

Appendix B Whole rock geochemistry data
from 2008 and 2009 field seasons

Analyte Symbol		CO ₂	Total S	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃ (T)	MnO	MgO
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.01	0.01	0.001	0.01
Analysis Method		COUL	IR	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
MD01-01	Upper Rhyolite	1.65	0.01	71.29	11.69	4.71	0.047	1.59
MD01-02	Upper Rhyolite	0.66	0.07	65.68	14.74	8.21	0.13	1.45
MD01-03	Upper Rhyolite	0.71	0.03	75.4	11.59	4.09	0.075	0.57
MD01-05	Upper Rhyolite	0.08	0.05	71.59	12.26	6.86	0.11	1.67
MD01-08	High-Ti Rhyolite	0.19	0.01	80.99	9.88	2.43	0.036	0.23
MD01-10	High-Ti Rhyolite	1.19	< 0.01	71.04	13.42	4.45	0.065	0.97
MD01-11	High-Ti Rhyolite	1.3	< 0.01	76.17	10.52	3.12	0.038	0.63
MD01-12	MacDiarmid dacite	1.49	< 0.01	69.2	13.31	4.4	0.073	0.57
MD01-13	Low-Ti rhyolite	2.41	0.1	75.55	9.9	2.88	0.07	0.3
MD01-15	Intrusion	10.1	< 0.01	41.03	14.21	10.85	0.252	4.09
MD01-17	MacDiarmid dacite	1.18	0.04	70.11	12.91	5.95	0.087	0.96
MD01-20	MacDiarmid dacite	< 0.01	0.09	61.43	11.91	8.17	0.1	2.44
MD01-21	MacDiarmid dacite	0.57	0.04	66.19	13.76	6.15	0.092	3.16
MD01-23	Hébécourt Basalt	3.36	0.06	50.39	14.95	10.11	0.175	8.4
MD01-27	Hébécourt Basalt	0.75	0.05	52.34	14.68	9.44	0.159	7.67
MD01-28	Hébécourt Basalt	0.1	0.03	51.47	14.59	9.45	0.157	7.54
MD01-30	Reneault-Dufresnoy Formation	0.36	< 0.01	53.28	15.99	8.62	0.15	5.65
MD01-31	Reneault-Dufresnoy Formation	0.15	0.02	54.95	16.44	8.86	0.153	5.73
MD01-32	Intrusion	0.26	0.1	49.18	16.74	8.86	0.179	6.94
HEB02-01	Reneault-Dufresnoy Formation	0.13	0.11	56.35	18.68	7.05	0.102	3.3
HEB02-02	Reneault-Dufresnoy Formation	7.14	0.34	50.61	13.15	8.34	0.164	2.77
HEB02-03	Reneault-Dufresnoy Formation	5.42	0.12	52.47	14.49	8.08	0.153	4.06
HEB02-04	Upper Rhyolite	4.33	0.53	68.6	10.56	4.65	0.096	1.17
HEB02-05	Upper Rhyolite	0.69	0.05	76.29	10.81	3.57	0.038	2.31
HEB02-06	Upper Rhyolite	1.14	0.15	74.58	10.94	4.38	0.049	1.36
HEB02-07	Hébécourt basaltic andesite	0.17	0.04	58.66	13.97	7.89	0.122	5.32
HEB02-08	Hébécourt basaltic andesite	0.43	0.13	56.14	13.47	9.51	0.158	5.49
HEB02-12	Hébécourt basaltic andesite	0.23	0.06	55.74	13.41	10.86	0.147	5.15
HEB02-13	Intrusion	1.09	0.05	46.75	19.62	7.9	0.56	5.7
HEB02-14	Low-Ti rhyolite	0.01	0.21	77.52	10.77	5.32	0.147	1.48
HEB02-15	Low-Ti rhyolite	< 0.01	0.01	77.36	11.01	5.42	0.045	1.28
HEB02-16	Low-Ti rhyolite	0.01	0.02	80.3	10.79	2.18	0.021	0.51
HEB02-17	Low-Ti rhyolite	0.01	0.01	74.08	10.9	3.61	0.054	3.81
HEB02-19	Low-Ti rhyolite	1.03	0.01	76.05	10.4	3.78	0.049	0.33

Analyte Symbol		CaO	Na2O	K2O	TiO2	P2O5	LOI	Total
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.001	0.01		0.01
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
MD01-01	Upper Rhyolite	2.92	3.06	1.14	0.429	0.07	3.26	100.2
MD01-02	Upper Rhyolite	1.58	0.52	4.4	0.654	0.18	3.05	100.6
MD01-03	Upper Rhyolite	1.92	4.91	0.74	0.504	0.14	1.22	101.2
MD01-05	Upper Rhyolite	0.83	4.24	0.71	0.516	0.16	1.7	100.7
MD01-08	High-Ti Rhyolite	0.64	3.55	2.47	0.173	0.03	0.45	100.9
MD01-10	High-Ti Rhyolite	1.55	1.51	3.3	0.216	0.02	3.03	99.57
MD01-11	High-Ti Rhyolite	1.74	2.76	1.59	0.171	0.03	2.37	99.14
MD01-12	MacDiarmid dacite	2.56	3.15	2.23	0.51	0.12	2.88	98.99
MD01-13	Low-Ti rhyolite	3.14	1.63	2	0.159	0.02	3.44	99.09
MD01-15	Intrusion	12.19	0.13	2.51	0.937	0.06	13.44	99.7
MD01-17	MacDiarmid dacite	1.64	3.76	1.34	0.29	0.09	2.6	99.74
MD01-20	MacDiarmid dacite	6.63	1.08	1.57	0.851	0.13	6.03	100.3
MD01-21	MacDiarmid dacite	2.29	5.2	0.04	1.054	0.16	2.57	100.7
MD01-23	Hébécourt Basalt	7.13	3.47	0.14	0.808	0.06	4.42	100.1
MD01-27	Hébécourt Basalt	8.84	1.88	1.19	0.757	0.06	3.29	100.3
MD01-28	Hébécourt Basalt	8.87	1.82	1.19	0.765	0.06	3.89	99.79
MD01-30	Reneault-Dufresnoy Formation	5.59	3.68	0.37	0.803	0.12	4.38	98.63
MD01-31	Reneault-Dufresnoy Formation	5.62	3.89	0.45	0.807	0.12	3.44	100.5
MD01-32	Intrusion	10.82	2.78	0.04	0.81	0.05	4.16	100.5
HEB02-01	Reneault-Dufresnoy Formation	6.52	4.77	0.33	1.358	0.25	2.54	101.2
HEB02-02	Reneault-Dufresnoy Formation	10.03	3.97	0.41	1.188	0.1	8.79	99.51
HEB02-03	Reneault-Dufresnoy Formation	7.87	4.28	0.27	1.235	0.13	7.93	101
HEB02-04	Upper Rhyolite	5.53	3.4	0.7	0.309	0.04	5.38	100.4
HEB02-05	Upper Rhyolite	1	3.67	0.5	0.316	0.05	2.29	100.8
HEB02-06	Upper Rhyolite	1.77	3.04	1.06	0.331	0.06	2.51	100.1
HEB02-07	Hébécourt basaltic andesite	8.24	3.25	0.05	0.875	0.1	2.24	100.7
HEB02-08	Hébécourt basaltic andesite	7.94	2.81	0.05	0.978	0.11	2.87	99.53
HEB02-12	Hébécourt basaltic andesite	9.67	1.74	0.03	0.982	0.1	2.55	100.4
HEB02-13	Intrusion	9.76	2.18	0.89	0.61	0.04	4.78	98.78
HEB02-14	Low-Ti rhyolite	0.29	0.06	2.47	0.137	0.02	2.22	100.4
HEB02-15	Low-Ti rhyolite	0.22	0.14	2.44	0.145	0.03	2.28	100.4
HEB02-16	Low-Ti rhyolite	0.91	4.63	0.3	0.135	0.03	0.53	100.4
HEB02-17	Low-Ti rhyolite	0.37	1.9	1.3	0.155	0.03	2.4	98.6
HEB02-19	Low-Ti rhyolite	1.85	3.38	0.63	0.139	0.02	1.9	98.53

Analyte Symbol		Sc	Be	V	Sr	Ba	Ag	Cd
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	1	5	2	3	1	0.2
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-MS	TD-MS
MD01-01	Upper Rhyolite	8	2	36	80	242	< 1	< 0.2
MD01-02	Upper Rhyolite	13	4	14	28	694	< 1	0.2
MD01-03	Upper Rhyolite	10	2	8	59	149	< 1	< 0.2
MD01-05	Upper Rhyolite	11	3	13	32	157	< 1	0.2
MD01-08	High-Ti Rhyolite	2	2	< 5	68	666	< 1	0.4
MD01-10	High-Ti Rhyolite	3	3	< 5	109	522	< 1	0.4
MD01-11	High-Ti Rhyolite	2	2	< 5	41	301	< 1	< 0.2
MD01-12	MacDiarmid dacite	14	1	12	66	293	< 1	< 0.2
MD01-13	Low-Ti rhyolite	2	2	< 5	67	186	< 1	0.5
MD01-15	Intrusion	33	2	372	114	371	< 1	< 0.2
MD01-17	MacDiarmid dacite	19	1	< 5	47	193	< 1	< 0.2
MD01-20	MacDiarmid dacite	22	2	157	69	289	< 1	< 0.2
MD01-21	MacDiarmid dacite	27	1	188	43	74	< 1	< 0.2
MD01-23	Hébécourt Basalt	40	1	284	93	99	< 1	< 0.2
MD01-27	Hébécourt Basalt	37	1	264	136	313	< 1	< 0.2
MD01-28	Hébécourt Basalt	38	< 1	267	134	304	< 1	< 0.2
MD01-30	Reneault-Dufresnoy Formation	21	1	186	205	219	< 1	< 0.2
MD01-31	Reneault-Dufresnoy Formation	22	1	192	211	228	< 1	< 0.2
MD01-32	Intrusion	41	< 1	283	117	21	< 1	< 0.2
HEB02-01	Reneault-Dufresnoy Formation	30	1	222	245	142	< 1	< 0.2
HEB02-02	Reneault-Dufresnoy Formation	37	1	404	55	101	< 1	< 0.2
HEB02-03	Reneault-Dufresnoy Formation	37	1	383	120	89	< 1	< 0.2
HEB02-04	Upper Rhyolite	5	2	14	104	172	< 1	0.4
HEB02-05	Upper Rhyolite	6	2	19	44	95	< 1	< 0.2
HEB02-06	Upper Rhyolite	6	2	25	49	205	< 1	< 0.2
HEB02-07	Hébécourt basaltic andesite	33	1	235	86	94	< 1	< 0.2
HEB02-08	Hébécourt basaltic andesite	36	2	273	94	43	< 1	< 0.2
HEB02-12	Hébécourt basaltic andesite	36	1	276	107	45	< 1	< 0.2
HEB02-13	Intrusion	31	1	222	162	427	< 1	< 0.2
HEB02-14	Low-Ti rhyolite	1	2	< 5	10	376	< 1	6.2
HEB02-15	Low-Ti rhyolite	< 1	2	< 5	10	579	< 1	0.7
HEB02-16	Low-Ti rhyolite	1	3	< 5	170	101	< 1	< 0.2
HEB02-17	Low-Ti rhyolite	2	2	6	30	512	< 1	< 0.2
HEB02-19	Low-Ti rhyolite	1	3	< 5	64	80	< 1	< 0.2

Analyte Symbol		Co	Cr	Cu	In	Li	Ni	Mn	Mo
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.5	1	0.5	0.2	1	1	2	1
Analysis Method		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
MD01-01	Upper Rhyolite	4.3	73	4.2	< 0.2	8	10	259	2
MD01-02	Upper Rhyolite	4.5	14	4.3	0.4	7	2	888	2
MD01-03	Upper Rhyolite	2.6	45	26	0.2	5	3	501	2
MD01-05	Upper Rhyolite	4.5	15	11.6	0.3	6	2	760	2
MD01-08	High-Ti Rhyolite	1	92	24.2	0.2	3	6	223	6
MD01-10	High-Ti Rhyolite	< 0.5	19	6.6	0.4	8	3	512	2
MD01-11	High-Ti Rhyolite	0.5	119	21.5	0.3	5	4	252	3
MD01-12	MacDiarmid dacite	< 0.5	17	4.1	0.3	3	2	253	1
MD01-13	Low-Ti rhyolite	< 0.5	37	4.5	0.3	4	2	495	3
MD01-15	Intrusion	28.4	106	91.9	< 0.2	28	39	1940	1
MD01-17	MacDiarmid dacite	0.9	18	1.7	< 0.2	6	2	620	1
MD01-20	MacDiarmid dacite	16	42	38.7	< 0.2	8	18	708	< 1
MD01-21	MacDiarmid dacite	17.4	46	41.1	< 0.2	10	20	638	< 1
MD01-23	Hébécourt Basalt	49	241	105	< 0.2	17	109	1350	< 1
MD01-27	Hébécourt Basalt	42.8	208	89	< 0.2	12	103	1190	1
MD01-28	Hébécourt Basalt	31	58	94.5	< 0.2	15	17	1290	< 1
MD01-30	Reneault-Dufresnoy Formation	33.5	97	66.3	< 0.2	14	57	1130	1
MD01-31	Reneault-Dufresnoy Formation	31.2	92	54.1	< 0.2	13	116	1160	1
MD01-32	Intrusion	53.3	255	104	< 0.2	12	192	1360	1
HEB02-01	Reneault-Dufresnoy Formation	41.3	190	71.3	< 0.2	9	139	720	< 1
HEB02-02	Reneault-Dufresnoy Formation	32.8	30	85.4	< 0.2	12	29	1150	< 1
HEB02-03	Reneault-Dufresnoy Formation	33.8	44	114	< 0.2	19	33	1160	< 1
HEB02-04	Upper Rhyolite	6.4	67	33.9	0.2	8	7	678	1
HEB02-05	Upper Rhyolite	3.4	36	24	< 0.2	11	7	244	2
HEB02-06	Upper Rhyolite	5.5	24	12.4	0.2	7	6	308	2
HEB02-07	Hébécourt basaltic andesite	32.2	76	59.6	< 0.2	9	62	894	1
HEB02-08	Hébécourt basaltic andesite	39.2	64	85.1	< 0.2	9	64	1210	< 1
HEB02-12	Hébécourt basaltic andesite	34.4	101	79.2	< 0.2	7	58	1050	< 1
HEB02-13	Intrusion	39.2	249	89.7	< 0.2	13	162	3790	< 1
HEB02-14	Low-Ti rhyolite	0.7	26	112	1	8	2	946	12
HEB02-15	Low-Ti rhyolite	0.8	21	54.3	0.8	10	2	279	2
HEB02-16	Low-Ti rhyolite	< 0.5	55	2.3	< 0.2	4	3	131	3
HEB02-17	Low-Ti rhyolite	2.7	27	2.6	< 0.2	21	4	340	2
HEB02-19	Low-Ti rhyolite	< 0.5	26	6.8	0.2	8	3	296	3

Analyte Symbol		Pb	Zn	Cr	Co	Ni	Cu	Zn
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	20	1	20	10	30
Analysis Method		TD-MS	TD-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
MD01-01	Upper Rhyolite	< 2	27.5	100	5	< 20	< 10	60
MD01-02	Upper Rhyolite	5	186	< 20	6	< 20	< 10	210
MD01-03	Upper Rhyolite	2	54	60	3	< 20	20	90
MD01-05	Upper Rhyolite	2	146	< 20	5	< 20	10	140
MD01-08	High-Ti Rhyolite	2	164	120	1	< 20	< 10	180
MD01-10	High-Ti Rhyolite	3	284	20	< 1	< 20	< 10	250
MD01-11	High-Ti Rhyolite	< 2	108	40	< 1	< 20	20	80
MD01-12	MacDiarmid dacite	2	71.8	< 20	< 1	< 20	< 10	90
MD01-13	Low-Ti rhyolite	2	235	40	< 1	< 20	< 10	210
MD01-15	Intrusion	< 2	150	100	30	< 20	90	220
MD01-17	MacDiarmid dacite	< 2	78.9	< 20	< 1	< 20	< 10	100
MD01-20	MacDiarmid dacite	< 2	66.9	50	19	< 20	40	120
MD01-21	MacDiarmid dacite	< 2	74.5	50	20	< 20	40	140
MD01-23	Hébécourt Basalt	< 2	157	310	58	70	120	130
MD01-27	Hébécourt Basalt	< 2	58	230	45	100	90	100
MD01-28	Hébécourt Basalt	< 2	68.7	240	47	90	100	100
MD01-30	Reneault-Dufresnoy Formation	< 2	55.2	120	33	100	50	110
MD01-31	Reneault-Dufresnoy Formation	2	53.7	130	38	90	60	110
MD01-32	Intrusion	< 2	64.3	420	62	230	120	110
HEB02-01	Reneault-Dufresnoy Formation	2	74	230	53	150	80	140
HEB02-02	Reneault-Dufresnoy Formation	2	91.3	40	41	< 20	90	180
HEB02-03	Reneault-Dufresnoy Formation	< 2	87.6	50	37	< 20	110	150
HEB02-04	Upper Rhyolite	3	115	< 20	7	< 20	30	150
HEB02-05	Upper Rhyolite	4	51	40	4	< 20	30	60
HEB02-06	Upper Rhyolite	2	54.9	30	7	< 20	10	70
HEB02-07	Hébécourt basaltic andesite	< 2	74.4	130	26	30	40	50
HEB02-08	Hébécourt basaltic andesite	2	81	100	45	50	90	140
HEB02-12	Hébécourt basaltic andesite	< 2	80	110	43	40	90	150
HEB02-13	Intrusion	2	88	490	54	240	110	150
HEB02-14	Low-Ti rhyolite	< 2	2780	30	1	< 20	130	3030
HEB02-15	Low-Ti rhyolite	< 2	296	< 20	< 1	< 20	60	380
HEB02-16	Low-Ti rhyolite	< 2	23.7	70	< 1	< 20	< 10	30
HEB02-17	Low-Ti rhyolite	< 2	74.5	30	3	< 20	< 10	90
HEB02-19	Low-Ti rhyolite	2	51.1	40	< 1	< 20	10	70

Analyte Symbol		Ga	Ge	As	Rb	Y	Zr	Nb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	0.5	5	1	0.5	1	0.2
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
MD01-01	Upper Rhyolite	28	2.6	< 5	23	197	497	21.6
MD01-02	Upper Rhyolite	44	3.2	< 5	126	320	828	39.5
MD01-03	Upper Rhyolite	25	2.6	< 5	8	211	614	28.5
MD01-05	Upper Rhyolite	36	3	8	17	307	686	33.6
MD01-08	High-Ti Rhyolite	23	2.2	< 5	38	154	453	21.3
MD01-10	High-Ti Rhyolite	35	3.4	< 5	106	178	570	29.6
MD01-11	High-Ti Rhyolite	24	2.3	< 5	41	182	441	21.3
MD01-12	MacDiarmid dacite	28	3.2	< 5	71	189	448	22.4
MD01-13	Low-Ti rhyolite	22	2.4	< 5	50	158	404	19.6
MD01-15	Intrusion	14	2.2	< 5	66	12.3	39	1.8
MD01-17	MacDiarmid dacite	20	2.4	< 5	34	37.9	125	4.5
MD01-20	MacDiarmid dacite	26	2.3	< 5	44	130	344	16.2
MD01-21	MacDiarmid dacite	24	1.9	< 5	< 1	143	379	16.4
MD01-23	Hébécourt Basalt	17	2.3	< 5	2	31.7	78	3.1
MD01-27	Hébécourt Basalt	15	2.3	< 5	64	34.4	85	3.6
MD01-28	Hébécourt Basalt	15	2.2	< 5	66	35.7	89	3.7
MD01-30	Reneault-Dufresnoy Formation	16	1.8	< 5	13	19.4	107	4.2
MD01-31	Reneault-Dufresnoy Formation	18	2	< 5	13	19.8	110	4.6
MD01-32	Intrusion	17	2.7	6	1	17.3	42	1.5
HEB02-01	Reneault-Dufresnoy Formation	17	1.7	< 5	9	25.7	138	7.1
HEB02-02	Reneault-Dufresnoy Formation	16	1.9	< 5	10	22.1	90	3
HEB02-03	Reneault-Dufresnoy Formation	17	3	13	5	24.8	84	4.1
HEB02-04	Upper Rhyolite	26	2.8	5	15	206	476	26.9
HEB02-05	Upper Rhyolite	27	2.5	< 5	12	207	491	23.7
HEB02-06	Upper Rhyolite	30	2.4	< 5	24	214	507	25
HEB02-07	Hébécourt basaltic andesite	17	1.5	< 5	4	76.7	199	8.3
HEB02-08	Hébécourt basaltic andesite	20	2.9	8	1	74	189	8
HEB02-12	Hébécourt basaltic andesite	21	2.8	< 5	< 1	71.9	181	7.7
HEB02-13	Intrusion	17	2.6	< 5	17	17.6	34	1.3
HEB02-14	Low-Ti rhyolite	33	2	< 5	43	219	441	29
HEB02-15	Low-Ti rhyolite	33	2.4	< 5	38	137	413	28.6
HEB02-16	Low-Ti rhyolite	27	2.5	< 5	5	155	408	25.5
HEB02-17	Low-Ti rhyolite	33	2.2	< 5	29	187	435	26.7
HEB02-19	Low-Ti rhyolite	28	3.2	< 5	16	270	452	27.2

