



Certificate of Analysis

Work Order : VC131080

[Report File No.: 0000000982]

To: **Chris S. LeBlanc**
COD SGS ASSAYERS
C/O F406501 SGS ASSAYERS
8282 SHERBROOKE STREET
VANCOUVER BC V5X 4R6

Date: Jun 03, 2013

P.O. No. : Northern Waterworks RL1301424PC/LD130118
Project No. : -
No. Of Samples : 51
Date Submitted : May 13, 2013
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files:

Comments:

ICM12B package.

Boron values are informational only.

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	Al ICM12B 0.01 %	B ICM12B 10 ppm	Ba ICM12B 5 ppm	Ca ICM12B 0.01 %	Cr ICM12B 1 ppm	Cu ICM12B 0.5 ppm	Fe ICM12B 0.01 %	K ICM12B 0.01 %	Li ICM12B 1 ppm	Mg ICM12B 0.01 %
UK-001-13	1.07	40	26	0.57	196	38.8	1.94	0.13	19	0.98
CT-010-13	2.80	<10	129	0.60	438	336	14.7	0.63	52	1.96
TR10-001-13	1.91	10	53	1.10	27	1280	11.6	0.15	45	0.53
TR10-002-13	0.88	20	42	0.17	42	190	8.94	0.38	10	0.30
TR10-003-13	1.74	<10	166	0.04	67	155	12.7	1.54	21	1.45
TR10-004-13	0.95	<10	30	0.29	19	385	11.0	0.04	13	0.23
TR10-005-13	0.74	40	15	0.87	130	40.7	1.54	0.06	11	0.74
TR10-006-13	1.61	<10	72	0.44	115	397	14.7	0.43	37	0.79
TR10-007-13	1.84	20	30	0.87	22	406	8.22	0.10	21	0.34
TR10-008-13	2.71	<10	123	0.15	430	730	10.4	1.94	48	2.02
TR10-009-13	1.96	<10	74	0.61	31	288	>15.0	0.22	46	0.51
TR10-011-13	0.24	30	8	7.55	14	25.4	2.15	<0.01	<1	0.05
TR10-012-13	0.31	30	19	>15.0	25	61.1	4.12	0.05	5	6.65
TR10-013-13	2.17	30	121	0.96	340	56.1	2.77	0.84	32	1.53
TR10-014-13	1.17	30	56	0.76	189	77.5	2.02	0.19	19	0.99
TR10-015-13	1.03	30	22	0.80	177	66.3	1.70	0.11	19	0.90
TR10-016-13	1.12	30	22	0.63	303	20.0	2.26	0.12	22	1.13
TR11-017-13	1.20	30	21	1.35	73	81.8	2.52	0.05	17	1.40
CTR-004-13	1.85	<10	79	1.00	77	1310	>15.0	0.09	10	0.39
CTR-005-13	0.94	30	19	6.56	24	104	4.68	0.34	23	0.56
GBZ-001-13	3.23	30	151	1.09	246	50.7	3.44	1.20	52	1.79
GBZ-002-13	1.12	40	21	1.05	158	32.4	1.28	0.15	21	1.05
GBZ-003-13	1.23	30	52	0.52	113	59.9	2.38	0.38	27	1.23
GBZ-004-13	0.60	40	8	0.67	54	78.5	1.29	0.02	13	0.71
GBZ-005-13	0.22	20	19	1.06	23	50.4	5.73	0.04	<1	0.11
GBZ-006-13	0.15	<10	26	0.66	21	57.4	7.93	0.02	<1	0.11
GBZ-007-13	1.87	<10	126	0.63	11	60.8	8.02	0.50	44	0.96
GBZ-008-13	0.12	40	11	0.60	32	158	3.67	0.02	<1	0.18
GBZ-009-13	0.13	30	10	0.61	19	78.7	2.21	0.01	2	0.30
GBZ-010-13	2.01	30	64	0.58	81	91.0	5.40	0.61	44	1.36
GBZ-011-13	0.89	30	30	1.26	34	109	3.23	0.21	13	0.73
GBZ-012-13	1.42	40	63	0.49	242	47.7	2.30	0.68	35	1.19
GBZ-013-13	2.55	20	175	0.87	108	110	6.12	1.27	62	1.66
GBZ-014-13	0.77	30	73	0.67	30	312	4.83	0.18	20	1.26
GBZ-015-13	1.16	30	101	0.62	46	204	2.76	0.72	30	0.92
GBZ-016-13	0.89	10	71	0.38	16	89.7	8.56	0.20	19	0.51
GBZ-017-13	0.16	<10	43	1.04	17	64.1	11.2	0.02	2	0.27
GBZ-018-13	0.54	40	23	0.82	53	48.5	1.28	0.06	9	0.63
GBZ-019-13	0.93	30	39	0.92	83	31.8	1.76	0.12	16	0.91
GBZ-020-13	1.79	20	145	0.47	151	138	3.47	0.77	49	1.98
JL-020-13	2.38	<10	44	0.07	33	234	9.69	0.34	79	1.41
JL-021-13	0.26	30	19	0.66	25	73.3	4.43	0.05	2	0.14
JL-022-13	2.87	10	108	0.85	41	190	9.13	1.33	59	1.08

