

MINERALS TEST REPORT

CLIENT

DOMINIC MURPHY
NEWCREST MINING LIMITED
 PO Box 6380
 EAST PERTH, WA 6892
 AUSTRALIA

JOB INFORMATION

JOB CODE : 43.7/1916480
 NO. SAMPLES : 333
 NO. ELEMENTS : 54
 CLIENT ORDER NO. : 4500864404 Line 10 (Job 1 of 1)
 SAMPLE SUBMISSION NO. : NCM002
 PROJECT : TANAMI WEST
 SAMPLE TYPE : Drill core
 DATE RECEIVED : 25/09/2019
 DATE TESTED : 09/10/2019 - 15/10/2019
 DATE REPORTED : 15/10/2019
 DATE PRINTED : 15/10/2019

REPORT NOTES

TESTED BY

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APPROVED SIGNATURE FOR

Anthony Wilson

Anthony WILSON
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SIGNIFICANT FIGURES

It is common practice to report data derived from analytical instrumentation to a maximum of two or three significant figures. Some data reported herein may show more figures than this. The reporting of more than two or three figures in no way implies that figures beyond the least significant digit have significance.

For more information on the uncertainty on individual reported values, please contact the laboratory.

SAMPLE STORAGE

All solid samples (assay pulps, bulk pulps and residues will be stored for 60 days without charge. Following this samples will be stored at a daily rate until clients written advice regarding return, collection or disposal is received. If storage information is not supplied on the submission, or arranged with the laboratory in writing the default will be to store the samples with the applicable charges. Storage is charged at \$4.00 per m3 per day, expenses related to the return or disposal of samples will be charged at cost. Current disposal cost is charged at \$150.00 per m3.

Samples received as liquids, waters or solutions will be held for 60 days free of charge then disposed of, unless written advice fo return or collection is received.

LEGEND	X	= Less than Detection Limit	NA	= Not Analysed
	SNR	= Sample Not Received	UA	= Unable to Assay
	*	= Result Checked	>	= Value beyond Limit of Method
	DTF	= Result still to come	+	= Extra Sample Received Not Listed
	IS	= Insufficient Sample for Analysis		



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0001 EX00001	32.00	<0.005	0.15	6.772	25.8	278.0	2.04	0.49	<0.05	<0.02
0002 EX00002	32.00	<0.005								
0003 EX00003	31.00	<0.005	0.29	9.419	17.7	329.0	1.95	0.56	<0.05	<0.02
0004 EX00004	33.00	<0.005								
0005 EX00005	33.00	<0.005	0.34	9.265	11.7	287.2	2.80	0.63	0.13	<0.02
0006 EX00006	33.00	<0.005								
0007 EX00007	33.50	<0.005	0.44	9.756	10.5	319.8	2.80	0.60	0.13	<0.02
0008 EX00008	33.50	<0.005								
0009 EX00009	31.00	<0.005	0.71	8.610	25.2	240.1	3.88	1.15	0.10	0.03
0010 EX00010	31.10	<0.005								
0011 EX00011	32.10	<0.005	<0.05	3.570	1.8	460.9	0.31	0.05	<0.05	<0.02
0012 EX00012	32.20	<0.005								
0013 EX00013	36.10	0.377	1.44	7.795	0.4	441.0	2.00	0.09	4.10	0.08
0014 EX00014	32.00	<0.005								
0015 EX00015	32.50	<0.005	0.09	8.394	29.1	150.6	3.28	1.00	0.08	0.03
0016 EX00016	32.50	<0.005								
0017 EX00017	32.50	<0.005	0.17	10.323	40.1	323.6	2.75	0.94	0.09	0.03
0018 EX00018	30.60	<0.005								
0019 EX00019	30.60	<0.005	0.58	11.274	32.8	104.2	2.01	0.84	0.09	<0.02
0020 EX00020	32.30	<0.005								
0021 EX00020 Pulp Dup	32.00	<0.005								
0022 EX00021	32.00	<0.005	0.08	7.825	62.3	73.1	2.46	0.45	0.14	0.02
0023 EX00022	31.00	<0.005								
0024 EX00023	33.00	<0.005	0.19	7.860	205.5	192.1	2.59	0.60	0.19	<0.02
0025 EX00024	32.00	<0.005								
0026 EX00025	34.80	<0.005	0.20	9.361	125.7	145.1	1.52	0.54	0.18	0.03
0027 EX00026	32.00	<0.005								
0028 EX00027	32.00	<0.005	0.21	5.200	74.8	366.2	1.04	0.44	<0.05	<0.02
0029 EX00028	32.00	<0.005								
0030 EX00029	31.00	<0.005	0.43	4.055	93.7	394.1	1.01	0.42	0.06	<0.02
0031 EX00030	31.00	<0.005								
0032 EX00031	34.00	<0.005	0.07	6.708	115.1	446.0	1.44	0.35	0.17	<0.02
0033 EX00032	33.00	<0.005								
0034 EX00033	30.00	<0.005	<0.05	11.045	222.5	829.4	3.80	0.61	0.06	0.03
0035 EX00034	31.30	2.463								
0036 EX00035	29.90	<0.005	0.10	7.803	370.8	592.0	2.88	0.52	<0.05	0.04
0037 EX00036	30.00	<0.005								
0038 EX00037	31.00	<0.005	0.10	9.831	383.6	986.0	4.14	1.41	<0.05	0.06
0039 EX00038	31.50	<0.005	0.10	7.892	162.2	485.4	2.53	0.60	<0.05	<0.02
0040 EX00039	31.50	<0.005								



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0001 EX00001	60.70	24.0	169	2.46	20.3	12.75	19.1	1.1	2.46	0.07
0002 EX00002										
0003 EX00003	98.48	39.5	103	3.44	23.2	8.68	25.4	1.6	3.76	0.08
0004 EX00004										
0005 EX00005	37.60	7.6	85	3.85	18.8	5.03	25.2	1.5	6.11	0.09
0006 EX00006										
0007 EX00007	36.43	6.7	81	4.28	20.0	4.94	25.6	1.5	5.17	0.09
0008 EX00008										
0009 EX00009	39.77	16.7	194	3.39	28.7	10.72	27.4	1.1	3.90	0.12
0010 EX00010										
0011 EX00011	11.60	0.2	8	0.88	1.3	0.29	5.9	0.8	1.62	0.02
0012 EX00012										
0013 EX00013	40.50	22.0	74	2.68	37.4	4.94	21.8	0.7	3.20	0.06
0014 EX00014										
0015 EX00015	32.39	6.1	163	3.55	23.0	8.50	26.0	1.3	4.42	0.12
0016 EX00016										
0017 EX00017	145.39	17.0	199	3.77	26.3	8.37	29.5	1.4	4.99	0.13
0018 EX00018										
0019 EX00019	50.41	4.7	181	4.17	24.9	6.89	30.7	1.7	5.38	0.15
0020 EX00020										
0021 EX00020 Pulp Dup										
0022 EX00021	25.31	5.1	63	2.16	20.1	3.86	20.6	1.2	4.18	0.07
0023 EX00022										
0024 EX00023	19.76	7.8	72	2.79	22.6	8.16	21.4	1.0	3.36	0.06
0025 EX00024										
0026 EX00025	10.36	3.5	64	3.59	14.2	4.90	21.1	1.2	3.86	0.05
0027 EX00026										
0028 EX00027	65.71	5.0	31	2.51	8.5	0.90	17.6	0.9	5.29	0.04
0029 EX00028										
0030 EX00029	92.55	8.8	28	1.88	13.3	0.96	15.3	0.9	5.48	0.04
0031 EX00030										
0032 EX00031	109.70	3.3	31	1.72	7.8	1.00	15.7	1.0	4.37	0.05
0033 EX00032										
0034 EX00033	69.43	3.3	63	2.56	10.1	4.16	27.5	1.4	3.42	0.08
0035 EX00034										
0036 EX00035	122.73	9.0	48	1.93	11.2	3.95	19.4	1.1	4.73	0.07
0037 EX00036										
0038 EX00037	208.02	5.8	70	3.29	18.5	3.35	28.5	1.5	4.58	0.11
0039 EX00038	122.32	2.4	42	1.96	12.8	2.26	19.8	1.4	4.63	0.07
0040 EX00039										



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0001 EX00001	0.528	19.72	33.3	0.090	700	2.6	0.09	7.27	24.1	0.017
0002 EX00002										
0003 EX00003	0.756	24.70	48.9	0.128	935	1.7	0.08	11.78	26.9	0.016
0004 EX00004										
0005 EX00005	0.931	24.15	60.0	0.312	378	1.4	0.08	14.86	21.0	0.025
0006 EX00006										
0007 EX00007	0.933	25.63	65.3	0.321	531	1.2	0.08	15.92	19.1	0.027
0008 EX00008										
0009 EX00009	0.666	20.03	52.8	0.303	830	1.6	0.06	9.58	20.0	0.036
0010 EX00010										
0011 EX00011	3.659	6.06	2.4	0.059	23	0.1	0.08	1.25	1.0	<0.005
0012 EX00012										
0013 EX00013	1.898	22.04	18.2	1.903	823	5.7	2.63	8.46	25.8	0.050
0014 EX00014										
0015 EX00015	0.727	25.02	48.4	0.258	243	1.4	0.05	12.35	16.9	0.033
0016 EX00016										
0017 EX00017	0.561	27.58	66.4	0.226	1540	1.6	0.06	15.48	22.3	0.030
0018 EX00018										
0019 EX00019	0.375	16.99	83.7	0.135	226	1.8	0.05	17.08	23.6	0.025
0020 EX00020										
0021 EX00020 Pulp Dup										
0022 EX00021	0.180	9.11	48.9	0.214	59	0.6	0.04	12.92	14.3	<0.005
0023 EX00022										
0024 EX00023	0.276	5.67	41.4	0.298	282	0.6	0.06	9.67	13.9	<0.005
0025 EX00024										
0026 EX00025	0.452	7.71	44.1	0.332	49	0.5	0.06	9.83	13.8	<0.005
0027 EX00026										
0028 EX00027	1.296	45.16	13.5	0.184	459	0.4	0.09	9.99	3.2	0.009
0029 EX00028										
0030 EX00029	1.072	74.87	9.8	0.220	744	0.5	0.09	8.61	4.4	0.024
0031 EX00030										
0032 EX00031	1.697	94.35	14.6	0.669	119	0.4	0.07	9.28	10.8	0.027
0033 EX00032										
0034 EX00033	4.154	42.23	24.7	0.522	182	0.3	0.09	13.29	6.3	0.011
0035 EX00034										
0036 EX00035	2.649	98.71	15.0	0.290	389	0.5	0.06	11.60	7.1	0.022
0037 EX00036										
0038 EX00037	4.345	159.09	30.6	0.616	346	0.5	0.10	14.78	5.6	0.024
0039 EX00038	2.178	101.16	17.2	0.290	139	0.4	0.05	11.03	3.7	0.022
0040 EX00039										



