

Analytical Environmental Services, Inc

Date: 8-Jun-20

Client: Copperhill Industries LLC	Client Sample ID: POT SLAG-01 (4 JARS, 16OZ T
Project Name: Slag TCLP	Collection Date: 5/22/2020 3:00:00 PM
Lab ID: 2005U40-001	Matrix: Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MERCURY, TCLP SW1311/7470A								
Mercury	BRL	0.00400		mg/L	298119	1	06/05/2020 19:10	MM
ICP METALS, TCLP SW1311/6010D								
Arsenic	BRL	0.250		mg/L	298050	1	06/04/2020 16:26	KB
Barium	BRL	0.500		mg/L	298050	1	06/04/2020 16:26	KB
Cadmium	BRL	0.0250		mg/L	298050	1	06/04/2020 16:26	KB
Chromium	BRL	0.0500		mg/L	298050	1	06/04/2020 16:26	KB
Lead	BRL	0.0500		mg/L	298050	1	06/04/2020 16:26	KB
Selenium	BRL	0.100		mg/L	298050	1	06/04/2020 16:26	KB
Silver	BRL	0.0250		mg/L	298050	1	06/04/2020 16:26	KB

Results Activation Laboratories Ltd. Report: A20-05746

Analyte Symbol	Fe (Total)	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	30.0	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10
Method Code	TITR	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
POT SLAG-01	31.4	2.03	8	< 10	198	< 3	< 2	5.30	4	32.5	105	70	1.7	3850	2.3	1.3	1.5	> 30.0	13.9	2.2	0.7	0.5	< 10
GABBRO	< 30.0	8.51	< 5	< 10	1570	< 3	< 2	0.74	< 2	1.19	31.4	190	2.5	1030	8.8	5.3	2.2	10.8	28.4	10.0	1.7	1.7	< 10

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Analyte Symbol	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sr	Ta	Tb	Te	
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	8	0.01	0.1	0.5	3	0.2	0.1	6
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	
POT SLAG-01	3.8	0.4	13.8	14	1.39	3100	6	3.5	14.4	20	83.9	4.0	21.1	1.10	< 2	< 8	17.3	2.2	10.5	202	0.5	0.5	< 6
GABBRO	1.7	3.5	58.9	27	1.70	1350	7	18.2	61.3	30	76.3	15.3	135	0.22	< 2	< 8	24.3	10.7	8.8	93	1.4	1.6	< 6

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Analyte Symbol	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
POT SLAG-01	3.4	0.12	0.8	0.2	2.2	31	4.1	12.6	1.0	9570
GABBRO	13.3	0.50	1.1	0.8	3.8	83	8.3	50.0	4.1	2990