

Bondar-Clegg & Company Ltd.  
5420 Canotek Road  
Ottawa, Ontario  
K1J 9G2  
(613) 749-2220 Telex 053-3233



802693

Tantalus  
Project  
104B/9

# Geochemical Lab Report

REPORT: 091-41725.0 ( COMPLETE )

REFERENCE INFO:

CLIENT: TANTALUS RESOURCES LTD.  
PROJECT: 79003

SUBMITTED BY: S. BALLANTYNE  
DATE PRINTED: 18-JUN-91

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Na	Sodium	115	0.02 PCT		Neutron Activation
2	Sc	Scandium	115	0.2 PPM		Neutron Activation
3	Cr	Chromium	115	20 PPM		Neutron Activation
4	Fe	Iron	115	0.2 PCT		Neutron Activation
5	Co	Cobalt	115	5 PPM		Neutron Activation
6	Ni	Nickel	115	10 PPM		Neutron Activation
7	Zn	Zinc	115	100 PPM		Neutron Activation
8	As	Arsenic	115	0.5 PPM		Neutron Activation
9	Se	Selenium	115	5 PPM		Neutron Activation
10	Br	Bromine	115	0.5 PPM		Neutron Activation
11	Rb	Rubidium	115	5 PPM		Neutron Activation
12	Zr	Zirconium	115	200 PPM		Neutron Activation
13	Mo	Molybdenum	115	1 PPM		Neutron Activation
14	Ag	Silver	115	2 PPM		Neutron Activation
15	Cd	Cadmium	115	5 PPM		Neutron Activation
16	Sn	Tin	115	100 PPM		Neutron Activation
17	Sb	Antimony	115	0.1 PPM		Neutron Activation
18	Te	Tellurium	115	10 PPM		Neutron Activation
19	Cs	Cesium	115	0.5 PPM		Neutron Activation
20	Ba	Barium	115	50 PPM		Neutron Activation
21	La	Lanthanum	115	2 PPM		Neutron Activation
22	Ce	Cerium	115	5 PPM		Neutron Activation
23	Sm	Samarium	115	0.10 PPM		Neutron Activation
24	Eu	Europium	115	1 PPM		Neutron Activation
25	Tb	Terbium	115	0.5 PPM		Neutron Activation
26	Yb	Ytterbium	115	2 PPM		Neutron Activation
27	Lu	Lutetium	115	0.2 PPM		Neutron Activation
28	Hf	Hafnium	115	1 PPM		Neutron Activation
29	Ta	Tantalum	115	0.5 PPM		Neutron Activation
30	W	Tungsten	115	1 PPM		Neutron Activation
31	Ir	Iridium	115	50 PPB		Neutron Activation
32	Au	Gold	115	2 PPB		Neutron Activation
33	Th	Thorium	115	0.2 PPM		Neutron Activation
34	U	Uranium	115	0.2 PPM		Neutron Activation
35	WT	Test Weight	115	0.01 g		

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SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
PREPARED PULP	115	AS RECEIVED	115	As Received, No SP	115

REPORT COPIES TO: P. LOUGHEED  
FAX: (604) 687-2309  
GEOLOGICAL SURVEY CANADA

INVOICE TO: P. LOUGHEED

A handwritten signature in black ink, located in the bottom right corner of the page. The signature is stylized and appears to be a first name followed by a last name.

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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
1048 899679	KQ-89-105A	2.28	8.5	<20	3.7	13	<10	150	1.5	<5	<1.4	86	<200
1048 899680	105B	1.50	12.0	92	3.2	12	18	<100	12.0	<5	<0.5	140	<200
1048 899681	105C	0.22	8.5	<20	4.8	15	<10	<100	110.0	20	2.1	280	<200
1048 899682	105D	3.09	10.0	23	4.8	<5	<10	<230	4.4	<5	<0.5	52	890
1048 899683	105D	1.00	18.0	240	3.6	18	49	<100	21.0	<5	<0.5	120	<200
1048 899684	106A	1.30	17.0	<20	2.4	8	<10	<100	11.0	<5	<0.5	67	<200
1048 899685	106B	0.61	14.0	<20	7.4	10	<10	<100	2.0	<5	<0.5	7	<200
1048 899686	106C	1.90	6.9	<20	1.3	<5	<10	<100	3.5	<5	5.4	58	<200
1048 899687	106D	0.67	2.8	<20	3.5	<5	<10	<100	7.3	<5	<0.5	50	370
1048 899688	106E	3.27	19.0	33	7.2	20	<10	140	5.8	<5	<1.1	48	<200
1048 899689	89-106F	2.77	23.3	160	4.6	28	50	<100	<0.5	<5	<0.5	<5	<200
1048 899717	KQ-89-120A	0.03	3.4	24	15.0	16	<10	<100	181.0	<5	3.4	<5	<200
1048 899718	120B	2.20	24.0	31	5.2	12	<10	<100	14.0	<5	4.5	71	<200
1048 899719	120C	0.04	6.5	<20	12.0	18	<10	<100	97.0	<5	0.5	<5	<200
1048 899720	120D	0.15	13.0	57	11.0	10	<10	<100	103.0	<5	<0.5	160	<200
1048 899721	121A	0.48	2.8	<20	0.9	<5	<10	<100	21.0	<5	<0.5	130	350
1048 899722	121B	1.70	24.2	140	6.9	34	52	140	0.7	<5	<0.5	44	360
1048 899723	121C	2.67	16.0	27	6.7	21	<10	<100	1.1	<5	<1.2	25	<200
1048 899724	121D	2.30	18.0	190	4.9	27	67	<100	0.9	<5	<0.5	23	<200
1048 899725	121D	0.45	3.3	<20	1.0	<5	<10	<100	4.0	<5	<0.5	24	<200
1048 899726	121E	1.70	2.3	21	0.8	<5	<10	<100	2.0	<5	<1.4	86	<200
1048 899727	121F	3.74	11.0	87	3.2	20	<10	<100	5.0	<5	<0.5	13	430
1048 899728	KQ-89-122A	2.50	13.0	<20	5.0	12	10	<100	21.0	<5	<1.2	22	<200
1048 899729	122B	2.69	26.5	44	6.7	28	30	110	1.3	<5	<0.5	<5	<200
1048 899730	122C	0.47	2.6	<20	0.9	<5	<10	<100	23.0	<5	<0.5	140	490
1048 899731	122D	1.70	9.1	<20	3.1	<5	<10	380	17.0	<5	<0.5	79	<200
1048 899732	122E	0.71	20.3	83	2.1	13	26	<100	54.0	<5	<0.5	160	<200
1048 899733	122F	0.06	4.8	<20	2.1	<5	<10	<100	6.7	<5	<0.5	61	320
1048 899734	122G	0.51	5.5	<20	1.3	<5	<10	<100	33.0	<5	<0.5	50	<200
1048 899735	122H	3.43	3.2	25	1.6	<5	<10	160	10.0	<5	<1.1	63	<200
1048 899736	123	1.90	25.6	330	5.5	38	100	<100	0.8	<5	<0.5	8	<200
1048 899737	124	3.64	8.7	<20	1.1	<5	<10	<100	3.1	<5	<0.5	<5	<200
1048 899738	125A	4.20	4.3	32	1.1	<5	<10	<100	10.0	<5	<1.1	28	<200
1048 899739	125B	3.46	17.0	21	5.5	<5	<10	<100	2.6	<5	<0.5	61	<200
1048 899740	125C	3.03	28.9	54	11.0	45	<10	160	18.0	<5	<1.1	<5	530
1048 899741	126A	2.98	6.8	<20	2.4	6	<10	<100	10.0	<5	5.0	78	<200
1048 899742	KQ-89-126A	3.15	6.4	<20	0.8	<5	<10	<100	1.1	<5	3.9	75	590
1048 899743	126B	2.24	6.3	<20	0.9	<5	<10	<100	1.4	<5	<1.1	110	480
1048 899744	126C	1.90	3.8	<20	0.8	<5	<10	<100	7.8	<5	<0.5	92	<200
1048 899745	127A	1.60	4.4	20	1.0	<5	<10	<100	2.9	<5	<0.5	120	410