Analyte Symbol		Mo	Ag	In	Sn	Sb	Cs	La
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	0.1	1	0.2	0.1	0.05
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
MD01-01	Upper Rhyolite	3	< 0.5	< 0.1	3	4.7	0.5	33.1
MD01-02	Upper Rhyolite	2	< 0.5	0.3	6	4.3	1.7	40.7
MD01-03	Upper Rhyolite	4	< 0.5	0.1	3	6.9	0.1	24.5
MD01-05	Upper Rhyolite	2	< 0.5	0.2	6	7.3	0.2	43.4
MD01-08	High-Ti Rhyolite	9	< 0.5	0.2	4	6.6	0.2	21.2
MD01-10	High-Ti Rhyolite	< 2	< 0.5	0.2	5	5.7	1.6	36.1
MD01-11	High-Ti Rhyolite	4	< 0.5	0.2	5	6.7	0.7	30
MD01-12	MacDiarmid dacite	3	< 0.5	0.2	5	7.8	1.2	32.7
MD01-13	Low-Ti rhyolite	3	< 0.5	0.2	3	4.5	0.7	30.3
MD01-15	Intrusion	< 2	< 0.5	< 0.1	< 1	5.8	1.4	4.15
MD01-17	MacDiarmid dacite	< 2	< 0.5	< 0.1	< 1	5.7	0.6	8.13
MD01-20	MacDiarmid dacite	< 2	< 0.5	< 0.1	3	5.4	1	19.1
MD01-21	MacDiarmid dacite	< 2	< 0.5	0.1	3	6.6	0.1	23.8
MD01-23	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	5.6	0.2	4.31
MD01-27	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	6.7	0.9	5.41
MD01-28	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	6.7	1	5.59
MD01-30	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	7.3	0.4	11.7
MD01-31	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	6	0.4	11.6
MD01-32	Intrusion	< 2	< 0.5	< 0.1	< 1	8.8	0.1	2.17
HEB02-01	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	7.8	0.2	17.8
HEB02-02	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	7.1	0.2	4.61
HEB02-03	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	7.2	0.2	9.47
HEB02-04	Upper Rhyolite	< 2	< 0.5	0.1	3	8	0.3	38.3
HEB02-05	Upper Rhyolite	4	< 0.5	0.1	3	5.1	0.3	41.4
HEB02-06	Upper Rhyolite	3	< 0.5	0.1	4	6.7	0.4	40.2
HEB02-07	Hébécourt basaltic andesite	< 2	< 0.5	< 0.1	< 1	3.1	0.3	13.9
HEB02-08	Hébécourt basaltic andesite	< 2	< 0.5	< 0.1	1	7	0.2	12.6
HEB02-12	Hébécourt basaltic andesite	3	< 0.5	< 0.1	1	6.6	0.2	11.8
HEB02-13	Intrusion	< 2	< 0.5	< 0.1	< 1	5.8	0.6	2.24
HEB02-14	Low-Ti rhyolite	16	< 0.5	0.8	25	4.7	0.8	21.9
HEB02-15	Low-Ti rhyolite	< 2	< 0.5	0.6	10	7.3	0.7	22.5
HEB02-16	Low-Ti rhyolite	6	< 0.5	< 0.1	2	5.2	0.1	35.3
HEB02-17	Low-Ti rhyolite	3	< 0.5	< 0.1	3	6.1	0.6	23.2
HEB02-19	Low-Ti rhyolite	5	< 0.5	0.1	4	7.5	0.2	64.8

Analyte Symbol		Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.05	0.01	0.05	0.01	0.005	0.01	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
MD01-01	Upper Rhyolite	90.2	12.7	64	19.7	4.51	27.8	4.97
MD01-02	Upper Rhyolite	123	20.7	104	31.7	6.39	43.7	7.47
MD01-03	Upper Rhyolite	80.2	12.8	71.3	23.3	5.73	32.5	5.73
MD01-05	Upper Rhyolite	123	20	97.1	28.8	6.39	39.5	7
MD01-08	High-Ti Rhyolite	61.9	10.2	50.8	15.3	3.13	21	3.79
MD01-10	High-Ti Rhyolite	101	16.2	76	21.9	4.91	28	4.82
MD01-11	High-Ti Rhyolite	80.5	11.3	57.1	17.4	4.01	24.9	4.49
MD01-12	MacDiarmid dacite	87.5	12.3	61.4	18.7	4.2	25.9	4.72
MD01-13	Low-Ti rhyolite	80.6	11.3	56.1	16.9	3.92	22.7	3.98
MD01-15	Intrusion	9.37	1.21	5.83	1.7	0.788	2.19	0.34
MD01-17	MacDiarmid dacite	20.8	2.76	13.1	3.91	1.33	5.44	0.95
MD01-20	MacDiarmid dacite	54.3	8.99	44.3	13.1	3.17	18	3.06
MD01-21	MacDiarmid dacite	65.4	9.41	48.5	15.1	4.18	21.8	3.8
MD01-23	Hébécourt Basalt	11.6	1.92	9.76	3.01	0.908	4.39	0.76
MD01-27	Hébécourt Basalt	14.7	2.07	10.8	3.38	0.973	4.92	0.88
MD01-28	Hébécourt Basalt	15.1	2.14	11	3.45	1	5.13	0.91
MD01-30	Reneault-Dufresnoy Formation	25.4	2.9	11.9	2.86	0.846	3.26	0.53
MD01-31	Reneault-Dufresnoy Formation	25.6	3.33	12.5	2.97	0.899	3.29	0.54
MD01-32	Intrusion	6.21	0.88	4.64	1.64	0.712	2.41	0.43
HEB02-01	Reneault-Dufresnoy Formation	45.6	5.49	22	5.25	1.56	5.14	0.76
HEB02-02	Reneault-Dufresnoy Formation	12.3	1.98	9.1	2.54	0.879	3.31	0.57
HEB02-03	Reneault-Dufresnoy Formation	23.2	2.76	12	3.21	1.49	3.77	0.63
HEB02-04	Upper Rhyolite	101	15.8	73.4	21.1	4.57	28	5.02
HEB02-05	Upper Rhyolite	103	13.5	68.9	21.3	4.15	27.9	4.97
HEB02-06	Upper Rhyolite	107	14.4	72.6	22.5	4.43	29.8	5.28
HEB02-07	Hébécourt basaltic andesite	38	5.11	26.7	8.41	2.26	11.2	1.96
HEB02-08	Hébécourt basaltic andesite	34.5	4.65	24.4	7.7	2.18	10.7	1.86
HEB02-12	Hébécourt basaltic andesite	32.6	4.42	23.4	7.47	1.99	10.3	1.79
HEB02-13	Intrusion	6.09	0.84	4.68	1.59	1.28	2.33	0.42
HEB02-14	Low-Ti rhyolite	65.4	11	57.3	18	1.53	26.2	4.79
HEB02-15	Low-Ti rhyolite	66.6	11.1	56.2	17.3	0.904	22.4	3.97
HEB02-16	Low-Ti rhyolite	101	16.4	78.3	22.7	4.14	27.8	4.64
HEB02-17	Low-Ti rhyolite	73.7	10.1	53.8	17.2	1.64	23.8	4.53
HEB02-19	Low-Ti rhyolite	172	23.4	121	37.9	6.84	48.5	7.98

Analyte Symbol		Dy	Ho	Er	Tm	Yb	Lu	Hf
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.01	0.01	0.005	0.01	0.002	0.1
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
MD01-01	Upper Rhyolite	32.4	7.14	22.6	3.44	21.6	3.21	14.4
MD01-02	Upper Rhyolite	48.1	10.8	35.4	5.34	33.2	4.94	23
MD01-03	Upper Rhyolite	37.3	8.15	25.4	3.86	24.5	3.61	18.5
MD01-05	Upper Rhyolite	46.4	10.6	34.2	5.13	30.8	4.57	18.8
MD01-08	High-Ti Rhyolite	25.1	5.69	18.8	2.88	18.3	2.8	13.4
MD01-10	High-Ti Rhyolite	31.4	7.06	22.7	3.46	21.8	3.31	17.1
MD01-11	High-Ti Rhyolite	29.4	6.63	21.2	3.21	20.5	3.12	13.4
MD01-12	MacDiarmid dacite	31.1	6.92	22.4	3.39	21.6	3.21	13.6
MD01-13	Low-Ti rhyolite	25.9	5.75	18.6	2.85	18.2	2.73	12.2
MD01-15	Intrusion	2.13	0.46	1.41	0.204	1.25	0.182	1
MD01-17	MacDiarmid dacite	6.15	1.36	4.45	0.687	4.44	0.691	3.3
MD01-20	MacDiarmid dacite	19.8	4.63	14.7	2.17	13.4	2	9.6
MD01-21	MacDiarmid dacite	24.6	5.34	16.9	2.52	15.6	2.32	10.8
MD01-23	Hébécourt Basalt	4.9	1.09	3.61	0.55	3.42	0.522	2.2
MD01-27	Hébécourt Basalt	5.66	1.24	4.04	0.611	3.74	0.565	2.4
MD01-28	Hébécourt Basalt	5.83	1.28	4.16	0.633	3.94	0.594	2.5
MD01-30	Reneault-Dufresnoy Formation	3.25	0.7	2.16	0.322	2	0.299	2.7
MD01-31	Reneault-Dufresnoy Formation	3.26	0.7	2.21	0.33	2.05	0.306	2.8
MD01-32	Intrusion	2.85	0.63	1.95	0.294	1.84	0.278	1.2
HEB02-01	Reneault-Dufresnoy Formation	4.39	0.91	2.66	0.383	2.28	0.334	3.4
HEB02-02	Reneault-Dufresnoy Formation	3.55	0.79	2.54	0.376	2.31	0.344	2.3
HEB02-03	Reneault-Dufresnoy Formation	4.15	0.88	2.79	0.426	2.61	0.401	2.2
HEB02-04	Upper Rhyolite	32.3	7.25	24	3.69	23	3.41	14.6
HEB02-05	Upper Rhyolite	33.2	7.38	23.9	3.61	22.1	3.27	15.1
HEB02-06	Upper Rhyolite	35.3	7.8	25	3.76	23.2	3.43	15.9
HEB02-07	Hébécourt basaltic andesite	12.8	2.81	8.89	1.32	8.12	1.19	5.7
HEB02-08	Hébécourt basaltic andesite	12.1	2.7	8.49	1.27	7.86	1.17	5.5
HEB02-12	Hébécourt basaltic andesite	11.8	2.63	8.2	1.23	7.57	1.15	5.3
HEB02-13	Intrusion	2.74	0.61	1.94	0.286	1.63	0.24	0.9
HEB02-14	Low-Ti rhyolite	32.6	7.48	25.2	3.86	24.2	3.71	14
HEB02-15	Low-Ti rhyolite	26.4	5.99	19.3	2.97	18.6	2.74	13.9
HEB02-16	Low-Ti rhyolite	29.4	6.44	20.7	3.22	20.5	3.1	13.2
HEB02-17	Low-Ti rhyolite	31.3	7.06	23.3	3.62	22.8	3.41	14.9
HEB02-19	Low-Ti rhyolite	49.1	10.3	30.5	4.38	27	4.01	15.5

Analyte Symbol		Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.5	0.05	5	0.1	0.05	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
MD01-01	Upper Rhyolite	1.48	< 0.5	0.05	6	< 0.1	2.84	0.84
MD01-02	Upper Rhyolite	2.43	0.5	0.21	6	< 0.1	5.18	1.41
MD01-03	Upper Rhyolite	1.97	< 0.5	< 0.05	9	< 0.1	3.86	1.12
MD01-05	Upper Rhyolite	1.94	< 0.5	< 0.05	< 5	< 0.1	3.86	1.1
MD01-08	High-Ti Rhyolite	1.4	< 0.5	0.12	11	< 0.1	2.73	0.78
MD01-10	High-Ti Rhyolite	1.92	< 0.5	0.12	18	< 0.1	3.54	0.96
MD01-11	High-Ti Rhyolite	1.44	< 0.5	0.07	< 5	< 0.1	2.73	0.8
MD01-12	MacDiarmid dacite	1.53	< 0.5	0.14	6	0.2	2.88	0.81
MD01-13	Low-Ti rhyolite	1.35	< 0.5	0.09	< 5	< 0.1	2.53	0.7
MD01-15	Intrusion	0.1	< 0.5	0.22	< 5	< 0.1	0.15	0.06
MD01-17	MacDiarmid dacite	0.28	< 0.5	0.13	< 5	< 0.1	0.58	0.21
MD01-20	MacDiarmid dacite	1	0.9	0.21	6	< 0.1	1.79	0.54
MD01-21	MacDiarmid dacite	1.11	< 0.5	< 0.05	8	< 0.1	1.96	0.62
MD01-23	Hébécourt Basalt	0.19	< 0.5	< 0.05	< 5	< 0.1	0.32	0.12
MD01-27	Hébécourt Basalt	0.23	< 0.5	0.34	< 5	< 0.1	0.4	0.13
MD01-28	Hébécourt Basalt	0.24	< 0.5	0.32	< 5	< 0.1	0.43	0.13
MD01-30	Reneault-Dufresnoy Formation	0.36	< 0.5	0.09	< 5	< 0.1	1.38	0.4
MD01-31	Reneault-Dufresnoy Formation	0.38	< 0.5	0.08	6	< 0.1	1.47	0.41
MD01-32	Intrusion	0.09	0.6	< 0.05	< 5	< 0.1	0.12	0.11
HEB02-01	Reneault-Dufresnoy Formation	0.49	< 0.5	0.09	< 5	< 0.1	1.03	0.28
HEB02-02	Reneault-Dufresnoy Formation	0.2	0.7	0.12	5	< 0.1	0.54	0.23
HEB02-03	Reneault-Dufresnoy Formation	0.27	< 0.5	0.06	11	0.2	0.69	0.23
HEB02-04	Upper Rhyolite	1.65	< 0.5	0.12	7	< 0.1	3.21	0.88
HEB02-05	Upper Rhyolite	1.6	0.8	0.07	9	0.1	3.17	0.84
HEB02-06	Upper Rhyolite	1.73	1.1	0.12	< 5	0.2	3.44	0.9
HEB02-07	Hébécourt basaltic andesite	0.55	0.5	< 0.05	< 5	< 0.1	1.01	0.3
HEB02-08	Hébécourt basaltic andesite	0.53	0.6	0.06	5	< 0.1	0.94	0.26
HEB02-12	Hébécourt basaltic andesite	0.5	< 0.5	< 0.05	< 5	< 0.1	0.88	0.26
HEB02-13	Intrusion	0.08	< 0.5	0.09	6	< 0.1	0.09	0.04
HEB02-14	Low-Ti rhyolite	1.82	< 0.5	0.08	7	< 0.1	3.18	0.94
HEB02-15	Low-Ti rhyolite	2.01	< 0.5	0.09	6	< 0.1	3.23	0.83
HEB02-16	Low-Ti rhyolite	1.84	< 0.5	< 0.05	< 5	< 0.1	3.36	0.94
HEB02-17	Low-Ti rhyolite	1.95	0.6	0.05	< 5	< 0.1	3.26	0.91
HEB02-19	Low-Ti rhyolite	1.89	0.7	< 0.05	7	< 0.1	3.38	0.9

Analyte Symbol		B	Mass
Unit Symbol		ppm	g
Detection Limit		1	
Analysis Method		PGNAA	PGNAA
MD01-01	Upper Rhyolite	10	1.04
MD01-02	Upper Rhyolite	20	1.05
MD01-03	Upper Rhyolite	6	1.03
MD01-05	Upper Rhyolite	5	1.02
MD01-08	High-Ti Rhyolite	2	1.02
MD01-10	High-Ti Rhyolite	22	1.01
MD01-11	High-Ti Rhyolite	17	1.04
MD01-12	MacDiarmid dacite	17	1.03
MD01-13	Low-Ti rhyolite	22	1.04
MD01-15	Intrusion	25	1.07
MD01-17	MacDiarmid dacite	10	1.01
MD01-20	MacDiarmid dacite	24	1.03
MD01-21	MacDiarmid dacite	8	1.03
MD01-23	Hébécourt Basalt	18	1.05
MD01-27	Hébécourt Basalt	16	1.06
MD01-28	Hébécourt Basalt	17	1.08
MD01-30	Reneault-Dufresnoy Formation	3	1.05
MD01-31	Reneault-Dufresnoy Formation	15	1.08
MD01-32	Intrusion	11	1.06
HEB02-01	Reneault-Dufresnoy Formation	9	1.03
HEB02-02	Reneault-Dufresnoy Formation	16	1.03
HEB02-03	Reneault-Dufresnoy Formation	9	1.06
HEB02-04	Upper Rhyolite	7	1.02
HEB02-05	Upper Rhyolite	< 1	1.02
HEB02-06	Upper Rhyolite	17	1.07
HEB02-07	Hébécourt basaltic andesite	8	1.08
HEB02-08	Hébécourt basaltic andesite	10	1.07
HEB02-12	Hébécourt basaltic andesite	3	1.04
HEB02-13	Intrusion	16	1.05
HEB02-14	Low-Ti rhyolite	19	1.1
HEB02-15	Low-Ti rhyolite	14	1.05
HEB02-16	Low-Ti rhyolite	< 1	1.01
HEB02-17	Low-Ti rhyolite	9	1.09
HEB02-19	Low-Ti rhyolite	15	1.02

Analyte Symbol		CO2	Total S	SiO2	Al2O3	Fe2O3(T)	MnO	MgO
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.01	0.01	0.001	0.01
Analysis Method		COUL	IR	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
HEB04-01	Reneault-Dufresnoy Formation	0.48	0.02	57.59	15.34	7.58	0.14	4.89
HEB04-02	Reneault-Dufresnoy Formation	0.11	0.52	48.07	16.07	14.36	0.204	5.61
HEB04-05	Reneault-Dufresnoy Formation	2.15	0.03	54.47	14.01	9.68	0.212	4.64
HEB04-06	Reneault-Dufresnoy Formation	1.45	0.03	48.82	15.26	10.75	0.218	6.59
HEB04-07	Reneault-Dufresnoy Formation	5.79	0.08	47.55	13.81	9.91	0.18	5.07
HEB04-08	Reneault-Dufresnoy Formation	3.14	0.16	50.93	14.53	10.8	0.182	5.78
HEB04-09	Reneault-Dufresnoy Formation	1.11	0.03	56.96	14.67	8.4	0.135	4.25
HEB04-10	Reneault-Dufresnoy Formation	2.18	0.16	59.07	13.09	6.61	0.116	4.18
HEB04-11	Intrusion	4.52	0.2	47.97	14.2	12.95	0.165	5.12
HEB04-12	MacDiarmid dacite	2.66	0.33	67.59	11.81	5.05	0.067	2.07
HEB04-13	MacDiarmid dacite	4.6	0.4	64.16	11.49	5.4	0.113	2.03
HEB04-14	High-Ti Rhyolite	0.88	0.04	78.77	9.72	3.14	0.035	0.9
HEB04-15	High-Ti Rhyolite	0.16	0.16	79.41	10.69	2.75	0.036	0.38
HEB04-17	High-Ti Rhyolite	5.71	0.05	70.63	9.73	4.8	0.09	1.59
HEB04-19	High-Ti Rhyolite	0.94	< 0.01	76.16	10.19	4.52	0.088	1.19
HEB03-02	Intrusion	2.99	0.02	49.07	17.15	9.83	0.132	5.54
HEB03-03	Intrusion	1.6	0.1	73.86	10.91	3.74	0.039	1.29
HEB03-04	Intrusion	0.93	0.12	73.57	11.17	4.27	0.038	1.38
HEB03-06	Calc-Alkaline Basalt	3.6	0.1	56.16	13.69	5.92	0.105	4.46
HEB03-07	Hébécourt basaltic andesite	0.06	0.08	56.89	13.88	8.94	0.13	5.93
HEB03-08	Hébécourt basaltic andesite	1.24	0.05	56.51	13.52	7.44	0.148	4.57
HEB03-09	Intrusion	0.48	0.33	59.02	13.46	6.64	0.113	4.85
HEB03-11	Calc-Alkaline Intercalations	1.81	0.19	68.73	13.33	4.34	0.073	0.58
HEB03-12	Hébécourt basaltic andesite	0.58	0.1	54.68	13.45	11.27	0.175	4.99
HEB03-13	Intrusion	0.41	0.07	51.88	14.82	9.28	0.169	7.17
HEB03-14	Calc-Alkaline Intercalations	0.46	< 0.01	65.77	14.01	7.3	0.22	1.86
HEB03-15	Calc-Alkaline Intercalations	0.18	0.25	72.12	11.96	3.27	0.248	0.67
HEB03-16	Intrusion	2.53	0.89	49.34	14.17	10.87	1.106	8.27
HEB03-17	Calc-Alkaline Intercalations	0.13	0.2	72.81	12.64	4.51	0.225	0.75
HEB03-18	Intrusion	0.39	1.23	65.49	12.63	8.08	0.298	2.73
08RR6635A	Upper Rhyolite	0.78	0.02	75.2	10.31	4.97	0.042	1.96
08RR6636A	Upper Rhyolite	1.36	0.03	75.89	11.03	3.02	0.028	1.01
08RR6625A	Low-Ti rhyolite	0.14	0.02	75.17	11.58	4.5	0.106	2.1

