



Sample Analysis Report

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

Date Reported 1/10/2014
Report ID S1312240001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1312240-003
ClientSample ID: BOW 2010-7
COC: WEB

WorkOrder: S1312240
CollectionDate: 12/16/2013
DateReceived: 12/18/2013 10:53:00 AM
FieldSampler:
Matrix: Water

Comments


Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO ₃)	176	mg/L		5	SM 2320B	12/19/2013 1708	KV
Alkalinity, Bicarbonate as HCO ₃	184	mg/L		5	SM 2320B	12/19/2013 1708	KV
Alkalinity, Carbonate as CO ₃	15	mg/L		1	SM 2320B	12/19/2013 1708	KV
Chloride	24	mg/L		1	EPA 300.0	12/19/2013 1655	AMB
Fluoride	0.7	mg/L		0.1	SM 4500FC	12/19/2013 1708	KV
Nitrogen, Nitrate+Nitrite (as N)	0.7	mg/L		0.1	EPA 353.2	12/24/2013 1424	RH
Sulfate	46	mg/L		1	EPA 300.0	12/19/2013 1655	AMB
Calcium	8	mg/L		1	EPA 200.7	12/20/2013 929	DG
Magnesium	<1	mg/L		1	EPA 200.7	12/20/2013 929	DG
Potassium	10	mg/L		1	EPA 200.7	12/20/2013 929	DG
Sodium	97	mg/L		1	EPA 200.7	12/20/2013 929	DG
Nitrogen, Ammonia (As N)	<0.05	mg/L		0.05	EPA 350.1	12/27/2013 1343	LJK
Silica as SiO ₂	67	mg/L		1	EPA 200.7	12/20/2013 929	DG
General Parameters							
pH	8.7	s.u.		0.1	SM 4500 H B	12/19/2013 1708	KV
Electrical Conductivity	558	µmhos/cm		1	SM 2510B	12/19/2013 1708	KV
Total Dissolved Solids (180)	360	mg/L		10	SM 2540	12/18/2013 1413	EC
Nitrogen, Nitrite (as N)	<0.1	mg/L	L	0.1	EPA 353.2	12/17/2013 000	WN
Data Quality							
Cation Sum	4.86	meq/L		0.01	SM 1030E	01/02/2014 918	JJ
Anion Sum	5.22	meq/L		0.01	SM 1030E	01/02/2014 918	JJ
Cation-Anion Balance (± 5%)	3.51	%		0.01	SM 1030E	01/02/2014 918	JJ
Solids, Total Dissolved (Calc)	360	mg/L		10	SM 1030E	01/02/2014 918	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.00	dec. %		0.01	Calculation	01/10/2014 822	WN

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, Assistant Laboratory Manager



Sample Analysis Report

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

Date Reported 1/10/2014
Report ID S1312240001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1312240-003
ClientSample ID: BOW 2010-7
COC: WEB

WorkOrder: S1312240
CollectionDate: 12/16/2013
DateReceived: 12/18/2013 10:53:00 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.

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- Qualifiers: * Value exceeds Maximum Contaminant Level
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Reviewed by: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager



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PO Box 169
Crawford, NE 69339

Date Reported 1/10/2014
Report ID S1312240001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1312240-003
ClientSample ID: BOW 2010-7
COC: WEB

WorkOrder: S1312240
CollectionDate: 12/16/2013
DateReceived: 12/18/2013 10:53:00 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
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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: S1402335-008
ClientSample ID: BOW 2010-7
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 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 3/27/2014
Report ID S1402335001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402335-008
ClientSample ID: BOW 2010-7
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



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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: S1402335-008
ClientSample ID: BOW 2010-7
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 1704	SH
Lead 210 (Suspended) Precision (±)	0.5	pCi/L			OTW01	03/14/2014 1704	SH
Polonium 210	<1	pCi/L		1	OTW01	03/17/2014 1544	SH
Polonium 210 (Suspended) Precision (±)	0.2	pCi/L			OTW01	03/17/2014 1544	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	03/18/2014 1010	SH
Radium 226 (Suspended) Precision (±)	0.04	pCi/L			SM 7500 Ra-B	03/18/2014 1010	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	03/24/2014 1127	MB
Thorium 230 Precision (±)	0.02	pCi/L			ACW10	03/24/2014 1127	MB
Thorium 229 Tracer (30-120)	89	%			ACW10	03/24/2014 1127	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 S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-011
ClientSample ID: BOW 2010-7
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 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: S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-011
ClientSample ID: BOW 2010-7
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 2105	DG
Arsenic	0.028	mg/L		0.001	EPA 200.8	06/23/2014 241	MS
Barium	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 241	MS
Boron	0.1	mg/L		0.1	EPA 200.7	06/19/2014 2105	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	06/23/2014 241	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	06/19/2014 2105	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	06/23/2014 241	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	06/19/2014 2105	DG
Lead	<0.001	mg/L		0.001	EPA 200.8	06/23/2014 241	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	06/19/2014 2105	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	06/26/2014 1342	CJB
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 241	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	06/19/2014 2105	DG
Selenium	0.197	mg/L		0.001	EPA 200.8	06/23/2014 241	MS
Uranium	0.0048	mg/L		0.0003	EPA 200.8	06/23/2014 241	MS
Uranium Activity	3.3	pCi/L		0.2	Calculation	07/28/2014 1550	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	06/23/2014 241	MS
Zinc	0.01	mg/L		0.01	EPA 200.7	06/19/2014 2105	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	06/24/2014 2347	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 (±)	0.4	pCi/L			OTW01	07/09/2014 1302	MB
Polonium 210	<1	pCi/L		1	OTW01	07/10/2014 1116	MB
Polonium 210 (Dissolved) Precision (±)	0.3	pCi/L			OTW01	07/10/2014 1116	MB
Radium 226	0.4	pCi/L		0.2	SM 7500 Ra-B	07/15/2014 1413	MB
Radium 226 Precision (±)	0.1	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 (±)	0.02	pCi/L			ACW10	07/03/2014 1336	MB
Thorium 229 Tracer (30-120)	88	%			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

Page 32 of 42



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: S1406337-011
ClientSample ID: BOW 2010-7
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 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.

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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 S1409373001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409373-008
ClientSample ID: BOW-2010-7
COC: WEB

WorkOrder: S1409373
CollectionDate: 9/16/2014
DateReceived: 9/18/2014 10:28:00 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.).

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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 S1409373001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409373-008
ClientSample ID: BOW-2010-7
COC: WEB

WorkOrder: S1409373
CollectionDate: 9/16/2014
DateReceived: 9/18/2014 10:28:00 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).

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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: S1409373001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409373-008
ClientSample ID: BOW-2010-7
COC: WEB

WorkOrder: S1409373
CollectionDate: 9/16/2014
DateReceived: 9/18/2014 10:28:00 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.

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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: 1/9/2014
Report ID: S1312159001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1312159-005
ClientSample ID: BOW 2010-8
COC:

WorkOrder: S1312159
CollectionDate: 12/10/2013
DateReceived: 12/12/2013 1:19:00 PM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO ₃)	160	mg/L		5	SM 2320B	12/13/2013 2329	KV
Alkalinity, Bicarbonate as HCO ₃	130	mg/L		1	SM 2320B	12/13/2013 2329	KV
Alkalinity, Carbonate as CO ₃	32	mg/L		1	SM 2320B	12/13/2013 2329	KV
Chloride	8	mg/L		1	EPA 300.0	12/16/2013 1956	AMB
Fluoride	0.7	mg/L		0.1	SM 4500FC	12/13/2013 2329	KV
Nitrogen, Nitrate+Nitrite (as N)	0.7	mg/L		0.1	EPA 353.2	12/16/2013 1433	RH
Sulfate	28	mg/L		1	EPA 300.0	12/17/2013 1704	AMB
Calcium	4	mg/L		1	EPA 200.7	12/13/2013 1557	DG
Magnesium	<1	mg/L		1	EPA 200.7	12/13/2013 1557	DG
Potassium	9	mg/L		1	EPA 200.7	12/13/2013 1557	DG
Sodium	76	mg/L		1	EPA 200.7	12/13/2013 1557	DG
Nitrogen, Ammonia (As N)	<0.05	mg/L		0.05	EPA 350.1	12/17/2013 1547	RH
Silica as SiO ₂	78	mg/L		1	EPA 200.7	12/13/2013 1557	DG
General Parameters							
pH	9.2	s.u.		0.1	SM 4500 H B	12/13/2013 2329	KV
Electrical Conductivity	419	µmhos/cm		1	SM 2510B	12/13/2013 2329	KV
Total Dissolved Solids (180)	280	mg/L		10	SM 2540	12/13/2013 1156	EC
Nitrogen, Nitrite (as N)	<0.1	mg/L	L	0.1	EPA 353.2	12/12/2013 000	WN
Data Quality							
Cation Sum	3.76	meq/L		0.01	SM 1030E	12/19/2013 1608	BC
Anion Sum	4.07	meq/L		0.01	SM 1030E	12/19/2013 1608	BC
Cation-Anion Balance (± 5%)	3.95	%		0.01	SM 1030E	12/19/2013 1608	BC
Solids, Total Dissolved (Calc)	300	mg/L		10	SM 1030E	12/19/2013 1608	BC
Calculated TDS/TDS Ratio (0.80-1.20)	0.93	dec. %		0.01	Calculation	01/09/2014 1535	WN

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
	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
	ND Not Detected at the Reporting Limit	O Outside the Range of Dilutions
	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: 1/9/2014
Report ID: S1312159001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1312159-005
ClientSample ID: BOW 2010-8
COC:

WorkOrder: S1312159
CollectionDate: 12/10/2013
DateReceived: 12/12/2013 1:19:00 PM
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).

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



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

Date Reported: 1/9/2014
Report ID: S1312159001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1312159-005
ClientSample ID: BOW 2010-8
COC:

WorkOrder: S1312159
CollectionDate: 12/10/2013
DateReceived: 12/12/2013 1:19:00 PM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Radionuclides - Suspended							
Lead 210	<1	pCi/L		1	OTW01	01/07/2014 1152	SH
Lead 210 (Suspended) Precision (±)	NA	pCi/L			OTW01	01/07/2014 1152	SH
Polonium 210	<1	pCi/L		1	OTW01	01/03/2014 1227	SH
Polonium 210 (Suspended) Precision (±)	NA	pCi/L			OTW01	01/03/2014 1227	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	12/26/2013 1556	SH
Radium 226 (Suspended) Precision (±)	NA	pCi/L			SM 7500 Ra-B	12/26/2013 1556	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	01/02/2014 919	MB
Thorium 230 Precision (±)	NA	pCi/L			ACW10	01/02/2014 919	MB
Thorium 229 Tracer (30-120)	110	%			ACW10	01/02/2014 919	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: S1402356-008
ClientSample ID: BOW 2010-8
COC:

WorkOrder: S1402356
CollectionDate: 2/26/2014 2:45:00 PM
DateReceived: 2/28/2014 11:04:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	175	mg/L		5	SM 2320B	03/01/2014 808	KV
Alkalinity, Bicarbonate as HCO3	153	mg/L		1	SM 2320B	03/01/2014 808	KV
Alkalinity, Carbonate as CO3	30	mg/L		1	SM 2320B	03/01/2014 808	KV
Chloride	5	mg/L		1	EPA 300.0	03/10/2014 2012	AMB
Fluoride	0.6	mg/L		0.1	SM 4500FC	03/01/2014 808	KV
Nitrogen, Nitrate+Nitrite (as N)	0.9	mg/L		0.1	EPA 353.2	03/03/2014 1524	RH
Sulfate	27	mg/L		1	EPA 300.0	03/10/2014 2012	AMB
Calcium	5	mg/L		1	EPA 200.7	03/03/2014 1632	DG
Magnesium	<1	mg/L		1	EPA 200.7	03/03/2014 1632	DG
Potassium	8	mg/L		1	EPA 200.7	03/03/2014 1632	DG
Sodium	81	mg/L		1	EPA 200.7	03/03/2014 1632	DG
Nitrogen, Ammonia (As N)	<0.05	mg/L		0.05	EPA 350.1	03/07/2014 1022	RH
Silica as SiO2	77	mg/L		1	EPA 200.7	03/03/2014 1632	DG
General Parameters							
pH	9.1	s.u.		0.1	SM 4500 H B	03/01/2014 808	KV
Electrical Conductivity	423	µmhos/cm		1	SM 2510B	03/01/2014 808	KV
Total Dissolved Solids (180)	340	mg/L		10	SM 2540	03/03/2014 1515	EC
Nitrogen, Nitrite (as N)	<0.1	mg/L	L	0.1	EPA 353.2	02/27/2014 000	WN
Data Quality							
Cation Sum	3.92	meq/L		0.01	SM 1030E	03/19/2014 1248	JJ
Anion Sum	4.29	meq/L		0.01	SM 1030E	03/19/2014 1248	JJ
Cation-Anion Balance (± 5%)	4.55	%		0.01	SM 1030E	03/19/2014 1248	JJ
Solids, Total Dissolved (Calc)	310	mg/L		10	SM 1030E	03/19/2014 1248	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.10	dec. %		0.01	Calculation	03/25/2014 1153	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: 3/31/2014
Report ID: S1402356001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402356-008
ClientSample ID: BOW 2010-8
COC:

WorkOrder: S1402356
CollectionDate: 2/26/2014 2:45:00 PM
DateReceived: 2/28/2014 11:04:00 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	03/03/2014 1632	DG
Arsenic	0.008	mg/L		0.001	EPA 200.8	02/28/2014 2322	MS
Barium	<0.1	mg/L		0.1	EPA 200.8	02/28/2014 2322	MS
Boron	<0.1	mg/L		0.1	EPA 200.7	03/03/2014 1632	DG
Cadmium	<0.005	mg/L		0.005	EPA 200.8	02/28/2014 2322	MS
Chromium	<0.05	mg/L		0.05	EPA 200.7	03/03/2014 1632	DG
Copper	<0.01	mg/L		0.01	EPA 200.8	02/28/2014 2322	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	03/03/2014 1632	DG
Lead	<0.001	mg/L		0.001	EPA 200.8	02/28/2014 2322	MS
Manganese	<0.01	mg/L		0.01	EPA 200.7	03/03/2014 1632	DG
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/14/2014 1022	CJB
Molybdenum	<0.1	mg/L		0.1	EPA 200.8	02/28/2014 2322	MS
Nickel	<0.05	mg/L		0.05	EPA 200.7	03/03/2014 1632	DG
Selenium	<0.001	mg/L		0.001	EPA 200.8	02/28/2014 2322	MS
Uranium	0.0041	mg/L		0.0003	EPA 200.8	02/28/2014 2322	MS
Uranium Activity	2.8	pCi/L		0.2	Calculation	03/25/2014 1153	WN
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/28/2014 2322	MS
Zinc	0.05	mg/L		0.01	EPA 200.7	03/03/2014 1632	DG
Metals - Suspended							
Uranium	<0.0003	mg/L		0.0003	EPA 200.8	03/07/2014 037	MS
Uranium Activity	<0.2	pCi/L		0.2	Calculation	03/25/2014 1153	WN
Radionuclides - Dissolved							
Lead 210	<1	pCi/L		1	OTW01	03/13/2014 1440	SH
Lead 210 (Dissolved) Precision (±)	0.4	pCi/L			OTW01	03/13/2014 1440	SH
Polonium 210	<1	pCi/L		1	OTW01	03/14/2014 1210	SH
Polonium 210 (Dissolved) Precision (±)	0.2	pCi/L			OTW01	03/14/2014 1210	SH
Radium 226	<0.2	pCi/L		0.2	SM 7500 Ra-B	03/17/2014 1111	SH
Radium 226 Precision (±)	0.03	pCi/L			SM 7500 Ra-B	03/17/2014 1111	SH
Thorium 230	<0.2	pCi/L		0.2	ACW10	03/20/2014 1041	MB
Thorium 230 Precision (±)	0.03	pCi/L			ACW10	03/20/2014 1041	MB
Thorium 229 Tracer (30-120)	87	%			ACW10	03/20/2014 1041	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: 3/31/2014
Report ID: S1402356001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1402356-008
ClientSample ID: BOW 2010-8
COC:

WorkOrder: S1402356
CollectionDate: 2/26/2014 2:45:00 PM
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	1.0	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 (±)	0.2	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 (±)	0.03	pCi/L			ACW10	03/24/2014 2046	MB
Thorium 229 Tracer (30-120)	92	%			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 S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-012
ClientSample ID: BOW 2010-8
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 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 8/8/2014
Report ID S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-012
ClientSample ID: BOW 2010-8
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 AM
FieldSampler: WN
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 8/8/2014
Report ID S1406337001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1406337-012
ClientSample ID: BOW 2010-8
COC: WEB

WorkOrder: S1406337
CollectionDate: 6/16/2014
DateReceived: 6/18/2014 10:42:00 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 S1409373001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409373-009
ClientSample ID: BOW-2010-8
COC: WEB

WorkOrder: S1409373
CollectionDate: 9/16/2014
DateReceived: 9/18/2014 10:28:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO ₃)	168	mg/L		5	SM 2320B	09/19/2014 2007	BT
Alkalinity, Bicarbonate as HCO ₃	145	mg/L		1	SM 2320B	09/19/2014 2007	BT
Alkalinity, Carbonate as CO ₃	30	mg/L		1	SM 2320B	09/19/2014 2007	BT
Chloride	4	mg/L		1	EPA 300.0	09/23/2014 500	AB
Fluoride	0.6	mg/L		0.1	SM 4500FC	09/19/2014 2007	BT
Nitrogen, Nitrate+Nitrite (as N)	0.8	mg/L		0.1	EPA 353.2	09/25/2014 1756	AMB
Sulfate	24	mg/L		1	EPA 300.0	09/23/2014 500	AB
Calcium	5	mg/L		1	EPA 200.7	09/19/2014 1546	DG
Magnesium	ND	mg/L		1	EPA 200.7	09/19/2014 1546	DG
Potassium	8	mg/L		1	EPA 200.7	09/19/2014 1546	DG
Sodium	79	mg/L		1	EPA 200.7	09/19/2014 1546	DG
Nitrogen, Ammonia (As N)	ND	mg/L		0.05	EPA 350.1	09/24/2014 1637	AMB
Silica as SiO ₂	81	mg/L		1	EPA 200.7	09/19/2014 1546	DG
General Parameters							
pH	9.2	s.u.		0.1	SM 4500 H B	09/19/2014 2007	BT
Electrical Conductivity	414	µmhos/cm		1	SM 2510B	09/19/2014 2007	BT
Total Dissolved Solids (180)	330	mg/L		10	SM 2540	09/19/2014 1132	IR
Nitrogen, Nitrite (as N)	ND	mg/L	L	0.1	EPA 353.2	09/17/2014 000	WN
Data Quality							
Cation Sum	3.85	meq/L		0.01	SM 1030E	09/30/2014 1121	JJ
Anion Sum	4.06	meq/L		0.01	SM 1030E	09/30/2014 1121	JJ
Cation-Anion Balance (± 5%)	2.72	%		0.01	SM 1030E	09/30/2014 1121	JJ
Solids, Total Dissolved (Calc)	300	mg/L		10	SM 1030E	09/30/2014 1121	JJ
Calculated TDS/TDS Ratio (0.80-1.20)	1.10	dec. %		0.01	Calculation	10/13/2014 1201	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: 11/17/2014
Report ID: S1409373001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409373-009
ClientSample ID: BOW-2010-8
COC: WEB

WorkOrder: S1409373
CollectionDate: 9/16/2014
DateReceived: 9/18/2014 10:28:00 AM
FieldSampler:
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.05	EPA 200.7	09/19/2014 1546	DG
Arsenic	0.007	mg/L		0.001	EPA 200.8	09/19/2014 437	MS
Barium	ND	mg/L		0.1	EPA 200.8	09/19/2014 437	MS
Boron	ND	mg/L		0.1	EPA 200.7	09/19/2014 1546	DG
Cadmium	ND	mg/L		0.005	EPA 200.8	09/19/2014 437	MS
Chromium	ND	mg/L		0.05	EPA 200.7	09/19/2014 1546	DG
Copper	ND	mg/L		0.01	EPA 200.8	09/19/2014 437	MS
Iron	ND	mg/L		0.05	EPA 200.7	09/19/2014 1546	DG
Lead	ND	mg/L		0.001	EPA 200.8	09/19/2014 437	MS
Manganese	ND	mg/L		0.01	EPA 200.7	09/19/2014 1546	DG
Mercury	ND	mg/L		0.001	EPA 245.1	09/24/2014 1112	BJ
Molybdenum	ND	mg/L		0.1	EPA 200.8	09/19/2014 437	MS
Nickel	ND	mg/L		0.05	EPA 200.7	09/19/2014 1546	DG
Selenium	0.001	mg/L		0.001	EPA 200.8	09/19/2014 437	MS
Uranium	0.0042	mg/L		0.0003	EPA 200.8	09/19/2014 437	MS
Uranium Activity	2.8	pCi/L		0.2	Calculation	10/13/2014 1201	WN
Vanadium	ND	mg/L		0.1	EPA 200.8	09/19/2014 437	MS
Zinc	0.04	mg/L		0.01	EPA 200.7	09/19/2014 1546	DG
Metals - Suspended							
Uranium	ND	mg/L		0.0003	EPA 200.8	10/08/2014 1920	MS
Uranium Activity	ND	pCi/L		0.2	Calculation	10/13/2014 1201	WN
Radionuclides - Dissolved							
Lead 210	ND	pCi/L		1	OTW01	10/27/2014 1039	MB
Lead 210 (Dissolved) Precision (±)	NA	pCi/L			OTW01	10/27/2014 1039	MB
Polonium 210	ND	pCi/L		1	OTW01	10/27/2014 1448	MB
Polonium 210 (Dissolved) Precision (±)	NA	pCi/L			OTW01	10/27/2014 1448	MB
Radium 226	ND	pCi/L		0.2	SM 7500 Ra-B	10/14/2014 1552	MB
Radium 226 Precision (±)	NA	pCi/L			SM 7500 Ra-B	10/14/2014 1552	MB
Thorium 230	ND	pCi/L		0.2	ACW10	10/22/2014 857	MB
Thorium 230 Precision (±)	NA	pCi/L			ACW10	10/22/2014 857	MB
Thorium 229 Tracer (30-120)	64	%			ACW10	10/22/2014 857	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 S1409373001

ProjectName: Marsland Quarterly Shallow Wells
Lab ID: S1409373-009
ClientSample ID: BOW-2010-8
COC: WEB

WorkOrder: S1409373
CollectionDate: 9/16/2014
DateReceived: 9/18/2014 10:28:00 AM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Quali, 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