

Appendix VI
Part A: Till Geochemistry, <0.002 mm, ICP-AES

Note:

Sample preparation: centrifugation and decantation

Analytical extraction: Aqua Regia (HCL-HNO₃, 3:1)

Analytical method: Inductively Coupled Plasma - Atomic Emission Spectrometry,
 Hg by Cold Vapor - Atomic Absorption Spectrometry if given in ppb

Laboratory: Chemex Ltd.

Detection Limits:

Element	Detection limit	Element	Detection limit
Ag (ppm)	0.2	Mg (%)	0.01
Al (%)	0.01	Mn (ppm)	5
As (ppm)	2	Mo (ppm)	1
B (ppm)	10	Na (%)	0.01
Ba (ppm)	10	Ni (ppm)	1
Be (ppm)	0.5		
Bi (ppm)	2	Pb (ppm)	2
Ca (%)	0.01	S (%)	0.01
Cd (ppm)	0.5	Sb (ppm)	2
Co (ppm)	1	Sc (ppm)	1
Cr (ppm)	1	Sr (ppm)	1
Cu (ppm)	1	Ti (%)	0.01
Fe (%)	0.01	Tl (ppm)	10
Ga (ppm)	10	U (ppm)	10
Hg (ppm)	1	V (ppm)	1
Hg (ppb)	10	W (ppm)	10
K (%)	0.01	Zn (ppm)	2
La (ppm)	10		

Appendix VI
Part B: Till Geochemical Plots and Statistics, <0.002 mm
ICP-AES, Aqua Regia Leach