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Element	Al	B	Ba	Ca	Cr	Cu	Fe	K	Li	Mg
Method	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B
Det.Lim.	0.01	10	5	0.01	1	0.5	0.01	0.01	1	0.01
Units	%	ppm	ppm	%	ppm	ppm	%	%	ppm	%
JL-023-13	0.19	30	11	2.22	25	149	2.79	<0.01	<1	0.04
JL-024-13	0.03	20	15	0.95	20	44.2	5.26	<0.01	<1	0.08
JL-025-13	0.07	20	18	0.70	20	69.8	5.69	<0.01	<1	0.10
JL-026-13	0.06	<10	44	0.83	8	257	14.0	<0.01	<1	0.06
JL-027-13	1.77	<10	78	1.42	166	460	12.1	0.51	28	0.68
JL-028-13	1.51	10	48	2.34	110	297	7.77	0.42	15	0.58
JL-029-13	3.82	<10	163	1.08	71	331	10.2	1.24	68	1.45
JL-030-13	3.33	<10	134	0.98	59	390	9.90	0.90	61	1.29

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Element Method Det.Lim. Units	Mn ICM12B 2 ppm	Na ICM12B 0.01 %	Ni ICM12B 0.5 ppm	P ICM12B 50 ppm	S ICM12B 0.01 %	Ti ICM12B 0.01 %	V ICM12B 1 ppm	Zn ICM12B 1 ppm	Zr ICM12B 0.5 ppm	Sr ICM12B 0.5 ppm
UK-001-13	246	0.08	86.1	100	<0.01	0.08	46	20	3.6	5.6
CT-010-13	532	0.02	99.0	200	1.56	0.12	116	481	5.2	5.9
TR10-001-13	527	0.08	83.9	570	>5.00	0.07	44	127	11.4	17.8
TR10-002-13	100	0.07	16.3	240	2.23	0.08	49	41	10.8	16.7
TR10-003-13	261	0.05	11.8	460	2.70	0.14	73	48	13.5	20.0
TR10-004-13	296	0.02	36.3	130	3.42	0.04	12	217	5.1	5.2
TR10-005-13	237	0.08	70.4	170	0.06	0.07	33	14	2.5	4.8
TR10-006-13	457	0.05	103	140	>5.00	0.07	42	231	7.8	7.9
TR10-007-13	262	0.07	51.4	150	4.43	0.04	19	151	7.7	13.2
TR10-008-13	478	0.04	81.0	250	4.45	0.18	109	135	5.6	16.4
TR10-009-13	130	0.08	152	290	>5.00	0.07	37	62	14.8	14.0
TR10-011-13	1300	<0.01	5.6	80	0.26	<0.01	4	19	3.5	46.3
TR10-012-13	2570	0.02	37.7	80	0.51	<0.01	16	21	1.2	58.3
TR10-013-13	238	0.10	109	220	0.09	0.13	73	36	2.8	13.1
TR10-014-13	278	0.09	92.9	200	0.09	0.08	53	23	3.0	8.2
TR10-015-13	234	0.08	87.5	200	0.09	0.07	39	16	2.1	6.5
TR10-016-13	316	0.06	91.6	210	0.01	0.12	53	33	2.6	4.1
TR11-017-13	430	0.10	44.9	220	0.08	0.05	57	29	3.7	8.4
CTR-004-13	266	0.04	237	280	>5.00	0.06	26	42	18.0	16.9
CTR-005-13	827	0.02	39.0	170	3.81	0.03	23	268	9.2	28.0
GBZ-001-13	351	0.18	75.2	200	0.04	0.17	107	38	2.1	27.3
GBZ-002-13	209	0.09	67.9	130	0.04	0.05	27	20	1.5	16.0
GBZ-003-13	213	0.10	37.6	200	0.04	0.08	61	28	3.8	4.5
GBZ-004-13	205	0.07	35.6	220	0.11	0.06	31	14	2.8	4.1
GBZ-005-13	718	0.03	13.8	60	0.79	<0.01	5	19	2.1	3.8
GBZ-006-13	775	0.02	15.5	90	0.93	<0.01	5	16	2.2	3.1
GBZ-007-13	256	0.01	10.4	430	1.06	0.07	14	57	3.4	6.0
GBZ-008-13	281	0.02	75.4	170	2.39	<0.01	4	9	1.7	3.6
GBZ-009-13	219	0.02	26.5	150	0.68	<0.01	5	7	1.1	5.0
GBZ-010-13	519	0.06	70.9	190	0.24	0.20	88	43	2.5	5.1
GBZ-011-13	360	0.07	54.6	690	0.94	0.10	43	19	3.9	14.1
GBZ-012-13	249	0.07	79.8	170	0.03	0.14	62	30	2.0	6.6
GBZ-013-13	568	0.09	96.9	270	0.33	0.25	122	55	2.3	13.9
GBZ-014-13	480	0.03	72.8	160	1.21	0.03	25	27	2.8	7.1
GBZ-015-13	357	0.07	28.8	670	0.34	0.14	46	36	17.5	19.2
GBZ-016-13	341	0.02	14.6	330	1.43	0.03	11	33	3.9	3.4
GBZ-017-13	485	0.02	12.1	710	1.08	0.01	15	14	3.2	7.0
GBZ-018-13	176	0.08	30.1	220	0.05	0.06	35	15	3.2	3.6
GBZ-019-13	232	0.08	31.3	210	0.05	0.10	51	19	2.1	6.5
GBZ-020-13	240	0.07	53.1	230	0.03	0.13	97	34	3.8	4.8
JL-020-13	321	0.03	105	380	>5.00	0.04	78	1110	11.0	1.3
JL-021-13	585	0.02	18.5	340	1.01	0.01	13	114	2.0	5.7
JL-022-13	526	0.05	70.4	730	3.88	0.23	105	832	7.4	9.1