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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
104B 899679	KQ-89-105A	<1	<2	<5	<100	1.0	<10	1.7	2100	8	23	2.90	<1
104B 899680	105B	4	<2	<5	<100	5.0	<10	2.9	2900	14	33	3.50	<1
104B 899681	—	88	<2	<5	<100	37.7	<10	1.9	4500	14	16	1.50	<1
104B 899682	105C	13	<2	<5	<100	7.7	<10	0.7	1500	33	79	9.20	2
104B 899683	105D	<1	<2	<5	<100	3.1	<10	1.4	3100	12	23	3.00	<1
104B 899684	106A	1	<2	<5	<100	1.3	<10	1.7	1600	18	48	4.60	<1
104B 899685	106B	1	<2	<5	<100	0.6	<10	1.0	350	11	31	4.00	<1
104B 899686	106C	<1	<2	<5	<100	0.9	<10	1.9	2200	24	50	5.20	<1
104B 899687	106D	5	<2	<5	<100	2.5	<10	2.4	910	21	50	5.10	<1
104B 899688	106E	<1	<2	<5	<100	1.9	<10	1.8	810	23	58	7.40	1
104B 899689	106F	<1	<2	<5	<100	0.3	<10	0.5	490	15	31	3.90	<1
104B 899717	KQ-89-120A	4	16	<5	<100	13.5	<10	<0.5	<50	6	15	1.50	<1
104B 899718	120B	<1	<2	<5	<100	8.8	<10	<0.5	2300	7	16	2.00	<1
104B 899719	120C	4	5	<5	<100	8.6	<10	<0.5	<50	9	17	2.20	<1
104B 899720	120D	4	4	<5	<100	10.8	<10	1.3	2600	5	11	1.30	<1
104B 899721	—	3	<2	<5	<100	3.5	<10	2.1	3600	18	36	2.30	<1
104B 899722	121A	<1	<2	<5	<100	1.0	<10	2.0	1400	22	56	5.70	<1
104B 899723	121B	<1	<2	<5	<100	1.0	<10	1.7	2100	36	83	9.40	3
104B 899724	121C	<1	<2	<5	<100	0.3	<10	3.5	1300	21	47	4.40	<1
104B 899725	121D	2	<2	<5	<100	2.1	<10	1.1	460	8	17	2.10	<1
104B 899726	KQ-89-121E	3	<2	<5	<100	0.9	<10	1.4	3300	21	44	3.20	<1
104B 899727	—	<1	<2	<5	<100	1.1	<10	<0.5	330	21	57	7.40	<1
104B 899728	122A	<1	<2	<5	<100	2.2	<10	1.2	260	16	42	5.20	<1
104B 899729	122B	<1	<2	<5	<100	0.6	<10	0.8	1600	13	37	5.40	1
104B 899730	122C	3	<2	<5	<100	3.6	<10	1.6	3700	17	31	2.50	<1
104B 899731	122D	11	<2	12	<100	4.7	<10	2.3	2500	25	67	5.90	<1
104B 899732	122E	8	<2	<5	<100	3.9	<10	4.3	3800	15	37	4.40	<1
104B 899733	122F	5	3	<5	<100	4.0	<10	2.2	320	15	22	1.70	<1
104B 899734	122G	4	<2	<5	<100	6.0	<10	2.1	640	4	12	1.90	<1
104B 899735	122H	<1	2	<5	<100	1.3	<10	<0.5	1900	68	100	5.10	<1
104B 899736	123	<1	<2	<5	<100	0.2	<10	2.2	670	11	25	3.50	<1
104B 899737	124	<1	<2	<5	<100	0.8	<10	0.5	360	9	24	3.60	<1
104B 899738	125A	1	<2	<5	<100	5.2	<10	0.9	1200	21	41	4.00	<1
104B 899739	125B	<1	<2	<5	<100	1.8	<10	1.6	2500	21	49	6.20	<1
104B 899740	125C	<1	<2	<5	<100	0.2	<10	2.3	170	14	35	5.30	<1
104B 899741	—	<1	<2	<5	<100	1.9	<10	1.6	1300	16	24	3.00	<1
104B 899742	KQ-89-126A	1	<2	<5	<100	2.0	<10	<0.5	160	57	110	8.50	<1
104B 899743	126B	<1	<2	<5	<100	2.5	<10	0.5	120	56	120	9.50	<1
104B 899744	126C	<1	<2	<5	<100	10.0	<10	<0.5	450	25	49	5.60	<1
104B 899745	127A	<1	<2	<5	<100	3.5	<10	0.5	200	53	110	8.10	<1