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0001 EX00001	37.1	42.61	<0.002	<0.05	1.06	9.8	1.1	3.0	24.58	0.64
0002 EX00002										
0003 EX00003	36.2	59.97	<0.002	<0.05	0.89	14.2	0.8	4.7	32.63	1.01
0004 EX00004										
0005 EX00005	21.3	72.29	<0.002	<0.05	0.77	17.1	1.4	5.1	49.36	1.32
0006 EX00006										
0007 EX00007	20.2	75.46	<0.002	<0.05	0.74	17.6	0.8	5.1	54.05	1.43
0008 EX00008										
0009 EX00009	24.7	54.27	<0.002	<0.05	1.54	15.2	1.1	5.6	36.84	0.80
0010 EX00010										
0011 EX00011	8.3	139.05	<0.002	<0.05	0.12	1.3	<0.5	0.4	17.49	0.11
0012 EX00012										
0013 EX00013	24.4	105.68	<0.002	0.06	0.06	19.6	<0.5	2.8	172.38	1.02
0014 EX00014										
0015 EX00015	23.6	58.58	<0.002	<0.05	1.54	16.8	0.9	5.3	33.20	1.07
0016 EX00016										
0017 EX00017	41.8	48.12	<0.002	<0.05	2.59	20.1	0.9	6.1	34.23	1.36
0018 EX00018										
0019 EX00019	28.6	35.71	<0.002	<0.05	1.95	23.6	1.0	6.7	26.90	1.51
0020 EX00020										
0021 EX00020 Pulp Dup										
0022 EX00021	15.3	19.54	<0.002	<0.05	1.58	16.1	<0.5	5.1	22.57	1.28
0023 EX00022										
0024 EX00023	25.4	30.88	<0.002	<0.05	1.79	9.9	<0.5	5.5	30.39	0.91
0025 EX00024										
0026 EX00025	8.5	42.77	<0.002	<0.05	1.58	8.4	0.6	5.0	32.80	0.94
0027 EX00026										
0028 EX00027	17.6	74.78	<0.002	<0.05	0.97	8.2	<0.5	6.3	54.54	1.02
0029 EX00028										
0030 EX00029	19.2	60.87	<0.002	<0.05	0.76	7.4	<0.5	5.8	290.41	0.90
0031 EX00030										
0032 EX00031	19.1	81.91	<0.002	0.05	0.78	8.5	<0.5	5.3	414.12	0.98
0033 EX00032										
0034 EX00033	27.5	185.96	<0.002	<0.05	1.31	16.4	<0.5	7.1	61.76	1.28
0035 EX00034										
0036 EX00035	48.9	119.73	<0.002	<0.05	2.30	12.1	<0.5	5.4	89.01	1.19
0037 EX00036										
0038 EX00037	80.3	209.86	<0.002	<0.05	2.24	18.3	<0.5	8.7	100.91	1.51
0039 EX00038	85.1	110.98	<0.002	<0.05	1.39	11.8	<0.5	5.9	56.00	1.18
0040 EX00039										



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0001 EX00001	<0.2	12.28	0.282	0.53	1.90	250	2.3	1932.00	1985.00	8.19
0002 EX00002								1572.00	1699.00	
0003 EX00003	<0.2	16.09	0.446	0.71	2.63	189	3.5	2367.00	2574.00	9.76
0004 EX00004								1783.00	1965.00	
0005 EX00005	<0.2	22.25	0.512	0.43	3.29	108	3.0	1287.00	1325.00	14.16
0006 EX00006								1167.00	1201.00	
0007 EX00007	<0.2	22.52	0.558	0.53	3.38	110	2.9	2113.00	2145.00	13.17
0008 EX00008								3175.00	3224.00	
0009 EX00009	<0.2	26.84	0.324	0.83	3.24	208	2.9	1995.00	2019.00	10.36
0010 EX00010								1985.00	2005.00	
0011 EX00011	<0.2	2.29	0.028	0.62	0.45	7	0.1	1624.00	1633.00	2.65
0012 EX00012								2218.00	2318.00	
0013 EX00013	<0.2	14.91	0.605	0.68	7.13	144	0.4	60.00	60.00	25.48
0014 EX00014								1989.00	2019.00	
0015 EX00015	<0.2	25.92	0.409	0.38	3.85	166	2.8	1892.00	1918.00	10.69
0016 EX00016								2589.00	2775.00	
0017 EX00017	<0.2	29.52	0.515	1.79	4.90	175	3.4	2018.00	2104.00	20.24
0018 EX00018								1953.00	1983.00	
0019 EX00019	<0.2	31.96	0.587	0.30	4.69	157	3.5	2288.00	2329.00	13.52
0020 EX00020								2205.00	2238.00	
0021 EX00020 Pulp Dup										
0022 EX00021	<0.2	20.87	0.397	0.17	4.12	86	3.1	2193.00	2222.00	10.91
0023 EX00022								1910.00	1954.00	
0024 EX00023	<0.2	19.57	0.288	0.27	4.12	193	2.7	1585.00	1628.00	8.65
0025 EX00024								2336.00	2377.00	
0026 EX00025	<0.2	12.29	0.296	0.21	3.51	110	2.7	2028.00	2078.00	7.38
0027 EX00026								2312.00	2360.00	
0028 EX00027	<0.2	13.59	0.267	0.53	2.59	36	2.9	1074.00	1088.00	11.59
0029 EX00028								975.00	987.00	
0030 EX00029	<0.2	13.23	0.222	0.66	2.77	35	2.2	1972.00	1996.00	11.47
0031 EX00030								2414.00	2437.00	
0032 EX00031	<0.2	11.32	0.224	0.37	3.02	33	3.1	2159.00	2212.00	10.10
0033 EX00032								2544.00	2569.00	
0034 EX00033	0.2	15.24	0.338	0.62	3.91	87	5.2	3400.00	3466.00	14.51
0035 EX00034								60.00	60.00	
0036 EX00035	<0.2	16.16	0.295	0.47	4.31	81	3.5	2045.00	2150.00	16.55
0037 EX00036								2288.00	2296.00	
0038 EX00037	0.6	19.28	0.383	0.74	3.37	91	4.7	2611.00	2623.00	25.11
0039 EX00038	0.4	14.63	0.295	0.39	2.86	61	3.0	2321.00	2328.00	20.92
0040 EX00039								1912.00	1919.00	



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				
0001 EX00001	18	84.1		
0002 EX00002				
0003 EX00003	21	121.5		
0004 EX00004				
0005 EX00005	41	169.7		
0006 EX00006				
0007 EX00007	44	173.4		
0008 EX00008				
0009 EX00009	38	133.5		
0010 EX00010				
0011 EX00011	1	53.7		
0012 EX00012				
0013 EX00013	76	108.0		
0014 EX00014				
0015 EX00015	33	158.8		
0016 EX00016				
0017 EX00017	30	168.0	100.00	100.00
0018 EX00018				
0019 EX00019	29	166.4		
0020 EX00020				
0021 EX00020 Pulp Dup			100.00	100.00
0022 EX00021	9	128.2		
0023 EX00022				
0024 EX00023	9	114.0		
0025 EX00024				
0026 EX00025	10	129.5		
0027 EX00026				
0028 EX00027	7	172.6		
0029 EX00028				
0030 EX00029	7	186.6		
0031 EX00030				
0032 EX00031	11	147.0		
0033 EX00032				
0034 EX00033	20	119.3		
0035 EX00034				
0036 EX00035	16	154.5		
0037 EX00036				
0038 EX00037	29	132.1	100.00	100.00
0039 EX00038	21	154.9		
0040 EX00039				



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0041 EX00040	31.20	<0.005	<0.05	8.605	63.8	390.0	1.73	0.34	<0.05	<0.02
0042 EX00040 Pulp Dup	32.00	<0.005								
0043 EX00041	32.50	<0.005								
0044 EX00042	31.00	<0.005	0.28	6.251	95.9	108.6	1.95	0.30	<0.05	0.06
0045 EX00043	32.50	<0.005								
0046 EX00044	32.00	<0.005	0.24	6.172	31.4	218.4	1.25	0.30	<0.05	0.02
0047 EX00045	33.60	<0.005								
0048 EX00046	32.00	<0.005	0.12	5.850	51.7	238.6	1.65	0.25	<0.05	0.03
0049 EX00047	33.00	<0.005								
0050 EX00048	33.00	<0.005	0.10	6.226	144.7	319.0	2.37	0.26	<0.05	0.04
0051 EX00049	33.00	<0.005								
0052 EX00050	33.00	<0.005	0.18	6.530	55.9	326.9	1.92	0.28	<0.05	0.03
0053 EX00051	32.50	<0.005								
0054 EX00052	34.00	<0.005	0.20	6.330	92.0	219.1	2.40	0.30	<0.05	0.05
0055 EX00053	33.00	<0.005								
0056 EX00054	31.60	<0.005	0.13	5.900	62.0	639.8	1.82	0.30	<0.05	0.05
0057 EX00055	33.00	<0.005								
0058 EX00056	33.60	<0.005	0.16	5.298	65.3	393.2	2.20	0.65	<0.05	0.04
0059 EX00057	33.60	<0.005								
0060 EX00058	34.10	0.377	1.42	7.916	0.4	452.4	2.00	0.10	4.23	0.05
0061 EX00059	32.00	<0.005								
0062 EX00060	36.50	<0.005	0.13	7.365	92.3	559.1	3.75	0.42	<0.05	0.04
0063 EX00060 Pulp Dup	31.30	<0.005								
0064 EX00061	31.60	<0.005								
0065 EX00062	33.00	<0.005	0.25	5.412	41.2	422.2	1.85	0.29	<0.05	0.02
0066 EX00063	33.00	<0.005								
0067 EX00064	34.30	<0.005	0.49	5.554	39.4	478.8	2.20	0.28	<0.05	0.03
0068 EX00065	34.00	<0.005								
0069 EX00066	32.80	<0.005	0.06	6.343	12.3	753.0	2.19	0.29	<0.05	<0.02
0070 EX00067	30.00	<0.005								
0071 EX00068	31.00	<0.005	0.40	5.982	25.1	724.5	2.18	0.20	<0.05	0.03
0072 EX00069	31.50	<0.005								
0073 EX00070	31.00	<0.005	0.76	5.829	49.1	811.7	2.03	0.20	<0.05	<0.02
0074 EX00071	32.00	<0.005								
0075 EX00072	33.50	<0.005	0.54	5.664	12.4	697.5	1.73	0.23	<0.05	<0.02
0076 EX00073	33.70	<0.005	0.84	5.408	27.5	769.7	2.29	0.40	<0.05	0.02
0077 EX00074	34.20	<0.005								
0078 EX00075	29.00	<0.005	0.28	5.962	10.3	741.8	1.91	0.30	<0.05	<0.02
0079 EX00076	30.00	<0.005								
0080 EX00077	32.10	<0.005	0.27	5.471	16.2	647.8	1.78	0.29	<0.05	<0.02



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0041 EX00040	56.67	2.0	42	1.79	8.4	2.17	20.8	1.1	5.13	0.07
0042 EX00040 Pulp Dup										
0043 EX00041										
0044 EX00042	57.63	8.7	28	3.59	15.7	2.70	13.9	1.1	5.29	0.04
0045 EX00043										
0046 EX00044	73.65	4.1	29	7.05	10.9	2.29	14.8	1.3	5.70	0.04
0047 EX00045										
0048 EX00046	99.77	8.2	25	6.67	13.7	2.24	13.9	1.2	5.47	0.04
0049 EX00047										
0050 EX00048	119.43	6.7	30	1.91	17.7	2.41	15.4	1.0	5.25	0.05
0051 EX00049										
0052 EX00050	209.97	5.5	33	7.62	12.9	2.17	16.2	1.5	5.18	0.05
0053 EX00051										
0054 EX00052	301.63	6.3	29	7.48	16.2	2.70	15.2	1.3	5.65	0.05
0055 EX00053										
0056 EX00054	234.41	7.2	29	5.56	12.1	2.34	14.1	1.2	5.42	0.04
0057 EX00055										
0058 EX00056	150.13	6.9	24	5.85	15.5	2.11	11.8	1.2	5.39	0.05
0059 EX00057										
0060 EX00058	39.79	22.2	71	2.67	38.6	5.04	22.5	0.8	3.27	0.06
0061 EX00059										
0062 EX00060	110.00	9.5	41	9.81	18.8	3.19	19.4	1.3	5.21	0.06
0063 EX00060 Pulp Dup										
0064 EX00061										
0065 EX00062	72.77	4.9	21	3.95	9.3	1.85	12.6	1.2	5.19	0.04
0066 EX00063										
0067 EX00064	78.80	7.8	25	4.06	15.6	2.14	13.4	1.2	5.47	0.03
0068 EX00065										
0069 EX00066	81.82	8.6	28	5.78	12.4	2.29	15.2	1.2	5.94	0.05
0070 EX00067										
0071 EX00068	89.56	18.4	27	4.89	11.9	2.38	14.7	1.3	5.49	0.04
0072 EX00069										
0073 EX00070	120.64	21.6	25	3.07	16.9	2.33	14.5	1.4	5.67	0.05
0074 EX00071										
0075 EX00072	85.91	9.4	29	4.65	14.5	2.23	13.7	1.3	5.49	0.05
0076 EX00073	89.19	11.4	28	4.67	16.3	2.53	12.0	1.2	5.52	0.02
0077 EX00074										
0078 EX00075	84.15	9.4	30	5.16	15.2	2.47	14.9	1.3	5.07	0.05
0079 EX00076										
0080 EX00077	72.32	9.1	27	4.79	17.1	2.18	12.7	1.2	4.56	0.03



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0041 EX00040	1.907	33.43	13.6	0.224	75	0.2	0.05	13.33	5.2	0.014
0042 EX00040 Pulp Dup										
0043 EX00041										
0044 EX00042	0.738	26.46	9.8	0.146	112	0.3	0.03	8.97	15.7	0.014
0045 EX00043										
0046 EX00044	1.552	35.01	11.3	0.299	157	0.3	0.04	9.24	10.1	0.010
0047 EX00045										
0048 EX00046	1.521	50.32	11.0	0.314	278	0.2	0.04	8.70	11.7	0.015
0049 EX00047										
0050 EX00048	2.068	72.64	11.9	0.245	181	0.5	0.05	9.35	12.6	0.020
0051 EX00049										
0052 EX00050	2.293	64.54	13.4	0.371	193	0.3	0.05	9.60	10.0	0.015
0053 EX00051										
0054 EX00052	1.567	73.44	12.2	0.315	188	0.3	0.04	9.39	13.9	0.021
0055 EX00053										
0056 EX00054	1.946	46.78	10.5	0.232	293	0.3	0.05	8.88	8.0	0.015
0057 EX00055										
0058 EX00056	1.666	61.57	10.2	0.237	292	0.4	0.04	7.95	8.2	0.020
0059 EX00057										
0060 EX00058	1.967	21.43	19.1	1.937	841	5.8	2.66	8.77	25.9	0.051
0061 EX00059										
0062 EX00060	3.402	62.16	20.7	0.628	327	0.4	0.07	11.62	15.8	0.014
0063 EX00060 Pulp Dup										
0064 EX00061										
0065 EX00062	2.313	60.23	11.5	0.309	189	0.2	0.06	8.12	8.4	0.013
0066 EX00063										
0067 EX00064	2.549	48.87	12.2	0.356	245	0.3	0.06	8.48	10.1	0.012
0068 EX00065										
0069 EX00066	2.886	53.83	14.4	0.485	286	0.4	0.07	9.69	12.6	0.020
0070 EX00067										
0071 EX00068	3.058	44.58	14.0	0.438	1102	0.5	0.07	9.26	11.7	0.016
0072 EX00069										
0073 EX00070	2.917	49.40	11.8	0.330	1309	0.4	0.06	8.99	11.0	0.016
0074 EX00071										
0075 EX00072	3.085	47.82	14.4	0.469	315	0.3	0.06	8.78	12.1	0.016
0076 EX00073	2.976	50.44	12.1	0.435	360	0.4	0.06	8.45	13.8	0.021
0077 EX00074										
0078 EX00075	3.191	45.05	15.9	0.554	305	0.6	0.07	9.21	14.0	0.015
0079 EX00076										
0080 EX00077	2.628	39.69	11.7	0.484	255	0.9	0.06	7.51	12.7	0.013



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0041 EX00040	29.3	92.17	<0.002	<0.05	0.94	12.4	<0.5	7.3	27.35	1.36
0042 EX00040 Pulp Dup										
0043 EX00041										
0044 EX00042	11.3	59.64	<0.002	<0.05	0.47	7.5	<0.5	4.9	7.38	0.96
0045 EX00043										
0046 EX00044	8.9	184.11	<0.002	<0.05	0.45	8.7	<0.5	6.0	9.08	0.99
0047 EX00045										
0048 EX00046	11.7	167.53	<0.002	<0.05	0.42	7.8	<0.5	4.8	10.46	0.95
0049 EX00047										
0050 EX00048	16.0*	105.72	<0.002	<0.05	0.73	8.8	<0.5	6.3	14.69	0.98
0051 EX00049										
0052 EX00050	16.6	215.85	<0.002	<0.05	0.48	9.2	<0.5	6.3	12.38	1.03
0053 EX00051										
0054 EX00052	15.7	191.17	<0.002	<0.05	0.52	8.4	<0.5	4.8	11.85	0.99
0055 EX00053										
0056 EX00054	23.9	144.49	<0.002	<0.05	0.62	7.8	<0.5	5.5	18.31	0.95
0057 EX00055										
0058 EX00056	26.4	130.00	<0.002	<0.05	0.70	6.1	<0.5	4.1	25.25	0.87
0059 EX00057										
0060 EX00058	25.9	108.57	<0.002	<0.05	<0.05	20.0	<0.5	2.7	175.55	1.07
0061 EX00059										
0062 EX00060	26.3	333.00	<0.002	<0.05	0.75	10.1	<0.5	6.2	18.76	1.25
0063 EX00060 Pulp Dup										
0064 EX00061										
0065 EX00062	22.0	142.60	<0.002	<0.05	0.54	6.6	<0.5	4.5	25.73	0.89
0066 EX00063										
0067 EX00064	18.5	165.84	<0.002	<0.05	0.60	6.6	<0.5	5.2	23.95	0.95
0068 EX00065										
0069 EX00066	22.1	236.78	<0.002	<0.05	0.48	7.7	<0.5	5.1	42.57	1.04
0070 EX00067										
0071 EX00068	30.5	210.00	<0.002	<0.05	0.57	7.8	<0.5	5.6	29.51	0.98
0072 EX00069										
0073 EX00070	25.6	157.86	<0.002	<0.05	0.61	7.1	<0.5	6.3	27.49	0.99
0074 EX00071										
0075 EX00072	23.1	170.75	<0.002	<0.05	0.52	6.9	<0.5	6.1	33.62	0.99
0076 EX00073	47.4	163.82	<0.002	<0.05	0.62	6.9	<0.5	4.5	49.18	0.92
0077 EX00074										
0078 EX00075	29.4	179.16	<0.002	<0.05	0.58	7.9	<0.5	6.3	36.74	0.99
0079 EX00076										
0080 EX00077	28.0	144.58	<0.002	<0.05	0.53	6.6	<0.5	4.9	25.85	0.80



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0041 EX00040	<0.2	17.88	0.355	0.30	4.50	55	3.3	2072.00	2080.00	22.28
0042 EX00040 Pulp Dup										
0043 EX00041								2070.00	2085.00	
0044 EX00042	<0.2	18.03	0.241	0.29	3.86	36	2.4	2076.00	2093.00	22.22
0045 EX00043								2321.00	2330.00	
0046 EX00044	<0.2	19.35	0.242	1.14	2.85	40	2.6	2064.00	2071.00	22.96
0047 EX00045								2175.00	2183.00	
0048 EX00046	<0.2	19.87	0.229	1.00	3.15	36	2.1	2429.00	2445.00	23.55
0049 EX00047								2239.00	2258.00	
0050 EX00048	<0.2	17.13	0.248	0.38	4.31	44	3.2	2197.00	2205.00	25.56
0051 EX00049								2764.00	2777.00	
0052 EX00050	<0.2	16.54	0.263	1.17	3.08	45	2.9	1176.00	1183.00	26.38
0053 EX00051								1066.00	1073.00	
0054 EX00052	<0.2	17.92	0.256	1.10	3.91	41	2.9	2100.00	2248.00	31.59
0055 EX00053								2138.00	2263.00	
0056 EX00054	<0.2	18.84	0.239	0.76	3.52	39	2.5	2514.00	2708.00	28.17
0057 EX00055								1057.00	1077.00	
0058 EX00056	<0.2	17.76	0.206	0.72	3.83	32	1.9	2646.00	2656.00	32.63
0059 EX00057								2641.00	2650.00	
0060 EX00058	<0.2	14.59	0.615	0.69	7.86	145	0.5	60.00	60.00	26.39
0061 EX00059								2729.00	2742.00	
0062 EX00060	<0.2	18.39	0.283	2.01	4.73	53	3.4	2628.00	2642.00	43.39
0063 EX00060 Pulp Dup										
0064 EX00061								2903.00	2910.00	
0065 EX00062	<0.2	17.73	0.206	0.82	3.46	31	1.8	2383.00	2399.00	33.28
0066 EX00063								3033.00	3046.00	
0067 EX00064	<0.2	18.52	0.220	0.88	3.57	34	2.1	2117.00	2146.00	35.28
0068 EX00065								2441.00	2470.00	
0069 EX00066	<0.2	19.78	0.246	1.27	3.55	37	2.2	2641.00	2648.00	39.51
0070 EX00067								2384.00	2389.00	
0071 EX00068	<0.2	19.53	0.236	1.23	3.05	41	2.2	2571.00	2576.00	32.51
0072 EX00069								2527.00	2534.00	
0073 EX00070	<0.2	19.16	0.228	0.89	3.65	39	2.1	2339.00	2346.00	30.10
0074 EX00071								2335.00	2344.00	
0075 EX00072	<0.2	19.06	0.225	0.93	3.14	36	2.2	2953.00	2965.00	27.95
0076 EX00073	<0.2	18.66	0.229	0.93	3.60	33	1.4	1347.00	1355.00	30.14
0077 EX00074								1220.00	1227.00	
0078 EX00075	<0.2	18.51	0.241	0.97	3.04	41	2.6	2742.00	2751.00	25.18
0079 EX00076								2031.00	2050.00	
0080 EX00077	<0.2	15.79	0.199	0.80	2.97	35	1.8	2723.00	2741.00	23.32



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				
0041 EX00040	20	180.8		
0042 EX00040 Pulp Dup				
0043 EX00041				
0044 EX00042	53	178.0		
0045 EX00043				
0046 EX00044	42	185.9		
0047 EX00045				
0048 EX00046	41	185.3		
0049 EX00047				
0050 EX00048	33	180.5		
0051 EX00049				
0052 EX00050	39	178.6		
0053 EX00051				
0054 EX00052	46	191.7		
0055 EX00053				
0056 EX00054	29	182.5		
0057 EX00055				
0058 EX00056	34	179.0		
0059 EX00057			98.48	100.00
0060 EX00058	78	111.8		
0061 EX00059				
0062 EX00060	121	176.2		
0063 EX00060 Pulp Dup				
0064 EX00061				
0065 EX00062	53	174.1		
0066 EX00063				
0067 EX00064	63	179.8		
0068 EX00065				
0069 EX00066	91	198.6		
0070 EX00067				
0071 EX00068	71	187.0		
0072 EX00069				
0073 EX00070	56	196.1		
0074 EX00071				
0075 EX00072	69	183.1		
0076 EX00073	73	194.8		
0077 EX00074				
0078 EX00075	69	175.6		
0079 EX00076				
0080 EX00077	59	154.5	98.27	100.00



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0081 EX00078	32.00	<0.005								
0082 EX00079	31.40	<0.005	0.24	6.138	23.2	683.8	1.86	0.17	<0.05	0.02
0083 EX00080	34.00	2.530								
0084 EX00080 Pulp Dup	33.00	I/S								
0085 EX00081	32.30	<0.005	0.32	6.228	58.3	734.6	2.61	0.24	<0.05	0.03
0086 EX00082	33.50	<0.005								
0087 EX00083	36.70	<0.005	0.24	6.177	21.6	695.6	1.58	0.32	0.05	<0.02
0088 EX00084	38.60	<0.005								
0089 EX00085	37.20	<0.005	<0.05	6.056	55.3	670.2	2.24	0.31	<0.05	0.02
0090 EX00086	36.60	<0.005								
0091 EX00087	39.50	<0.005	<0.05	6.379	26.4	786.2	1.52	0.24	<0.05	<0.02
0092 EX00088	34.70	<0.005								
0093 EX00089	35.70	<0.005	0.08	6.349	18.4	727.7	1.99	0.31	0.05	0.03
0094 EX00090	36.10	<0.005								
0095 EX00091	36.30	<0.005	<0.05	6.111	2.6	643.5	2.00	0.31	0.14	0.02
0096 EX00092	39.70	<0.005								
0097 EX00093	39.80	<0.005	<0.05	6.014	10.4	663.6	1.99	0.28	0.25	<0.02
0098 EX00094	41.30	<0.005								
0099 EX00095	38.90	<0.005	<0.05	5.906	54.3	607.3	3.31	0.44	0.13	0.03
0100 EX00096	36.40	0.005								
0101 EX00097	36.70	<0.005	<0.05	5.950	40.5	648.3	2.30	0.18	0.08	0.02
0102 EX00098	34.70	<0.005								
0103 EX00099	39.80	0.013	<0.05	11.170	244.2	675.4	5.12	0.48	0.27	0.05
0104 EX00100	41.50	0.005								
0105 EX00100 Pulp Dup	41.30	0.006								
0106 EX00101	37.20	<0.005	<0.05	3.684	1.3	486.0	0.31	1.14*	<0.05	<0.02
0107 EX00102	38.80	0.005								
0108 EX00103	37.90	0.371	1.32	7.850	0.4	442.9	2.01	0.10	4.18	0.06
0109 EX00104	36.60	<0.005								
0110 EX00105	38.40	<0.005	<0.05	9.691	126.3	702.7	4.49	0.95	0.17	0.03
0111 EX00106	35.90	0.009								
0112 EX00107	38.50	0.025	1.19	7.648	52.1	573.4	3.86	0.43	0.40	0.06
0113 EX00108	40.00	<0.005	<0.05	7.306	63.7	575.7	3.63	0.31	0.36	0.04
0114 EX00109	42.40	<0.005								
0115 EX00110	36.80	<0.005	<0.05	6.680	14.7	656.8	2.05	0.16	0.18	0.03
0116 EX00111	33.70	<0.005								
0117 EX00112	35.30	<0.005	0.06	6.945	8.9	587.3	2.28	0.39	0.32	<0.02
0118 EX00113	36.50	<0.005								
0119 EX00114	35.60	<0.005	<0.05	6.934	10.3	537.5	2.43	0.32	0.44	<0.02
0120 EX00115	37.30	<0.005								



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0081 EX00078										
0082 EX00079	82.86	10.4	31	5.27	11.0	2.76	15.7	1.3	5.36	0.04
0083 EX00080										
0084 EX00080 Pulp Dup										
0085 EX00081	70.10	15.5	33	4.59	18.3	3.51	15.8	1.2	5.55	0.05
0086 EX00082										
0087 EX00083	79.23	10.7	30	5.22	12.6	2.60	15.1	1.3	5.16	0.05
0088 EX00084										
0089 EX00085	82.73	12.2	31	5.21	13.4	2.85	15.0	1.4	4.93	0.05
0090 EX00086										
0091 EX00087	73.79	9.1	32	3.87	10.9	2.09	15.7	1.2	5.55	0.06
0092 EX00088										
0093 EX00089	90.06	8.7	34	4.73	10.9	2.42	16.1	1.2	5.72	0.04
0094 EX00090										
0095 EX00091	83.22	7.4	33	5.26	10.1	2.40	14.8	1.3	5.24	0.04
0096 EX00092										
0097 EX00093	82.26	8.1	35	4.61	8.3	2.41	14.5	1.1	4.77	0.04
0098 EX00094										
0099 EX00095	79.53	11.4	33	3.13	9.7	2.66	14.7	1.1	5.11	0.05
0100 EX00096										
0101 EX00097	77.25	7.3	31	3.08	12.8	2.09	14.0	1.1	5.12	0.04
0102 EX00098										
0103 EX00099	114.81	20.6	71	13.72	18.2	8.67	32.6	1.3	3.45	0.10
0104 EX00100										
0105 EX00100 Pulp Dup										
0106 EX00101	13.32	0.3	8	0.94	2.7	0.32	6.1	0.8	1.61	0.02
0107 EX00102										
0108 EX00103	40.19	21.9	53	2.58	39.2	4.97	22.0	0.7	3.18	0.05
0109 EX00104										
0110 EX00105	87.95	15.8	65	7.38	37.9	5.30	26.0	1.4	4.17	0.11
0111 EX00106										
0112 EX00107	73.96	30.7	47	19.11	35.4	9.14	26.6	1.0	9.43	0.10
0113 EX00108	72.71	30.3	46	20.80	45.8	9.22	24.2	1.1	8.42	0.09
0114 EX00109										
0115 EX00110	80.28	9.0	42	8.37	5.8	3.50	17.0	1.1	5.20	0.04
0116 EX00111										
0117 EX00112	80.65	10.0	42	8.03	14.6	3.44	17.6	1.1	4.83	0.05
0118 EX00113										
0119 EX00114	79.33	9.9	39	7.35	13.0	3.49	17.4	1.1	4.94	0.05
0120 EX00115										



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0081 EX00078										
0082 EX00079	3.086	42.27	12.7	0.575	302	0.2	0.07	9.75	15.8	0.014
0083 EX00080										
0084 EX00080 Pulp Dup										
0085 EX00081	3.015	36.07	12.0	0.531	563	0.4	0.07	9.71	19.2	0.017
0086 EX00082										
0087 EX00083	2.903	39.28	12.1	0.580	338	0.2	0.07	9.58	15.3	0.011
0088 EX00084										
0089 EX00085	2.820	40.71	11.5	0.521	463	0.3	0.07	9.28	15.6	0.013
0090 EX00086										
0091 EX00087	3.504	36.38	11.4	0.488	353	0.3	0.08	9.60	12.9	0.011
0092 EX00088										
0093 EX00089	3.137	45.79	12.5	0.569	308	0.2	0.18	9.97	14.0	0.013
0094 EX00090										
0095 EX00091	2.800	41.70	16.6	0.645	318	0.2	0.52	9.48	16.4	0.029
0096 EX00092										
0097 EX00093	2.628	41.66	13.6	0.632	244	0.3	0.69	9.29	16.1	0.051
0098 EX00094										
0099 EX00095	3.236	40.33	15.5	0.655	114	0.5	0.35	9.35	22.1	0.042
0100 EX00096										
0101 EX00097	2.999	38.43	13.7	0.543	102	0.3	0.41	9.22	14.3	0.020
0102 EX00098										
0103 EX00099	5.513	59.46	35.1	2.024	369	0.3	0.29	14.99	46.2	0.077
0104 EX00100										
0105 EX00100 Pulp Dup										
0106 EX00101	3.760	6.93	2.5	0.062	25	0.3	0.08	1.04	1.3	<0.005
0107 EX00102										
0108 EX00103	1.943	21.83	18.2	1.912	820	5.7	2.62	8.56	25.9	0.050
0109 EX00104										
0110 EX00105	4.713	43.42	27.7	1.181	262	0.6	0.27	14.14	52.0	0.064
0111 EX00106										
0112 EX00107	3.732	35.70	32.0	1.662	1009	1.1	0.07	23.02	21.2	0.141
0113 EX00108	4.023	33.47	35.1	1.817	827	1.0	0.20	20.08	26.3	0.131
0114 EX00109										
0115 EX00110	3.123	40.05	21.3	0.919	275	0.2	0.61	10.75	18.8	0.058
0116 EX00111										
0117 EX00112	2.693	40.24	21.4	1.002	408	0.1	0.87	10.87	19.3	0.055
0118 EX00113										
0119 EX00114	2.552	39.67	19.5	1.038	445	0.2	1.03	10.67	19.4	0.057
0120 EX00115										



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0081 EX00078										
0082 EX00079	16.8	173.47	<0.002	<0.05	0.60	8.3	<0.5	5.3	19.09	1.04
0083 EX00080										
0084 EX00080 Pulp Dup										
0085 EX00081	19.0	164.45	<0.002	<0.05	0.62	8.6	<0.5	5.5	19.01	1.04
0086 EX00082										
0087 EX00083	11.4	164.12	<0.002	<0.05	0.46	8.4	<0.5	5.8	17.31	1.01
0088 EX00084										
0089 EX00085	23.5	160.72	<0.002	<0.05	0.72	8.1	<0.5	5.2	16.65	0.97
0090 EX00086										
0091 EX00087	17.6	175.50	<0.002	<0.05	0.51	8.6	<0.5	6.7	21.62	1.01
0092 EX00088										
0093 EX00089	24.9	163.44	<0.002	<0.05	0.58	8.5	<0.5	5.3	25.59	1.05
0094 EX00090										
0095 EX00091	17.1	155.21	<0.002	<0.05	0.39	8.2	<0.5	4.6	24.93	1.03
0096 EX00092										
0097 EX00093	16.9	140.73	<0.002	<0.05	0.61	8.0	<0.5	4.5	31.45	0.98
0098 EX00094										
0099 EX00095	13.4	163.31	<0.002	<0.05	0.92	8.2	<0.5	5.4	19.62	0.96
0100 EX00096										
0101 EX00097	10.4	146.30	<0.002	<0.05	0.65	7.9	<0.5	5.0	20.20	0.99
0102 EX00098										
0103 EX00099	27.9	371.00	<0.002	<0.05	2.12	19.0	<0.5	6.9	29.50	1.45
0104 EX00100										
0105 EX00100 Pulp Dup										
0106 EX00101	10.4	143.57	<0.002	<0.05	0.17	1.2	<0.5	0.4	18.41	0.11
0107 EX00102										
0108 EX00103	25.6	106.22	<0.002	0.06	0.06	20.0	<0.5	2.7	174.22	1.02
0109 EX00104										
0110 EX00105	25.4	233.49	<0.002	<0.05	3.32	16.8	<0.5	7.1	26.26	1.41
0111 EX00106										
0112 EX00107	46.9	275.50	<0.002	0.07	1.72	30.7	3.5	3.7	30.54	1.58
0113 EX00108	27.2	281.07	<0.002	<0.05	1.31	28.7	<0.5	3.7	28.26	1.45
0114 EX00109										
0115 EX00110	12.8	173.32	<0.002	<0.05	0.47	11.1	<0.5	4.9	25.11	1.12
0116 EX00111										
0117 EX00112	9.6	164.41	<0.002	<0.05	0.39	10.8	<0.5	4.7	45.82	1.11
0118 EX00113										
0119 EX00114	12.1	165.25	<0.002	<0.05	0.33	10.8	<0.5	4.6	61.91	1.08
0120 EX00115										



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0081 EX00078								2324.00	2335.00	
0082 EX00079	<0.2	18.68	0.257	0.91	3.35	45	2.3	2202.00	2215.00	24.37
0083 EX00080								60.00	60.00	
0084 EX00080 Pulp Dup										
0085 EX00081	<0.2	18.05	0.257	0.80	4.36	48	2.4	2466.00	2480.00	24.23
0086 EX00082								2922.00	2948.00	
0087 EX00083	<0.2	17.86	0.251	0.83	3.15	43	2.3	2668.00	2688.00	25.58
0088 EX00084								2261.00	2275.00	
0089 EX00085	<0.2	17.77	0.246	0.77	3.35	44	2.3	3216.00	3232.00	23.78
0090 EX00086								2494.00	2509.00	
0091 EX00087	<0.2	18.90	0.254	0.82	3.54	44	2.7	2193.00	2205.00	22.88
0092 EX00088								2834.00	2847.00	
0093 EX00089	<0.2	18.70	0.266	0.85	3.55	44	2.3	2286.00	2300.00	27.13
0094 EX00090								2767.00	2785.00	
0095 EX00091	<0.2	17.71	0.249	0.89	3.01	41	2.4	2556.00	2570.00	26.14
0096 EX00092								2756.00	2782.00	
0097 EX00093	<0.2	17.42	0.243	0.76	3.01	43	2.1	2752.00	2772.00	21.60
0098 EX00094								3035.00	3054.00	
0099 EX00095	<0.2	16.35	0.240	0.61	4.44	44	2.2	1961.00	1972.00	18.55
0100 EX00096								1711.00	1722.00	
0101 EX00097	<0.2	17.55	0.241	0.56	3.69	43	2.4	3524.00	3547.00	16.67
0102 EX00098								2796.00	2846.00	
0103 EX00099	0.2	18.90	0.368	1.73	7.97	94	2.2	3780.00	3838.00	34.88
0104 EX00100								3608.00	3645.00	
0105 EX00100 Pulp Dup										
0106 EX00101	<0.2	2.50	0.025	0.63	0.46	7	0.1	1467.00	1503.00	3.50
0107 EX00102								3608.00	3635.00	
0108 EX00103	<0.2	15.08	0.612	0.67	6.91	122	0.4	60.00	60.00	25.59
0109 EX00104								3931.00	3954.00	
0110 EX00105	0.4	18.43	0.365	0.95	5.92	79	4.1	3454.00	3505.00	24.34
0111 EX00106								3406.00	3432.00	
0112 EX00107	<0.2	8.27	1.367	1.66	6.96	246	2.7	2661.00	2695.00	38.46
0113 EX00108	<0.2	8.99	1.197	1.75	4.58	221	2.4	3114.00	3135.00	32.47
0114 EX00109								3830.00	3871.00	
0115 EX00110	<0.2	16.76	0.295	0.88	3.27	58	2.4	3494.00	3510.00	21.30
0116 EX00111								3300.00	3320.00	
0117 EX00112	<0.2	17.13	0.294	0.94	3.09	56	2.3	4157.00	4186.00	26.33
0118 EX00113								2282.00	2301.00	
0119 EX00114	<0.2	16.13	0.296	0.87	3.08	57	1.8	2441.00	2460.00	23.76
0120 EX00115								3779.00	3806.00	



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				

0081 EX00078				
0082 EX00079	68	183.2		
0083 EX00080				
0084 EX00080 Pulp Dup				
0085 EX00081	69	189.7		
0086 EX00082				
0087 EX00083	62	178.5		
0088 EX00084				
0089 EX00085	70	167.9		
0090 EX00086				
0091 EX00087	52	184.8		
0092 EX00088				
0093 EX00089	50	193.7		
0094 EX00090				
0095 EX00091	54	176.9		
0096 EX00092				
0097 EX00093	51	165.3		
0098 EX00094				
0099 EX00095	49	174.4		
0100 EX00096				
0101 EX00097	28	174.4	98.30	100.00
0102 EX00098				
0103 EX00099	157	114.9		
0104 EX00100				
0105 EX00100 Pulp Dup				
0106 EX00101	2	54.4		
0107 EX00102				
0108 EX00103	77	108.0		
0109 EX00104				
0110 EX00105	267	135.4		
0111 EX00106				
0112 EX00107	209	390.6		
0113 EX00108	170	338.3		
0114 EX00109				
0115 EX00110	48	176.7		
0116 EX00111				
0117 EX00112	49	166.1		
0118 EX00113				
0119 EX00114	68	172.2		
0120 EX00115				



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0121 EX00116	38.20	<0.005	<0.05	6.972	19.0	655.4	2.31	0.29	0.21	<0.02
0122 EX00117	37.90	<0.005								
0123 EX00118	37.20	<0.005	0.14	7.142	32.2	662.5	2.50	0.35	0.20	<0.02
0124 EX00119	38.20	<0.005								
0125 EX00120	36.90	<0.005	0.08	7.786	45.4	770.3	3.16	0.43	0.19	<0.02
0126 EX00120 Pulp Dup	36.10	<0.005								
0127 EX00121	36.70	<0.005								
0128 EX00122	37.20	<0.005	<0.05	4.939	8.3	619.4	1.85	0.15	0.27	<0.02
0129 EX00123	37.20	<0.005								
0130 EX00124	39.50	<0.005	<0.05	4.819	5.9	645.6	1.68	0.21	0.42	<0.02
0131 EX00125	38.80	2.527								
0132 EX00126	39.00	<0.005	<0.05	5.135	7.1	654.2	1.33	0.24	0.29	0.02
0133 EX00127	39.50	<0.005								
0134 EX00128	39.60	<0.005	0.11	5.388	18.0	642.8	1.62	0.24	0.16	<0.02
0135 EX00129	39.10	<0.005								
0136 EX00130	40.30	<0.005	0.14	5.435	5.2	663.5	1.49	0.32	0.27	<0.02
0137 EX00131	39.90	<0.005								
0138 EX00132	39.50	<0.005	0.06	5.459	3.9	650.4	1.47	0.25	0.27	0.02
0139 EX00133	41.30	<0.005								
0140 EX00134	40.30	<0.005	0.09	5.481	2.9	673.3	1.56	0.24	0.32	<0.02
0141 EX00135	39.50	<0.005								
0142 EX00136	40.30	<0.005	0.06	5.388	6.3	578.9	2.01	0.35	0.44	0.02
0143 EX00137	39.40	<0.005								
0144 EX00138	36.90	<0.005	0.20	3.624	1.1	474.8	0.32	0.05	<0.05	<0.02
0145 EX00139	40.20	<0.005								
0146 EX00140	39.30	<0.005	0.41	5.269	16.7	648.9	1.79	0.25	0.13	<0.02
0147 EX00140 Pulp Dup	38.30	<0.005								
0148 EX00141	39.70	<0.005								
0149 EX00142	40.30	<0.005	<0.05	5.325	31.4	610.7	2.38	0.24	0.12	<0.02
0150 EX00143	38.20	<0.005	<0.05	5.366	34.0	607.1	2.35	0.23	0.13	<0.02
0151 EX00144	38.60	<0.005								
0152 EX00145	40.20	<0.005	0.33	5.128	15.0	624.3	1.54	0.17	0.11	<0.02
0153 EX00146	36.30	<0.005								
0154 EX00147	38.40	0.371	1.39	7.836	0.2	441.6	2.05	0.10	4.20	0.06
0155 EX00148	39.40	<0.005								
0156 EX00149	40.80	<0.005	0.06	6.543	24.2	157.9	2.44	0.17	0.38	<0.02
0157 EX00150	41.30	0.005								
0158 EX00151	41.90	<0.005	<0.05	6.606	25.6	39.3	1.79	0.11	0.61	0.04
0159 EX00152	41.60	<0.005								
0160 EX00153	38.40	0.007	<0.05	6.042	7.1	738.5	2.01	0.23	0.29	0.02



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0121 EX00116	86.51	10.8	38	5.08	13.5	3.37	17.2	1.2	5.76	0.05
0122 EX00117										
0123 EX00118	88.17	9.9	42	6.33	14.8	3.47	18.2	1.2	5.47	0.07
0124 EX00119										
0125 EX00120	85.74	11.3	60	4.33	12.6	3.23	20.7	1.2	5.66	0.06
0126 EX00120 Pulp Dup										
0127 EX00121										
0128 EX00122	62.84	4.4	26	3.22	7.0	1.82	11.0	1.0	4.55	0.03
0129 EX00123										
0130 EX00124	66.25	4.2	25	3.56	8.8	1.85	11.1	0.9	4.38	0.03
0131 EX00125										
0132 EX00126	65.55	4.5	26	4.57	7.1	1.87	12.1	0.9	4.71	0.03
0133 EX00127										
0134 EX00128	80.89	6.3	26	3.80	10.4	2.27	13.0	1.0	5.34	0.04
0135 EX00129										
0136 EX00130	75.95	4.9	32	4.12	6.3	2.17	13.1	1.1	5.13	0.04
0137 EX00131										
0138 EX00132	79.93	4.8	31	3.77	4.8	2.14	13.1	1.0	5.46	0.03
0139 EX00133										
0140 EX00134	84.15	4.8	29	4.54	4.1	2.16	13.4	1.0	5.30	0.05
0141 EX00135										
0142 EX00136	77.19	5.1	27	4.33	14.7	2.25	12.6	1.0	5.55	0.04
0143 EX00137										
0144 EX00138	12.16	0.3	8	0.93	1.5	0.46	6.1	0.8	1.88	0.02
0145 EX00139										
0146 EX00140	84.30	5.5	32	3.14	9.2	2.10	12.5	1.1	5.55	0.04
0147 EX00140 Pulp Dup										
0148 EX00141										
0149 EX00142	77.56	5.8	36	2.36	12.0	2.60	12.8	1.2	5.15	0.03
0150 EX00143	75.03	6.1	35	2.40	13.4	2.63	12.7	1.0	4.96	0.04
0151 EX00144										
0152 EX00145	74.64	5.5	31	2.20	4.0	2.38	12.1	1.1	4.96	0.04
0153 EX00146										
0154 EX00147	40.31	22.0	82	2.67	38.4	5.01	22.5	0.8	3.36	0.07
0155 EX00148										
0156 EX00149	68.78	11.8	48	9.71	133.9	13.29	17.9	1.1	4.20	0.05
0157 EX00150										
0158 EX00151	83.52	12.4	56	6.07	23.8	17.19	19.0	1.2	4.47	0.06
0159 EX00152										
0160 EX00153	77.15	8.6	56	5.76	2.2	3.65	14.2	1.1	5.10	0.05



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0121 EX00116	3.431	42.59	24.9	1.210	359	0.4	0.61	11.04	20.5	0.061
0122 EX00117										
0123 EX00118	3.557	43.94	19.0	0.979	354	0.4	0.64	11.47	19.6	0.062
0124 EX00119										
0125 EX00120	3.946	42.39	24.1	0.951	295	1.1	0.65	12.37	20.2	0.067
0126 EX00120 Pulp Dup										
0127 EX00121										
0128 EX00122	2.798	31.18	11.7	0.553	403	0.5	0.30	6.91	9.0	0.047
0129 EX00123										
0130 EX00124	2.662	33.72	10.2	0.484	413	0.4	0.59	6.65	8.5	0.044
0131 EX00125										
0132 EX00126	3.085	32.14	8.9	0.504	247	0.6	0.62	7.43	9.7	0.045
0133 EX00127										
0134 EX00128	3.189	40.41	12.0	0.598	220	0.5	0.52	8.88	11.6	0.049
0135 EX00129										
0136 EX00130	3.091	37.61	9.8	0.600	264	0.6	0.65	8.42	10.6	0.050
0137 EX00131										
0138 EX00132	3.054	40.42	10.4	0.592	263	0.6	0.67	8.55	10.1	0.048
0139 EX00133										
0140 EX00134	2.995	42.14	9.8	0.574	303	0.7	0.66	8.52	10.8	0.049
0141 EX00135										
0142 EX00136	2.439	38.77	7.9	0.589	314	0.3	0.81	8.50	10.5	0.048
0143 EX00137										
0144 EX00138	3.745	6.52	2.5	0.063	42	0.2	0.08	1.51	1.3	<0.005
0145 EX00139										
0146 EX00140	2.697	42.99	13.7	0.777	153	0.8	0.43	8.34	10.5	0.043
0147 EX00140 Pulp Dup										
0148 EX00141										
0149 EX00142	2.380	39.14	18.8	0.994	162	0.7	0.36	8.15	10.9	0.045
0150 EX00143	2.396	37.80	19.2	1.001	156	0.8	0.36	8.26	11.5	0.048
0151 EX00144										
0152 EX00145	2.318	37.71	16.9	0.897	180	0.5	0.36	7.80	10.4	0.046
0153 EX00146										
0154 EX00147	1.944	22.04	18.2	1.920	827	5.6	2.61	8.49	25.9	0.049
0155 EX00148										
0156 EX00149	1.653	34.92	40.1	3.060	1058	0.3	0.06	10.40	19.8	0.149
0157 EX00150										
0158 EX00151	0.467	41.41	15.4	2.425	1290	0.4	0.02	10.03	22.8	0.256
0159 EX00152										
0160 EX00153	2.422	38.87	13.8	0.937	277	0.4	0.79	9.44	17.9	0.045



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0121 EX00116	25.1	173.97	<0.002	<0.05	0.52	11.2	<0.5	5.2	32.01	1.15
0122 EX00117										
0123 EX00118	21.1	189.74	<0.002	<0.05	0.59	11.0	<0.5	5.0	33.21	1.17
0124 EX00119										
0125 EX00120	22.4	172.48	<0.002	<0.05	0.57	12.2	<0.5	6.1	36.63	1.27
0126 EX00120 Pulp Dup										
0127 EX00121										
0128 EX00122	16.5	136.27	<0.002	<0.05	0.43	5.2	<0.5	3.5	48.28	0.75
0129 EX00123										
0130 EX00124	22.7	125.43	<0.002	<0.05	0.56	5.4	<0.5	3.2	54.46	0.71
0131 EX00125										
0132 EX00126	17.0	142.35	<0.002	<0.05	0.43	5.9	<0.5	4.0	46.90	0.80
0133 EX00127										
0134 EX00128	16.1	138.86	<0.002	<0.05	0.57	6.6	<0.5	4.3	36.13	2.09
0135 EX00129										
0136 EX00130	14.3	146.39	<0.002	<0.05	0.39	6.5	<0.5	4.1	47.97	0.92
0137 EX00131										
0138 EX00132	13.0	139.61	<0.002	<0.05	0.41	6.9	<0.5	4.3	46.86	0.92
0139 EX00133										
0140 EX00134	15.8	147.07	<0.002	<0.05	0.59	6.6	<0.5	4.7	47.52	0.90
0141 EX00135										
0142 EX00136	12.7	121.75	<0.002	<0.05	0.52	6.7	<0.5	3.7	57.97	0.90
0143 EX00137										
0144 EX00138	10.8	143.22	<0.002	<0.05	0.15	1.2	<0.5	0.3	17.97	0.13
0145 EX00139										
0146 EX00140	9.3	121.84	<0.002	<0.05	0.61	6.3	<0.5	4.7	19.22	0.91
0147 EX00140 Pulp Dup										
0148 EX00141										
0149 EX00142	7.4	97.06	<0.002	<0.05	0.68	6.5	<0.5	4.6	14.83	0.87
0150 EX00143	8.2	98.23	<0.002	<0.05	0.73	6.7	<0.5	4.8	14.76	0.88
0151 EX00144										
0152 EX00145	6.5	94.23	<0.002	<0.05	0.44	6.1	<0.5	4.6	14.49	0.83
0153 EX00146										
0154 EX00147	25.6	106.47	<0.002	0.06	<0.05	20.3	<0.5	2.8	174.44	1.01
0155 EX00148										
0156 EX00149	5.1	112.62	0.004	<0.05	0.38	9.8	<0.5	3.7	10.42	1.02
0157 EX00150										
0158 EX00151	4.3	41.86	<0.002	0.07	0.60	11.2	<0.5	2.9	9.86	0.99
0159 EX00152										
0160 EX00153	10.2	113.02	<0.002	<0.05	0.35	9.2	<0.5	5.2	38.87	0.95



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0121 EX00116	<0.2	17.99	0.309	0.83	3.46	58	2.5	2902.00	2924.00	26.03
0122 EX00117								3100.00	3118.00	
0123 EX00118	<0.2	18.45	0.314	0.93	3.76	58	2.7	3327.00	3345.00	23.63
0124 EX00119								2099.00	2114.00	
0125 EX00120	<0.2	18.80	0.332	0.70	4.27	62	4.5	1907.00	1915.00	22.53
0126 EX00120 Pulp Dup										
0127 EX00121								3662.00	3680.00	
0128 EX00122	<0.2	15.23	0.179	0.74	3.19	27	1.2	2971.00	2994.00	19.84
0129 EX00123								3977.00	4000.00	
0130 EX00124	<0.2	14.24	0.167	0.68	2.95	27	1.4	3522.00	3543.00	18.00
0131 EX00125								60.00	60.00	
0132 EX00126	<0.2	15.01	0.188	0.75	2.74	31	1.4	3269.00	3283.00	16.90
0133 EX00127								3523.00	3535.00	
0134 EX00128	<0.2	18.12	0.211	0.71	3.26	35	2.0	4160.00	4175.00	19.08
0135 EX00129								2284.00	2295.00	
0136 EX00130	<0.2	17.51	0.213	0.79	3.33	35	1.7	3856.00	3870.00	19.46
0137 EX00131								3104.00	3118.00	
0138 EX00132	<0.2	18.50	0.217	0.78	3.52	36	1.8	3438.00	3451.00	19.21
0139 EX00133								2594.00	2605.00	
0140 EX00134	<0.2	18.75	0.219	0.81	3.45	36	2.0	3425.00	3439.00	19.98
0141 EX00135								4228.00	4249.00	
0142 EX00136	<0.2	17.43	0.216	0.70	3.41	35	1.7	2745.00	2762.00	19.45
0143 EX00137								3696.00	2712.00	
0144 EX00138	<0.2	2.58	0.041	0.64	0.52	7	0.1	947.00	954.00	3.07
0145 EX00139								3157.00	3171.00	
0146 EX00140	<0.2	18.16	0.213	0.53	3.04	32	2.3	3228.00	3241.00	18.82
0147 EX00140 Pulp Dup										
0148 EX00141								3611.00	3623.00	
0149 EX00142	<0.2	15.94	0.210	0.37	2.68	34	2.9	1766.00	1775.00	16.04
0150 EX00143	<0.2	15.32	0.207	0.37	2.74	34	2.9	1796.00	1798.00	16.98
0151 EX00144								4144.00	4163.00	
0152 EX00145	<0.2	16.19	0.204	0.38	2.70	34	2.3	4193.00	4212.00	16.21
0153 EX00146								3590.00	3596.00	
0154 EX00147	<0.2	14.24	0.618	0.66	6.76	145	0.4	60.00	60.00	26.17
0155 EX00148								3200.00	3213.00	
0156 EX00149	<0.2	14.79	0.265	0.64	10.91	52	0.7	3186.00	3198.00	25.02
0157 EX00150								4929.00	4962.00	
0158 EX00151	<0.2	14.78	0.272	0.21	2.82	55	1.8	3851.00	3877.00	32.49
0159 EX00152								2770.00	2784.00	
0160 EX00153	<0.2	17.14	0.258	0.54	7.01	50	2.5	3738.00	3751.00	18.16



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				
0121 EX00116	75	194.0		
0122 EX00117			96.22	100.00
0123 EX00118	43	190.8		
0124 EX00119				
0125 EX00120	38	192.9		
0126 EX00120 Pulp Dup			100.00	100.00
0127 EX00121				
0128 EX00122	36	156.3		
0129 EX00123				
0130 EX00124	36	150.3		
0131 EX00125				
0132 EX00126	36	159.5		
0133 EX00127				
0134 EX00128	29	187.6		
0135 EX00129				
0136 EX00130	33	176.8		
0137 EX00131				
0138 EX00132	28	183.5		
0139 EX00133				
0140 EX00134	40	184.0		
0141 EX00135				
0142 EX00136	34	190.7		
0143 EX00137			96.55	100.00
0144 EX00138	2	62.9		
0145 EX00139				
0146 EX00140	18	189.8		
0147 EX00140 Pulp Dup				
0148 EX00141				
0149 EX00142	18	180.1		
0150 EX00143	18	174.5		
0151 EX00144				
0152 EX00145	13	170.1		
0153 EX00146				
0154 EX00147	78	106.6		
0155 EX00148				
0156 EX00149	58	141.8		
0157 EX00150				
0158 EX00151	70	158.0		
0159 EX00152				
0160 EX00153	21	176.1		



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0161 EX00154	39.20	<0.005								
0162 EX00155	38.10	<0.005	0.07	6.969	8.2	732.7	1.99	0.37	0.20	<0.02
0163 EX00156	40.10	<0.005								
0164 EX00157	36.50	<0.005	0.05	6.836	8.8	597.6	2.12	0.24	0.13	0.02
0165 EX00158	39.20	0.006								
0166 EX00159	40.60	0.010	0.13	10.926	41.2	826.5	4.57	1.24	0.34	<0.02
0167 EX00160	40.80	0.010								
0168 EX00160 Pulp Dup	40.40	0.010								
0169 EX00161	38.90	<0.005	<0.05	10.223	44.7	950.1	3.52	0.29	0.13	<0.02
0170 EX00162	37.10	<0.005								
0171 EX00163	36.20	<0.005	<0.05	7.161	26.2	530.5	2.65	0.24	0.26	<0.02
0172 EX00164	35.50	<0.005								
0173 EX00165	37.00	<0.005	<0.05	6.049	8.8	595.5	1.66	0.39	0.31	<0.02
0174 EX00166	38.60	0.006								
0175 EX00167	39.40	<0.005	0.08	11.005	23.6	768.9	4.18	0.49	0.13	<0.02
0176 EX00168	39.20	0.010								
0177 EX00169	36.90	<0.005	<0.05	7.910	22.3	567.7	3.10	0.65	0.22	<0.02
0178 EX00170	38.00	2.553								
0179 EX00171	36.30	<0.005	<0.05	6.089	51.5	496.2	2.56	0.48	0.25	<0.02
0180 EX00172	37.10	<0.005								
0181 EX00173	41.00	0.023	0.15	8.078	470.9	514.6	2.80	1.81	0.18	0.43
0182 EX00174	42.00	0.006								
0183 EX00175	41.70	0.009	0.08	9.640	44.9	571.7	3.62	0.60	0.14	0.27
0184 EX00176	38.80	<0.005								
0185 EX00177	38.10	<0.005	<0.05	9.695	12.4	547.1	3.50	0.48	0.13	0.05
0186 EX00178	37.10	0.006	<0.05	5.891	10.3	388.4	2.06	0.40	0.22	0.14
0187 EX00179	37.10	<0.005								
0188 EX00180	41.20	<0.005	<0.05	5.297	27.6	199.0	1.87	0.78	0.41	0.87
0189 EX00180 Pulp Dup	40.80	<0.005								
0190 EX00181	40.30	<0.005								
0191 EX00182	37.60	<0.005	<0.05	3.739	1.3	493.3	0.40	0.07	0.05	<0.02
0192 EX00183	37.80	<0.005								
0193 EX00184	36.30	<0.005	<0.05	6.113	36.1	297.0	2.48	0.16	0.25	0.02
0194 EX00185	36.50	<0.005								
0195 EX00186	42.70	0.006	0.14	4.019	135.2	139.4	1.92	2.20	0.20	<0.02
0196 EX00187	38.80	<0.005								
0197 EX00188	41.90	<0.005	0.33	3.040	15.0	183.3	1.12	0.40	0.08	0.06
0198 EX00189	39.30	0.006								
0199 EX00190	43.20	0.006	0.20	6.785	114.7	713.6	3.54	0.84	0.29	0.06
0200 EX00191	43.10	<0.005								



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0161 EX00154										
0162 EX00155	77.09	10.2	48	5.72	13.2	3.75	17.6	1.1	4.79	0.06
0163 EX00156										
0164 EX00157	69.74	8.7	38	2.64	7.2	3.03	16.8	1.1	4.68	0.05
0165 EX00158										
0166 EX00159	123.09	10.8	73	3.53	43.4	6.42	30.7	1.5	3.04	0.10
0167 EX00160										
0168 EX00160 Pulp Dup										
0169 EX00161	99.40	11.9	69	2.77	20.4	3.99	28.2	1.3	4.06	0.08
0170 EX00162										
0171 EX00163	56.67	17.2	118	8.40	7.2	5.28	15.9	1.1	3.82	0.06
0172 EX00164										
0173 EX00165	76.97	7.7	37	3.67	20.9	2.65	14.5	1.0	4.80	0.04
0174 EX00166										
0175 EX00167	93.46	18.2	72	11.25	16.6	6.38	29.2	1.3	3.04	0.09
0176 EX00168										
0177 EX00169	87.85	9.1	45	7.90	20.0	3.38	18.8	1.0	4.30	0.07
0178 EX00170										
0179 EX00171	85.04	6.8	33	7.56	10.1	2.63	13.9	0.9	5.04	0.05
0180 EX00172										
0181 EX00173	88.45	17.3	57	3.58	33.8	5.45	21.7	1.2	3.78	0.09
0182 EX00174										
0183 EX00175	82.54	16.3	78	8.81	33.0	7.36	24.2	1.6	3.12	0.09
0184 EX00176										
0185 EX00177	91.54	16.0	76	7.01	35.3	6.50	25.8	1.8	3.85	0.08
0186 EX00178	66.60	8.2	42	5.94	10.7	3.18	14.4	1.1	4.49	0.04
0187 EX00179										
0188 EX00180	69.62	11.1	36	8.42	26.2	8.87	14.3	1.8	3.51	0.04
0189 EX00180 Pulp Dup										
0190 EX00181										
0191 EX00182	13.86	0.4	9	1.02	2.3	0.50	6.6	0.7	1.61	0.03
0192 EX00183										
0193 EX00184	81.15	6.7	40	3.94	27.8	3.65	16.1	1.6	4.02	0.06
0194 EX00185										
0195 EX00186	59.95	9.6	26	1.70	1619.3	4.19	9.8	1.3	3.16	0.11
0196 EX00187										
0197 EX00188	27.96	17.5	25	1.46	74.2	1.70	8.2	1.3	1.46	0.05
0198 EX00189										
0199 EX00190	110.59	17.6	37	2.57	80.3	6.40	18.0	1.5	5.20	0.05
0200 EX00191										