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Element	Mn	Na	Ni	P	S	Ti	V	Zn	Zr	Sr
Method	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B
Det.Lim.	2	0.01	0.5	50	0.01	0.01	1	1	0.5	0.5
Units	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
JL-023-13	302	<0.01	14.4	600	0.39	0.01	6	904	1.7	5.0
JL-024-13	428	<0.01	10.0	310	0.83	<0.01	4	55	1.5	9.2
JL-025-13	663	0.01	13.9	170	0.58	<0.01	5	54	1.7	5.8
JL-026-13	970	0.01	66.0	440	3.04	<0.01	10	212	3.5	3.8
JL-027-13	847	0.06	136	180	>5.00	0.12	84	325	4.6	12.1
JL-028-13	562	0.09	66.9	220	3.36	0.11	53	191	3.3	20.8
JL-029-13	476	0.16	143	410	>5.00	0.23	109	451	13.2	18.6
JL-030-13	371	0.10	171	380	>5.00	0.19	100	556	11.3	12.6

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Element Method Det.Lim. Units	Ag ICM12B 0.01 ppm	As ICM12B 1 ppm	Be ICM12B 0.1 ppm	Bi ICM12B 0.02 ppm	Cd ICM12B 0.01 ppm	Ce ICM12B 0.05 ppm	Co ICM12B 0.1 ppm	Cs ICM12B 0.05 ppm	Ga ICM12B 0.1 ppm	Ge ICM12B 0.1 ppm
UK-001-13	0.03	4	<0.1	0.02	0.01	14.5	18.5	1.42	2.5	<0.1
CT-010-13	0.24	5	0.3	0.51	2.50	16.0	27.4	2.00	7.5	0.1
TR10-001-13	1.25	9	0.4	0.66	0.72	24.3	11.4	0.53	6.9	0.2
TR10-002-13	0.80	6	<0.1	0.89	0.13	5.41	2.1	0.59	10.4	0.1
TR10-003-13	0.77	3	0.1	0.74	0.10	9.27	2.4	2.16	11.5	0.3
TR10-004-13	0.40	6	0.1	0.39	0.91	9.13	5.2	0.13	2.8	<0.1
TR10-005-13	0.05	5	<0.1	0.03	0.02	3.94	15.1	0.35	1.9	<0.1
TR10-006-13	1.30	7	0.2	0.93	1.19	11.8	69.8	0.93	5.1	0.2
TR10-007-13	0.44	5	0.4	0.71	0.72	10.7	5.8	0.28	5.2	<0.1
TR10-008-13	0.50	3	<0.1	0.55	0.42	5.84	25.8	3.80	8.7	0.2
TR10-009-13	2.19	55	0.4	2.73	0.53	11.2	320	0.42	6.5	0.2
TR10-011-13	0.05	4	<0.1	0.03	0.19	5.01	1.6	<0.05	0.9	<0.1
TR10-012-13	0.06	3	<0.1	0.05	0.14	5.08	18.3	0.30	0.8	<0.1
TR10-013-13	0.03	5	0.1	0.03	0.02	4.67	25.4	3.23	4.2	<0.1
TR10-014-13	0.06	6	<0.1	0.03	0.03	6.52	24.0	1.13	3.0	<0.1
TR10-015-13	0.04	11	0.1	0.02	<0.01	3.68	20.1	0.63	2.4	<0.1
TR10-016-13	0.02	2	<0.1	<0.02	0.02	3.41	19.4	0.52	3.5	<0.1
TR11-017-13	0.07	3	<0.1	0.03	0.08	14.2	21.9	0.54	3.6	<0.1
CTR-004-13	2.99	11	0.5	1.44	0.17	9.73	62.4	0.50	6.0	0.1
CTR-005-13	0.20	8	0.2	0.34	1.23	9.01	7.8	0.64	4.2	<0.1
GBZ-001-13	0.03	5	0.3	0.03	<0.01	8.73	24.4	5.15	6.6	<0.1
GBZ-002-13	0.02	3	<0.1	0.04	0.04	9.65	13.6	1.39	2.1	<0.1
GBZ-003-13	0.04	2	<0.1	0.04	0.02	8.30	16.6	3.92	3.1	<0.1
GBZ-004-13	0.04	3	<0.1	0.04	0.01	4.30	13.2	0.08	1.6	<0.1
GBZ-005-13	0.10	4	0.1	0.09	0.04	9.07	5.7	0.38	0.9	<0.1
GBZ-006-13	0.09	3	0.2	0.10	0.03	10.0	2.9	0.49	0.8	<0.1
GBZ-007-13	0.09	5	0.2	0.07	<0.01	12.3	4.2	5.75	5.9	0.3
GBZ-008-13	0.22	8	<0.1	0.26	0.03	7.07	21.1	0.19	0.5	<0.1
GBZ-009-13	0.08	3	<0.1	0.08	0.02	9.41	8.4	0.23	0.5	<0.1
GBZ-010-13	0.04	5	0.2	0.08	0.02	38.5	26.0	6.01	5.1	0.2
GBZ-011-13	0.17	4	0.2	0.10	0.05	38.1	18.4	1.26	3.2	<0.1
GBZ-012-13	0.04	3	<0.1	0.03	<0.01	4.83	18.2	3.25	3.4	<0.1
GBZ-013-13	0.09	4	0.3	0.08	0.03	7.18	33.5	9.82	6.7	0.1
GBZ-014-13	0.76	3	0.3	0.27	0.05	18.6	24.4	2.02	2.1	0.1
GBZ-015-13	0.11	3	0.2	0.06	0.02	46.4	13.1	1.45	5.9	0.1
GBZ-016-13	0.14	7	0.2	0.11	0.02	10.7	5.6	2.08	2.9	0.2
GBZ-017-13	0.17	6	0.1	0.10	0.03	13.3	5.1	0.33	1.1	0.2
GBZ-018-13	0.03	3	<0.1	0.02	0.01	4.14	11.2	0.34	1.5	<0.1
GBZ-019-13	0.02	2	<0.1	0.03	0.01	7.23	13.0	0.68	2.5	<0.1
GBZ-020-13	0.10	3	<0.1	0.04	<0.01	5.88	23.6	6.29	5.3	0.1
JL-020-13	0.35	59	0.6	1.04	0.39	15.6	50.5	1.36	9.8	<0.1
JL-021-13	0.16	22	<0.1	0.13	0.40	7.49	8.7	0.46	1.6	<0.1
JL-022-13	0.23	20	0.8	0.57	2.03	17.4	35.7	3.63	10.8	0.2

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Report File No.: 0000000982

Element	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga	Ge
Method	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B
Det.Lim.	0.01	1	0.1	0.02	0.01	0.05	0.1	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
JL-023-13	0.06	20	<0.1	0.10	4.34	13.5	6.3	0.07	1.0	<0.1
JL-024-13	0.13	6	<0.1	0.11	0.10	4.07	4.3	0.10	0.6	<0.1
JL-025-13	0.11	25	<0.1	0.08	0.12	4.37	5.0	0.15	0.7	<0.1
JL-026-13	0.67	12	<0.1	0.40	0.53	7.00	24.6	0.24	1.7	<0.1
JL-027-13	0.82	5	0.3	0.77	0.92	4.01	64.1	1.71	7.3	0.1
JL-028-13	0.21	7	0.2	0.44	0.47	4.59	33.2	1.46	5.8	0.1
JL-029-13	0.55	9	1.1	0.73	1.36	14.7	68.0	3.37	12.4	0.2
JL-030-13	0.57	5	1.1	0.85	2.38	16.1	73.2	2.15	11.1	0.2

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Report File No.: 0000000982

Element Method Det.Lim. Units	Hf ICM12B 0.05 ppm	Hg ICM12B 0.01 ppm	In ICM12B 0.02 ppm	La ICM12B 0.1 ppm	Lu ICM12B 0.01 ppm	Mo ICM12B 0.05 ppm	Nb ICM12B 0.05 ppm	Pb ICM12B 0.2 ppm	Rb ICM12B 0.2 ppm	Sb ICM12B 0.05 ppm
UK-001-13	0.09	<0.01	<0.02	6.9	0.05	0.52	<0.05	0.6	5.6	0.13
CT-010-13	0.08	0.01	0.21	7.6	0.12	0.74	<0.05	3.8	34.6	0.22
TR10-001-13	0.26	0.02	0.15	11.0	0.10	2.89	0.17	7.3	6.9	0.66
TR10-002-13	0.21	<0.01	0.04	2.9	0.03	2.46	0.14	6.5	16.0	0.39
TR10-003-13	0.23	0.01	0.06	3.9	0.03	2.74	0.17	4.7	46.5	0.08
TR10-004-13	0.09	0.01	0.07	4.2	0.09	1.67	0.11	2.6	1.6	0.45
TR10-005-13	0.08	<0.01	<0.02	1.9	0.05	0.25	<0.05	1.2	2.9	0.16
TR10-006-13	0.11	0.01	0.08	5.9	0.09	2.25	0.06	6.0	16.0	0.52
TR10-007-13	0.15	<0.01	0.04	4.8	0.12	2.04	<0.05	3.3	5.3	0.44
TR10-008-13	0.07	<0.01	0.05	2.8	0.02	1.22	<0.05	3.3	57.4	0.09
TR10-009-13	0.26	<0.01	0.07	5.0	0.07	5.94	0.16	23.1	10.1	1.02
TR10-011-13	0.08	<0.01	0.03	2.7	0.10	1.09	<0.05	1.2	0.4	0.05
TR10-012-13	<0.05	<0.01	<0.02	3.8	0.05	0.26	<0.05	3.9	2.3	0.30
TR10-013-13	0.05	<0.01	<0.02	2.4	0.03	0.61	<0.05	1.1	31.8	0.07
TR10-014-13	0.07	<0.01	<0.02	4.1	0.06	0.75	<0.05	1.0	9.9	0.17
TR10-015-13	<0.05	<0.01	<0.02	1.8	0.03	2.19	<0.05	1.1	5.1	0.08
TR10-016-13	0.06	<0.01	<0.02	2.1	0.05	1.06	<0.05	0.6	6.7	0.09
TR11-017-13	0.10	<0.01	<0.02	3.7	0.06	0.44	<0.05	2.3	3.1	0.26
CTR-004-13	0.38	<0.01	0.07	3.9	0.13	4.77	0.27	29.9	4.9	1.45
CTR-005-13	0.21	<0.01	0.13	4.4	0.08	2.22	<0.05	6.8	15.2	0.40
GBZ-001-13	<0.05	<0.01	<0.02	3.9	0.03	0.77	<0.05	1.1	53.4	<0.05
GBZ-002-13	<0.05	<0.01	<0.02	4.4	0.04	0.80	<0.05	0.6	8.4	<0.05
GBZ-003-13	0.10	<0.01	<0.02	4.7	0.04	3.05	<0.05	0.7	22.6	0.07
GBZ-004-13	0.09	<0.01	<0.02	2.4	0.04	17.4	<0.05	0.9	0.5	0.09
GBZ-005-13	<0.05	0.02	<0.02	2.7	0.03	2.45	<0.05	2.6	2.1	0.07
GBZ-006-13	<0.05	<0.01	<0.02	3.8	0.04	1.89	<0.05	1.6	2.5	0.08
GBZ-007-13	<0.05	0.01	0.02	5.3	0.04	1.49	0.07	5.1	28.3	0.06
GBZ-008-13	<0.05	<0.01	<0.02	3.7	0.10	2.59	<0.05	10.9	1.0	0.13
GBZ-009-13	<0.05	0.01	<0.02	4.5	0.03	1.91	<0.05	2.3	1.2	0.11
GBZ-010-13	<0.05	<0.01	<0.02	21.1	0.06	0.96	<0.05	1.4	37.3	0.05
GBZ-011-13	0.10	0.03	<0.02	18.4	0.06	2.36	<0.05	2.8	13.1	0.14
GBZ-012-13	<0.05	<0.01	<0.02	2.3	0.03	0.20	<0.05	1.1	29.6	<0.05
GBZ-013-13	<0.05	0.02	<0.02	4.1	0.06	0.91	<0.05	1.6	73.1	<0.05
GBZ-014-13	<0.05	<0.01	0.06	7.9	0.08	4.12	<0.05	14.0	10.8	0.15
GBZ-015-13	0.47	<0.01	<0.02	22.8	0.14	1.71	0.12	2.4	40.0	0.11
GBZ-016-13	<0.05	<0.01	<0.02	4.5	0.05	2.54	0.05	7.7	10.5	0.12
GBZ-017-13	<0.05	0.02	<0.02	4.9	0.06	1.97	<0.05	6.4	2.3	0.14
GBZ-018-13	0.10	<0.01	<0.02	1.9	0.06	7.67	<0.05	0.9	2.7	0.16
GBZ-019-13	0.07	<0.01	<0.02	3.2	0.07	0.82	<0.05	0.6	5.6	0.07
GBZ-020-13	0.08	<0.01	<0.02	4.6	0.04	2.72	<0.05	0.7	36.0	0.08
JL-020-13	0.20	<0.01	0.21	7.8	0.09	5.46	<0.05	11.5	10.8	1.12
JL-021-13	<0.05	<0.01	0.05	3.3	0.07	2.33	<0.05	5.7	2.9	0.28
JL-022-13	0.11	<0.01	0.35	7.7	0.13	3.02	0.21	19.8	52.0	0.31