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SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
1048 899679	<del>AD-89-105A</del>	0.5	<2	<0.2	<1	1.1	<1	<50	6	2.0	1.2	4.68
1048 899680	<del>105B</del>	0.8	2	0.4	2	0.7	3	<50	7	4.3	2.9	6.88
1048 899681	<del>105C</del>	<0.5	<2	0.3	<1	0.6	11	<50	120	4.1	5.3	6.46
1048 899682	<del>105D</del>	2.1	9	1.2	15	1.4	2	<50	<2	7.8	4.4	6.08
1048 899683	<del>105E</del>	<0.5	<2	0.2	1	0.6	<1	<50	3	2.5	1.9	6.65
1048 899684	<del>106A</del>	0.7	5	<0.2	5	0.7	<1	<50	<2	4.8	22.2	6.53
1048 899685	<del>106B</del>	1.2	5	1.0	3	<0.5	1	<50	<2	2.6	0.8	7.35
1048 899686	<del>106C</del>	1.0	6	0.8	5	1.0	<1	<50	<2	5.8	3.5	4.80
1048 899687	<del>106D</del>	1.1	5	0.6	8	1.1	<1	<50	<2	10.0	5.5	8.71
1048 899688	<del>106E</del>	1.5	6	0.8	5	1.0	<1	<50	<2	6.5	2.4	7.33
1048 899689	<del>106F</del>	0.8	3	0.4	3	<0.5	<1	<50	<2	1.3	0.7	8.56
1048 899717	<del>KQ-89-120A</del>	0.5	<2	0.3	<1	<0.5	91	<50	1200	0.4	0.9	7.60
1048 899718	<del>120B</del>	0.6	<2	0.2	1	0.6	7	<50	25	1.5	0.8	8.78
1048 899719	<del>120C</del>	0.5	<2	0.3	<1	<0.5	44	<50	893	0.9	1.6	8.40
1048 899720	<del>120D</del>	<0.5	<2	0.2	2	<0.5	20	<50	1550	1.8	1.2	6.36
1048 899721	<del>121A</del>	<0.5	2	<0.2	6	1.7	1	<50	<2	13.0	6.4	5.31
1048 899722	<del>121B</del>	0.7	2	0.3	2	0.8	<1	<50	6	1.1	0.5	8.81
1048 899723	<del>121C</del>	1.8	5	0.6	4	0.8	<1	<50	<2	1.5	0.6	6.94
1048 899724	<del>121D</del>	0.8	<2	0.3	2	0.9	<1	<50	5	2.5	1.0	9.41
1048 899725	<del>121E</del>	<0.5	<2	<0.2	<1	<0.5	<1	<50	<2	1.0	1.5	5.01
1048 899726	<del>KQ-89-121F</del>	0.6	<2	0.2	4	1.3	1	<50	7	12.0	5.1	4.41
1048 899727	<del>122A</del>	0.9	2	0.3	4	0.6	<1	<50	4	2.6	1.7	6.17
1048 899728	<del>122B</del>	0.9	<2	0.3	2	0.6	2	<50	3	1.2	2.1	6.15
1048 899729	<del>122C</del>	1.1	3	0.6	3	<0.5	<1	<50	<2	0.6	0.4	6.32
1048 899730	<del>122D</del>	0.6	2	<0.2	6	1.6	1	<50	3	14.0	6.4	5.25
1048 899731	<del>122E</del>	1.1	3	0.4	4	1.0	1	<50	242	5.8	2.6	4.75
1048 899732	<del>122F</del>	0.7	2	0.3	3	0.7	4	<50	776	2.4	1.2	4.87
1048 899733	<del>122G</del>	<0.5	2	0.3	3	<0.5	<1	<50	16	4.9	2.3	6.01
1048 899734	<del>122H</del>	<0.5	2	0.3	1	<0.5	<1	<50	8	0.9	0.8	7.34
1048 899735	<del>122I</del>	1.0	2	<0.2	7	1.7	<1	<50	<2	16.0	7.7	6.69
1048 899736	<del>123</del>	0.6	3	0.4	1	<0.5	<1	<50	<2	1.3	0.5	8.80
1048 899737	<del>124</del>	1.0	3	0.5	3	<0.5	<1	<50	<2	2.3	3.0	5.25
1048 899738	<del>125A</del>	0.7	5	0.6	6	1.5	2	<50	<2	6.0	4.3	6.75
1048 899739	<del>125B</del>	1.1	6	0.8	4	1.1	<1	<50	4	4.4	2.5	9.01
1048 899740	<del>125C</del>	0.7	5	0.8	3	0.6	1	<50	<2	2.6	1.7	8.50
1048 899741	<del>126A</del>	0.5	2	<0.2	3	0.7	<1	<50	15	6.0	3.2	6.03
1048 899742	<del>KQ-89-126B</del>	1.2	5	0.7	9	2.1	2	<50	3	15.0	4.4	6.44
1048 899743	<del>126C</del>	1.6	6	0.8	10	2.6	<1	<50	<2	15.0	6.8	6.26
1048 899744	<del>126D</del>	1.2	4	0.6	8	2.1	<1	<50	13	13.0	4.6	6.98
1048 899745	<del>127A</del>	1.3	6	0.6	9	1.9	<1	<50	3	14.0	6.1	6.10

