Precision (±)	0.04	pCi/L			SM 7500 Ra-B	10/15/2014 1302	MB
Thorium 230	<0.2	pCi/L		0.2	ACW10	10/22/2014 1313	MB
Thorium 230 Precision (±)	0.1	pCi/L			ACW10	10/22/2014 1313	MB
Thorium 229 Tracer (30-120)	88	%			ACW10	10/22/2014 1313	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
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 11/17/2014
Report ID S1409415001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409415-005
ClientSample ID: AOW-10
COC: WEB

WorkOrder: S1409415
CollectionDate: 9/17/2014
DateReceived: 9/19/2014 1:05:00 PM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Suspended, Lead 210, Polonium 210, Radium 226, Thorium 230, and Thorium 229 Tracer.

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 11/17/2014
Report ID S1409415001

ProjectName: Marstand Quarterly Shallow Wells
Lab ID: S1409415-006
ClientSample ID: AOW-11
COC: WEB

WorkOrder: S1409415
CollectionDate: 9/17/2014
DateReceived: 9/19/2014 1:05:00 PM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity), and Data Quality (Cation Sum, Anion Sum).

These results apply only to the samples tested.

RL - Reporting Limit

Table mapping Qualifiers (B, E, J, M, O, X) to their meanings (e.g., Analyte detected in the associated Method Blank, Value above quantitation range) and RL (C, H, L, ND, S) to their meanings (e.g., Calculated Value, Holding times for preparation or analysis exceeded).

Reviewed by: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/14/2014
Report ID: S1311186002
(Replaces S1311186001)

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1311186-008
ClientSample ID: AOW 11
COC: WEB

WorkOrder: S1311186
CollectionDate: 11/8/2013
DateReceived: 11/13/2013 11:43:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity, etc.), and Data Quality (Cation Sum, Anion Sum, etc.).

These results apply only to the samples tested.

RL - Reporting Limit

- 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

- 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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/14/2014
Report ID S1311186002
(Replaces S1311186001)

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1311186-008
ClientSample ID: AOW 11
COC: WEB

WorkOrder: S1311186
CollectionDate: 11/8/2013
DateReceived: 11/13/2013 11:43:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Metals - Dissolved (Aluminum, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Uranium, Uranium Activity, Vanadium, Zinc), Metals - Suspended (Uranium, Uranium Activity), and Radionuclides - Dissolved (Lead 210, Polonium 210, Radium 226, Thorium 230, Thorium 229 Tracer).

These results apply only to the samples tested.

RL - Reporting Limit

- 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, 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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1311186-008
ClientSample ID: AOW 11
COC: WEB

Date Reported: 1/14/2014
Report ID: S1311186002
(Replaces S1311186001)
WorkOrder: S1311186
CollectionDate: 11/8/2013
DateReceived: 11/13/2013 11:43:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Radionuclides - Suspended							
Lead 210	<1	pCi/L		1	OTW01	12/04/2013 1703	SH
Lead 210 (Suspended) Precision (±)	NA	pCi/L			OTW01	12/04/2013 1703	SH
Polonium 210	<1	pCi/L		1	OTW01	12/04/2013 000	SH
Polonium 210 (Suspended) Precision (±)	NA	pCi/L			OTW01	12/04/2013 000	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	12/05/2013 1352	SH
Radium 226 (Suspended) Precision (±)	NA	pCi/L			SM 7500 Ra-B	12/05/2013 1352	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	12/04/2013 718	MB
Thorium 230 Precision (±)	NA	pCi/L			ACW10	12/04/2013 718	MB
Thorium 229 Tracer (30-120)	74	%			ACW10	12/04/2013 718	MB

These results apply only to the samples tested.

RL - Reporting Limit

- 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

- 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: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/31/2014
Report ID S1402356001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402356-005
ClientSample ID: AOW 11
COC:

WorkOrder: S1402356
CollectionDate: 2/26/2014 9:30:00 AM
DateReceived: 2/28/2014 11:04:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity), and Data Quality (Cation Sum, Anion Sum).

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/31/2014
Report ID S1402356001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402356-005
ClientSample ID: AOW 11
COC:

WorkOrder: S1402356
CollectionDate: 2/26/2014 9:30:00 AM
DateReceived: 2/28/2014 11:04:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Metals - Dissolved (Aluminum, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Uranium, Uranium Activity, Vanadium, Zinc), Metals - Suspended (Uranium, Uranium Activity), and Radionuclides - Dissolved (Lead 210, Polonium 210, Radium 226, Thorium 230, Thorium 229 Tracer).

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/31/2014
Report ID: S1402356001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402356-005
ClientSample ID: AOW 11
COC:

WorkOrder: S1402356
CollectionDate: 2/26/2014 9:30:00 AM
DateReceived: 2/28/2014 11:04:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Radionuclides - Suspended							
Lead 210	<1	pCi/L		1	OTW01	03/21/2014 1326	SH
Lead 210 (Suspended) Precision (±)	0.4	pCi/L			OTW01	03/21/2014 1326	SH
Polonium 210	<1	pCi/L		1	OTW01	03/19/2014 1527	SH
Polonium 210 (Suspended) Precision (±)	0.1	pCi/L			OTW01	03/19/2014 1527	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	03/18/2014 1402	SH
Radium 226 (Suspended) Precision (±)	0.02	pCi/L			SM 7500 Ra-B	03/18/2014 1402	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	03/24/2014 2046	MB
Thorium 230 Precision (±)	0.04	pCi/L			ACW10	03/24/2014 2046	MB
Thorium 229 Tracer (30-120)	110	%			ACW10	03/24/2014 2046	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
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/8/2014
Report ID S1406386001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406386-004
ClientSample ID: AOW 11
COC: WEB

WorkOrder: S1406386
CollectionDate: 6/17/2014 10:24:00 AM
DateReceived: 6/19/2014 11:30:00 AM
FieldSampler: WN
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity, etc.), and Data Quality (Cation Sum, Anion Sum, etc.).