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Element	Hf	Hg	In	La	Lu	Mo	Nb	Pb	Rb	Sb
Method	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B	ICM12B
Det.Lim.	0.05	0.01	0.02	0.1	0.01	0.05	0.05	0.2	0.2	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
JL-023-13	<0.05	<0.01	0.13	6.3	0.16	2.49	0.06	4.9	0.6	0.23
JL-024-13	<0.05	<0.01	<0.02	2.3	0.03	1.62	<0.05	2.8	0.4	0.17
JL-025-13	<0.05	<0.01	<0.02	2.4	0.04	1.81	<0.05	2.9	0.9	0.15
JL-026-13	<0.05	0.01	0.03	3.8	0.07	0.84	<0.05	1.2	0.4	0.24
JL-027-13	0.05	0.01	0.08	2.1	0.05	1.81	<0.05	9.8	18.6	0.17
JL-028-13	<0.05	<0.01	0.06	2.8	0.10	1.02	<0.05	5.8	16.5	0.12
JL-029-13	0.23	<0.01	0.09	6.9	0.09	3.30	0.09	19.4	47.6	0.15
JL-030-13	0.21	<0.01	0.12	7.2	0.10	3.42	0.09	15.7	34.4	0.20

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Report File No.: 0000000982

Element Method Det.Lim. Units	Sc ICM12B 0.1 ppm	Se ICM12B 1 ppm	Sn ICM12B 0.3 ppm	Ta ICM12B 0.05 ppm	Tb ICM12B 0.02 ppm	Te ICM12B 0.05 ppm	Th ICM12B 0.1 ppm	Ti ICM12B 0.02 ppm	U ICM12B 0.05 ppm	W ICM12B 0.1 ppm
UK-001-13	4.8	<1	<0.3	<0.05	0.12	<0.05	1.3	0.09	0.17	0.3
CT-010-13	9.0	<1	0.9	<0.05	0.25	0.12	0.9	0.70	0.23	2.2
TR10-001-13	4.0	3	2.4	<0.05	0.30	0.43	2.6	0.12	0.55	3.3
TR10-002-13	2.8	2	1.6	<0.05	0.06	0.55	1.9	0.18	0.18	0.9
TR10-003-13	8.8	3	1.5	<0.05	0.06	0.31	3.3	0.95	0.23	0.4
TR10-004-13	1.5	2	1.2	<0.05	0.17	0.26	0.8	0.03	0.18	3.8
TR10-005-13	4.7	<1	<0.3	<0.05	0.09	<0.05	0.8	0.04	0.10	0.4
TR10-006-13	3.5	3	1.0	<0.05	0.19	0.71	1.2	0.31	0.24	2.3
TR10-007-13	1.9	2	1.5	<0.05	0.17	0.42	1.9	0.05	0.31	1.9
TR10-008-13	6.6	2	0.7	<0.05	0.04	0.34	1.8	1.18	0.19	0.4
TR10-009-13	3.5	5	1.9	<0.05	0.15	1.36	2.1	0.21	0.38	1.2
TR10-011-13	0.6	<1	<0.3	<0.05	0.08	<0.05	0.5	<0.02	0.06	0.2
TR10-012-13	1.3	<1	<0.3	<0.05	0.11	0.05	<0.1	0.03	<0.05	2.4
TR10-013-13	5.0	<1	<0.3	<0.05	0.07	<0.05	0.9	0.31	0.10	3.6
TR10-014-13	6.3	<1	<0.3	<0.05	0.11	<0.05	0.9	0.11	0.12	4.1
TR10-015-13	3.9	<1	<0.3	<0.05	0.07	<0.05	0.9	0.10	0.11	0.7
TR10-016-13	4.6	<1	<0.3	<0.05	0.09	<0.05	0.8	0.06	0.11	1.9
TR11-017-13	6.6	<1	<0.3	<0.05	0.13	<0.05	1.2	0.06	0.14	0.2
CTR-004-13	2.9	5	1.5	<0.05	0.21	2.03	1.9	0.12	0.32	1.9
CTR-005-13	3.5	2	0.6	<0.05	0.13	0.31	1.2	0.31	0.16	1.9
GBZ-001-13	5.6	<1	<0.3	<0.05	0.09	<0.05	1.1	0.57	0.13	2.9
GBZ-002-13	3.3	<1	<0.3	<0.05	0.08	<0.05	0.6	0.11	0.10	1.6
GBZ-003-13	6.3	<1	<0.3	<0.05	0.08	<0.05	1.2	0.23	0.18	1.3
GBZ-004-13	4.1	<1	<0.3	<0.05	0.07	<0.05	0.9	<0.02	0.12	0.2
GBZ-005-13	0.4	<1	<0.3	<0.05	0.06	0.18	0.6	0.04	0.08	7.2
GBZ-006-13	0.3	<1	<0.3	<0.05	0.06	0.20	0.7	0.05	0.09	3.2
GBZ-007-13	2.3	<1	0.6	<0.05	0.13	0.29	1.8	0.45	0.14	8.5
GBZ-008-13	0.7	2	<0.3	<0.05	0.17	0.33	0.3	0.15	0.10	1.3
GBZ-009-13	0.5	<1	<0.3	<0.05	0.09	0.08	0.2	0.07	0.06	1.0
GBZ-010-13	5.4	<1	<0.3	<0.05	0.19	0.10	0.7	0.47	0.18	6.1
GBZ-011-13	3.3	<1	<0.3	<0.05	0.25	0.11	2.3	0.17	0.25	9.9
GBZ-012-13	3.6	<1	<0.3	<0.05	0.07	<0.05	0.9	0.33	0.11	2.5
GBZ-013-13	7.7	<1	<0.3	<0.05	0.13	0.08	0.3	0.77	0.08	17.9
GBZ-014-13	2.8	2	<0.3	<0.05	0.16	0.32	0.8	0.36	0.21	2.7
GBZ-015-13	3.6	<1	0.5	<0.05	0.35	<0.05	3.8	0.24	0.71	1.5
GBZ-016-13	1.1	<1	0.3	<0.05	0.10	0.34	1.1	0.23	0.15	3.3
GBZ-017-13	0.6	<1	<0.3	<0.05	0.12	0.34	0.4	0.17	0.11	6.0
GBZ-018-13	5.0	<1	<0.3	<0.05	0.11	<0.05	1.1	0.04	0.15	1.4
GBZ-019-13	6.1	<1	<0.3	<0.05	0.15	<0.05	0.7	0.05	0.12	2.7
GBZ-020-13	7.8	<1	<0.3	<0.05	0.09	<0.05	1.2	0.42	0.16	0.1
JL-020-13	5.8	5	1.6	<0.05	0.16	1.20	2.2	0.33	0.58	0.8
JL-021-13	1.1	1	0.6	<0.05	0.16	0.26	0.3	0.08	0.10	1.4
JL-022-13	12.8	3	3.3	<0.05	0.33	0.67	2.3	1.12	0.28	5.0