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in 1-3 1991*





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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
104B 899746	KQ-89-127B	2.32	8.0	62	2.3	9	13	<100	163.0	<5	2.1	100	520
104B 899747	127C	1.40	10.0	30	3.0	8	<10	<100	7.7	<5	<1.2	90	410
104B 899748	128	1.30	14.0	<20	4.6	18	<10	120	14.0	<5	<0.5	50	420
104B 899749	129	3.24	6.8	31	0.7	<5	<10	<100	5.8	<5	<0.5	14	<200
104B 899750	130A	2.19	13.0	44	4.0	31	21	<100	18.0	<5	0.7	<5	<200
104B 899751	131	2.61	5.8	<20	3.0	9	<10	<100	4.5	<5	<0.5	53	<200
104B 899752	131A	2.93	6.5	<20	2.6	9	<10	<100	9.4	<5	<0.5	71	<200
104B 899753	131B	0.04	1.9	<20	0.5	<5	<10	<100	8.8	<5	<0.5	24	<200
104B 899754	131C	2.95	6.7	<20	3.3	9	<10	<100	14.0	<5	<0.5	71	<200
104B 899755	132A	0.08	12.0	<20	5.0	6	<10	<100	25.0	6	<0.5	100	<200
104B 899756	133A	1.00	5.5	<20	1.6	<5	<10	<100	10.0	21	<0.5	<5	<200
104B 899757	134	1.70	10.0	29	3.8	9	<10	<100	8.4	<5	<0.5	66	<200
104B 899758	135	2.52	8.1	<20	2.2	<5	<10	<100	14.0	<5	<1.3	60	320
104B 899759	136A	0.04	3.6	<20	2.2	<5	<10	<100	17.0	<5	0.7	13	<200
104B 899760	136B	0.06	16.0	<20	2.2	<5	<10	<100	59.3	<5	<0.5	92	<200
104B 899761	KQ-89-137	<0.11	1.6	<20	12.0	<5	<10	1900	1470.0	5	14.0	36	<200
104B 899762	138	1.20	5.9	29	3.1	<5	<10	<100	4.5	<5	<1.2	78	<200
104B 899763	139	<0.02	0.6	84	28.4	50	<10	<100	255.0	9	1.5	12	<200
104B 899764	139	<0.05	0.7	<50	13.0	<5	<10	2300	1610.0	<5	56.1	26	<200
KQ90-137A		0.52	3.7	<20	1.9	<5	<10	<100	6.3	<5	<0.5	49	330
KQ90-137B		1.10	2.6	<20	2.3	<5	<10	<100	12.0	<5	<0.5	45	280
KQ90-138A		0.61	17.0	20	5.6	9	<10	120	1.5	<5	<0.5	130	310
KQ90-138B		2.11	1.1	<20	1.1	<5	<10	<100	0.9	<5	<0.5	52	330
KQ90-138C		2.57	20.8	31	7.7	21	<10	230	4.3	<5	<1.2	68	540
KQ90-139		3.56	3.8	28	1.2	<5	<10	<100	1.2	<5	<0.5	17	<200
KQ90-140A		2.96	26.8	310	6.2	42	140	<100	0.5	<5	<1.0	15	<200
KQ90-140B		2.81	20.6	220	4.7	24	81	<100	<0.5	<5	<1.1	10	<200
KQ90-141A		1.10	17.0	23	4.3	7	<10	<100	8.2	<5	<0.5	51	<200
KQ90-141B		0.18	18.0	23	2.8	<5	<10	<100	17.0	<5	<0.5	87	<200
KQ90-141C		2.73	5.5	<20	1.1	<5	<10	<100	4.4	<5	<0.5	28	<200
KQ90-141D		1.80	14.0	390	4.9	33	140	300	56.7	<5	4.7	160	<200
KQ90-165A		4.48	16.0	100	4.2	19	38	100	4.1	<5	<0.5	28	<200
KQ90-165B		3.36	24.9	270	5.4	33	100	<100	1.3	<5	<1.1	38	<200
KQ90-165C		3.84	18.0	<20	5.2	21	<10	<100	<0.5	<5	<1.1	<10	<200
KQ90-165D		1.50	23.2	91	7.2	32	53	130	2.6	<5	<0.5	38	<200
KQ90-165E		2.69	18.0	210	4.0	30	94	110	0.9	<5	<0.5	11	<200
KQ90-165F		2.23	18.0	44	7.0	19	<10	170	1.6	<5	<0.5	80	360
KQ90-166A		3.23	31.2	22	7.2	29	36	120	1.3	<5	<1.1	47	<200
KQ90-167A		3.03	6.6	<20	3.3	12	<10	<100	4.3	<5	<1.2	55	<200
KQ90-167B		2.45	9.2	<20	4.3	15	<10	<100	6.3	<5	<0.5	100	<200





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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
1048 899746	KQ-89-124B	2	<2	<5	<100	50.4	<10	1.2	1300	25	54	4.90	<1
1048 899747	122C	<1	<2	<5	<100	11.0	<10	0.7	1500	44	78	6.20	1
1048 899748	128	<1	<2	<5	<100	1.0	<10	1.3	3600	19	53	6.30	<1
1048 899749	129	1	<2	<5	<100	3.1	<10	0.8	360	10	31	4.00	<1
1048 899750	130A	<1	<2	<5	<100	11.5	<10	0.5	530	7	18	2.60	<1
1048 899751	131	<1	<2	<5	<100	1.0	<10	1.8	1400	19	41	4.90	<1
1048 899752	131A	2	<2	<5	<100	1.9	<10	1.3	1400	15	31	3.10	<1
1048 899753	131B	3	<2	<5	<100	2.9	<10	0.8	1600	<2	<5	0.23	<1
1048 899754	131C	2	<2	<5	<100	3.3	<10	1.8	1400	15	33	3.90	<1
1048 899755	132A	2	<2	<5	<100	21.5	<10	2.6	1300	9	18	2.10	<1
1048 899756	133A	3	<2	<5	<100	14.6	<10	<0.5	2600	10	27	1.70	<1
1048 899757	134	3	<2	<5	<100	1.1	<10	2.9	690	20	40	4.90	<1
1048 899758	135	2	<2	<5	<100	2.9	<10	1.8	2600	5	15	1.90	<1
1048 899759	136A	3	<2	<5	<100	2.3	<10	<0.5	1000	11	17	1.00	<1
1048 899760	136B	4	<2	<5	<100	7.8	<10	2.0	4100	4	12	0.71	<1
1048 899761	—	11	77	<5	<200	459.0	<10	<0.5	2700	3	<5	0.59	<1
1048 899762	137	<1	<2	<5	<100	5.4	<10	1.6	2400	24	47	3.10	<1
1048 899763	138	31	11	<5	<100	1.9	13	<0.5	950	6	<10	0.73	<1
1048 899764	KQ-89-139	11	82	<5	<230	544.0	<22	<0.5	2600	2	<15	0.63	<1
KQ90-137A		<1	<2	<5	<100	2.3	<10	3.6	1000	25	59	6.50	<1
KQ90-137B		<1	<2	<5	<100	2.6	<10	1.4	830	24	58	5.50	<1
KQ90-138A		<1	<2	<5	<100	2.0	<10	4.1	2200	23	53	6.50	2
KQ90-138B		2	<2	<5	<100	0.8	<10	2.5	600	22	67	6.30	<1
KQ90-138C		<1	<2	<5	<100	0.8	<10	2.0	820	24	43	7.60	1
KQ90-139		7	<2	<5	<100	0.3	<10	<0.5	280	25	64	6.40	<1
KQ90-140A		2	<2	<5	<100	0.1	<10	2.6	530	14	41	4.40	1
KQ90-140B		2	<2	<5	<100	<0.1	<10	0.8	840	20	40	4.00	1
KQ90-141A		2	<2	<5	<100	1.6	<10	1.1	690	17	44	4.80	1
KQ90-141B		2	<2	<5	<100	3.8	<10	3.6	1300	12	37	3.90	<1
KQ90-141C		2	<2	<5	<100	0.6	<10	3.2	770	23	63	5.30	<1
KQ90-141D	—	20	3	<5	<100	3.3	<10	7.6	600	34	76	7.50	<1
KQ90-165A		3	4	<5	<100	0.5	<10	1.2	710	29	73	5.40	2
KQ90-165B		2	<2	<5	<100	0.1	<10	5.5	210	24	52	5.40	1
KQ90-165C		2	<2	<5	<100	0.3	<10	1.8	780	26	54	5.50	2
KQ90-165D		<1	<2	<5	<100	1.0	<10	5.0	820	26	59	6.50	1
KQ90-165E		2	<2	<5	<100	0.2	<10	1.6	300	6	15	2.40	<1
KQ90-165F		<1	<2	<5	<100	0.7	<10	3.8	1200	25	58	8.80	<1
KQ90-166A		1	<2	<5	<100	1.0	<10	1.3	2000	13	22	4.50	1
KQ90-167A		3	<2	<5	<100	1.6	<10	1.8	1400	14	29	3.60	<1
KQ90-167B		3	<2	<5	<100	2.3	<10	2.2	3400	15	27	3.70	<1



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SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
1048 899746	54-89-127B	0.9	6	0.7	5	1.4	<1	<50	31	10.0	5.1	6.56
1048 899747	127C	1.0	4	0.5	5	1.0	1	<50	<2	8.9	4.3	6.73
1048 899748	128	1.2	5	0.7	4	0.5	<1	<50	<2	6.0	3.0	8.34
1048 899749	129	1.0	3	0.5	3	<0.5	1	<50	<2	2.4	2.0	5.66
1048 899750	130A	0.7	3	<0.2	<1	<0.5	<1	<50	7	1.7	10.0	8.68
1048 899751	131	1.1	3	0.3	3	0.7	1	<50	4	5.3	3.5	5.77
1048 899752	131A	<0.5	<2	0.2	3	<0.5	<1	<50	13	6.2	3.2	0.76
1048 899753	131B	<0.5	<2	<0.2	2	0.6	<1	<50	<2	2.2	1.4	4.21
1048 899754	131C	0.7	<2	0.2	3	0.7	1	<50	<2	6.0	3.7	6.67
1048 899755	132A	0.7	3	0.3	2	0.7	5	<50	18	4.5	3.3	5.04
1048 899756	133A	<0.5	<2	<0.2	3	<0.5	3	<50	100	3.3	2.3	6.91
1048 899757	134	0.9	3	0.4	3	0.5	<1	<50	4	2.7	2.0	6.03
1048 899758	135	<0.5	<2	<0.2	3	<0.5	2	<50	3	3.6	2.2	5.27
1048 899759	136A	<0.5	<2	<0.2	3	0.7	1	<50	<2	7.1	2.3	6.56
1048 899760	136B	<0.5	<2	0.3	<1	0.5	20	<50	469	2.5	1.4	5.97
1048 899761	137	<0.5	10	0.3	<1	<0.5	7	<50	1060	1.0	<0.2	6.00
1048 899762	137	0.8	4	0.6	6	1.2	<1	<50	<2	5.2	3.6	6.70
1048 899763	138	<0.5	<2	0.3	<1	<0.5	3	<50	2140	<0.2	<0.2	8.77
1048 899764	KQ-89-139	<0.5	12	0.6	<1	<0.5	9	<50	1130	0.6	<0.2	5.67
KQ90-137A		1.6	6	0.8	6	0.9	<1	<50	<2	7.1	3.5	6.52
KQ90-137B		1.3	5	0.4	6	1.0	1	<50	<2	8.3	4.8	8.76
KQ90-138A		1.4	5	0.6	4	0.9	<1	<50	<2	4.7	3.1	6.23
KQ90-138B		1.4	7	0.7	7	1.2	<1	<50	<2	6.6	3.9	6.07
KQ90-138C		1.6	7	0.7	5	0.8	<1	<50	5	6.8	2.6	6.21
KQ90-139		1.4	5	0.2	6	0.8	<1	<50	<2	10.0	4.8	5.71
KQ90-140A		1.0	3	0.4	2	0.6	<1	<50	<2	1.8	0.6	7.90
KQ90-140B		0.8	3	<0.2	3	0.9	<1	<50	<2	4.1	2.1	6.65
KQ90-141A		0.9	3	0.5	4	<0.5	<1	<50	<2	3.3	0.3	6.63
KQ90-141B		0.8	4	0.5	6	0.7	1	<50	<2	5.1	1.8	4.59
KQ90-141C		1.2	5	0.5	5	0.6	<1	<50	<2	5.6	3.1	7.59
KQ90-141D		1.5	6	<0.2	5	2.8	61	<50	9	17.0	11.0	6.95
KQ90-165A		0.8	4	0.4	4	1.1	<1	<50	<2	4.8	1.6	8.55
KQ90-165B		1.0	3	0.3	3	0.6	<1	<50	<2	2.8	1.1	8.01
KQ90-165C		0.7	3	0.3	3	<0.5	<1	<50	<2	2.5	1.1	7.87
KQ90-165D		0.9	4	0.4	3	0.6	<1	<50	<2	2.1	0.7	9.10
KQ90-165E		<0.5	<2	0.2	2	<0.5	<1	<50	4	0.7	0.2	7.13
KQ90-165F		2.2	7	0.6	5	0.9	<1	<50	<2	7.7	5.6	8.04
KQ90-166A		0.7	<2	0.3	2	<0.5	<1	<50	13	2.7	1.2	7.87
KQ90-167A		<0.5	2	<0.2	3	0.5	<1	<50	<2	5.6	3.4	5.96
KQ90-167B		0.6	2	<0.2	2	0.7	2	<50	30	5.5	3.4	5.42

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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
KQ90-168A		0.03	2.2	<20	0.2	<5	<10	<100	8.7	<5	1.5	<5	<200
KQ90-168B		<0.02	1.6	<20	3.0	13	<10	<100	12.0	6	1.6	<5	<200
KQ90-169A		0.44	10.0	<20	2.6	<5	<10	<100	39.0	<5	<0.5	71	<200
KQ90-169B		0.55	12.0	23	5.8	<5	<10	<100	7.8	<5	2.7	93	<200
KQ90-169C		0.41	13.0	<20	3.7	<5	<10	<100	6.0	<5	<0.5	120	<200
KQ90-170A		3.00	10.0	<20	4.9	12	<10	<100	17.0	<5	<0.5	76	<200
KQ90-171A		2.11	22.5	25	8.2	<5	<10	120	196.0	<5	2.3	120	<200
KQ90-171B		0.15	13.0	<20	2.9	10	<10	<100	153.0	<5	2.1	250	<200
KQ90-171C		3.37	17.0	<20	6.9	20	<10	<100	31.0	<5	<0.5	150	<200
KQ90-171D		1.70	14.0	370	5.0	29	170	270	54.6	<5	5.0	160	<200
KQ90-179A		1.60	17.0	170	4.5	27	110	110	16.0	<5	<0.5	68	<200
KQ90-179B		0.66	5.5	32	3.6	12	<10	<100	10.0	<5	<0.5	9	<200
KQ90-179C		0.66	12.0	96	3.8	<5	<10	<100	22.0	<5	<0.5	35	<200
KQ90-180A		3.76	18.0	33	5.1	<5	<10	140	17.0	<5	<0.5	45	<200
KQ90-180B		2.58	1.4	<20	1.0	<5	<10	<100	14.0	<5	<0.5	68	310
KQ90-180C		2.67	2.7	<20	1.0	<5	<10	190	9.4	<5	1.9	<5	<200
KQ90-180D		4.64	13.0	<20	2.5	<5	<10	<260	3.5	<5	<1.5	<11	610
KQ90-181A		4.46	16.0	32	5.2	11	<10	210	3.2	<5	<0.5	9	330
KQ90-181B		0.10	22.3	<20	3.6	10	<10	200	33.0	<5	4.1	85	400
KQ90-182A		3.38	14.0	<20	4.7	12	<10	<100	2.1	<5	<1.1	56	<200
KQ90-182B		2.23	15.0	25	4.4	16	<10	<100	30.0	<5	<0.5	29	<200
KQ90-182C		1.90	13.0	<20	4.5	13	<10	<100	34.0	<5	<0.5	71	<200
KQ90-182D		1.50	11.0	<20	3.5	10	<10	140	67.3	<5	<0.5	27	<200
KQ90-183A		0.10	19.0	37	5.6	25	<10	850	63.7	<5	5.8	160	<200
KQ90-183B		<8.80	6.0	<390	2.5	<18	<95	6700	500.0	<66	<219.0	<73	<2300
KQ90-183C		0.09	8.4	45	3.3	11	23	<100	32.0	<5	2.3	120	<200
KQ90-183D		<4.00	8.6	<250	4.2	19	<64	1200	3460.0	<43	<109.0	53	<1500
KQ90-183E		<10.00	<12.0	<3600	<8.1	<140	<790	<6800	5000.0	<600	<1880.0	<590	<19000
KQ90-184A		1.40	18.0	92	5.4	23	31	<100	<0.5	<5	<0.5	38	<200
KQ90-184B		2.58	19.0	22	5.4	19	<10	<100	12.0	<5	<1.2	30	<200
KQ90-185		2.21	17.0	37	4.8	15	<10	<100	4.4	<5	<1.1	51	<200
KQ90-186		0.67	13.0	<20	3.9	15	<10	<100	8.7	<5	<1.4	47	<200
OHSA-545		0.41	14.0	<49	4.5	9	30	<100	102.0	<5	11.0	<5	<200
OHSA-546		0.09	12.0	30	3.6	<5	<10	<100	51.3	<5	<0.5	<5	<200
OHSA-546-2		0.23	10.0	37	9.4	10	<10	<100	94.2	<5	15.0	<5	<200

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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
KQ90-168A		2	<2	<5	<100	5.6	<10	<0.5	3900	<2	<5	<0.10	<1
KQ90-168B		3	<2	<5	<100	8.7	<10	<0.5	340	<2	<5	<0.10	<1
KQ90-169A		2	<2	<5	<100	1.9	<10	4.0	3100	11	31	4.10	<1
KQ90-169B		2	<2	<5	<100	4.5	<10	2.5	2400	19	35	4.60	<1
KQ90-169C		2	<2	<5	<100	3.0	<10	4.1	3900	17	42	4.00	<1
KQ90-170A		4	<2	6	<100	2.5	<10	2.1	2500	17	32	4.30	<1
KQ90-171A		2	<2	<5	<100	4.0	<10	1.8	620	7	16	2.00	<1
KQ90-171B		3	4	<5	<100	7.9	<10	1.8	5920	3	22	0.64	<1
KQ90-171C		2	6	<5	<100	3.4	<10	2.1	2700	16	20	2.70	1
KQ90-171D		20	<2	<5	<100	3.1	<10	7.3	660	34	88	7.30	<1
KQ90-179A		3	<2	<5	<100	1.4	<10	6.8	970	16	30	3.20	<1
KQ90-179B		2	<2	<5	<100	1.0	<10	<0.5	680	10	22	2.50	<1
KQ90-179C		2	<2	<5	<100	2.1	<10	5.8	430	26	26	6.90	2
KQ90-180A		3	<2	<5	<100	1.3	<10	4.4	910	18	47	5.70	<1
KQ90-180B		5	<2	<5	<100	1.4	<10	<0.5	890	30	68	5.00	<1
KQ90-180C		3	<2	<5	<100	2.4	<10	<0.5	160	22	52	5.60	<1
KQ90-180D		1	<2	<5	<100	1.8	<10	<0.5	220	33	88	11.90	2
KQ90-181A		5	<2	<5	<100	0.9	<10	2.9	490	41	96	8.90	2
KQ90-181B		37	<2	<5	<100	7.3	<10	4.0	1400	22	43	9.20	1
KQ90-182A		<1	<2	<5	<100	0.6	<10	2.3	1700	16	38	5.50	<1
KQ90-182B		5	3	<5	<100	2.8	<10	1.7	7110	13	41	5.30	<1
KQ90-182C		2	<2	<5	<100	5.1	<10	3.0	1600	21	37	5.20	1
KQ90-182D		2	<2	<5	<100	3.2	<10	5.3	6070	14	26	3.90	1
KQ90-183A		1	15	<5	<100	52.4	<10	8.8	650	9	23	2.60	<1
KQ90-183B		25	983	<120	<2100	4790.0	<250	<3.0	2100	18	<110	0.65	<11
KQ90-183C		2	<2	<5	<100	45.2	<10	8.4	930	7	8	2.10	<1
KQ90-183D		17	110	<77	<1400	2070.0	<170	<2.0	48800	7	<71	0.92	<7
KQ90-183E		<190	<120	<1000	<19000	>9000.0	<2300	<25.0	<5900	<140	<1000	<3.10	<91
KQ90-184A		<1	<2	<5	<100	0.3	<10	1.1	2000	25	93	6.80	<1
KQ90-184B		<1	<2	<5	<100	1.6	<10	5.2	870	11	38	5.20	<1
KQ90-185		1	<2	<5	<100	1.9	<10	3.9	2800	12	29	4.10	<1
KQ90-186		<1	2	<5	<100	2.8	<10	4.8	1100	8	26	3.10	<1
OHSA-545		6	<2	<10	<280	121.0	<25	<0.5	3300	17	76	5.40	2
OHSA-546		6	<2	<5	<100	5.9	<10	<0.5	1700	20	61	5.50	<1
OHSA-546-2		6	<2	<11	<300	171.0	<27	<0.5	2600	22	48	4.20	1

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SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
KQ90-168A		<0.5	<2	<0.2	4	0.9	8	<50	8	0.9	1.3	8.00
KQ90-168B		<0.5	<2	<0.2	2	<0.5	<1	<50	14	0.5	1.0	6.39
KQ90-169A		0.9	4	0.3	3	<0.5	<1	<50	4	3.9	1.9	5.30
KQ90-169B		<0.5	<2	0.3	4	0.5	2	<50	<2	4.6	1.2	5.25
KQ90-169C		0.5	<2	0.4	3	0.7	<1	<50	94	4.3	2.3	4.62
KQ90-170A		0.7	<2	0.2	2	0.8	<1	<50	8	5.4	2.9	7.70
KQ90-171A		0.7	<2	<0.2	<1	<0.5	17	<50	633	2.8	2.6	5.08
KQ90-171B		<0.5	<2	<0.2	2	<0.5	32	<50	623	4.3	3.7	4.92
KQ90-171C		<0.5	<2	0.2	1	0.6	10	<50	959	4.3	2.7	7.19
KQ90-171D		1.5	4	<0.2	6	3.2	62	<50	13	17.0	11.0	8.34
KQ90-179A		0.5	2	0.3	3	0.6	<1	<50	9	5.6	1.9	6.51
KQ90-179B		0.6	<2	<0.2	<1	<0.5	<1	<50	3	1.0	0.9	6.12
KQ90-179C		1.6	7	0.6	2	<0.5	2	<50	7	1.6	6.0	5.00
KQ90-180A		1.0	5	0.5	3	0.6	<1	<50	<2	3.5	2.2	6.35
KQ90-180B		1.0	5	0.7	6	1.1	<1	<50	3	6.9	3.3	6.80
KQ90-180C		1.5	6	0.6	6	1.3	<1	<50	4	7.4	3.8	5.03
KQ90-180D		2.3	7	0.9	13	2.1	<1	50	<2	10.0	3.8	4.72
KQ90-181A		1.5	5	0.5	5	1.2	<1	<50	<2	6.2	2.5	9.54
KQ90-181B		1.8	5	0.7	4	<0.5	<1	<50	<2	3.4	3.1	5.42
KQ90-182A		1.2	3	0.2	4	0.7	<1	<50	<2	4.9	1.5	7.25
KQ90-182B		1.0	2	0.5	3	0.6	<1	<50	<2	3.5	2.2	7.00
KQ90-182C		0.9	3	0.4	3	<0.5	<1	<50	<2	2.9	1.9	5.49
KQ90-182D		0.7	2	0.2	2	0.5	<1	<50	<2	2.6	1.3	7.20
KQ90-183A		<0.5	3	0.3	<1	0.7	4	<50	9	1.2	<0.2	5.36
KQ90-183B		<1.4	<82	2.8	<11	<2.1	<56	<410	228	<4.7	<5.5	6.46
KQ90-183C		<0.5	<2	0.3	<1	<0.5	2	<50	<2	2.1	1.1	5.02
KQ90-183D		<0.5	<20	<1.7	<7	<1.4	<28	<270	<76	<3.1	<3.6	5.66
KQ90-183E		<11.0	<788	<26.4	<96	<28.0	<380	<3700	<1100	<43.0	<51.0	4.85
KQ90-184A		0.6	<2	0.3	3	<0.5	<1	<50	<2	2.1	0.7	10.30
KQ90-184B		0.8	3	<0.2	3	<0.5	<1	<50	<2	3.0	3.2	6.81
KQ90-185		0.5	<2	<0.2	3	0.6	<1	<50	<2	4.8	2.7	7.73
KQ90-186		<0.5	<2	<0.2	2	<0.5	<1	<50	7	3.5	2.2	5.25
OHSa-545		0.6	7	<0.2	3	0.5	<1	<50	84	5.0	3.3	5.50
OHSa-546		0.6	<2	<0.2	4	0.8	1	<50	8	8.6	7.7	6.13
OHSa-546-2		<0.5	4	<0.2	2	<0.5	<1	<50	99	6.6	2.8	5.81

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STANDARD NAME	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
OTT TOR DUST STD		0.61	8.3	440	3.4	30	190	1600	155.0	<5	1.7	23	<200
OTT TOR DUST STD		0.65	9.1	510	3.7	30	230	1700	146.0	<5	3.5	28	<200
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.630	8.70	475.0	3.55	30.0	210.0	1650.0	150.50	2.5	2.60	25.5	100.0
Standard Deviation		0.0283	0.566	49.50	0.212	0.00	28.28	70.71	6.364	0.00	1.273	3.54	0.00

Accepted Value	-	-	-	-	-	-	-	-	-	-	-	-	-
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BCC ROCK PULP 1989-1		1.30	14.0	160	3.9	10	<10	<100	6.7	7	4.5	26	<200
BCC ROCK PULP 1989-1		1.30	14.0	170	3.8	8	31	<100	7.1	<5	5.7	27	<200
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		1.300	14.00	165.0	3.85	9.1	18.0	50.0	6.90	4.9	5.10	26.5	100.0
Standard Deviation		0.0000	0.000	7.07	0.071	1.27	18.38	0.00	0.283	3.32	0.849	0.71	0.00

Accepted Value	-	-	-	-	-	-	-	-	8.0	-	-	-	-
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BCC ROCK PULP 1989-2		0.67	9.3	710	4.5	47	540	530	317.0	<5	16.0	44	<200
BCC ROCK PULP 1989-2		0.72	11.0	820	4.9	49	550	440	292.0	<5	21.0	31	<200
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.695	10.15	765.0	4.70	48.0	545.0	485.0	304.50	2.5	18.50	37.5	100.0
Standard Deviation		0.0354	1.202	77.78	0.283	1.41	7.07	63.64	17.678	0.00	3.536	9.19	0.00

Accepted Value	-	-	-	-	-	-	-	-	-	-	-	-	-
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BCC Standard GS89-3		1.20	9.2	180	2.3	9	51	170	28.0	<5	<0.5	26	<200
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		1.200	9.20	180.0	2.30	8.5	51.0	170.0	28.00	2.5	0.25	26.0	100.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	30.0	-	-	-	-





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STANDARD NAME	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
OTT TOR DUST STD		3	5	18	<100	5.2	<10	1.6	130	12	21	2.80	<1
OTT TOR DUST STD		2	5	17	<100	5.4	<10	1.2	190	13	<5	1.80	<1
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		2.4	4.9	17.5	50.0	5.30	5.0	1.40	160.0	12.5	11.8	2.300	0.5
Standard Deviation		0.42	0.21	0.71	0.00	0.141	0.00	0.283	42.43	0.71	13.08	0.7071	0.00

Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
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BCC ROCK PULP 1989-1		18	36	<5	<100	6.3	<10	0.6	500	11	20	2.80	<1
BCC ROCK PULP 1989-1		18	31	<5	<100	6.4	<10	<0.5	530	9	<5	2.80	<1
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		18.0	33.5	2.5	50.0	6.35	5.0	0.42	515.0	10.0	11.3	2.800	0.5
Standard Deviation		0.00	3.54	0.00	0.00	0.071	0.00	0.240	21.21	1.41	12.37	0.0000	0.00

Accepted Value		-	-	-	-	7.0	-	-	-	-	-	-	-
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BCC ROCK PULP 1989-2		764	5	<5	<240	67.7	<22	1.6	710	11	21	2.60	<1
BCC ROCK PULP 1989-2		673	<2	<5	<100	67.0	<10	1.9	610	10	28	2.70	<1
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		718.5	2.9	2.5	85.0	67.35	8.0	1.75	660.0	10.5	24.5	2.650	0.5
Standard Deviation		64.35	2.62	0.00	49.50	0.495	4.24	0.212	70.71	0.71	4.95	0.0707	0.00

Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
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BCC Standard GS89-3		4	<2	<5	<100	0.7	<10	<0.5	400	8	25	3.70	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		4.1	1.0	2.5	50.0	0.66	5.0	0.25	400.0	7.7	25.0	3.700	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	0.5	-	-	-	-	-	-	-



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STANDARD NAME	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
OTT TOR DUST STD		0.6	2	<0.2	4	0.5	4	<50	120	4.1	22.8	5.01
OTT TOR DUST STD		<0.5	<2	<0.2	3	0.6	4	<50	160	4.7	23.1	5.12
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.43	1.7	0.10	3.2	0.56	3.8	25.0	140.0	4.40	22.95	5.065
Standard Deviation		0.247	0.99	0.000	0.64	0.064	0.28	0.00	28.28	0.424	0.212	0.0778

Accepted Value		-	-	-	-	-	-	-	-	-	-	-
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BCC ROCK PULP 1989-1		<0.5	<2	<0.2	2	<0.5	<1	<50	110	2.1	1.3	3.61
BCC ROCK PULP 1989-1		<0.5	<2	<0.2	2	<0.5	<1	<50	100	2.1	1.4	4.73
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.25	1.0	0.10	2.3	0.25	0.5	25.0	105.0	2.10	1.35	4.170
Standard Deviation		0.000	0.00	0.000	0.21	0.000	0.00	0.00	7.07	0.000	0.071	0.7920

Accepted Value		-	-	-	-	-	-	-	116	-	1.3	-
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BCC ROCK PULP 1989-2		<0.5	5	<0.2	<1	0.6	6	<50	551	7.2	2.5	4.53
BCC ROCK PULP 1989-2		<0.5	3	<0.2	<1	<0.5	6	<50	572	7.9	1.8	6.24
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.25	3.8	0.10	0.5	0.42	6.0	25.0	561.5	7.55	2.15	5.385
Standard Deviation		0.000	1.20	0.000	0.00	0.240	0.64	0.00	14.85	0.495	0.495	1.2092

Accepted Value		-	-	-	-	-	6	-	-	-	-	-
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BCC Standard GS89-3		0.7	2	0.3	2	<0.5	2	<50	10	2.8	1.2	4.59
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.73	2.3	0.33	2.3	0.25	2.2	25.0	10.0	2.80	1.20	4.590
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	1	-	-	-	1.2	-