Analyte Symbol		CaO	Na2O	K2O	TiO2	P2O5	LOI	Total
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.001	0.01		0.01
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
HEB04-01	Reneault-Dufresnoy Formation	6.68	3.73	0.28	1.211	0.13	2.82	100.4
HEB04-02	Reneault-Dufresnoy Formation	5.29	4.16	0.18	1.915	0.23	3.61	99.7
HEB04-05	Reneault-Dufresnoy Formation	6.53	2.95	0.04	1.311	0.12	5.39	99.36
HEB04-06	Reneault-Dufresnoy Formation	8.05	3.09	0.25	1.601	0.09	4.75	99.46
HEB04-07	Reneault-Dufresnoy Formation	9.62	1.7	1.26	1.361	0.09	9.11	99.66
HEB04-08	Reneault-Dufresnoy Formation	6.19	3.57	0.05	1.208	0.07	6.68	99.99
HEB04-09	Reneault-Dufresnoy Formation	6.24	4.03	0.12	1.177	0.07	3.71	99.75
HEB04-10	Reneault-Dufresnoy Formation	6.46	3.68	0.02	1.222	0.07	4.58	99.09
HEB04-11	Intrusion	7.1	2.45	0.5	1.435	0.07	8.16	100.1
HEB04-12	MacDiarmid dacite	3.75	0.46	2.83	0.63	0.09	5.19	99.53
HEB04-13	MacDiarmid dacite	6.11	4.07	0.49	0.747	0.11	6.1	100.8
HEB04-14	High-Ti Rhyolite	1.24	3.52	0.65	0.219	0.05	1.89	100.1
HEB04-15	High-Ti Rhyolite	0.48	5.53	0.12	0.16	0.02	0.67	100.2
HEB04-17	High-Ti Rhyolite	3.78	0.49	2.48	0.203	0.03	6.73	100.6
HEB04-19	High-Ti Rhyolite	1.25	2.47	2.18	0.211	0.03	2.16	100.5
HEB03-02	Intrusion	4.73	4.05	1.07	0.96	0.09	6.59	99.22
HEB03-03	Intrusion	2.38	2.74	1.54	0.294	0.24	3.07	100.1
HEB03-04	Intrusion	1.35	4.14	0.48	0.342	0.06	2.28	99.08
HEB03-06	Calc-Alkaline Basalt	7.07	3.99	0.2	0.91	0.14	5.97	98.61
HEB03-07	Hébécourt basaltic andesite	8.52	2.57	0.06	1.003	0.1	2.75	100.8
HEB03-08	Hébécourt basaltic andesite	9.95	2.35	< 0.01	0.965	0.11	3.39	98.96
HEB03-09	Intrusion	8.73	3.11	0.35	0.934	0.06	2.54	99.79
HEB03-11	Calc-Alkaline Intercalations	2.58	3.08	2.18	0.509	0.13	3.17	98.7
HEB03-12	Hébécourt basaltic andesite	10.32	1.42	0.05	0.973	0.11	3.19	100.6
HEB03-13	Intrusion	9.87	2.72	0.83	0.736	0.05	2.39	99.92
HEB03-14	Calc-Alkaline Intercalations	2.17	1.92	2.38	0.582	0.12	2.93	99.26
HEB03-15	Calc-Alkaline Intercalations	1.23	1.49	6.77	0.454	0.12	1.06	99.4
HEB03-16	Intrusion	4.48	2.43	0.72	0.711	0.06	7.4	99.56
HEB03-17	Calc-Alkaline Intercalations	2.33	2.87	2.11	0.467	0.12	1.69	100.5
HEB03-18	Intrusion	3.01	2.76	0.77	0.702	0.11	3.28	99.85
08RR6635A	Upper Rhyolite	1.15	2.72	0.82	0.241	0.04	2.64	100.1
08RR6636A	Upper Rhyolite	1.34	3.41	1.39	0.296	0.05	2.52	99.98
08RR6625A	Low-Ti rhyolite	0.22	0.51	3.29	0.14	0.02	2.54	100.2

Analyte Symbol		Sc	Be	V	Sr	Ba	Ag	Cd
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	1	5	2	3	1	0.2
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-MS	TD-MS
HEB04-01	Reneault-Dufresnoy Formation	30	1	259	157	152	< 1	< 0.2
HEB04-02	Reneault-Dufresnoy Formation	59	2	572	70	114	< 1	< 0.2
HEB04-05	Reneault-Dufresnoy Formation	43	1	437	114	55	< 1	< 0.2
HEB04-06	Reneault-Dufresnoy Formation	52	1	554	118	132	< 1	< 0.2
HEB04-07	Reneault-Dufresnoy Formation	44	2	489	78	296	< 1	< 0.2
HEB04-08	Reneault-Dufresnoy Formation	43	1	475	105	33	< 1	< 0.2
HEB04-09	Reneault-Dufresnoy Formation	43	1	458	145	95	< 1	< 0.2
HEB04-10	Reneault-Dufresnoy Formation	41	1	445	125	57	< 1	< 0.2
HEB04-11	Intrusion	45	1	587	48	164	< 1	< 0.2
HEB04-12	MacDiarmid dacite	17	2	104	29	352	< 1	< 0.2
HEB04-13	MacDiarmid dacite	20	2	137	125	143	< 1	1.3
HEB04-14	High-Ti Rhyolite	3	2	< 5	67	158	< 1	< 0.2
HEB04-15	High-Ti Rhyolite	2	2	< 5	28	53	< 1	1.7
HEB04-17	High-Ti Rhyolite	3	2	< 5	39	291	< 1	0.2
HEB04-19	High-Ti Rhyolite	4	2	< 5	45	609	< 1	< 0.2
HEB03-02	Intrusion	28	1	299	65	155	< 1	< 0.2
HEB03-03	Intrusion	5	2	17	83	268	< 1	< 0.2
HEB03-04	Intrusion	7	2	27	53	107	< 1	< 0.2
HEB03-06	Calc-Alkaline Basalt	19	1	197	107	80	< 1	< 0.2
HEB03-07	Hébécourt basaltic andesite	37	1	283	104	65	< 1	< 0.2
HEB03-08	Hébécourt basaltic andesite	35	1	269	100	140	< 1	< 0.2
HEB03-09	Intrusion	42	< 1	316	116	120	< 1	< 0.2
HEB03-11	Calc-Alkaline Intercalations	13	1	9	65	288	< 1	< 0.2
HEB03-12	Hébécourt basaltic andesite	36	1	277	120	38	< 1	< 0.2
HEB03-13	Intrusion	37	1	260	97	315	< 1	< 0.2
HEB03-14	Calc-Alkaline Intercalations	20	1	< 5	82	386	< 1	< 0.2
HEB03-15	Calc-Alkaline Intercalations	10	1	< 5	52	994	< 1	< 0.2
HEB03-16	Intrusion	33	1	221	49	215	1	0.2
HEB03-17	Calc-Alkaline Intercalations	12	1	5	93	638	< 1	< 0.2
HEB03-18	Intrusion	20	2	130	110	337	< 1	2.5
08RR6635A	Upper Rhyolite	4	2	12	70	215	< 1	0.2
08RR6636A	Upper Rhyolite	5	2	14	79	259	< 1	< 0.2
08RR6625A	Low-Ti rhyolite	1	2	< 5	8	411	< 1	< 0.2

Analyte Symbol		Co	Cr	Cu	In	Li	Ni	Mn	Mo
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.5	1	0.5	0.2	1	1	2	1
Analysis Method		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
HEB04-01	Reneault-Dufresnoy Formation	29	29	64.8	< 0.2	10	44	991	1
HEB04-02	Reneault-Dufresnoy Formation	51.9	31	82.3	< 0.2	13	34	1490	1
HEB04-05	Reneault-Dufresnoy Formation	37.4	20	65.2	< 0.2	15	25	1580	2
HEB04-06	Reneault-Dufresnoy Formation	40.9	28	94.2	< 0.2	15	33	1600	< 1
HEB04-07	Reneault-Dufresnoy Formation	29.7	40	94.7	< 0.2	16	21	1230	< 1
HEB04-08	Reneault-Dufresnoy Formation	35.9	45	127	< 0.2	16	23	1330	< 1
HEB04-09	Reneault-Dufresnoy Formation	31.1	39	68.1	< 0.2	9	22	942	< 1
HEB04-10	Reneault-Dufresnoy Formation	26.5	27	108	< 0.2	8	16	748	< 1
HEB04-11	Intrusion	32	20	162	< 0.2	29	17	1270	< 1
HEB04-12	MacDiarmid dacite	11.9	65	37.9	< 0.2	9	20	376	3
HEB04-13	MacDiarmid dacite	16.4	121	54.1	0.5	8	22	866	1
HEB04-14	High-Ti Rhyolite	1.9	22	12	< 0.2	4	3	196	2
HEB04-15	High-Ti Rhyolite	0.9	56	40.4	0.4	2	3	217	3
HEB04-17	High-Ti Rhyolite	3.3	25	22.7	0.2	2	6	643	3
HEB04-19	High-Ti Rhyolite	0.5	75	3.7	< 0.2	6	2	626	2
HEB03-02	Intrusion	32	97	6.2	< 0.2	26	54	976	< 1
HEB03-03	Intrusion	3.2	62	12.5	< 0.2	7	4	246	1
HEB03-04	Intrusion	6	54	40	0.2	12	7	251	3
HEB03-06	Calc-Alkaline Basalt	18.3	38	410	< 0.2	7	61	578	< 1
HEB03-07	Hébécourt basaltic andesite	32.6	59	78.2	< 0.2	11	62	915	< 1
HEB03-08	Hébécourt basaltic andesite	35.7	89	92	< 0.2	7	65	1080	< 1
HEB03-09	Intrusion	30.8	156	86.2	< 0.2	5	76	844	< 1
HEB03-11	Calc-Alkaline Intercalations	3.1	23	28.4	< 0.2	4	3	526	1
HEB03-12	Hébécourt basaltic andesite	35.2	97	73.5	< 0.2	7	57	1200	2
HEB03-13	Intrusion	46.1	247	90.7	< 0.2	13	144	1190	< 1
HEB03-14	Calc-Alkaline Intercalations	5.9	12	0.6	< 0.2	7	2	1600	< 1
HEB03-15	Calc-Alkaline Intercalations	2.7	24	12.8	< 0.2	2	3	1660	2
HEB03-16	Intrusion	38.8	189	82.1	< 0.2	16	116	7040	1
HEB03-17	Calc-Alkaline Intercalations	3.9	53	30.8	< 0.2	4	3	1570	2
HEB03-18	Intrusion	17.2	75	85.4	0.5	9	31	2110	2
08RR6635A	Upper Rhyolite	3	56	8.9	< 0.2	13	5	287	4
08RR6636A	Upper Rhyolite	1.1	26	10.2	< 0.2	5	3	191	2
08RR6625A	Low-Ti rhyolite	< 0.5	45	2.4	0.3	11	2	725	2

Analyte Symbol		Pb	Zn	Cr	Co	Ni	Cu	Zn
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	20	1	20	10	30
Analysis Method		TD-MS	TD-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB04-01	Reneault-Dufresnoy Formation	< 2	83	50	34	< 20	60	100
HEB04-02	Reneault-Dufresnoy Formation	< 2	88	50	69	80	110	200
HEB04-05	Reneault-Dufresnoy Formation	< 2	75.2	210	42	< 20	70	120
HEB04-06	Reneault-Dufresnoy Formation	< 2	81.2	50	48	< 20	100	160
HEB04-07	Reneault-Dufresnoy Formation	< 2	55.9	50	39	< 20	120	150
HEB04-08	Reneault-Dufresnoy Formation	2	87.2	50	43	< 20	130	170
HEB04-09	Reneault-Dufresnoy Formation	< 2	67.2	60	39	< 20	70	120
HEB04-10	Reneault-Dufresnoy Formation	< 2	54.2	50	36	< 20	120	100
HEB04-11	Intrusion	< 2	86.3	30	36	< 20	160	170
HEB04-12	MacDiarmid dacite	2	44.1	60	15	< 20	50	90
HEB04-13	MacDiarmid dacite	20	681	60	19	< 20	60	890
HEB04-14	High-Ti Rhyolite	3	33.4	30	3	< 20	20	60
HEB04-15	High-Ti Rhyolite	2	650	70	1	< 20	50	870
HEB04-17	High-Ti Rhyolite	2	113	< 20	4	< 20	20	150
HEB04-19	High-Ti Rhyolite	< 2	72.8	30	< 1	< 20	< 10	90
HEB03-02	Intrusion	2	107	110	38	20	< 10	180
HEB03-03	Intrusion	3	93.9	< 20	4	< 20	20	130
HEB03-04	Intrusion	5	77.8	40	7	< 20	40	130
HEB03-06	Calc-Alkaline Basalt	5	51.1	110	30	80	610	110
HEB03-07	Hébécourt basaltic andesite	< 2	78.7	120	50	120	90	150
HEB03-08	Hébécourt basaltic andesite	< 2	75.2	110	45	50	100	150
HEB03-09	Intrusion	3	45.7	250	37	60	80	80
HEB03-11	Calc-Alkaline Intercalations	4	52.6	< 20	6	< 20	30	90
HEB03-12	Hébécourt basaltic andesite	< 2	65.8	110	44	40	90	150
HEB03-13	Intrusion	2	54.4	360	62	190	100	110
HEB03-14	Calc-Alkaline Intercalations	8	98.8	< 20	16	< 20	< 10	160
HEB03-15	Calc-Alkaline Intercalations	17	69.2	30	3	< 20	10	90
HEB03-16	Intrusion	8	272	300	54	150	90	440
HEB03-17	Calc-Alkaline Intercalations	28	72.9	30	4	< 20	30	110
HEB03-18	Intrusion	8	1330	100	20	< 20	60	1840
08RR6635A	Upper Rhyolite	2	155	< 20	5	< 20	< 10	130
08RR6636A	Upper Rhyolite	3	56	80	3	< 20	10	100
08RR6625A	Low-Ti rhyolite	43	119	100	1	< 20	< 10	90

Analyte Symbol		Ga	Ge	As	Rb	Y	Zr	Nb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	0.5	5	1	0.5	1	0.2
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB04-01	Reneault-Dufresnoy Formation	15	1.7	< 5	12	38.9	147	6.4
HEB04-02	Reneault-Dufresnoy Formation	17	2	< 5	5	32.7	103	5.2
HEB04-05	Reneault-Dufresnoy Formation	16	2.5	< 5	2	24	68	3.4
HEB04-06	Reneault-Dufresnoy Formation	19	2.4	< 5	8	19.3	58	2.5
HEB04-07	Reneault-Dufresnoy Formation	18	3	< 5	35	21.8	60	2.2
HEB04-08	Reneault-Dufresnoy Formation	19	2.5	< 5	< 1	21.8	57	2.3
HEB04-09	Reneault-Dufresnoy Formation	18	1.8	< 5	2	20.5	106	2.1
HEB04-10	Reneault-Dufresnoy Formation	17	1.9	< 5	2	20.2	56	2.2
HEB04-11	Intrusion	18	2.4	< 5	16	11.6	32	1.3
HEB04-12	MacDiarmid dacite	25	2.7	16	64	157	414	16.9
HEB04-13	MacDiarmid dacite	23	2.4	8	12	124	343	15.7
HEB04-14	High-Ti Rhyolite	24	2	< 5	18	168	424	20.3
HEB04-15	High-Ti Rhyolite	27	2.5	< 5	3	215	446	25.3
HEB04-17	High-Ti Rhyolite	24	2.8	< 5	56	139	459	16.2
HEB04-19	High-Ti Rhyolite	24	2.3	< 5	41	147	483	17.2
HEB03-02	Intrusion	15	2.6	< 5	24	9.6	43	1.6
HEB03-03	Intrusion	28	2.1	< 5	30	179	501	24.7
HEB03-04	Intrusion	28	2.6	< 5	13	179	517	24.7
HEB03-06	Calc-Alkaline Basalt	15	2.4	< 5	5	18.4	108	4.6
HEB03-07	Hébécourt basaltic andesite	22	2.4	< 5	3	58.8	184	7.8
HEB03-08	Hébécourt basaltic andesite	21	2.4	< 5	< 1	55.1	175	7.2
HEB03-09	Intrusion	13	1.8	< 5	13	11.3	40	1.8
HEB03-11	Calc-Alkaline Intercalations	19	2.2	< 5	62	28.7	191	7.9
HEB03-12	Hébécourt basaltic andesite	20	2.4	< 5	2	59.8	174	7.2
HEB03-13	Intrusion	16	2.6	< 5	28	18.8	58	2
HEB03-14	Calc-Alkaline Intercalations	20	2.3	< 5	78	29.1	212	8.5
HEB03-15	Calc-Alkaline Intercalations	14	1.3	< 5	97	26.9	169	7
HEB03-16	Intrusion	18	1.6	16	10	17	65	2.5
HEB03-17	Calc-Alkaline Intercalations	17	2.1	< 5	28	32.7	176	7.8
HEB03-18	Intrusion	27	2.1	< 5	16	131	405	17.3
08RR6635A	Upper Rhyolite	29	2.4	< 5	19	153	490	23.2
08RR6636A	Upper Rhyolite	28	2.5	< 5	34	182	494	23.9
08RR6625A	Low-Ti rhyolite	34	2.3	< 5	60	168	429	26

Analyte Symbol		Mo	Ag	In	Sn	Sb	Cs	La
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	0.1	1	0.2	0.1	0.05
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB04-01	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	1	33.6	0.3	12.5
HEB04-02	Reneault-Dufresnoy Formation	12	< 0.5	< 0.1	1	6.3	0.5	8.87
HEB04-05	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	8	0.4	7.54
HEB04-06	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	6.2	0.5	5.42
HEB04-07	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	7	1.1	4.61
HEB04-08	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	6.8	0.2	4.78
HEB04-09	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	1.7	0.2	4.7
HEB04-10	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	6.1	0.3	4.57
HEB04-11	Intrusion	< 2	< 0.5	< 0.1	< 1	6.7	0.4	2.26
HEB04-12	MacDiarmid dacite	< 2	< 0.5	< 0.1	2	6	1.2	22.8
HEB04-13	MacDiarmid dacite	< 2	< 0.5	0.4	11	7.1	0.2	19.7
HEB04-14	High-Ti Rhyolite	3	< 0.5	0.1	3	5.2	0.3	31.8
HEB04-15	High-Ti Rhyolite	5	< 0.5	0.3	5	5.2	< 0.1	40.4
HEB04-17	High-Ti Rhyolite	2	< 0.5	0.2	3	7	0.9	22.3
HEB04-19	High-Ti Rhyolite	4	< 0.5	< 0.1	3	6.5	0.5	24.5
HEB03-02	Intrusion	< 2	< 0.5	< 0.1	< 1	7.2	0.6	2.18
HEB03-03	Intrusion	2	< 0.5	< 0.1	3	4.9	0.6	35.8
HEB03-04	Intrusion	4	< 0.5	0.1	3	6.2	0.3	38.9
HEB03-06	Calc-Alkaline Basalt	2	< 0.5	< 0.1	< 1	6.1	0.2	11.6
HEB03-07	Hébécourt basaltic andesite	2	< 0.5	< 0.1	1	6.8	0.3	11
HEB03-08	Hébécourt basaltic andesite	< 2	< 0.5	< 0.1	1	8.3	0.2	10.4
HEB03-09	Intrusion	2	< 0.5	< 0.1	8	5	0.3	3.44
HEB03-11	Calc-Alkaline Intercalations	< 2	< 0.5	< 0.1	2	6.6	0.9	28.4
HEB03-12	Hébécourt basaltic andesite	2	< 0.5	< 0.1	1	7.4	0.3	10.7
HEB03-13	Intrusion	< 2	< 0.5	< 0.1	< 1	6.6	0.7	3.04
HEB03-14	Calc-Alkaline Intercalations	< 2	0.8	< 0.1	< 1	6.7	0.7	22.3
HEB03-15	Calc-Alkaline Intercalations	3	< 0.5	< 0.1	2	4.9	0.6	19.3
HEB03-16	Intrusion	< 2	0.7	< 0.1	8	5.4	1.4	4.38
HEB03-17	Calc-Alkaline Intercalations	3	< 0.5	< 0.1	2	6.9	0.4	22.8
HEB03-18	Intrusion	3	< 0.5	0.4	16	5.6	0.6	24.8
08RR6635A	Upper Rhyolite	6	< 0.5	< 0.1	1	6.4	0.5	28.7
08RR6636A	Upper Rhyolite	3	< 0.5	< 0.1	1	6.3	0.8	33.6
08RR6625A	Low-Ti rhyolite	4	< 0.5	0.2	4	11.8	0.7	37.2

Analyte Symbol		Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.05	0.01	0.05	0.01	0.005	0.01	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB04-01	Reneault-Dufresnoy Formation	31.6	3.9	18.2	5.1	1.24	6.28	1.05
HEB04-02	Reneault-Dufresnoy Formation	24	3.04	14.1	3.98	1.05	5	0.86
HEB04-05	Reneault-Dufresnoy Formation	18.5	2.25	10.3	2.86	0.892	3.55	0.6
HEB04-06	Reneault-Dufresnoy Formation	13.5	1.68	7.8	2.24	0.7	2.81	0.5
HEB04-07	Reneault-Dufresnoy Formation	11.5	1.46	7.03	2.09	0.912	2.86	0.5
HEB04-08	Reneault-Dufresnoy Formation	12.2	1.87	8.57	2.44	1.09	3.24	0.56
HEB04-09	Reneault-Dufresnoy Formation	11.4	1.72	7.91	2.24	1.28	2.99	0.51
HEB04-10	Reneault-Dufresnoy Formation	11.3	1.45	7.16	2.14	1.2	2.75	0.49
HEB04-11	Intrusion	5.65	0.72	3.61	1.12	0.507	1.56	0.28
HEB04-12	MacDiarmid dacite	64.1	8.86	46.5	15.1	2.58	20.7	3.66
HEB04-13	MacDiarmid dacite	55.6	9.12	44.6	13.3	2.89	18	3.14
HEB04-14	High-Ti Rhyolite	86.1	11.6	59.6	18.8	3.89	24.1	4.35
HEB04-15	High-Ti Rhyolite	104	16.5	77.8	22.3	3.97	29.9	5.18
HEB04-17	High-Ti Rhyolite	60.3	9.71	46.1	13.5	3.6	18.8	3.29
HEB04-19	High-Ti Rhyolite	66.4	10.7	51.2	14.8	3.95	20.2	3.51
HEB03-02	Intrusion	5.52	0.82	4.05	1.29	0.696	1.71	0.29
HEB03-03	Intrusion	96.5	15.4	72.3	20.9	4.71	27.8	5.08
HEB03-04	Intrusion	99.9	15.8	74.5	21.5	4.58	28.6	5.2
HEB03-06	Calc-Alkaline Basalt	27.3	3.76	14.3	3.43	1.07	3.68	0.58
HEB03-07	Hébécourt basaltic andesite	30.3	4.9	24.1	7.14	1.89	9.82	1.74
HEB03-08	Hébécourt basaltic andesite	28.6	4.63	22.5	6.66	1.87	9.03	1.63
HEB03-09	Intrusion	8.67	1.31	6.05	1.72	0.635	2.12	0.37
HEB03-11	Calc-Alkaline Intercalations	62.7	8.22	28.4	6.1	1.56	5.71	0.91
HEB03-12	Hébécourt basaltic andesite	29	4.63	22.8	6.65	1.78	9.29	1.68
HEB03-13	Intrusion	8.58	1.41	7.16	2.24	0.685	3.04	0.55
HEB03-14	Calc-Alkaline Intercalations	51.5	6.85	26	5.98	1.3	5.95	0.96
HEB03-15	Calc-Alkaline Intercalations	47	6.26	22.6	4.94	0.773	4.98	0.8
HEB03-16	Intrusion	11.5	1.75	7.78	2.15	1.13	2.72	0.49
HEB03-17	Calc-Alkaline Intercalations	53.4	7.11	25.8	5.58	1.33	5.38	0.83
HEB03-18	Intrusion	68.6	11.3	54.3	15.9	4.14	21.4	3.84
08RR6635A	Upper Rhyolite	81.8	13.3	64	18.7	3.43	24.1	4.48
08RR6636A	Upper Rhyolite	92.8	15.1	72.6	21.1	4.13	28	5.16
08RR6625A	Low-Ti rhyolite	103	17.1	78.9	22.3	2.95	28	4.99

Analyte Symbol		Dy	Ho	Er	Tm	Yb	Lu	Hf
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.01	0.01	0.005	0.01	0.002	0.1
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB04-01	Reneault-Dufresnoy Formation	6.61	1.42	4.42	0.653	3.99	0.604	4.1
HEB04-02	Reneault-Dufresnoy Formation	5.49	1.19	3.82	0.578	3.6	0.539	2.8
HEB04-05	Reneault-Dufresnoy Formation	3.86	0.83	2.66	0.4	2.47	0.384	1.9
HEB04-06	Reneault-Dufresnoy Formation	3.21	0.71	2.25	0.341	2.1	0.306	1.6
HEB04-07	Reneault-Dufresnoy Formation	3.3	0.74	2.36	0.365	2.3	0.341	1.7
HEB04-08	Reneault-Dufresnoy Formation	3.52	0.77	2.53	0.386	2.32	0.345	1.6
HEB04-09	Reneault-Dufresnoy Formation	3.31	0.73	2.34	0.35	2.16	0.312	2.6
HEB04-10	Reneault-Dufresnoy Formation	3.21	0.71	2.27	0.349	2.21	0.322	1.6
HEB04-11	Intrusion	1.83	0.41	1.31	0.198	1.26	0.192	0.9
HEB04-12	MacDiarmid dacite	24.6	5.64	17.6	2.64	16.4	2.38	12.3
HEB04-13	MacDiarmid dacite	20.4	4.52	14.5	2.2	13.5	1.98	9.7
HEB04-14	High-Ti Rhyolite	29	6.46	20.3	3.03	18.9	2.84	13.8
HEB04-15	High-Ti Rhyolite	34	7.55	25.4	3.85	24	3.62	14.4
HEB04-17	High-Ti Rhyolite	21.6	4.75	16	2.47	15.2	2.28	12.2
HEB04-19	High-Ti Rhyolite	23	5.2	17.3	2.64	16.2	2.32	13.1
HEB03-02	Intrusion	1.86	0.39	1.18	0.173	1.11	0.162	1.1
HEB03-03	Intrusion	34.2	7.54	24.2	3.75	23.6	3.55	16.2
HEB03-04	Intrusion	34.7	7.62	24.1	3.68	23.2	3.47	16
HEB03-06	Calc-Alkaline Basalt	3.63	0.76	2.27	0.332	2.04	0.306	2.8
HEB03-07	Hébécourt basaltic andesite	11.4	2.5	7.84	1.18	7.45	1.11	5.5
HEB03-08	Hébécourt basaltic andesite	10.7	2.33	7.35	1.1	6.93	1.04	5.2
HEB03-09	Intrusion	2.37	0.5	1.53	0.231	1.49	0.225	1.2
HEB03-11	Calc-Alkaline Intercalations	5.79	1.22	3.8	0.596	3.97	0.623	5
HEB03-12	Hébécourt basaltic andesite	11.2	2.48	7.75	1.16	7.28	1.09	5.2
HEB03-13	Intrusion	3.71	0.81	2.57	0.392	2.46	0.367	1.7
HEB03-14	Calc-Alkaline Intercalations	5.96	1.25	3.83	0.584	3.78	0.592	5.4
HEB03-15	Calc-Alkaline Intercalations	5.08	1.11	3.46	0.531	3.44	0.524	4.4
HEB03-16	Intrusion	3.27	0.72	2.29	0.357	2.3	0.337	1.9
HEB03-17	Calc-Alkaline Intercalations	5.19	1.13	3.58	0.548	3.51	0.556	4.3
HEB03-18	Intrusion	25.7	5.59	17.6	2.67	16.7	2.51	12.6
08RR6635A	Upper Rhyolite	30.5	6.9	22.4	3.48	22.9	3.48	16.8
08RR6636A	Upper Rhyolite	34.6	7.64	24	3.68	23.1	3.48	16.2
08RR6625A	Low-Ti rhyolite	33.3	7.32	23.6	3.67	23.5	3.57	15.6

Analyte Symbol		Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.5	0.05	5	0.1	0.05	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB04-01	Reneault-Dufresnoy Formation	0.49	< 0.5	0.05	< 5	< 0.1	1.26	0.34
HEB04-02	Reneault-Dufresnoy Formation	0.37	4.1	0.05	< 5	0.1	0.92	0.25
HEB04-05	Reneault-Dufresnoy Formation	0.21	0.6	< 0.05	< 5	< 0.1	0.54	0.17
HEB04-06	Reneault-Dufresnoy Formation	0.17	< 0.5	0.12	< 5	< 0.1	0.45	0.14
HEB04-07	Reneault-Dufresnoy Formation	0.15	1	0.31	< 5	< 0.1	0.36	0.11
HEB04-08	Reneault-Dufresnoy Formation	0.15	< 0.5	< 0.05	6	< 0.1	0.38	0.15
HEB04-09	Reneault-Dufresnoy Formation	0.14	< 0.5	< 0.05	< 5	< 0.1	0.38	0.21
HEB04-10	Reneault-Dufresnoy Formation	0.15	< 0.5	< 0.05	< 5	< 0.1	0.35	0.12
HEB04-11	Intrusion	0.08	< 0.5	0.13	< 5	< 0.1	0.15	0.16
HEB04-12	MacDiarmid dacite	1.19	< 0.5	0.51	6	< 0.1	2.05	0.56
HEB04-13	MacDiarmid dacite	0.98	< 0.5	0.11	34	< 0.1	1.78	0.51
HEB04-14	High-Ti Rhyolite	1.51	< 0.5	0.12	< 5	0.1	2.7	0.8
HEB04-15	High-Ti Rhyolite	1.72	< 0.5	< 0.05	8	< 0.1	3.34	0.9
HEB04-17	High-Ti Rhyolite	1.02	0.7	0.2	5	< 0.1	1.87	0.54
HEB04-19	High-Ti Rhyolite	1.15	< 0.5	0.1	< 5	< 0.1	2.07	0.58
HEB03-02	Intrusion	0.12	< 0.5	0.18	< 5	< 0.1	0.27	0.08
HEB03-03	Intrusion	1.74	< 0.5	0.17	5	< 0.1	3.24	0.94
HEB03-04	Intrusion	1.69	< 0.5	0.08	15	0.2	3.21	0.9
HEB03-06	Calc-Alkaline Basalt	0.34	< 0.5	< 0.05	13	0.1	1.04	0.32
HEB03-07	Hébécourt basaltic andesite	0.52	< 0.5	0.07	< 5	< 0.1	0.9	0.29
HEB03-08	Hébécourt basaltic andesite	0.51	< 0.5	< 0.05	< 5	0.1	0.84	0.25
HEB03-09	Intrusion	0.13	< 0.5	0.08	< 5	< 0.1	0.23	0.1
HEB03-11	Calc-Alkaline Intercalations	0.55	< 0.5	0.31	12	< 0.1	3.88	1.11
HEB03-12	Hébécourt basaltic andesite	0.49	< 0.5	< 0.05	< 5	< 0.1	0.83	0.25
HEB03-13	Intrusion	0.13	< 0.5	0.3	< 5	< 0.1	0.22	0.09
HEB03-14	Calc-Alkaline Intercalations	0.62	< 0.5	0.61	20	0.2	4.35	1.03
HEB03-15	Calc-Alkaline Intercalations	0.47	< 0.5	0.36	21	< 0.1	3.51	0.91
HEB03-16	Intrusion	0.17	< 0.5	0.11	15	< 0.1	0.53	0.15
HEB03-17	Calc-Alkaline Intercalations	0.48	< 0.5	0.15	46	< 0.1	3.72	0.95
HEB03-18	Intrusion	1.22	< 0.5	0.08	12	0.4	2.09	0.6
08RR6635A	Upper Rhyolite	1.79	< 0.5	0.07	< 5	< 0.1	3.27	0.87
08RR6636A	Upper Rhyolite	1.7	< 0.5	0.21	9	< 0.1	3.13	0.88
08RR6625A	Low-Ti rhyolite	1.92	< 0.5	< 0.05	63	< 0.1	3.18	0.86

Analyte Symbol		B	Mass
Unit Symbol		ppm	g
Detection Limit		1	
Analysis Method		PGNAA	PGNAA
HEB04-01	Reneault-Dufresnoy Formation	3	1.06
HEB04-02	Reneault-Dufresnoy Formation	7	1.03
HEB04-05	Reneault-Dufresnoy Formation	11	1.1
HEB04-06	Reneault-Dufresnoy Formation	13	1.06
HEB04-07	Reneault-Dufresnoy Formation	24	1.07
HEB04-08	Reneault-Dufresnoy Formation	3	1.05
HEB04-09	Reneault-Dufresnoy Formation	8	1.05
HEB04-10	Reneault-Dufresnoy Formation	14	1.07
HEB04-11	Intrusion	22	1.08
HEB04-12	MacDiarmid dacite	68	1.07
HEB04-13	MacDiarmid dacite	15	1.05
HEB04-14	High-Ti Rhyolite	1	1.07
HEB04-15	High-Ti Rhyolite	5	1.03
HEB04-17	High-Ti Rhyolite	34	1.08
HEB04-19	High-Ti Rhyolite	8	1.04
HEB03-02	Intrusion	28	1.03
HEB03-03	Intrusion	10	1.07
HEB03-04	Intrusion	3	1.06
HEB03-06	Calc-Alkaline Basalt	13	1.05
HEB03-07	Hébécourt basaltic andesite	6	1.02
HEB03-08	Hébécourt basaltic andesite	9	1.03
HEB03-09	Intrusion	13	1.09
HEB03-11	Calc-Alkaline Intercalations	23	1.07
HEB03-12	Hébécourt basaltic andesite	9	1.02
HEB03-13	Intrusion	12	1.05
HEB03-14	Calc-Alkaline Intercalations	12	1.01
HEB03-15	Calc-Alkaline Intercalations	< 1	1.05
HEB03-16	Intrusion	7	1.03
HEB03-17	Calc-Alkaline Intercalations	9	1.04
HEB03-18	Intrusion	5	1.09
08RR6635A	Upper Rhyolite	< 1	1
08RR6636A	Upper Rhyolite	10	1.03
08RR6625A	Low-Ti rhyolite	5	1.05

Analyte Symbol		CO2	Total S	SiO2	Al2O3	Fe2O3(T)	MnO	MgO
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.01	0.01	0.001	0.01
Analysis Method		COUL	IR	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
08RR6634A	Reneault-Dufresnoy Formation	0.1	0.03	49.26	18.57	9.26	0.148	5.37
08RR6629A	Low-Ti rhyolite	0.49	0.49	77.84	10.74	3.93	0.096	0.82
08RR6622A	Hébécourt basaltic andesite	0.04	0.08	55.07	13.08	11.07	0.147	5.66
08 RR 05A	High-Ti Rhyolite	1.01	0.25	74.35	11.12	5.68	0.051	0.76
08 RR 09A	Hébécourt basaltic andesite	1.25	1.28	55.1	12.3	12.74	0.153	5.81
08 RR 09B	Hébécourt basaltic andesite	0.6	0.31	57.82	13.86	8.48	0.14	4.21
08 RR 11A	Hébécourt basaltic andesite	0.07	0.11	55.89	14.05	8.82	0.127	5.1
08 RR 13A	Hébécourt basaltic andesite	0.12	0.04	55.4	13.93	8.9	0.154	5.95
08 RR 023A	High-Ti Rhyolite	0.91	0.24	74.65	10.31	5.35	0.048	0.53
08 RR 025A	Reneault-Dufresnoy Formation	0.04	0.01	54.51	16.29	8.2	0.131	5.47
08 RR 026A	Intrusion	0.85	0.03	65.76	11.82	7.66	0.067	2.43
08 RR 028A	Low-Ti rhyolite	0.59	0.02	77.95	10.67	4.07	0.053	2.03
08 RR 030A	Low-Ti rhyolite	0.88	0.12	77.94	10.55	3.52	0.053	0.96
08 RR 031A	Intrusion	0.14	0.02	61.18	12.87	9.91	0.102	4.19
08 RR 032A	Low-Ti rhyolite	1.32	0.1	77.11	10.32	3.29	0.064	1.32
08 RR 034A	Low-Ti rhyolite	1.03	0.02	74.82	10.78	3.72	0.095	1.4
08 RR 038A	Hébécourt Basalt	0.74	0.07	51.44	14.7	10.89	0.21	5.82
08 RR 039A	Hébécourt Basalt	0.02	0.04	55.02	12.56	13.23	0.174	4.97
08 RR 048A	Hébécourt Basalt	0.13	0.09	50.13	13.85	12.41	0.236	7.88
MD-02-01	Upper Rhyolite	2.12	0.09	75.4	9.02	3.16	0.042	0.79
MD-02-03	Intrusion	3.3	< 0.01	45	17.14	10.88	0.133	8.89
MD-02-02	Upper Rhyolite	2.05	0.05	77.15	9.33	3.28	0.046	0.72
MD-02-04	Intrusion	0.51	0.03	45.23	17.76	10.15	0.19	8.87
MD-02-05	High-Ti Rhyolite	0.94	0.06	75.01	11.05	4.33	0.053	0.96
MD-02-10	Upper Rhyolite	0.6	0.14	75.54	10.13	4.37	0.068	0.98
MD-02-11	High-Ti Rhyolite	0.23	0.06	76.21	10.88	3.92	0.034	0.73
MD-02-13	High-Ti Rhyolite	0.21	0.03	75.36	10.68	4.97	0.051	1.16
MD-02-14	Intrusion	2.17	0.11	49.75	14.24	9.63	0.185	8.45
HEB-01-01	Reneault-Dufresnoy Formation	4.32	0.18	50.08	15.08	8.39	0.206	5.17
HEB-01-02	Upper Rhyolite	1.57	0.32	75.07	10.21	3.65	0.045	0.97
HEB-01-03	Upper Rhyolite	1.5	0.21	72.18	12.47	4.36	0.036	1.25
HEB-01-04	Hébécourt basaltic andesite	0.26	0.08	57.74	14.15	8.6	0.145	5.02
HEB-01-05	Hébécourt basaltic andesite	3.81	0.03	54.43	13.27	8.95	0.145	5.43
HEB-01-06	Hébécourt basaltic andesite	0.17	0.15	54.99	13.79	10.53	0.163	5.56
HEB-01-07	Hébécourt basaltic andesite	0.92	0.18	56.03	13.19	9.01	0.139	5
HEB-01-08	Hébécourt basaltic andesite	0.2	0.06	55.85	13.99	8.88	0.156	5.79
HEB-01-09	Hébécourt basaltic andesite	1.2	0.12	55.12	13.68	8.65	0.14	5.4
HEB-01-10	Hébécourt Basalt	0.21	0.17	51.6	15.89	9.82	0.196	5.75

Analyte Symbol		CaO	Na2O	K2O	TiO2	P2O5	LOI	Total
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.001	0.01		0.01
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
08RR6634A	Reneault-Dufresnoy Formation	9.49	2.17	1.2	1.333	0.19	3.22	100.2
08RR6629A	Low-Ti rhyolite	0.5	2.91	1.51	0.139	0.01	2	100.5
08RR6622A	Hébécourt basaltic andesite	7.8	2.03	0.43	0.935	0.1	3.08	99.41
08 RR 05A	High-Ti Rhyolite	1.34	2.74	1.4	0.246	0.04	2.43	100.1
08 RR 09A	Hébécourt basaltic andesite	7.81	0.15	0.08	0.854	0.09	5.49	100.6
08 RR 09B	Hébécourt basaltic andesite	8.86	2.12	0.45	1.002	0.13	3.18	100.2
08 RR 11A	Hébécourt basaltic andesite	8.1	2.87	0.07	1.012	0.11	2.33	98.48
08 RR 13A	Hébécourt basaltic andesite	9.78	2.21	0.12	0.852	0.09	2.23	99.63
08 RR 023A	High-Ti Rhyolite	1.2	2.24	2.03	0.196	0.03	2.28	98.87
08 RR 025A	Reneault-Dufresnoy Formation	6.13	3.68	0.37	0.769	0.12	2.83	98.49
08 RR 026A	Intrusion	2.42	4.48	0.01	0.838	0.16	2.88	98.54
08 RR 028A	Low-Ti rhyolite	0.42	0.16	2.58	0.132	0.02	2.85	101
08 RR 030A	Low-Ti rhyolite	0.65	1.62	2.36	0.131	0.02	2.49	100.3
08 RR 031A	Intrusion	5.7	2.05	0.04	1.013	0.14	3.07	100.3
08 RR 032A	Low-Ti rhyolite	1.43	0.09	3.3	0.129	0.02	3.31	100.4
08 RR 034A	Low-Ti rhyolite	1.29	0.81	4.89	0.129	0.02	2.45	100.4
08 RR 038A	Hébécourt Basalt	8.79	3.01	0.17	1.092	0.08	3.39	99.59
08 RR 039A	Hébécourt Basalt	7.63	2.29	0.13	1.304	0.1	2.4	99.81
08 RR 048A	Hébécourt Basalt	8.04	3.39	0.19	1.014	0.07	2.53	99.74
MD-02-01	Upper Rhyolite	2.79	3.66	0.47	0.38	0.13	2.89	98.72
MD-02-03	Intrusion	4.82	3.53	0.88	0.653	0.11	8.18	100.2
MD-02-02	Upper Rhyolite	2.71	2.1	1.38	0.379	0.11	3.22	100.4
MD-02-04	Intrusion	8.64	2.3	1.04	0.645	0.09	4.65	99.56
MD-02-05	High-Ti Rhyolite	1.41	2.67	1.8	0.283	0.07	2.39	100
MD-02-10	Upper Rhyolite	1.16	4.56	0.1	0.364	0.11	1.38	98.76
MD-02-11	High-Ti Rhyolite	0.51	3.62	1.23	0.245	0.05	1.45	98.87
MD-02-13	High-Ti Rhyolite	0.63	4.17	0.57	0.282	0.06	1.72	99.65
MD-02-14	Intrusion	6.65	3.11	0.17	0.872	0.06	6.32	99.44
HEB-01-01	Reneault-Dufresnoy Formation	6.47	2.75	1.5	1.057	0.15	8.29	99.14
HEB-01-02	Upper Rhyolite	2.1	3.4	0.95	0.285	0.03	2.98	99.69
HEB-01-03	Upper Rhyolite	2.06	0.57	3.3	0.369	0.06	3.8	100.5
HEB-01-04	Hébécourt basaltic andesite	7.18	3.86	0.09	0.891	0.1	2.51	100.3
HEB-01-05	Hébécourt basaltic andesite	6.18	3.4	0.2	0.937	0.09	7.46	100.5
HEB-01-06	Hébécourt basaltic andesite	8.9	2.12	0.04	1.001	0.11	2.84	100
HEB-01-07	Hébécourt basaltic andesite	8.56	2.44	0.05	0.95	0.1	3.7	99.17
HEB-01-08	Hébécourt basaltic andesite	8.64	1.81	0.43	0.972	0.11	2.86	99.48
HEB-01-09	Hébécourt basaltic andesite	6.83	2.81	0.11	1.01	0.11	4.59	98.46
HEB-01-10	Hébécourt Basalt	9.63	3.53	0.12	0.791	0.05	2.67	100.1

Analyte Symbol		Sc	Be	V	Sr	Ba	Ag	Cd
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	1	5	2	3	1	0.2
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-MS	TD-MS
08RR6634A	Reneault-Dufresnoy Formation	27	1	248	278	489	< 1	< 0.2
08RR6629A	Low-Ti rhyolite	1	2	< 5	36	230	< 1	1.8
08RR6622A	Hébécourt basaltic andesite	35	2	258	131	141	< 1	0.2
08 RR 05A	High-Ti Rhyolite	4	2	< 5	67	283	< 1	4.4
08 RR 09A	Hébécourt basaltic andesite	34	< 1	250	182	10	1	0.3
08 RR 09B	Hébécourt basaltic andesite	38	1	281	143	95	4	< 0.2
08 RR 11A	Hébécourt basaltic andesite	36	1	284	92	43	< 1	< 0.2
08 RR 13A	Hébécourt basaltic andesite	35	1	254	89	67	< 1	< 0.2
08 RR 023A	High-Ti Rhyolite	3	2	< 5	38	409	< 1	< 0.2
08 RR 025A	Reneault-Dufresnoy Formation	28	< 1	219	97	123	< 1	< 0.2
08 RR 026A	Intrusion	20	2	104	84	61	< 1	< 0.2
08 RR 028A	Low-Ti rhyolite	2	2	< 5	12	381	< 1	< 0.2
08 RR 030A	Low-Ti rhyolite	< 1	2	< 5	27	252	< 1	3.8
08 RR 031A	Intrusion	28	2	204	150	70	< 1	< 0.2
08 RR 032A	Low-Ti rhyolite	1	3	< 5	13	517	< 1	0.5
08 RR 034A	Low-Ti rhyolite	2	2	< 5	23	963	< 1	1.1
08 RR 038A	Hébécourt Basalt	44	< 1	342	134	79	< 1	< 0.2
08 RR 039A	Hébécourt Basalt	42	1	401	121	75	< 1	< 0.2
08 RR 048A	Hébécourt Basalt	42	< 1	326	108	151	< 1	< 0.2
MD-02-01	Upper Rhyolite	7	< 1	7	47	73	< 1	< 0.2
MD-02-03	Intrusion	31	< 1	248	53	163	< 1	< 0.2
MD-02-02	Upper Rhyolite	9	2	8	25	217	< 1	< 0.2
MD-02-04	Intrusion	31	< 1	251	274	289	< 1	< 0.2
MD-02-05	High-Ti Rhyolite	6	3	< 5	27	319	< 1	< 0.2
MD-02-10	Upper Rhyolite	8	3	10	45	68	< 1	< 0.2
MD-02-11	High-Ti Rhyolite	4	2	6	36	237	< 1	< 0.2
MD-02-13	High-Ti Rhyolite	7	4	7	35	117	< 1	< 0.2
MD-02-14	Intrusion	40	1	297	88	38	< 1	< 0.2
HEB-01-01	Reneault-Dufresnoy Formation	22	2	219	83	205	< 1	< 0.2
HEB-01-02	Upper Rhyolite	4	2	18	62	180	< 1	< 0.2
HEB-01-03	Upper Rhyolite	7	3	43	27	513	< 1	< 0.2
HEB-01-04	Hébécourt basaltic andesite	33	2	248	118	84	< 1	< 0.2
HEB-01-05	Hébécourt basaltic andesite	35	2	267	51	38	< 1	< 0.2
HEB-01-06	Hébécourt basaltic andesite	38	2	289	173	33	< 1	< 0.2
HEB-01-07	Hébécourt basaltic andesite	36	2	272	98	34	< 1	< 0.2
HEB-01-08	Hébécourt basaltic andesite	39	2	295	109	106	< 1	< 0.2
HEB-01-09	Hébécourt basaltic andesite	38	1	294	94	40	< 1	< 0.2
HEB-01-10	Hébécourt Basalt	40	1	285	138	65	< 1	< 0.2

Analyte Symbol		Co	Cr	Cu	In	Li	Ni	Mn	Mo
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.5	1	0.5	0.2	1	1	2	1
Analysis Method		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
08RR6634A	Reneault-Dufresnoy Formation	33.6	101	50.9	< 0.2	10	93	1010	1
08RR6629A	Low-Ti rhyolite	< 0.5	111	64.5	2.4	5	3	660	5
08RR6622A	Hébécourt basaltic andesite	35.2	89	101	< 0.2	8	58	1170	< 1
08 RR 05A	High-Ti Rhyolite	1.4	22	10	1.3	5	4	351	3
08 RR 09A	Hébécourt basaltic andesite	33.5	102	111	0.3	11	49	1090	< 1
08 RR 09B	Hébécourt basaltic andesite	41.5	114	92.3	< 0.2	9	62	1090	< 1
08 RR 11A	Hébécourt basaltic andesite	41.6	80	116	< 0.2	8	67	1120	< 1
08 RR 13A	Hébécourt basaltic andesite	39.8	107	84.9	< 0.2	8	76	1280	< 1
08 RR 023A	High-Ti Rhyolite	0.7	14	12.3	1	5	5	369	2
08 RR 025A	Reneault-Dufresnoy Formation	33.6	117	58.4	< 0.2	11	45	1110	< 1
08 RR 026A	Intrusion	12.4	46	31.2	< 0.2	8	12	571	< 1
08 RR 028A	Low-Ti rhyolite	< 0.5	17	4.4	< 0.2	11	1	421	1
08 RR 030A	Low-Ti rhyolite	< 0.5	24	12.3	0.7	5	2	410	3
08 RR 031A	Intrusion	22.8	100	36.4	< 0.2	8	29	882	< 1
08 RR 032A	Low-Ti rhyolite	0.7	21	89.9	< 0.2	4	1	443	2
08 RR 034A	Low-Ti rhyolite	< 0.5	9	6.5	0.3	6	3	693	1
08 RR 038A	Hébécourt Basalt	50.9	215	119	< 0.2	7	112	1740	< 1
08 RR 039A	Hébécourt Basalt	38	23	127	< 0.2	6	37	1430	< 1
08 RR 048A	Hébécourt Basalt	53.6	212	136	< 0.2	7	108	2010	< 1
MD-02-01	Upper Rhyolite	2.5	11	5.8	< 0.2	4	4	345	< 1
MD-02-03	Intrusion	51	130	3.8	< 0.2	22	156	1160	< 1
MD-02-02	Upper Rhyolite	1.8	10	6.7	0.3	4	4	383	< 1
MD-02-04	Intrusion	47.4	115	71.8	< 0.2	14	148	1520	< 1
MD-02-05	High-Ti Rhyolite	1.3	20	4.1	0.3	3	2	378	4
MD-02-10	Upper Rhyolite	3.7	6	11.2	< 0.2	3	4	536	2
MD-02-11	High-Ti Rhyolite	0.9	28	4.2	0.4	4	2	273	3
MD-02-13	High-Ti Rhyolite	2.6	54	3.7	0.3	6	5	423	< 1
MD-02-14	Intrusion	52.4	183	162	< 0.2	20	98	1770	< 1
HEB-01-01	Reneault-Dufresnoy Formation	30.8	80	79.5	< 0.2	19	94	1040	< 1
HEB-01-02	Upper Rhyolite	4	21	31.2	< 0.2	7	4	332	< 1
HEB-01-03	Upper Rhyolite	5.1	27	9.9	< 0.2	6	5	242	2
HEB-01-04	Hébécourt basaltic andesite	33.5	90	73.7	< 0.2	13	65	1050	< 1
HEB-01-05	Hébécourt basaltic andesite	36.3	100	120	< 0.2	13	61	1090	< 1
HEB-01-06	Hébécourt basaltic andesite	37.5	83	92.5	< 0.2	9	61	1240	< 1
HEB-01-07	Hébécourt basaltic andesite	40.6	108	95.7	< 0.2	10	68	1070	< 1
HEB-01-08	Hébécourt basaltic andesite	35.9	89	88.4	< 0.2	11	66	1180	1
HEB-01-09	Hébécourt basaltic andesite	47.9	80	95.7	< 0.2	16	161	1040	< 1
HEB-01-10	Hébécourt Basalt	50.4	237	123	< 0.2	8	167	1500	< 1

Analyte Symbol		Pb	Zn	Cr	Co	Ni	Cu	Zn
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	20	1	20	10	30
Analysis Method		TD-MS	TD-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
08RR6634A	Reneault-Dufresnoy Formation	2	87.4	160	42	80	60	170
08RR6629A	Low-Ti rhyolite	3	706	50	1	< 20	70	1000
08RR6622A	Hébécourt basaltic andesite	< 2	92.6	100	22	< 20	40	50
08 RR 05A	High-Ti Rhyolite	3	1510	30	1	< 20	< 10	1980
08 RR 09A	Hébécourt basaltic andesite	3	107	110	33	< 20	70	130
08 RR 09B	Hébécourt basaltic andesite	5	82.1	120	37	< 20	80	120
08 RR 11A	Hébécourt basaltic andesite	< 2	82.6	100	36	< 20	100	120
08 RR 13A	Hébécourt basaltic andesite	< 2	76.6	160	36	< 20	80	100
08 RR 023A	High-Ti Rhyolite	< 2	65.7	< 20	< 1	< 20	< 10	70
08 RR 025A	Reneault-Dufresnoy Formation	< 2	75	130	29	< 20	50	70
08 RR 026A	Intrusion	< 2	56.1	50	11	< 20	20	80
08 RR 028A	Low-Ti rhyolite	< 2	81.7	20	< 1	< 20	< 10	90
08 RR 030A	Low-Ti rhyolite	< 2	1290	30	< 1	< 20	< 10	1460
08 RR 031A	Intrusion	< 2	96	120	22	< 20	30	140
08 RR 032A	Low-Ti rhyolite	< 2	278	20	< 1	< 20	90	240
08 RR 034A	Low-Ti rhyolite	2	426	< 20	< 1	< 20	< 10	460
08 RR 038A	Hébécourt Basalt	< 2	73.3	340	47	60	110	110
08 RR 039A	Hébécourt Basalt	< 2	75.4	30	36	< 20	130	120
08 RR 048A	Hébécourt Basalt	< 2	81.7	310	47	40	110	110
MD-02-01	Upper Rhyolite	< 2	61.6	< 20	2	< 20	< 10	70
MD-02-03	Intrusion	< 2	175	230	47	120	< 10	190
MD-02-02	Upper Rhyolite	< 2	67.8	< 20	1	< 20	< 10	70
MD-02-04	Intrusion	2	224	200	44	120	70	250
MD-02-05	High-Ti Rhyolite	< 2	78.3	20	1	< 20	< 10	90
MD-02-10	Upper Rhyolite	2	135	< 20	3	< 20	< 10	150
MD-02-11	High-Ti Rhyolite	2	85.5	30	< 1	< 20	< 10	80
MD-02-13	High-Ti Rhyolite	< 2	53.7	70	2	< 20	30	60
MD-02-14	Intrusion	< 2	137	310	45	< 20	140	170
HEB-01-01	Reneault-Dufresnoy Formation	2	86.7	100	30	60	70	60
HEB-01-02	Upper Rhyolite	3	63.7	< 20	4	< 20	40	70
HEB-01-03	Upper Rhyolite	3	57.9	20	5	< 20	< 10	50
HEB-01-04	Hébécourt basaltic andesite	< 2	65.2	110	28	< 20	60	< 30
HEB-01-05	Hébécourt basaltic andesite	2	88.3	90	34	20	90	< 30
HEB-01-06	Hébécourt basaltic andesite	< 2	83.8	90	35	< 20	90	60
HEB-01-07	Hébécourt basaltic andesite	< 2	81.4	100	37	20	80	30
HEB-01-08	Hébécourt basaltic andesite	< 2	96.4	120	34	30	210	140
HEB-01-09	Hébécourt basaltic andesite	< 2	98.6	100	46	40	90	50
HEB-01-10	Hébécourt Basalt	< 2	61.9	360	47	130	110	< 30

Analyte Symbol		Ga	Ge	As	Rb	Y	Zr	Nb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	0.5	5	1	0.5	1	0.2
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
08RR6634A	Reneault-Dufresnoy Formation	25	1.8	< 5	27	19.7	144	6.6
08RR6629A	Low-Ti rhyolite	29	2.3	17	29	159	442	26.6
08RR6622A	Hébécourt basaltic andesite	15	0.8	< 5	9	52.4	181	7.7
08 RR 05A	High-Ti Rhyolite	27	1.4	< 5	25	149	549	19.1
08 RR 09A	Hébécourt basaltic andesite	19	0.9	28	< 1	57.4	158	6.7
08 RR 09B	Hébécourt basaltic andesite	20	1.1	7	7	65.9	185	7.9
08 RR 11A	Hébécourt basaltic andesite	20	1.4	< 5	1	66.2	181	7.9
08 RR 13A	Hébécourt basaltic andesite	19	1.3	< 5	2	60.8	157	6.7
08 RR 023A	High-Ti Rhyolite	26	1.6	< 5	38	148	508	18.1
08 RR 025A	Reneault-Dufresnoy Formation	15	< 0.5	< 5	15	18.7	98	3.7
08 RR 026A	Intrusion	26	1.2	< 5	2	180	480	22
08 RR 028A	Low-Ti rhyolite	32	1.2	< 5	41	222	448	25.5
08 RR 030A	Low-Ti rhyolite	28	1.8	< 5	40	225	410	28.4
08 RR 031A	Intrusion	24	1.7	< 5	1	123	347	15.6
08 RR 032A	Low-Ti rhyolite	31	1.3	< 5	52	251	415	26.4
08 RR 034A	Low-Ti rhyolite	28	1.4	< 5	56	214	428	26.9
08 RR 038A	Hébécourt Basalt	17	1.2	< 5	2	28.7	87	2.9
08 RR 039A	Hébécourt Basalt	20	1.8	< 5	2	50.2	125	5.1
08 RR 048A	Hébécourt Basalt	16	1	< 5	3	26.2	72	2.6
MD-02-01	Upper Rhyolite	16	1.4	< 5	8	168	464	21
MD-02-03	Intrusion	15	1.4	< 5	19	8.5	28	1.2
MD-02-02	Upper Rhyolite	25	1.4	< 5	26	209	504	23.9
MD-02-04	Intrusion	15	1.5	< 5	17	7.2	24	1.1
MD-02-05	High-Ti Rhyolite	29	1.7	< 5	33	244	541	31.3
MD-02-10	Upper Rhyolite	30	1.9	6	1	246	552	28.2
MD-02-11	High-Ti Rhyolite	30	1.7	< 5	24	254	535	32.6
MD-02-13	High-Ti Rhyolite	30	1.7	< 5	11	178	557	30.2
MD-02-14	Intrusion	16	1.4	< 5	2	24.1	75	2.7
HEB-01-01	Reneault-Dufresnoy Formation	16	1.2	< 5	32	20.6	124	5.1
HEB-01-02	Upper Rhyolite	22	1.9	< 5	18	183	446	22.8
HEB-01-03	Upper Rhyolite	33	1.8	< 5	67	201	511	23.6
HEB-01-04	Hébécourt basaltic andesite	19	< 0.5	< 5	2	65.1	213	9
HEB-01-05	Hébécourt basaltic andesite	18	1.5	8	5	60.2	171	7.1
HEB-01-06	Hébécourt basaltic andesite	19	< 0.5	< 5	< 1	63.2	182	7.9
HEB-01-07	Hébécourt basaltic andesite	19	1.5	< 5	1	65	185	7.6
HEB-01-08	Hébécourt basaltic andesite	20	1.3	< 5	10	62.4	173	7
HEB-01-09	Hébécourt basaltic andesite	18	< 0.5	< 5	2	61.2	176	7.2
HEB-01-10	Hébécourt Basalt	15	1.7	< 5	3	26.1	57	2.9

Analyte Symbol		Mo	Ag	In	Sn	Sb	Cs	La
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	0.1	1	0.2	0.1	0.05
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
08RR6634A	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	1	8.6	0.5	14.3
08RR6629A	Low-Ti rhyolite	5	< 0.5	1.8	4	5.9	0.5	34.1
08RR6622A	Hébécourt basaltic andesite	< 2	< 0.5	< 0.1	2	1.2	0.3	9.28
08 RR 05A	High-Ti Rhyolite	3	< 0.5	1	5	1.8	0.3	25.5
08 RR 09A	Hébécourt basaltic andesite	< 2	0.6	0.2	2	0.8	0.2	8.95
08 RR 09B	Hébécourt basaltic andesite	< 2	2.7	< 0.1	1	3.2	0.2	10.4
08 RR 11A	Hébécourt basaltic andesite	< 2	< 0.5	< 0.1	1	1.7	0.2	10.6
08 RR 13A	Hébécourt basaltic andesite	< 2	< 0.5	< 0.1	1	2	0.2	9.59
08 RR 023A	High-Ti Rhyolite	< 2	< 0.5	0.7	9	1.9	0.3	25.4
08 RR 025A	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	1.4	0.3	9.33
08 RR 026A	Intrusion	< 2	< 0.5	< 0.1	2	2.4	0.2	28.8
08 RR 028A	Low-Ti rhyolite	< 2	< 0.5	0.1	5	2.2	0.7	40.4
08 RR 030A	Low-Ti rhyolite	3	< 0.5	0.5	4	3.3	0.5	36.8
08 RR 031A	Intrusion	< 2	< 0.5	0.1	2	2.1	0.2	21.4
08 RR 032A	Low-Ti rhyolite	2	< 0.5	0.2	16	1.3	0.5	53.4
08 RR 034A	Low-Ti rhyolite	< 2	< 0.5	0.2	4	3.3	0.5	44.9
08 RR 038A	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	2.8	0.3	4.32
08 RR 039A	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	2.9	0.4	7.35
08 RR 048A	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	1.6	0.3	3.48
MD-02-01	Upper Rhyolite	< 2	< 0.5	< 0.1	< 1	2.2	0.1	30.2
MD-02-03	Intrusion	< 2	< 0.5	< 0.1	< 1	2.2	0.4	4.25
MD-02-02	Upper Rhyolite	< 2	< 0.5	0.2	3	3.8	0.3	34.4
MD-02-04	Intrusion	< 2	< 0.5	< 0.1	< 1	2.1	0.3	4.53
MD-02-05	High-Ti Rhyolite	4	< 0.5	0.2	4	4	0.6	49.8
MD-02-10	Upper Rhyolite	3	0.5	0.1	4	41.8	< 0.1	46.7
MD-02-11	High-Ti Rhyolite	4	< 0.5	0.2	8	3	0.7	41.2
MD-02-13	High-Ti Rhyolite	3	< 0.5	0.2	5	3.2	0.2	33.9
MD-02-14	Intrusion	< 2	0.7	< 0.1	< 1	2.9	0.1	3.69
HEB-01-01	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	2	< 0.2	0.9	10.2
HEB-01-02	Upper Rhyolite	< 2	1.4	< 0.1	3	< 0.2	0.3	30.9
HEB-01-03	Upper Rhyolite	2	2.1	< 0.1	5	< 0.2	1.1	36.9
HEB-01-04	Hébécourt basaltic andesite	< 2	0.7	< 0.1	2	< 0.2	0.2	11.6
HEB-01-05	Hébécourt basaltic andesite	< 2	0.6	< 0.1	2	< 0.2	0.2	9.01
HEB-01-06	Hébécourt basaltic andesite	< 2	0.6	< 0.1	2	< 0.2	0.2	10.3
HEB-01-07	Hébécourt basaltic andesite	< 2	0.6	< 0.1	2	< 0.2	0.2	10.5
HEB-01-08	Hébécourt basaltic andesite	2	0.9	0.2	2	1.5	0.4	9.83
HEB-01-09	Hébécourt basaltic andesite	< 2	0.6	< 0.1	2	< 0.2	0.2	10.3
HEB-01-10	Hébécourt Basalt	< 2	< 0.5	< 0.1	< 1	< 0.2	0.1	3.44

Analyte Symbol		Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.05	0.01	0.05	0.01	0.005	0.01	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
08RR6634A	Reneault-Dufresnoy Formation	35.3	5.05	19.1	4.43	1.58	4.47	0.69
08RR6629A	Low-Ti rhyolite	92.9	15.2	71.6	20.7	4	25.7	4.64
08RR6622A	Hébécourt basaltic andesite	26.3	4.37	21.2	6.43	1.75	8.76	1.57
08 RR 05A	High-Ti Rhyolite	67.5	10.5	50.2	15.2	3.97	19.3	3.65
08 RR 09A	Hébécourt basaltic andesite	24.6	4	20.2	6.22	1.74	7.81	1.44
08 RR 09B	Hébécourt basaltic andesite	28.7	4.62	23.4	7.23	2.02	9.16	1.64
08 RR 11A	Hébécourt basaltic andesite	28.7	4.28	21.9	6.84	1.92	9.68	1.71
08 RR 13A	Hébécourt basaltic andesite	26.2	4.23	21	6.36	1.73	8.28	1.52
08 RR 023A	High-Ti Rhyolite	66.7	10.6	51.3	15.2	4.45	19.1	3.56
08 RR 025A	Reneault-Dufresnoy Formation	21.1	2.85	11.7	2.83	0.867	2.98	0.49
08 RR 026A	Intrusion	80.2	12.9	64.1	19.7	4.62	24.8	4.56
08 RR 028A	Low-Ti rhyolite	108	17.4	84.1	24.4	3.58	30	5.39
08 RR 030A	Low-Ti rhyolite	98.2	14.5	73.3	22.5	4.5	32	5.84
08 RR 031A	Intrusion	57.9	8.55	43.2	13.2	3.19	17.9	3.19
08 RR 032A	Low-Ti rhyolite	137	22.2	106	30.6	5.82	35.4	6.33
08 RR 034A	Low-Ti rhyolite	120	19.3	94.4	27.5	5.05	32.9	5.73
08 RR 038A	Hébécourt Basalt	11.4	1.83	9.42	2.98	1.04	3.98	0.72
08 RR 039A	Hébécourt Basalt	20	3.25	16.6	5.21	1.72	6.82	1.23
08 RR 048A	Hébécourt Basalt	9.76	1.64	8.55	2.71	0.961	3.65	0.66
MD-02-01	Upper Rhyolite	83.9	12.6	65	20.1	4.58	27.1	4.78
MD-02-03	Intrusion	9.33	1.3	5.4	1.36	0.504	1.34	0.22
MD-02-02	Upper Rhyolite	95.7	15.5	76.9	23.1	5.03	28.5	5.27
MD-02-04	Intrusion	10.3	1.39	5.69	1.37	0.509	1.31	0.21
MD-02-05	High-Ti Rhyolite	126	19.8	99.3	29.9	6.19	35.3	6.59
MD-02-10	Upper Rhyolite	124	18.6	92	28.1	6.06	37.6	6.69
MD-02-11	High-Ti Rhyolite	113	16.9	83.2	24.9	5.55	34.4	6.52
MD-02-13	High-Ti Rhyolite	89.6	13.4	69	21.5	4.66	28.7	5.18
MD-02-14	Intrusion	10.1	1.52	7.83	2.43	0.744	3.45	0.61
HEB-01-01	Reneault-Dufresnoy Formation	23.6	3.41	14.3	3.55	1.25	3.81	0.64
HEB-01-02	Upper Rhyolite	82.3	13.2	63.7	20.4	3.66	25.9	5.05
HEB-01-03	Upper Rhyolite	99.9	16.1	78	24.2	5.74	30.3	5.8
HEB-01-04	Hébécourt basaltic andesite	31.8	5.01	25	7.88	1.9	10.2	1.95
HEB-01-05	Hébécourt basaltic andesite	25	4.15	20.6	6.86	1.53	8.86	1.71
HEB-01-06	Hébécourt basaltic andesite	28.2	4.47	22.4	7.32	1.84	9.48	1.79
HEB-01-07	Hébécourt basaltic andesite	27.7	4.42	22.1	7.1	1.74	9.28	1.81
HEB-01-08	Hébécourt basaltic andesite	27	4.46	22.4	7.21	1.84	9.43	1.79
HEB-01-09	Hébécourt basaltic andesite	28.1	4.47	22.1	7.28	1.7	9.26	1.77
HEB-01-10	Hébécourt Basalt	9.27	1.56	7.88	2.57	0.79	3.56	0.69

Analyte Symbol		Dy	Ho	Er	Tm	Yb	Lu	Hf
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.01	0.01	0.005	0.01	0.002	0.1
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
08RR6634A	Reneault-Dufresnoy Formation	4.08	0.83	2.44	0.353	2.16	0.322	3.8
08RR6629A	Low-Ti rhyolite	31	6.88	22.6	3.57	23.6	3.69	15.9
08RR6622A	Hébécourt basaltic andesite	10.3	2.28	7.17	1.1	7.05	1.07	5.5
08 RR 05A	High-Ti Rhyolite	23.7	5.18	16.4	2.64	17.2	2.51	14.7
08 RR 09A	Hébécourt basaltic andesite	9.35	1.99	6.21	0.987	6.36	0.899	4.6
08 RR 09B	Hébécourt basaltic andesite	10.8	2.31	7.33	1.13	7.32	1.03	5.3
08 RR 11A	Hébécourt basaltic andesite	11.2	2.38	7.47	1.15	7.09	1.08	5.2
08 RR 13A	Hébécourt basaltic andesite	9.96	2.13	6.75	1.06	6.72	0.956	4.6
08 RR 023A	High-Ti Rhyolite	23.2	5.08	16.1	2.58	16.4	2.37	13.6
08 RR 025A	Reneault-Dufresnoy Formation	3.11	0.65	2	0.311	2.01	0.278	2.6
08 RR 026A	Intrusion	29.5	6.31	19.7	3.05	19.8	2.82	14.4
08 RR 028A	Low-Ti rhyolite	35.4	7.69	24.7	3.88	25.2	3.54	15.1
08 RR 030A	Low-Ti rhyolite	38.1	8.4	26.8	4.11	25.4	3.81	14.2
08 RR 031A	Intrusion	20.1	4.35	13.7	2.13	13.2	1.99	10.1
08 RR 032A	Low-Ti rhyolite	40.6	8.71	27.6	4.45	28.9	4.04	14.3
08 RR 034A	Low-Ti rhyolite	36.7	7.8	23.8	3.74	24.2	3.49	14.7
08 RR 038A	Hébécourt Basalt	4.67	1	3.11	0.484	3.08	0.449	2.5
08 RR 039A	Hébécourt Basalt	7.87	1.69	5.31	0.836	5.32	0.772	3.7
08 RR 048A	Hébécourt Basalt	4.29	0.92	2.88	0.446	2.83	0.416	2.1
MD-02-01	Upper Rhyolite	30.7	6.62	21	3.22	20.3	2.98	14.4
MD-02-03	Intrusion	1.34	0.28	0.87	0.129	0.8	0.116	0.7
MD-02-02	Upper Rhyolite	34.8	7.64	23.1	3.58	23	3.26	15.4
MD-02-04	Intrusion	1.25	0.26	0.8	0.121	0.78	0.115	0.7
MD-02-05	High-Ti Rhyolite	42.3	9.08	28.3	4.34	27.9	3.99	17.3
MD-02-10	Upper Rhyolite	42.3	9.12	28.7	4.4	28.6	4.15	17.1
MD-02-11	High-Ti Rhyolite	43.2	9.55	30.5	4.72	30	4.53	17.9
MD-02-13	High-Ti Rhyolite	33.3	7.3	23.5	3.86	25.5	3.93	17.8
MD-02-14	Intrusion	3.95	0.86	2.76	0.417	2.63	0.409	2.1
HEB-01-01	Reneault-Dufresnoy Formation	3.84	0.78	2.15	0.339	2.13	0.306	3
HEB-01-02	Upper Rhyolite	32.1	7.15	21	3.44	22	3.18	13.2
HEB-01-03	Upper Rhyolite	36.5	7.87	23.3	3.77	24.3	3.53	15.3
HEB-01-04	Hébécourt basaltic andesite	12.4	2.69	7.78	1.33	7.86	1.15	5.9
HEB-01-05	Hébécourt basaltic andesite	10.9	2.4	7.11	1.13	7.36	1.06	4.9
HEB-01-06	Hébécourt basaltic andesite	11.6	2.52	7.31	1.19	7.46	1.1	5
HEB-01-07	Hébécourt basaltic andesite	11.4	2.52	7.37	1.18	7.66	1.14	5.2
HEB-01-08	Hébécourt basaltic andesite	11.2	2.45	7.17	1.15	7.56	1.1	4.9
HEB-01-09	Hébécourt basaltic andesite	11.2	2.47	7.15	1.16	7.32	1.07	4.9
HEB-01-10	Hébécourt Basalt	4.39	0.99	2.97	0.477	3.11	0.46	1.6

Analyte Symbol		Ta	W	Ti	Pb	Bi	Th	U
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.5	0.05	5	0.1	0.05	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
08RR6634A	Reneault-Dufresnoy Formation	0.5	< 0.5	0.17	5	0.2	1.35	0.37
08RR6629A	Low-Ti rhyolite	1.96	< 0.5	< 0.05	6	0.2	3.18	0.9
08RR6622A	Hébécourt basaltic andesite	0.5	< 0.5	< 0.05	< 5	< 0.1	0.97	0.29
08 RR 05A	High-Ti Rhyolite	1.24	< 0.5	0.07	< 5	< 0.1	3.88	0.64
08 RR 09A	Hébécourt basaltic andesite	0.44	< 0.5	1.82	< 5	< 0.1	0.76	0.23
08 RR 09B	Hébécourt basaltic andesite	0.53	< 0.5	0.23	< 5	< 0.1	0.89	0.26
08 RR 11A	Hébécourt basaltic andesite	0.51	0.8	< 0.05	< 5	0.2	0.92	0.29
08 RR 13A	Hébécourt basaltic andesite	0.44	< 0.5	< 0.05	< 5	< 0.1	0.78	0.23
08 RR 023A	High-Ti Rhyolite	1.16	< 0.5	0.06	< 5	< 0.1	2.03	0.56
08 RR 025A	Reneault-Dufresnoy Formation	0.31	< 0.5	< 0.05	< 5	< 0.1	1.09	0.82
08 RR 026A	Intrusion	1.46	< 0.5	< 0.05	< 5	< 0.1	2.51	0.71
08 RR 028A	Low-Ti rhyolite	1.81	< 0.5	0.07	< 5	< 0.1	3.08	0.84
08 RR 030A	Low-Ti rhyolite	1.8	0.9	0.05	< 5	0.1	3.01	0.87
08 RR 031A	Intrusion	1	0.5	< 0.05	< 5	< 0.1	1.71	0.49
08 RR 032A	Low-Ti rhyolite	1.76	< 0.5	0.07	< 5	< 0.1	2.96	0.8
08 RR 034A	Low-Ti rhyolite	1.83	< 0.5	0.1	< 5	< 0.1	2.99	0.8
08 RR 038A	Hébécourt Basalt	0.2	< 0.5	< 0.05	< 5	< 0.1	0.34	0.24
08 RR 039A	Hébécourt Basalt	0.36	< 0.5	< 0.05	< 5	< 0.1	0.59	0.23
08 RR 048A	Hébécourt Basalt	0.19	< 0.5	< 0.05	< 5	< 0.1	0.4	0.2
MD-02-01	Upper Rhyolite	1.47	0.7	< 0.05	< 5	< 0.1	2.72	0.75
MD-02-03	Intrusion	0.08	< 0.5	0.06	< 5	< 0.1	0.52	0.29
MD-02-02	Upper Rhyolite	1.59	< 0.5	0.1	< 5	< 0.1	2.9	0.83
MD-02-04	Intrusion	0.08	< 0.5	< 0.05	< 5	< 0.1	0.46	0.12
MD-02-05	High-Ti Rhyolite	2	1.1	0.07	< 5	< 0.1	3.64	1.01
MD-02-10	Upper Rhyolite	1.81	0.9	< 0.05	7	0.1	3.37	0.97
MD-02-11	High-Ti Rhyolite	2.15	0.9	0.11	< 5	< 0.1	3.99	1.13
MD-02-13	High-Ti Rhyolite	2.06	1.2	0.09	< 5	< 0.1	3.77	1.09
MD-02-14	Intrusion	0.18	0.8	0.07	< 5	< 0.1	0.32	0.1
HEB-01-01	Reneault-Dufresnoy Formation	0.39	0.5	0.13	< 5	< 0.1	1.33	0.38
HEB-01-02	Upper Rhyolite	1.51	< 0.5	0.27	< 5	0.1	3.14	0.83
HEB-01-03	Upper Rhyolite	1.71	1.9	0.23	< 5	< 0.1	3.73	1.04
HEB-01-04	Hébécourt basaltic andesite	0.56	< 0.5	< 0.05	< 5	< 0.1	1.14	0.34
HEB-01-05	Hébécourt basaltic andesite	0.49	< 0.5	< 0.05	< 5	< 0.1	1.04	0.3
HEB-01-06	Hébécourt basaltic andesite	0.5	< 0.5	< 0.05	< 5	< 0.1	1.02	0.28
HEB-01-07	Hébécourt basaltic andesite	0.51	1.9	< 0.05	< 5	< 0.1	1.15	0.38
HEB-01-08	Hébécourt basaltic andesite	0.5	< 0.5	0.67	< 5	< 0.1	1.13	0.29
HEB-01-09	Hébécourt basaltic andesite	0.51	< 0.5	< 0.05	< 5	< 0.1	1.08	0.29
HEB-01-10	Hébécourt Basalt	0.16	< 0.5	< 0.05	< 5	< 0.1	0.31	0.09

Analyte Symbol		B	Mass
Unit Symbol		ppm	g
Detection Limit		1	
Analysis Method		PGNAA	PGNAA
08RR6634A	Reneault-Dufresnoy Formation	2	1.08
08RR6629A	Low-Ti rhyolite	7	1.05
08RR6622A	Hébécourt basaltic andesite	14	1.07
08 RR 05A	High-Ti Rhyolite	11	1.07
08 RR 09A	Hébécourt basaltic andesite	19	1.1
08 RR 09B	Hébécourt basaltic andesite	8	1.08
08 RR 11A	Hébécourt basaltic andesite	9	1.04
08 RR 13A	Hébécourt basaltic andesite	11	1.07
08 RR 023A	High-Ti Rhyolite	10	1.04
08 RR 025A	Reneault-Dufresnoy Formation	7	1.02
08 RR 026A	Intrusion	3	1.06
08 RR 028A	Low-Ti rhyolite	20	1.07
08 RR 030A	Low-Ti rhyolite	17	1.07
08 RR 031A	Intrusion	8	1.06
08 RR 032A	Low-Ti rhyolite	14	1.04
08 RR 034A	Low-Ti rhyolite	12	1.01
08 RR 038A	Hébécourt Basalt	12	1.05
08 RR 039A	Hébécourt Basalt	13	1.08
08 RR 048A	Hébécourt Basalt	12	1.04
MD-02-01	Upper Rhyolite	8	1.05
MD-02-03	Intrusion	11	1
MD-02-02	Upper Rhyolite	16	1.06
MD-02-04	Intrusion	21	1.08
MD-02-05	High-Ti Rhyolite	19	1.04
MD-02-10	Upper Rhyolite	7	1.08
MD-02-11	High-Ti Rhyolite	16	1.07
MD-02-13	High-Ti Rhyolite	10	1.08
MD-02-14	Intrusion	11	1.1
HEB-01-01	Reneault-Dufresnoy Formation	13	1.02
HEB-01-02	Upper Rhyolite	12	1.06
HEB-01-03	Upper Rhyolite	23	1.05
HEB-01-04	Hébécourt basaltic andesite	9	1.06
HEB-01-05	Hébécourt basaltic andesite	9	1.02
HEB-01-06	Hébécourt basaltic andesite	13	1.06
HEB-01-07	Hébécourt basaltic andesite	13	1.05
HEB-01-08	Hébécourt basaltic andesite	16	1.06
HEB-01-09	Hébécourt basaltic andesite	10	1.07
HEB-01-10	Hébécourt Basalt	13	1.09

Analyte Symbol		CO2	Total S	SiO2	Al2O3	Fe2O3(T)	MnO	MgO
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.01	0.01	0.001	0.01
Analysis Method		COUL	IR	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
HEB-01-11	Intrusion	1.65	0.2	45.26	22.24	7.47	0.152	3.33
HEB-01-12	Intrusion	1.28	0.11	52.81	15.59	11.79	0.182	5.33
HEB-01-13	Calc-Alkaline Intercalations	0.18	0.02	71.43	13.1	5.91	0.092	2.12
HEB-05-01	Low-Ti rhyolite	1.79	0.18	74.54	10.35	3.31	0.069	0.87
HEB-05-02	Low-Ti rhyolite	0.89	0.19	76.8	11.22	2.58	0.041	0.79
HEB-05-03	Low-Ti rhyolite	1.01	0.03	77.79	10.01	4.13	0.061	1.34
HEB-05-05	Low-Ti rhyolite	0.13	0.02	78.05	11.13	3.97	0.071	1.75
HEB-05-06	Hébécourt basaltic andesite	0.67	0.08	57.32	13.72	9.53	0.132	4.14
HEB-08-01	Reneault-Dufresnoy Formation	0.59	0.04	46.6	21.45	7.73	0.133	4
HEB-08-02	Reneault-Dufresnoy Formation	1.03	0.39	56.56	15.9	9.08	0.141	3.75
HEB-08-03	Reneault-Dufresnoy Formation	0.19	0.02	46.32	20.23	8.55	0.178	5.23
HEB-08-05	Reneault-Dufresnoy Formation	0.27	0.05	48.29	16.69	12.69	0.251	6.13
HEB-08-06	Reneault-Dufresnoy Formation	2.16	0.03	57.49	13.77	8.66	0.172	4.15
HEB-08-08	Reneault-Dufresnoy Formation	1.05	0.02	58.47	13.86	7.55	0.174	4.04
HEB-08-09	Intrusion	0.42	0.02	50.32	17.15	10.62	0.211	8.1
HEB-08-10	Reneault-Dufresnoy Formation	0.82	0.03	57.17	13.8	8.05	0.204	4.24
HEB-08-11	Upper Rhyolite	0.56	0.39	72.37	12	4.95	0.058	1.48
HEB-08-12	Intrusion	0.45	0.24	52.1	15.23	10.02	0.181	7.47
HEB-08-13	Intrusion	0.24	1.57	47.68	14.33	12.44	0.184	8.31
HEB-08-14	Upper Rhyolite	1.26	0.2	73.56	11.63	3.45	0.044	0.97
HEB-08-15	Intrusion	3.48	0.03	52.57	15.33	7.21	0.167	4.05
HEB-08-16	MacDiarmid dacite	1.44	0.07	68.5	11.85	5.65	0.059	1.72
HEB-08-17	Hébécourt basaltic andesite	0.23	0.07	57.15	13.92	7.67	0.136	5.67
HEB-08-18	Hébécourt basaltic andesite	0.26	0.23	53.55	14.07	10.61	0.171	5.9
HEB-08-20	High-Ti Rhyolite	0.18	0.03	77.91	10.74	1.43	0.025	0.67
HEB-09-01	Reneault-Dufresnoy Formation	0.13	0.19	52.76	16.06	8.96	0.162	5.74
HEB-09-02	Reneault-Dufresnoy Formation	0.34	0.04	52.25	14.28	13.56	0.19	5.38
HEB-09-03	Reneault-Dufresnoy Formation	0.19	0.03	48.61	16.26	13.83	0.289	6
HEB-09-04	Felsic intrusion	0.08	0.02	73.4	12.38	3.92	0.049	1.78
HEB-09-05	Intrusion	0.11	0.03	48.23	15.93	11.07	0.233	4.97
HEB-09-06	Intrusion	0.11	0.12	54.45	14.05	8.89	0.156	5.59
HEB-09-07	Intrusion	0.41	0.1	53.07	17.87	10.16	0.159	3.09
HEB-09-08	Intrusion	0.13	0.13	52.87	13.51	10.57	0.19	5.53
HEB-09-09	Intrusion	0.94	0.03	53.6	15.61	11.11	0.183	3.47

Analyte Symbol		CaO	Na2O	K2O	TiO2	P2O5	LOI	Total
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.001	0.01		0.01
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
HEB-01-11	Intrusion	14.66	1.35	0.16	0.424	0.03	4.79	99.88
HEB-01-12	Intrusion	4.08	4.1	0.13	1.446	0.1	4.75	100.3
HEB-01-13	Calc-Alkaline Intercalations	0.68	2.17	1.61	0.469	0.08	2.61	100.3
HEB-05-01	Low-Ti rhyolite	2.3	0.57	2.69	0.127	0.02	3.64	98.5
HEB-05-02	Low-Ti rhyolite	1.12	0.13	3.13	0.133	0.02	2.93	98.9
HEB-05-03	Low-Ti rhyolite	1.29	0.09	2.85	0.121	0.02	3.02	100.7
HEB-05-05	Low-Ti rhyolite	0.18	1.39	1.98	0.156	0.02	2.14	100.8
HEB-05-06	Hébécourt basaltic andesite	7.45	1.69	0.09	0.938	0.11	3.62	98.73
HEB-08-01	Reneault-Dufresnoy Formation	9.56	3.89	0.41	1.345	0.2	3.59	98.91
HEB-08-02	Reneault-Dufresnoy Formation	6.48	2.8	0.38	0.918	0.12	3.98	100.1
HEB-08-03	Reneault-Dufresnoy Formation	8.78	2.76	0.45	1.819	0.29	4	98.62
HEB-08-05	Reneault-Dufresnoy Formation	4.11	4.65	0.26	1.613	0.12	3.66	98.47
HEB-08-06	Reneault-Dufresnoy Formation	5.83	4.06	< 0.01	1.241	0.14	4.85	100.4
HEB-08-08	Reneault-Dufresnoy Formation	5.46	4.45	0.06	1.196	0.14	3.2	98.61
HEB-08-09	Intrusion	4.67	2.11	0.49	0.985	0.07	5.47	100.2
HEB-08-10	Reneault-Dufresnoy Formation	5.8	4.53	0.14	1.25	0.16	3.19	98.55
HEB-08-11	Upper Rhyolite	1.64	4.56	0.43	0.419	0.06	2.03	100
HEB-08-12	Intrusion	8.86	2.94	0.09	0.758	0.05	3.07	100.8
HEB-08-13	Intrusion	9.73	1.86	0.02	0.707	0.04	4.57	99.87
HEB-08-14	Upper Rhyolite	1.77	5.29	0.24	0.363	0.05	2.19	99.56
HEB-08-15	Intrusion	6.6	5.41	0.04	1.29	0.14	6.12	98.92
HEB-08-16	MacDiarmid dacite	2.74	4.31	0.4	0.49	0.08	2.85	98.66
HEB-08-17	Hébécourt basaltic andesite	6.89	3.15	0.77	0.867	0.1	2.53	98.85
HEB-08-18	Hébécourt basaltic andesite	9.98	2.36	0.05	0.979	0.1	3.15	100.9
HEB-08-20	High-Ti Rhyolite	0.91	5.77	0.02	0.216	0.04	0.7	98.43
HEB-09-01	Reneault-Dufresnoy Formation	6.23	4.03	0.84	1.265	0.14	3.03	99.21
HEB-09-02	Reneault-Dufresnoy Formation	6.84	2.46	0.35	1.333	0.12	3.17	99.93
HEB-09-03	Reneault-Dufresnoy Formation	7.27	2.69	0.89	1.477	0.12	3.27	100.7
HEB-09-04	Felsic intrusion	2.87	4.17	0.35	0.478	0.08	1.5	101
HEB-09-05	Intrusion	11.67	0.99	0.05	1.554	0.08	3.73	98.53
HEB-09-06	Intrusion	7.71	3.49	0.28	1.188	0.07	2.61	98.5
HEB-09-07	Intrusion	8.14	3.67	0.06	1.29	0.07	3.07	100.7
HEB-09-08	Intrusion	10.12	1.94	0.17	1.118	0.05	2.48	98.53
HEB-09-09	Intrusion	7.21	3.16	0.25	1.52	0.1	3.64	99.85

Analyte Symbol		Sc	Be	V	Sr	Ba	Ag	Cd
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	1	5	2	3	1	0.2
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-MS	TD-MS
HEB-01-11	Intrusion	22	1	158	114	21	< 1	< 0.2
HEB-01-12	Intrusion	43	2	495	131	89	< 1	< 0.2
HEB-01-13	Calc-Alkaline Intercalations	14	2	86	43	307	< 1	< 0.2
HEB-05-01	Low-Ti rhyolite	2	3	< 5	26	266	< 1	< 0.2
HEB-05-02	Low-Ti rhyolite	2	1	< 5	14	564	< 1	< 0.2
HEB-05-03	Low-Ti rhyolite	1	2	< 5	17	382	< 1	< 0.2
HEB-05-05	Low-Ti rhyolite	2	3	< 5	16	245	< 1	< 0.2
HEB-05-06	Hébécourt basaltic andesite	32	2	250	267	25	< 1	< 0.2
HEB-08-01	Reneault-Dufresnoy Formation	29	2	280	298	104	< 1	< 0.2
HEB-08-02	Reneault-Dufresnoy Formation	22	1	203	235	114	< 1	0.2
HEB-08-03	Reneault-Dufresnoy Formation	40	2	240	199	77	< 1	< 0.2
HEB-08-05	Reneault-Dufresnoy Formation	57	2	526	34	114	< 1	< 0.2
HEB-08-06	Reneault-Dufresnoy Formation	38	2	380	214	86	< 1	< 0.2
HEB-08-08	Reneault-Dufresnoy Formation	36	2	384	146	80	< 1	< 0.2
HEB-08-09	Intrusion	32	1	334	186	163	< 1	< 0.2
HEB-08-10	Reneault-Dufresnoy Formation	36	2	377	90	132	< 1	< 0.2
HEB-08-11	Upper Rhyolite	8	2	40	77	99	< 1	< 0.2
HEB-08-12	Intrusion	39	1	276	112	68	< 1	< 0.2
HEB-08-13	Intrusion	35	1	252	117	24	< 1	< 0.2
HEB-08-14	Upper Rhyolite	8	2	31	75	56	< 1	< 0.2
HEB-08-15	Intrusion	39	2	419	90	51	< 1	< 0.2
HEB-08-16	MacDiarmid dacite	10	2	52	67	97	< 1	< 0.2
HEB-08-17	Hébécourt basaltic andesite	33	2	247	91	348	< 1	< 0.2
HEB-08-18	Hébécourt basaltic andesite	37	2	287	115	30	< 1	< 0.2
HEB-08-20	High-Ti Rhyolite	3	1	7	59	37	< 1	< 0.2
HEB-09-01	Reneault-Dufresnoy Formation	32	2	295	97	236	< 1	0.2
HEB-09-02	Reneault-Dufresnoy Formation	46	2	472	170	198	< 1	< 0.2
HEB-09-03	Reneault-Dufresnoy Formation	49	2	502	131	601	< 1	< 0.2
HEB-09-04	Felsic intrusion	11	2	52	104	189	< 1	< 0.2
HEB-09-05	Intrusion	48	2	579	177	21	< 1	< 0.2
HEB-09-06	Intrusion	42	2	467	102	108	< 1	< 0.2
HEB-09-07	Intrusion	42	1	321	221	106	< 1	< 0.2
HEB-09-08	Intrusion	44	2	465	62	79	< 1	< 0.2
HEB-09-09	Intrusion	35	2	307	208	372	< 1	< 0.2

Analyte Symbol		Co	Cr	Cu	In	Li	Ni	Mn	Mo
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.5	1	0.5	0.2	1	1	2	1
Analysis Method		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
HEB-01-11	Intrusion	30.5	284	80.5	< 0.2	16	130	1110	< 1
HEB-01-12	Intrusion	37.7	29	119	< 0.2	8	14	1290	< 1
HEB-01-13	Calc-Alkaline Intercalations	3.8	28	2.5	< 0.2	15	65	567	3
HEB-05-01	Low-Ti rhyolite	0.8	42	29.2	0.3	8	2	397	4
HEB-05-02	Low-Ti rhyolite	1.5	26	2.3	0.3	4	13	209	< 1
HEB-05-03	Low-Ti rhyolite	1.7	52	1.2	0.2	7	2	388	4
HEB-05-05	Low-Ti rhyolite	0.6	27	12.9	< 0.2	11	6	447	2
HEB-05-06	Hébécourt basaltic andesite	25.9	90	96.2	< 0.2	12	30	1070	1
HEB-08-01	Reneault-Dufresnoy Formation	46.1	109	67.9	< 0.2	13	122	1070	< 1
HEB-08-02	Reneault-Dufresnoy Formation	31.2	27	154	< 0.2	10	42	1020	< 1
HEB-08-03	Reneault-Dufresnoy Formation	56.8	240	< 0.5	< 0.2	13	193	1290	< 1
HEB-08-05	Reneault-Dufresnoy Formation	61.2	87	255	< 0.2	14	51	1980	< 1
HEB-08-06	Reneault-Dufresnoy Formation	28.8	44	77.6	< 0.2	9	30	1180	< 1
HEB-08-08	Reneault-Dufresnoy Formation	26.3	46	48.5	< 0.2	6	28	1090	< 1
HEB-08-09	Intrusion	36	92	62.2	< 0.2	34	60	1450	< 1
HEB-08-10	Reneault-Dufresnoy Formation	28.6	36	41	< 0.2	10	32	1240	< 1
HEB-08-11	Upper Rhyolite	5.6	20	14	< 0.2	9	12	379	1
HEB-08-12	Intrusion	48.9	217	123	< 0.2	15	122	1370	2
HEB-08-13	Intrusion	45.3	213	110	< 0.2	14	147	1380	< 1
HEB-08-14	Upper Rhyolite	4.8	95	10.2	< 0.2	7	6	274	7
HEB-08-15	Intrusion	26.3	65	12	< 0.2	9	31	1140	1
HEB-08-16	MacDiarmid dacite	6.2	73	15.4	< 0.2	8	8	404	4
HEB-08-17	Hébécourt basaltic andesite	34.4	104	83.8	< 0.2	11	68	992	< 1
HEB-08-18	Hébécourt basaltic andesite	34.2	163	113	< 0.2	10	65	1230	< 1
HEB-08-20	High-Ti Rhyolite	0.9	18	7.1	< 0.2	4	4	172	< 1
HEB-09-01	Reneault-Dufresnoy Formation	38.9	38	127	< 0.2	12	46	1300	< 1
HEB-09-02	Reneault-Dufresnoy Formation	41.7	35	126	< 0.2	9	34	1550	< 1
HEB-09-03	Reneault-Dufresnoy Formation	41.7	41	122	< 0.2	10	36	2090	< 1
HEB-09-04	Felsic intrusion	5.8	18	7.6	< 0.2	7	8	324	5
HEB-09-05	Intrusion	35.8	36	77.8	< 0.2	9	23	1680	< 1
HEB-09-06	Intrusion	30.9	77	113	< 0.2	7	25	1230	< 1
HEB-09-07	Intrusion	23.5	54	94.8	< 0.2	7	13	1140	< 1
HEB-09-08	Intrusion	35.7	47	146	< 0.2	6	27	1550	< 1
HEB-09-09	Intrusion	23.3	13	58.4	< 0.2	10	3	1380	< 1

Analyte Symbol		Pb	Zn	Cr	Co	Ni	Cu	Zn
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	20	1	20	10	30
Analysis Method		TD-MS	TD-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-01-11	Intrusion	< 2	29.6	360	24	100	80	< 30
HEB-01-12	Intrusion	< 2	80.1	30	36	< 20	100	< 30
HEB-01-13	Calc-Alkaline Intercalations	36	41.5	20	3	40	< 10	< 30
HEB-05-01	Low-Ti rhyolite	< 2	106	40	< 1	< 20	30	100
HEB-05-02	Low-Ti rhyolite	< 2	107	< 20	3	< 20	20	80
HEB-05-03	Low-Ti rhyolite	< 2	89	40	1	< 20	< 10	100
HEB-05-05	Low-Ti rhyolite	3	112	< 20	< 1	< 20	10	80
HEB-05-06	Hébécourt basaltic andesite	< 2	77.2	110	21	< 20	80	50
HEB-08-01	Reneault-Dufresnoy Formation	3	131	150	34	< 20	50	< 30
HEB-08-02	Reneault-Dufresnoy Formation	4	105	30	29	30	120	40
HEB-08-03	Reneault-Dufresnoy Formation	< 2	142	270	49	< 20	< 10	< 30
HEB-08-05	Reneault-Dufresnoy Formation	< 2	190	70	53	< 20	200	120
HEB-08-06	Reneault-Dufresnoy Formation	3	85.9	30	29	< 20	60	< 30
HEB-08-08	Reneault-Dufresnoy Formation	< 2	64.5	40	24	< 20	40	< 30
HEB-08-09	Intrusion	< 2	67.8	100	33	< 20	50	< 30
HEB-08-10	Reneault-Dufresnoy Formation	< 2	78.8	50	27	< 20	20	< 30
HEB-08-11	Upper Rhyolite	5	71.6	< 20	5	< 20	20	70
HEB-08-12	Intrusion	< 2	77.3	300	45	< 20	100	50
HEB-08-13	Intrusion	3	97.3	290	41	50	90	60
HEB-08-14	Upper Rhyolite	3	66.5	70	4	< 20	10	60
HEB-08-15	Intrusion	< 2	80.6	50	21	< 20	20	< 30
HEB-08-16	MacDiarmid dacite	2	78.6	70	5	< 20	20	60
HEB-08-17	Hébécourt basaltic andesite	< 2	73.8	110	32	< 20	70	40
HEB-08-18	Hébécourt basaltic andesite	< 2	94.4	100	29	< 20	100	50
HEB-08-20	High-Ti Rhyolite	< 2	49.9	30	< 1	< 20	< 10	30
HEB-09-01	Reneault-Dufresnoy Formation	2	108	40	32	< 20	90	30
HEB-09-02	Reneault-Dufresnoy Formation	< 2	105	30	37	< 20	110	70
HEB-09-03	Reneault-Dufresnoy Formation	< 2	103	40	34	< 20	100	50
HEB-09-04	Felsic intrusion	3	67.2	< 20	5	< 20	10	40
HEB-09-05	Intrusion	< 2	102	30	21	< 20	50	< 30
HEB-09-06	Intrusion	< 2	66.9	50	24	< 20	80	< 30
HEB-09-07	Intrusion	< 2	70.5	50	20	< 20	90	30
HEB-09-08	Intrusion	< 2	76.4	50	31	< 20	130	70
HEB-09-09	Intrusion	< 2	70.6	< 20	19	< 20	50	< 30

Analyte Symbol		Ga	Ge	As	Rb	Y	Zr	Nb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	0.5	5	1	0.5	1	0.2
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-01-11	Intrusion	13	< 0.5	< 5	2	9.2	28	1.1
HEB-01-12	Intrusion	16	1.3	< 5	3	12.7	55	2.7
HEB-01-13	Calc-Alkaline Intercalations	17	1.2	< 5	24	43.9	238	9.1
HEB-05-01	Low-Ti rhyolite	29	2.1	< 5	44	225	401	25
HEB-05-02	Low-Ti rhyolite	28	1.7	< 5	45	199	412	25.2
HEB-05-03	Low-Ti rhyolite	26	2.5	< 5	41	176	377	20.9
HEB-05-05	Low-Ti rhyolite	30	1.3	< 5	33	201	435	25.5
HEB-05-06	Hébécourt basaltic andesite	20	< 0.5	< 5	< 1	83.7	222	10.9
HEB-08-01	Reneault-Dufresnoy Formation	21	< 0.5	< 5	16	21	127	6
HEB-08-02	Reneault-Dufresnoy Formation	18	0.7	< 5	11	33.8	151	8.2
HEB-08-03	Reneault-Dufresnoy Formation	14	< 0.5	< 5	15	26	158	8.3
HEB-08-05	Reneault-Dufresnoy Formation	11	0.8	< 5	4	24.3	95	4.3
HEB-08-06	Reneault-Dufresnoy Formation	15	1.5	< 5	< 1	26.5	84	4.7
HEB-08-08	Reneault-Dufresnoy Formation	14	1.5	< 5	1	25.3	71	3.9
HEB-08-09	Intrusion	18	2	< 5	10	9.5	35	1.1
HEB-08-10	Reneault-Dufresnoy Formation	15	1.4	14	2	29.7	83	8.6
HEB-08-11	Upper Rhyolite	24	1.5	< 5	10	184	484	21.8
HEB-08-12	Intrusion	14	< 0.5	< 5	2	24.6	66	2.8
HEB-08-13	Intrusion	15	< 0.5	< 5	< 1	21.8	69	2.4
HEB-08-14	Upper Rhyolite	25	1.6	< 5	6	186	482	21.9
HEB-08-15	Intrusion	16	< 0.5	< 5	< 1	26.9	135	12.3
HEB-08-16	MacDiarmid dacite	23	< 0.5	< 5	9	172	471	20.5
HEB-08-17	Hébécourt basaltic andesite	19	< 0.5	< 5	18	64.1	184	7.9
HEB-08-18	Hébécourt basaltic andesite	17	< 0.5	< 5	8	63.8	186	8.5
HEB-08-20	High-Ti Rhyolite	17	< 0.5	< 5	< 1	90	464	14.6
HEB-09-01	Reneault-Dufresnoy Formation	19	< 0.5	< 5	11	38.2	153	6.5
HEB-09-02	Reneault-Dufresnoy Formation	17	< 0.5	< 5	8	20.4	69	3.6
HEB-09-03	Reneault-Dufresnoy Formation	18	< 0.5	< 5	19	22.5	76	6.2
HEB-09-04	Felsic intrusion	26	1.8	< 5	5	180	478	22
HEB-09-05	Intrusion	17	< 0.5	< 5	2	26.3	89	9.3
HEB-09-06	Intrusion	14	< 0.5	< 5	3	16.4	52	2.3
HEB-09-07	Intrusion	18	< 0.5	< 5	2	10	25	1.1
HEB-09-08	Intrusion	14	1.4	6	3	18.2	75	11.2
HEB-09-09	Intrusion	18	< 0.5	< 5	4	18.6	62	1.8

Analyte Symbol		Mo	Ag	In	Sn	Sb	Cs	La
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	0.1	1	0.2	0.1	0.05
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-01-11	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.2	1.83
HEB-01-12	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.2	8.07
HEB-01-13	Calc-Alkaline Intercalations	4	0.8	< 0.1	2	< 0.2	0.4	40.6
HEB-05-01	Low-Ti rhyolite	4	1.4	< 0.1	8	< 0.2	1.3	45.2
HEB-05-02	Low-Ti rhyolite	< 2	1.4	< 0.1	8	< 0.2	0.7	24
HEB-05-03	Low-Ti rhyolite	4	1.3	< 0.1	4	< 0.2	0.6	35.9
HEB-05-05	Low-Ti rhyolite	2	1.4	< 0.1	6	< 0.2	0.6	31.6
HEB-05-06	Hébécourt basaltic andesite	< 2	0.7	< 0.1	3	< 0.2	< 0.1	14.4
HEB-08-01	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	1	< 0.2	0.4	15.2
HEB-08-02	Reneault-Dufresnoy Formation	< 2	0.6	< 0.1	< 1	< 0.2	0.3	11.3
HEB-08-03	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	2	< 0.2	0.3	17.3
HEB-08-05	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	< 0.2	0.2	6.24
HEB-08-06	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	1	< 0.2	0.1	9.05
HEB-08-08	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	< 0.2	< 0.1	9.75
HEB-08-09	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.7	4.15
HEB-08-10	Reneault-Dufresnoy Formation	3	< 0.5	< 0.1	1	< 0.2	0.2	14.9
HEB-08-11	Upper Rhyolite	< 2	1.6	< 0.1	4	< 0.2	0.4	28.5
HEB-08-12	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.3	3.86
HEB-08-13	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.2	4.43
HEB-08-14	Upper Rhyolite	6	1.6	< 0.1	4	< 0.2	0.2	28.9
HEB-08-15	Intrusion	< 2	< 0.5	< 0.1	3	< 0.2	< 0.1	9.14
HEB-08-16	MacDiarmid dacite	4	1.6	< 0.1	4	< 0.2	0.2	28.9
HEB-08-17	Hébécourt basaltic andesite	< 2	0.6	< 0.1	2	< 0.2	0.6	10.5
HEB-08-18	Hébécourt basaltic andesite	< 2	0.7	< 0.1	2	< 0.2	0.6	10.7
HEB-08-20	High-Ti Rhyolite	< 2	1.4	< 0.1	2	< 0.2	< 0.1	19.1
HEB-09-01	Reneault-Dufresnoy Formation	< 2	0.5	< 0.1	2	< 0.2	0.3	11.7
HEB-09-02	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	< 0.2	0.5	6.2
HEB-09-03	Reneault-Dufresnoy Formation	< 2	< 0.5	< 0.1	< 1	< 0.2	0.5	7.26
HEB-09-04	Felsic intrusion	< 2	1.6	< 0.1	4	< 0.2	0.2	29.3
HEB-09-05	Intrusion	< 2	< 0.5	< 0.1	1	< 0.2	0.1	5.92
HEB-09-06	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.1	4.07
HEB-09-07	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	< 0.1	1.86
HEB-09-08	Intrusion	< 2	0.5	< 0.1	< 1	< 0.2	< 0.1	4.95
HEB-09-09	Intrusion	< 2	< 0.5	< 0.1	< 1	< 0.2	0.2	3.78