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/8/2014
Report ID S1406386001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406386-004
ClientSample ID: AOW 11
COC: WEB

WorkOrder: S1406386
CollectionDate: 6/17/2014 10:24:00 AM
DateReceived: 6/19/2014 11:30:00 AM
FieldSampler: WN
Matrix: Water


Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	<0.1	mg/L		0.1	EPA 200.7	06/20/2014 1549	DG
Arsenic	0.004	mg/L		0.001	EPA 200.8	06/23/2014 2341	MS
Barium	0.1	mg/L		0.1	EPA 200.8	06/23/2014 2341	MS
Boron	<0.1	mg/L		0.1	EPA 200.7	06/20/2014 1549	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	06/23/2014 2341	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	06/20/2014 1549	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	06/23/2014 2341	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	06/20/2014 1549	DG
Lead	<0.001	mg/L		0.001	EPA 200.8	06/23/2014 2341	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	06/20/2014 1549	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/01/2014 1021	CJB
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 2341	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	06/20/2014 1549	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	06/23/2014 2341	MS
Uranium	0.0065	mg/L		0.0003	EPA 200.8	06/23/2014 2341	MS
Uranium Activity	4.4	pCi/L		0.2	Calculation	07/28/2014 1348	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 2341	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	06/20/2014 1549	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	06/24/2014 1503	MS
Uranium Activity	<0.2	pCi/L		0.2	Calculation	07/28/2014 1348	WN
Radionuclides - Dissolved							
Lead 210	<1	pCi/L		1	OTW01	07/09/2014 1302	MB
Lead 210 (Dissolved) Precision (±)	0.3	pCi/L			OTW01	07/09/2014 1302	MB
Polonium 210	<1	pCi/L		1	OTW01	07/10/2014 1116	MB
Polonium 210 (Dissolved) Precision (±)	0.1	pCi/L			OTW01	07/10/2014 1116	MB
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	07/08/2014 943	MB
Radium 226 Precision (±)	0.0	pCi/L			SM 7500 Ra-B	07/08/2014 943	MB
Thorium 230	<0.2	pCi/L		0.2	ACW10	07/07/2014 1616	MB
Thorium 230 Precision (±)	0.0	pCi/L			ACW10	07/07/2014 1616	MB
Thorium 229 Tracer (30-120)	75	%			ACW10	07/07/2014 1616	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: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/8/2014
Report ID S1406386001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406386-004
ClientSample ID: AOW 11
COC: WEB

WorkOrder: S1406386
CollectionDate: 6/17/2014 10:24:00 AM
DateReceived: 6/19/2014 11:30:00 AM
FieldSampler: WN
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Suspended, Lead 210, Polonium 210, Radium 226, Thorium 230, and Thorium 229 Tracer.

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 11/17/2014
Report ID S1409415001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409415-006
ClientSample ID: AOW-11
COC: WEB

WorkOrder: S1409415
CollectionDate: 9/17/2014
DateReceived: 9/19/2014 1:05:00 PM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1428	DG
Arsenic	0.004	mg/L		0.001	EPA 200.8	09/20/2014 532	MS
Barium	0.1	mg/L		0.1	EPA 200.8	09/20/2014 532	MS
Boron	<0.1	mg/L		0.1	EPA 200.7	09/22/2014 1428	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	09/20/2014 532	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1428	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	09/20/2014 532	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1428	DG
Lead	<0.001	mg/L		0.001	EPA 200.8	09/20/2014 532	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	09/22/2014 1428	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	09/26/2014 1025	BJ
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	09/20/2014 532	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	09/22/2014 1428	DG
Selenium	0.002	mg/L		0.001	EPA 200.8	09/20/2014 532	MS
Uranium	0.0067	mg/L		0.0003	EPA 200.8	09/20/2014 532	MS
Uranium Activity	4.5	pCi/L		0.2	Calculation	10/16/2014 922	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	09/20/2014 532	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	09/22/2014 1428	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	10/14/2014 1954	MS
Uranium Activity	<0.2	pCi/L		0.2	Calculation	10/16/2014 922	WN
Radionuclides - Dissolved							
Lead 210	<1	pCi/L		1	OTW01	10/28/2014 1243	MB
Lead 210 (Dissolved) Precision (±)	0.5	pCi/L			OTW01	10/28/2014 1243	MB
Polonium 210	<1	pCi/L		1	OTW01	10/30/2014 1652	MB
Polonium 210 (Dissolved) Precision (±)	0.2	pCi/L			OTW01	10/30/2014 1652	MB
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	10/15/2014 1509	MB
Radium 226 Precision (±)	0.05	pCi/L			SM 7500 Ra-B	10/15/2014 1509	MB
Thorium 230	<0.2	pCi/L		0.2	ACW10	10/22/2014 1313	MB
Thorium 230 Precision (±)	0.02	pCi/L			ACW10	10/22/2014 1313	MB
Thorium 229 Tracer (30-120)	85	%			ACW10	10/22/2014 1313	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: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 11/17/2014
Report ID: S1409415001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409415-006
ClientSample ID: AOW-11
COC: WEB

WorkOrder: S1409415
CollectionDate: 9/17/2014
DateReceived: 9/19/2014 1:05:00 PM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Suspended, Lead 210, Polonium 210, Radium 226, Thorium 230, and Thorium 229 Tracer.

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: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager