



125, boul Industriel
Rouyn-Noranda (Québec) J9X 6P2
Phone: 819 797-0550
Toll Free: 1 877 326-8690
www.h2lab.ca

Certificate # : RNC13943 R3

Client # : 1093

Client Reference # : EWTP Sludge CP1

CERTIFICATE OF ANALYSIS

Agnico-Eagle CSD

20, Route 395
Cadillac
Québec J0Y 1C0

Received on:	2020/10/30
Sampled on:	2020/10/11
Matrix:	Solide
Sampling site code:	Meliadine
Customer information	Boues de traitement des eaux
Order #:	OL-906736

Samples: EWTP SLUDGE CP1

Sampler : TG

The sample's appreciation and conformity towards established norms, if applicable, is based and limited to analyzed parameters. This report can't be reproduced, unless in whole, without prior written authorization from the laboratory. The results are related only to samples submitted for testing.



JF Bouffard

Signataire Rouyn-Noranda

Certificate emission date : 2020-11-12

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RESULTS



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CERTIFICATE OF ANALYSIS

Laboratory ID		301813
Client ID		EWTP Sludge CP1
Matrix		Solide
Sampling site		Meliadine
Sampled on	unit	2020/10/11
Aluminum (Al) a 2	mg/kg	151876,8
Antimony (Sb) a 2	mg/kg	0,1
Silver (Ag) a 2	mg/kg	< 2
Arsenic (As) a 2	mg/kg	1060,30
Barium (Ba) a 2	mg/kg	198,95
Beryllium (Be) 2	mg/kg	0,1
Bismuth (Bi) 2	mg/kg	0,4
Boron (B) 2	mg/kg	< 0,01
Cadmium (Cd) a 2	mg/kg	0,779
Calcium (Ca) a 2	mg/kg	15791
Chromium (Cr) a 2	mg/kg	29,07
Cobalt (Co) a 2	mg/kg	11,88
Copper (Cu) a 2	mg/kg	69
Tin (Sn) a 2	mg/kg	4,18
Iron (Fe) 2	mg/kg	18794,5



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Laboratory ID		301813
Client ID		EWTP Sludge CP1
Matrix		Solide
Sampling site		Meliadine
Sampled on	unit	2020/10/11
Magnesium (Mg) a 2	mg/kg	5209,4
Manganese (Mn) a 2	mg/kg	3112,31
Molybdenum (Mo) a 2	mg/kg	2,90
Nickel (Ni) a 2	mg/kg	48,73
Lead (Pb) a 2	mg/kg	114,11
Potassium (K) a 2	mg/kg	1532,8
Selenium (Se) a 2	mg/kg	0,89
Silicon (Si) 2	mg/kg	2847,0
Sodium (Na) 2	mg/kg	1344
Tellurium (Te) 2	mg/kg	1,9
Titanium (Ti) 2	mg/kg	274,23
Uranium (U) 2	mg/kg	24
Vanadium (V) 2	mg/kg	24,9
Zinc (Zn) a 2	mg/kg	224,94
Mercury (Hg) a 2	mg/kg	0,11



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Laboratory ID		301813
Client ID		EWTP Sludge CP1
Matrix		Solide
Sampling site		Meliadine
Sampled on	unit	2020/10/11
Total phosphorus (P tot) 2	mg/kg P	4162
Total Sulfur a 2	mg/kg	5998



CERTIFICATE OF ANALYSIS

Quality control

Parameter (method)	*LDR	Unit	Blank	Standard				Duplicate		Analyzed on
				Name	Value	Expected	Interval	#1	#2	
Mercury (Hg) (H2Lab-HG-211) a	0,01	mg/kg	--	--	--	--	--	--	--	2020-11-02
Aluminum (Al) (H2Lab-MET-212) a	0,6	mg/kg	< 0,6	D105	10020,1	8800	[7480,0,10120,0]	--	--	2020-11-11
Antimony (Sb) (H2Lab-MET-212) a	0,1	mg/kg	< 0,1	D105	[125,0 - 169,0]	147	[124,9,169,1]	--	--	2020-11-11
Silver (Ag) (H2Lab-MET-212) a	2	mg/kg	< 2	D105	37	34.3	[29,39]	--	--	2020-11-11
Arsenic (As) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	164,39	143	[110,82,175,18]	--	--	2020-11-11
Barium (Ba) (H2Lab-MET-212) a	0,01	mg/kg	< 0,01	D105	452,67	415	[352,75,477,25]	--	--	2020-11-11
Beryllium (Be) (H2Lab-MET-212) 2	0,1	mg/kg	< 0,1	D105	188,5	179	[152,1,205,9]	--	--	2020-11-11
Bismuth (Bi) (H2Lab-MET-212) 2	0,1	mg/kg	< 0,1	--	--	--	--	--	--	2020-11-11
Boron (B) (H2Lab-MET-212) 2	0,01	mg/kg	< 0,01	D105	[124,00 - 196,00]	160	[124,00,196,00]	--	--	2020-11-11
Cadmium (Cd) (H2Lab-MET-212) a	0,005	mg/kg	< 0,005	D105	57,902	56.2	[43,555,68,845]	--	--	2020-11-11
Calcium (Ca) (H2Lab-MET-212) a	1	mg/kg	< 1	D105	5631	4960	[3844,6076]	--	--	2020-11-11
Chromium (Cr) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	97,87	101	[85,85,116,15]	--	--	2020-11-11
Cobalt (Co) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	170,78	189	[160,65,217,35]	--	--	2020-11-11
Copper (Cu) (H2Lab-MET-212) a	5	mg/kg	< 5	D105	63	63.1	[54,73]	--	--	2020-11-11
Tin (Sn) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	113,31	107	[90,95,123,05]	--	--	2020-11-11



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Parameter (method)	*LDR	Unit	Blank	Standard				Duplicate		Analyzed on
				Name	Value	Expected	Interval	#1	#2	
Iron (Fe) (H2Lab-MET-212) 2	0,5	mg/kg	< 0,5	D105	[12167,5 - 19232,5]	15700	[12167,5,19232,5]	--	--	2020-11-11
Magnesium (Mg) (H2Lab-MET-212) a	0,5	mg/kg	< 0,5	D105	2590,3	2410	[1867,8,2952,2]	--	--	2020-11-11
Manganese (Mn) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	416,42	382	[296,05,467,95]	--	--	2020-11-11
Molybdenum (Mo) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	122,14	107	[82,93,131,07]	--	--	2020-11-11
Nickel (Ni) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	122,10	108	[83,70,132,30]	--	--	2020-11-11
Lead (Pb) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	129,02	125	[96,88,153,12]	--	--	2020-11-11
Potassium (K) (H2Lab-MET-212) a	0,5	mg/kg	< 0,5	D105	2189,5	2110	[1793,5,2426,5]	--	--	2020-11-11
Selenium (Se) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	88,84	77.9	[66,22,89,58]	--	--	2020-11-11
Silicon (Si) (H2Lab-MET-212) 2	0,1	mg/kg	< 0,1	--	--	--	--	--	--	2020-11-11
Sodium (Na) (H2Lab-MET-212) 2	1	mg/kg	< 1	D105	124	145	[123,167]	--	--	2020-11-11
Tellurium (Te) (H2Lab-MET-212) 2	0,1	mg/kg	< 0,1	--	--	--	--	--	--	2020-11-11
Titanium (Ti) (H2Lab-MET-212) 2	0,01	mg/kg	< 0,01	D105	[326,27 - 515,72]	421	[326,27,515,72]	--	--	2020-11-11
Uranium (U) (H2Lab-MET-212) 2	1	mg/kg	< 1	D105	106	104	[88,120]	--	--	2020-11-11
Vanadium (V) (H2Lab-MET-212) 2	0,1	mg/kg	< 0,1	D105	[71,1 - 96,3]	83.7	[71,1,96,3]	--	--	2020-11-11
Zinc (Zn) (H2Lab-MET-212) a	0,05	mg/kg	< 0,05	D105	263,58	240	[204,00,276,00]	--	--	2020-11-11
Total Sulfur (H2Lab-SOUF-211) a	30	mg/kg	< 30	KZk-1-1638	8080	8000	[6200,9800]	--	--	2020-10-31
Total phosphorus (P tot) (M-MET-4.0) 2	10	mg/kg P	< 10	IBS27-3-Nut	12159	12800	[10880,14720]	--	--	2020-11-06

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CERTIFICATE OF ANALYSIS

Legend :

a : Accredited parameter 2 : analysis made by H2Lab Laboratory at Rouyn-Noranda *LDR : Limit of detection reported

Remarks :

v3

V2

This revision replaces RNC13943 R2 and cancels any previous certificates.

The sample's appreciation and conformity towards established norms, if applicable, is based and limited to analyzed parameters. This report can't be reproduced, unless in whole, without prior written authorization from the laboratory. The results are related only to samples submitted for testing.

END OF CERTIFICATE