Analyte Symbol		Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.05	0.01	0.05	0.01	0.005	0.01	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-01-11	Intrusion	4.37	0.63	3.1	1.02	0.393	1.34	0.25
HEB-01-12	Intrusion	17.6	2.33	9.27	2.06	0.705	2.12	0.36
HEB-01-13	Calc-Alkaline Intercalations	82.9	10.3	38.1	7.8	1.79	7.64	1.29
HEB-05-01	Low-Ti rhyolite	118	19.3	94.1	27.8	5.13	33.2	6.23
HEB-05-02	Low-Ti rhyolite	68.5	11.4	56	19.7	3.84	27.5	5.75
HEB-05-03	Low-Ti rhyolite	97.5	16.1	78.6	24.3	4.35	28	5.3
HEB-05-05	Low-Ti rhyolite	86.4	14.5	71.2	23.2	3.54	29.8	5.83
HEB-05-06	Hébécourt basaltic andesite	38.8	6.11	30.3	9.73	2.07	12.3	2.3
HEB-08-01	Reneault-Dufresnoy Formation	34.9	4.74	19.7	4.6	1.53	4.33	0.71
HEB-08-02	Reneault-Dufresnoy Formation	25.9	3.71	16.4	4.42	1.2	5.2	0.97
HEB-08-03	Reneault-Dufresnoy Formation	46.6	6.64	28.3	6.24	1.42	5.8	0.92
HEB-08-05	Reneault-Dufresnoy Formation	17.4	2.67	12.1	3.22	0.669	3.84	0.71
HEB-08-06	Reneault-Dufresnoy Formation	22.2	3.31	14.4	3.77	1.08	4.26	0.77
HEB-08-08	Reneault-Dufresnoy Formation	21.9	3.21	13.9	3.6	1.3	4.04	0.73
HEB-08-09	Intrusion	8.97	1.24	5.34	1.35	0.614	1.55	0.28
HEB-08-10	Reneault-Dufresnoy Formation	35	4.65	19.2	4.55	1.25	4.94	0.86
HEB-08-11	Upper Rhyolite	77.9	12.8	62.2	20	3.65	25.4	5.1
HEB-08-12	Intrusion	10.6	1.7	8.45	2.73	0.755	3.7	0.7
HEB-08-13	Intrusion	11.4	1.72	8.29	2.56	0.86	3.23	0.62
HEB-08-14	Upper Rhyolite	80.1	13.1	64	20.3	4.16	25.3	5.09
HEB-08-15	Intrusion	23	3.35	14.6	3.87	1.18	4.31	0.8
HEB-08-16	MacDiarmid dacite	79.1	12.7	63.1	20.1	3.9	25	4.86
HEB-08-17	Hébécourt basaltic andesite	28.8	4.64	23.3	7.58	1.86	9.57	1.85
HEB-08-18	Hébécourt basaltic andesite	29	4.6	22.8	7.32	1.76	9.41	1.82
HEB-08-20	High-Ti Rhyolite	53.3	8.34	40.2	12.1	3.28	13.7	2.67
HEB-09-01	Reneault-Dufresnoy Formation	28.2	4.06	18.8	5.27	1.53	6.04	1.1
HEB-09-02	Reneault-Dufresnoy Formation	15.6	2.27	10.6	2.84	0.884	3.31	0.6
HEB-09-03	Reneault-Dufresnoy Formation	17.6	2.51	11.5	3.03	0.892	3.57	0.67
HEB-09-04	Felsic intrusion	79.7	13.2	64	20.5	4.18	25.3	4.97
HEB-09-05	Intrusion	15.3	2.28	10.7	3.22	1.01	3.89	0.74
HEB-09-06	Intrusion	10.1	1.47	6.97	1.99	0.782	2.44	0.46
HEB-09-07	Intrusion	4.82	0.75	3.71	1.1	0.585	1.5	0.28
HEB-09-08	Intrusion	12.2	1.7	7.92	2.37	0.594	2.71	0.55
HEB-09-09	Intrusion	9.31	1.45	6.88	2.13	0.834	2.65	0.5

Analyte Symbol		Dy	Ho	Er	Tm	Yb	Lu	Hf
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.01	0.01	0.005	0.01	0.002	0.1
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-01-11	Intrusion	1.59	0.36	1.04	0.167	1.1	0.162	0.7
HEB-01-12	Intrusion	2.21	0.48	1.38	0.222	1.49	0.225	1.5
HEB-01-13	Calc-Alkaline Intercalations	7.59	1.62	4.66	0.721	4.61	0.682	5.8
HEB-05-01	Low-Ti rhyolite	39.4	8.69	25.5	4.12	26.6	3.87	13.2
HEB-05-02	Low-Ti rhyolite	36.7	8.04	23.3	3.78	24.3	3.49	13.5
HEB-05-03	Low-Ti rhyolite	32.3	6.95	20.4	3.34	22.2	3.27	12.1
HEB-05-05	Low-Ti rhyolite	36.9	8.1	23.9	3.93	25.6	3.75	14.1
HEB-05-06	Hébécourt basaltic andesite	14.7	3.24	9.62	1.56	9.97	1.43	6.2
HEB-08-01	Reneault-Dufresnoy Formation	4.04	0.82	2.26	0.36	2.18	0.319	3.2
HEB-08-02	Reneault-Dufresnoy Formation	5.95	1.28	3.78	0.609	3.92	0.579	4
HEB-08-03	Reneault-Dufresnoy Formation	5.24	1.05	2.88	0.439	2.81	0.403	3.9
HEB-08-05	Reneault-Dufresnoy Formation	4.43	0.96	2.78	0.452	2.89	0.418	2.5
HEB-08-06	Reneault-Dufresnoy Formation	4.72	1.02	2.96	0.492	3.14	0.463	2.3
HEB-08-08	Reneault-Dufresnoy Formation	4.47	0.98	2.85	0.442	2.91	0.439	2.1
HEB-08-09	Intrusion	1.75	0.38	1.05	0.163	1.05	0.157	1
HEB-08-10	Reneault-Dufresnoy Formation	5.25	1.13	3.15	0.508	3.27	0.482	2.3
HEB-08-11	Upper Rhyolite	32.5	7.14	21.2	3.47	22.4	3.22	14
HEB-08-12	Intrusion	4.56	0.99	2.86	0.472	2.98	0.441	1.9
HEB-08-13	Intrusion	4.01	0.9	2.62	0.423	2.67	0.402	1.9
HEB-08-14	Upper Rhyolite	32.1	7.12	20.8	3.42	21.9	3.2	13.9
HEB-08-15	Intrusion	5.04	1.08	3.09	0.505	3.19	0.46	3.7
HEB-08-16	MacDiarmid dacite	31.3	6.85	20.2	3.29	21	3.04	13.9
HEB-08-17	Hébécourt basaltic andesite	11.8	2.58	7.44	1.2	7.73	1.11	5.3
HEB-08-18	Hébécourt basaltic andesite	11.6	2.54	7.43	1.2	7.7	1.15	5.2
HEB-08-20	High-Ti Rhyolite	17.2	3.8	11.3	1.86	12.2	1.73	12.1
HEB-09-01	Reneault-Dufresnoy Formation	6.85	1.47	4.26	0.677	4.33	0.648	4
HEB-09-02	Reneault-Dufresnoy Formation	3.81	0.82	2.36	0.383	2.47	0.381	1.8
HEB-09-03	Reneault-Dufresnoy Formation	4.09	0.9	2.65	0.427	2.72	0.403	2
HEB-09-04	Felsic intrusion	31.3	6.9	20.3	3.31	21.4	3.14	13.7
HEB-09-05	Intrusion	4.79	1.04	3.11	0.506	3.32	0.49	2.6
HEB-09-06	Intrusion	2.91	0.64	1.91	0.311	1.93	0.293	1.5
HEB-09-07	Intrusion	1.8	0.39	1.12	0.188	1.23	0.19	0.7
HEB-09-08	Intrusion	3.44	0.75	2.22	0.37	2.63	0.39	2
HEB-09-09	Intrusion	3.31	0.73	2.12	0.337	2.25	0.341	1.6

Analyte Symbol		Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.5	0.05	5	0.1	0.05	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-01-11	Intrusion	0.08	< 0.5	< 0.05	< 5	< 0.1	0.32	0.08
HEB-01-12	Intrusion	0.2	< 0.5	< 0.05	< 5	< 0.1	1.39	0.5
HEB-01-13	Calc-Alkaline Intercalations	0.86	< 0.5	0.06	24	0.5	12.2	3.2
HEB-05-01	Low-Ti rhyolite	1.72	< 0.5	0.08	< 5	< 0.1	3.19	0.85
HEB-05-02	Low-Ti rhyolite	1.77	< 0.5	0.08	< 5	< 0.1	3.54	0.92
HEB-05-03	Low-Ti rhyolite	1.6	< 0.5	0.09	< 5	< 0.1	2.85	0.75
HEB-05-05	Low-Ti rhyolite	1.87	0.7	0.07	< 5	< 0.1	3.52	0.94
HEB-05-06	Hébécourt basaltic andesite	0.69	0.7	< 0.05	< 5	0.1	1.46	0.39
HEB-08-01	Reneault-Dufresnoy Formation	0.47	< 0.5	< 0.05	< 5	< 0.1	1.77	0.47
HEB-08-02	Reneault-Dufresnoy Formation	0.63	< 0.5	< 0.05	< 5	< 0.1	1.75	0.48
HEB-08-03	Reneault-Dufresnoy Formation	0.62	< 0.5	< 0.05	< 5	< 0.1	1.51	0.37
HEB-08-05	Reneault-Dufresnoy Formation	0.28	< 0.5	< 0.05	< 5	< 0.1	0.86	0.22
HEB-08-06	Reneault-Dufresnoy Formation	0.31	0.8	< 0.05	< 5	< 0.1	1.07	0.3
HEB-08-08	Reneault-Dufresnoy Formation	0.29	< 0.5	< 0.05	< 5	< 0.1	0.87	0.32
HEB-08-09	Intrusion	0.09	< 0.5	< 0.05	< 5	< 0.1	0.71	0.17
HEB-08-10	Reneault-Dufresnoy Formation	0.39	< 0.5	< 0.05	< 5	< 0.1	1.36	0.4
HEB-08-11	Upper Rhyolite	1.57	0.9	0.15	7	0.1	3.36	0.91
HEB-08-12	Intrusion	0.2	< 0.5	< 0.05	< 5	< 0.1	0.66	0.18
HEB-08-13	Intrusion	0.17	0.8	0.46	< 5	0.5	0.71	0.19
HEB-08-14	Upper Rhyolite	1.53	0.6	0.06	< 5	< 0.1	3.12	0.85
HEB-08-15	Intrusion	0.8	< 0.5	< 0.05	< 5	< 0.1	1.03	0.34
HEB-08-16	MacDiarmid dacite	1.48	< 0.5	0.11	< 5	< 0.1	2.97	0.85
HEB-08-17	Hébécourt basaltic andesite	0.55	< 0.5	0.29	< 5	< 0.1	1.04	0.31
HEB-08-18	Hébécourt basaltic andesite	0.64	1.1	0.11	< 5	< 0.1	1.24	0.3
HEB-08-20	High-Ti Rhyolite	1.17	< 0.5	< 0.05	< 5	1.8	2.27	0.66
HEB-09-01	Reneault-Dufresnoy Formation	0.47	< 0.5	< 0.05	< 5	0.1	1.32	0.36
HEB-09-02	Reneault-Dufresnoy Formation	0.22	< 0.5	< 0.05	< 5	< 0.1	0.69	0.28
HEB-09-03	Reneault-Dufresnoy Formation	0.26	< 0.5	0.08	< 5	< 0.1	0.77	0.22
HEB-09-04	Felsic intrusion	1.5	1.1	< 0.05	< 5	< 0.1	3.07	0.82
HEB-09-05	Intrusion	0.65	< 0.5	< 0.05	< 5	< 0.1	0.79	0.23
HEB-09-06	Intrusion	0.14	< 0.5	< 0.05	< 5	< 0.1	0.46	0.14
HEB-09-07	Intrusion	0.07	< 0.5	< 0.05	< 5	< 0.1	0.24	0.06
HEB-09-08	Intrusion	0.53	0.9	< 0.05	< 5	< 0.1	1.1	1.38
HEB-09-09	Intrusion	0.13	< 0.5	< 0.05	< 5	< 0.1	0.42	0.13

Analyte Symbol		B	Mass
Unit Symbol		ppm	g
Detection Limit		1	
Analysis Method		PGNAA	PGNAA
HEB-01-11	Intrusion	27	1.04
HEB-01-12	Intrusion	9	1.09
HEB-01-13	Calc-Alkaline Intercalations	16	1.04
HEB-05-01	Low-Ti rhyolite	15	1.04
HEB-05-02	Low-Ti rhyolite	28	1.06
HEB-05-03	Low-Ti rhyolite	15	1.02
HEB-05-05	Low-Ti rhyolite	10	1.05
HEB-05-06	Hébécourt basaltic andesite	5	1.01
HEB-08-01	Reneault-Dufresnoy Formation	14	1.02
HEB-08-02	Reneault-Dufresnoy Formation	15	1.03
HEB-08-03	Reneault-Dufresnoy Formation	11	1.08
HEB-08-05	Reneault-Dufresnoy Formation	4	1.07
HEB-08-06	Reneault-Dufresnoy Formation	5	1.06
HEB-08-08	Reneault-Dufresnoy Formation	6	1.04
HEB-08-09	Intrusion	27	1.01
HEB-08-10	Reneault-Dufresnoy Formation	3	1.03
HEB-08-11	Upper Rhyolite	5	1.05
HEB-08-12	Intrusion	6	1.08
HEB-08-13	Intrusion	10	1.06
HEB-08-14	Upper Rhyolite	2	1.04
HEB-08-15	Intrusion	5	1.03
HEB-08-16	MacDiarmid dacite	8	1.08
HEB-08-17	Hébécourt basaltic andesite	17	1.04
HEB-08-18	Hébécourt basaltic andesite	6	1.07
HEB-08-20	High-Ti Rhyolite	2	1.02
HEB-09-01	Reneault-Dufresnoy Formation	1	1.04
HEB-09-02	Reneault-Dufresnoy Formation	5	1.04
HEB-09-03	Reneault-Dufresnoy Formation	6	1.05
HEB-09-04	Felsic intrusion	< 1	1.05
HEB-09-05	Intrusion	12	1.05
HEB-09-06	Intrusion	8	1.07
HEB-09-07	Intrusion	2	1.04
HEB-09-08	Intrusion	5	1.06
HEB-09-09	Intrusion	3	1.06

Analyte Symbol		CO2	Total S	SiO2	Al2O3	Fe2O3(T)	MnO	MgO
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.01	0.01	0.001	0.01
Analysis Method		COUL	IR	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
HEB-09-10	MacDiarmid dacite	0.9	0.07	62.57	12.98	7.24	0.128	3.49
HEB-09-11	MacDiarmid dacite	0.34	0.15	60.71	13.15	8.81	0.158	4.43
HEB-09-12	MacDiarmid dacite	1.23	0.46	74.77	11.08	3.77	0.054	0.84
HEB-09-13	MacDiarmid dacite	1.13	0.09	68.39	12.39	6.85	0.09	0.92
09-RR-002A	Upper Rhyolite	1.23	0.82	79.86	8.99	1.92	0.015	0.27
09-RR-008A	Upper Rhyolite	0.29	0.56	78.06	10.77	2.46	0.041	0.52

Analyte Symbol		CaO	Na2O	K2O	TiO2	P2O5	LOI	Total
Unit Symbol		%	%	%	%	%	%	%
Detection Limit		0.01	0.01	0.01	0.001	0.01		0.01
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
HEB-09-10	MacDiarmid dacite	4.35	3.45	0.07	0.722	0.09	3.34	98.43
HEB-09-11	MacDiarmid dacite	4.38	2.78	0.05	0.969	0.12	3.29	98.85
HEB-09-12	MacDiarmid dacite	1.77	3.41	0.88	0.262	0.05	2.73	99.61
HEB-09-13	MacDiarmid dacite	1.77	3.25	1.14	0.562	0.2	2.92	98.47
09-RR-002A	Upper Rhyolite	1.37	3.1	1.01	0.143	< 0.01	2.47	99.16
09-RR-008A	Upper Rhyolite	0.34	3.42	1.93	0.132	< 0.01	1.54	99.22

Analyte Symbol		Sc	Be	V	Sr	Ba	Ag	Cd
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	1	5	2	3	1	0.2
Analysis Method		FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-MS	TD-MS
HEB-09-10	MacDiarmid dacite	23	2	160	135	36	< 1	< 0.2
HEB-09-11	MacDiarmid dacite	29	2	213	112	22	< 1	< 0.2
HEB-09-12	MacDiarmid dacite	5	2	< 5	41	149	< 1	1.6
HEB-09-13	MacDiarmid dacite	15	2	6	62	215	< 1	< 0.2
09-RR-002A	Upper Rhyolite	2	1	< 5	53	151	< 1	< 0.2
09-RR-008A	Upper Rhyolite	1	2	< 5	28	344	< 1	1.1

Analyte Symbol		Co	Cr	Cu	In	Li	Ni	Mn	Mo
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.5	1	0.5	0.2	1	1	2	1
Analysis Method		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
HEB-09-10	MacDiarmid dacite	19.7	88	60.8	< 0.2	11	42	982	1
HEB-09-11	MacDiarmid dacite	24	73	53.9	< 0.2	17	30	1150	2
HEB-09-12	MacDiarmid dacite	4.1	16	78.6	< 0.2	7	5	384	1
HEB-09-13	MacDiarmid dacite	5.5	83	10.5	0.2	9	3	637	< 1
09-RR-002A	Upper Rhyolite	0.6	16	9.8	< 0.2	2	4	108	< 1
09-RR-008A	Upper Rhyolite	< 0.5	66	29.1	0.3	4	2	265	6

Analyte Symbol		Pb	Zn	Cr	Co	Ni	Cu	Zn
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	20	1	20	10	30
Analysis Method		TD-MS	TD-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-09-10	MacDiarmid dacite	3	87.7	90	13	< 20	50	60
HEB-09-11	MacDiarmid dacite	< 2	121	50	19	< 20	40	40
HEB-09-12	MacDiarmid dacite	6	330	< 20	4	< 20	60	250
HEB-09-13	MacDiarmid dacite	2	218	30	5	< 20	10	< 30
09-RR-002A	Upper Rhyolite	3	39.2	< 20	< 1	< 20	< 10	30
09-RR-008A	Upper Rhyolite	5	486	50	< 1	< 20	30	240

Analyte Symbol		Ga	Ge	As	Rb	Y	Zr	Nb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		1	0.5	5	1	0.5	1	0.2
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-09-10	MacDiarmid dacite	22	< 0.5	< 5	< 1	120	334	14.4
HEB-09-11	MacDiarmid dacite	20	< 0.5	< 5	2	115	319	13.3
HEB-09-12	MacDiarmid dacite	25	1.3	< 5	16	137	462	23
HEB-09-13	MacDiarmid dacite	26	1.8	< 5	18	148	411	18.1
09-RR-002A	Upper Rhyolite	22	1.6	< 5	25	72.9	365	14.6
09-RR-008A	Upper Rhyolite	21	1.8	< 5	27	208	440	23.2

Analyte Symbol		Mo	Ag	In	Sn	Sb	Cs	La
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	0.5	0.1	1	0.2	0.1	0.05
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-09-10	MacDiarmid dacite	< 2	1.2	< 0.1	3	< 0.2	0.1	19.9
HEB-09-11	MacDiarmid dacite	< 2	1	< 0.1	3	< 0.2	0.1	18.7
HEB-09-12	MacDiarmid dacite	< 2	3	< 0.1	2	< 0.2	0.2	31.3
HEB-09-13	MacDiarmid dacite	4	1.3	< 0.1	4	< 0.2	0.3	23
09-RR-002A	Upper Rhyolite	< 2	0.9	< 0.1	3	< 0.2	0.4	23.9
09-RR-008A	Upper Rhyolite	6	1	< 0.1	4	< 0.2	0.4	46.4

Analyte Symbol		Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.05	0.01	0.05	0.01	0.005	0.01	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-09-10	MacDiarmid dacite	54.4	8.78	43.4	14.3	3.11	17.9	3.46
HEB-09-11	MacDiarmid dacite	51.6	8.35	41.9	13.5	2.89	16.8	3.24
HEB-09-12	MacDiarmid dacite	84.3	12.5	58.6	18.1	3.93	20.7	4.16
HEB-09-13	MacDiarmid dacite	62.6	10.4	51.2	16.1	3.69	20.7	4.08
09-RR-002A	Upper Rhyolite	65.1	9.35	47.8	14.3	3.03	14.7	2.65
09-RR-008A	Upper Rhyolite	125	18.5	95.9	29.2	4.69	34	6.28

Analyte Symbol		Dy	Ho	Er	Tm	Yb	Lu	Hf
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.01	0.01	0.005	0.01	0.002	0.1
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-09-10	MacDiarmid dacite	21.8	4.74	13.9	2.26	14.5	2.1	9.5
HEB-09-11	MacDiarmid dacite	20.6	4.45	13.1	2.16	13.7	1.98	8.9
HEB-09-12	MacDiarmid dacite	26.1	5.79	16.9	2.84	18.6	2.65	13.6
HEB-09-13	MacDiarmid dacite	26	5.78	17.2	2.8	18.2	2.66	11.7
09-RR-002A	Upper Rhyolite	15.6	3.27	9.2	1.51	9.77	1.42	10.3
09-RR-008A	Upper Rhyolite	37.9	8.24	24.2	3.97	25.8	3.67	13.8

Analyte Symbol		Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.01	0.5	0.05	5	0.1	0.05	0.01
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
HEB-09-10	MacDiarmid dacite	0.99	< 0.5	< 0.05	14	< 0.1	1.94	0.54
HEB-09-11	MacDiarmid dacite	0.97	< 0.5	< 0.05	< 5	< 0.1	1.86	0.53
HEB-09-12	MacDiarmid dacite	1.49	1	0.06	5	0.6	3.25	1.07
HEB-09-13	MacDiarmid dacite	1.23	< 0.5	< 0.05	< 5	< 0.1	2.31	0.64
09-RR-002A	Upper Rhyolite	1.23	0.8	< 0.05	< 5	< 0.1	2.54	0.98
09-RR-008A	Upper Rhyolite	1.75	0.5	< 0.05	< 5	< 0.1	3.43	1.07

Analyte Symbol		B	Mass
Unit Symbol		ppm	g
Detection Limit		1	
Analysis Method		PGNAA	PGNAA
HEB-09-10	MacDiarmid dacite	7	1.03
HEB-09-11	MacDiarmid dacite	9	1.01
HEB-09-12	MacDiarmid dacite	3	1.04
HEB-09-13	MacDiarmid dacite	11	1.03
09-RR-002A	Upper Rhyolite	7	1.03
09-RR-008A	Upper Rhyolite	2	1.04