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Element Method Det.Lim. Units	Sc ICM12B 0.1 ppm	Se ICM12B 1 ppm	Sn ICM12B 0.3 ppm	Ta ICM12B 0.05 ppm	Tb ICM12B 0.02 ppm	Te ICM12B 0.05 ppm	Th ICM12B 0.1 ppm	Ti ICM12B 0.02 ppm	U ICM12B 0.05 ppm	W ICM12B 0.1 ppm
JL-023-13	0.8	<1	0.6	<0.05	0.34	0.13	0.4	<0.02	0.13	1.7
JL-024-13	<0.1	<1	<0.3	<0.05	0.06	0.21	0.1	0.03	<0.05	1.2
JL-025-13	0.2	<1	<0.3	<0.05	0.07	0.16	0.1	0.03	<0.05	1.2
JL-026-13	0.3	2	0.4	<0.05	0.11	0.87	0.2	<0.02	0.11	1.9
JL-027-13	7.6	5	1.4	<0.05	0.08	1.46	0.5	0.31	0.07	4.4
JL-028-13	5.1	2	1.1	<0.05	0.12	0.74	0.3	0.23	0.07	3.8
JL-029-13	12.9	4	2.6	<0.05	0.23	1.47	2.8	0.69	0.45	3.8
JL-030-13	11.9	4	1.9	<0.05	0.26	1.69	2.8	0.52	0.40	2.5

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Element Method Det.Lim. Units	Y ICM12B 0.05 ppm	Yb ICM12B 0.1 ppm	Fe ICP90Q 0.01 %
UK-001-13	3.09	0.3	N.A.
CT-010-13	6.98	0.8	N.A.
TR10-001-13	8.10	0.7	N.A.
TR10-002-13	1.55	0.2	N.A.
TR10-003-13	1.43	0.2	N.A.
TR10-004-13	5.05	0.6	N.A.
TR10-005-13	3.00	0.3	N.A.
TR10-006-13	5.29	0.5	N.A.
TR10-007-13	5.57	0.7	N.A.
TR10-008-13	1.13	0.1	N.A.
TR10-009-13	3.94	0.4	24.6
TR10-011-13	4.82	0.6	N.A.
TR10-012-13	3.97	0.3	N.A.
TR10-013-13	1.87	0.2	N.A.
TR10-014-13	3.37	0.4	N.A.
TR10-015-13	2.01	0.2	N.A.
TR10-016-13	3.10	0.3	N.A.
TR11-017-13	3.94	0.4	N.A.
CTR-004-13	7.56	0.9	27.1
CTR-005-13	5.15	0.5	N.A.
GBZ-001-13	2.32	0.2	N.A.
GBZ-002-13	2.40	0.3	N.A.
GBZ-003-13	2.59	0.3	N.A.
GBZ-004-13	2.36	0.3	N.A.
GBZ-005-13	2.00	0.2	N.A.
GBZ-006-13	2.19	0.2	N.A.
GBZ-007-13	2.81	0.3	N.A.
GBZ-008-13	6.27	0.6	N.A.
GBZ-009-13	2.80	0.2	N.A.
GBZ-010-13	5.18	0.4	N.A.
GBZ-011-13	5.33	0.4	N.A.
GBZ-012-13	1.98	0.2	N.A.
GBZ-013-13	3.93	0.4	N.A.
GBZ-014-13	4.79	0.5	N.A.
GBZ-015-13	9.11	0.9	N.A.
GBZ-016-13	2.84	0.3	N.A.
GBZ-017-13	3.83	0.4	N.A.
GBZ-018-13	3.69	0.4	N.A.
GBZ-019-13	4.92	0.5	N.A.
GBZ-020-13	2.58	0.3	N.A.
JL-020-13	3.45	0.5	N.A.
JL-021-13	4.87	0.5	N.A.
JL-022-13	7.88	0.8	N.A.

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Element	Y	Yb	Fe
Method	ICM12B	ICM12B	ICP90Q
Det.Lim.	0.05	0.1	0.01
Units	ppm	ppm	%
JL-023-13	10.5	1.0	N.A.
JL-024-13	2.83	0.2	N.A.
JL-025-13	3.21	0.3	N.A.
JL-026-13	4.37	0.4	N.A.
JL-027-13	2.64	0.3	N.A.
JL-028-13	5.37	0.6	N.A.
JL-029-13	6.23	0.6	N.A.
JL-030-13	6.63	0.7	N.A.

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