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0161 EX00154										
0162 EX00155	3.208	38.71	14.9	0.970	254	0.3	0.51	10.58	21.5	0.073
0163 EX00156										
0164 EX00157	3.137	34.84	23.7	1.251	165	0.2	0.43	10.19	18.8	0.051
0165 EX00158										
0166 EX00159	4.103	62.13	68.2	3.494	442	0.3	0.10	13.81	27.6	0.141
0167 EX00160										
0168 EX00160 Pulp Dup										
0169 EX00161	4.437	50.64	43.0	2.196	250	0.2	0.16	13.64	29.4	0.053
0170 EX00162										
0171 EX00163	3.301	28.84	48.9	3.284	548	0.3	0.44	6.42	22.0	0.089
0172 EX00164										
0173 EX00165	2.457	38.51	16.7	0.802	267	0.3	0.68	9.14	14.5	0.047
0174 EX00166										
0175 EX00167	3.776	47.50	30.4	1.628	467	0.1	0.12	12.82	35.9	0.054
0176 EX00168										
0177 EX00169	3.867	44.32	25.0	1.164	407	0.3	0.48	10.77	21.6	0.051
0178 EX00170										
0179 EX00171	3.041	42.77	20.3	0.965	372	0.6	0.51	8.98	17.1	0.052
0180 EX00172										
0181 EX00173	3.574	45.43	28.8	1.289	357	0.9	0.22	10.16	23.7	0.067
0182 EX00174										
0183 EX00175	4.165	42.70	41.8	2.109	510	0.5	0.24	11.55	33.6	0.051
0184 EX00176										
0185 EX00177	4.115	47.08	39.1	1.857	460	0.4	0.11	11.48	30.3	0.054
0186 EX00178	2.502	32.74	21.3	0.947	358	0.7	0.20	8.52	16.2	0.057
0187 EX00179										
0188 EX00180	1.754	33.61	29.5	2.066	523	0.5	0.05	7.70	16.5	0.165
0189 EX00180 Pulp Dup										
0190 EX00181										
0191 EX00182	3.730	7.16	3.0	0.079	41	0.8	0.08	1.26	2.7	<0.005
0192 EX00183										
0193 EX00184	2.750	40.20	40.3	1.930	274	0.7	0.05	9.52	15.2	0.115
0194 EX00185										
0195 EX00186	1.126	30.68	58.0	2.845	229	2.2	0.03	6.43	27.6	0.090
0196 EX00187										
0197 EX00188	1.481	14.17	22.2	0.655	73	4.4	0.04	4.33	24.7	0.034
0198 EX00189										
0199 EX00190	3.009	53.41	50.2	2.247	225	2.5	0.07	11.48	38.9	0.124
0200 EX00191										



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0161 EX00154										
0162 EX00155	6.0	142.43	<0.002	<0.05	0.39	11.6	<0.5	4.8	21.55	1.05
0163 EX00156										
0164 EX00157	4.8	123.02	<0.002	<0.05	0.46	11.3	<0.5	4.6	20.73	0.98
0165 EX00158										
0166 EX00159	10.0	157.19	<0.002	<0.05	0.92	17.7	<0.5	7.5	17.22	1.22
0167 EX00160										
0168 EX00160 Pulp Dup										
0169 EX00161	7.0	161.85	<0.002	<0.05	0.82	17.9	<0.5	7.5	18.53	1.38
0170 EX00162										
0171 EX00163	5.0	187.56	<0.002	<0.05	0.56	21.2	<0.5	2.8	38.14	0.58
0172 EX00164										
0173 EX00165	7.5	125.67	<0.002	<0.05	0.38	10.1	<0.5	4.1	49.92	0.93
0174 EX00166										
0175 EX00167	9.1	176.96	<0.002	<0.05	0.62	18.9	<0.5	6.6	21.42	1.22
0176 EX00168										
0177 EX00169	10.7	207.09	<0.002	<0.05	0.61	12.1	<0.5	4.9	43.72	1.07
0178 EX00170										
0179 EX00171	9.2	180.14	<0.002	<0.05	0.67	9.4	<0.5	4.0	46.38	0.93
0180 EX00172										
0181 EX00173	91.2	156.59	<0.002	1.67	3.31	14.6	<0.5	5.3	24.27	1.04
0182 EX00174										
0183 EX00175	31.0	220.46	0.043	0.51	2.58	17.9	<0.5	6.6	26.48	1.11
0184 EX00176										
0185 EX00177	10.4	203.22	0.005	<0.05	0.84	17.0	<0.5	6.0	18.94	1.13
0186 EX00178	12.7	149.29	0.005	<0.05	0.80	8.7	<0.5	3.9	28.74	0.89
0187 EX00179										
0188 EX00180	17.3	124.50	0.080	1.17	1.76	8.1	3.4	3.0	20.06	0.79
0189 EX00180 Pulp Dup										
0190 EX00181										
0191 EX00182	10.5	146.39	<0.002	<0.05	0.15	1.5	<0.5	0.7	19.01	0.12
0192 EX00183										
0193 EX00184	3.4	144.86	<0.002	<0.05	1.20	10.1	<0.5	4.4	14.46	1.02
0194 EX00185										
0195 EX00186	5.4	61.51	<0.002	1.45	2.42	6.6	0.9	1.7	9.96	0.52
0196 EX00187										
0197 EX00188	12.0	69.21	0.011	1.08	5.29	5.3	1.4	1.8	10.59	0.40
0198 EX00189										
0199 EX00190	21.2	130.15	0.005	3.89	5.23	8.3	2.5	4.5	25.61	1.10
0200 EX00191										



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0161 EX00154								3861.00	3870.00	
0162 EX00155	<0.2	15.87	0.288	0.65	3.54	61	2.9	3636.00	3659.00	19.87
0163 EX00156								4861.00	4881.00	
0164 EX00157	<0.2	16.07	0.285	0.47	3.74	58	2.7	3151.00	3158.00	16.51
0165 EX00158								3718.00	3728.00	
0166 EX00159	0.3	17.92	0.320	0.50	4.29	90	4.2	1808.00	1814.00	31.47
0167 EX00160								1820.00	1826.00	
0168 EX00160 Pulp Dup										
0169 EX00161	<0.2	19.80	0.368	0.50	3.62	90	4.7	4482.00	4501.00	22.49
0170 EX00162								3787.00	3804.00	
0171 EX00163	<0.2	10.55	0.408	0.94	2.23	141	1.2	3942.00	3964.00	17.99
0172 EX00164								4435.00	4460.00	
0173 EX00165	<0.2	17.35	0.257	0.61	3.13	51	1.9	4225.00	4249.00	20.80
0174 EX00166								3781.00	3813.00	
0175 EX00167	<0.2	18.21	0.341	1.23	3.91	94	4.1	3824.00	3868.00	25.49
0176 EX00168								4047.00	4074.00	
0177 EX00169	<0.2	17.50	0.285	1.01	3.66	63	2.0	4803.00	4858.00	26.20
0178 EX00170								60.00	60.00	
0179 EX00171	<0.2	17.58	0.252	0.93	2.95	49	1.2	3726.00	3754.00	23.44
0180 EX00172								4321.00	4360.00	
0181 EX00173	1.5	17.10	0.285	0.67	2.98	71	3.1	3631.00	3645.00	24.57
0182 EX00174								3768.00	3793.00	
0183 EX00175	<0.2	16.88	0.326	1.08	24.97	88	2.7	4063.00	4084.00	20.35
0184 EX00176								4300.00	4315.00	
0185 EX00177	<0.2	17.99	0.321	0.92	5.19	89	3.2	3208.00	3227.00	25.11
0186 EX00178	<0.2	15.67	0.240	0.78	5.99	49	1.6	3545.00	3584.00	19.14
0187 EX00179								4765.00	4801.00	
0188 EX00180	<0.2	12.94	0.201	0.76	46.81	48	1.4	3003.00	3024.00	23.16
0189 EX00180 Pulp Dup										
0190 EX00181								4438.00	4449.00	
0191 EX00182	<0.2	2.78	0.033	0.64	0.58	8	0.2	1768.00	1774.00	2.90
0192 EX00183								3693.00	3702.00	
0193 EX00184	<0.2	15.51	0.213	0.66	5.02	49	1.7	1828.00	1835.00	23.89
0194 EX00185								1885.00	1892.00	
0195 EX00186	<0.2	10.04	0.141	0.45	2.59	46	1.1	3231.00	3244.00	19.88
0196 EX00187								3764.00	3771.00	
0197 EX00188	0.4	7.70	0.113	0.71	4.49	66	1.1	2810.00	2820.00	11.38
0198 EX00189								3219.00	3233.00	
0199 EX00190	0.5	25.77	0.168	0.99	7.49	78	3.1	4062.00	4081.00	34.40
0200 EX00191								3956.00	3985.00	



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				

0161 EX00154				
0162 EX00155	27	158.8		
0163 EX00156				
0164 EX00157	17	161.3	94.64	100.00
0165 EX00158				
0166 EX00159	38	105.2		
0167 EX00160				
0168 EX00160 Pulp Dup				
0169 EX00161	24	137.0		
0170 EX00162				
0171 EX00163	51	132.5		
0172 EX00164				
0173 EX00165	26	162.1		
0174 EX00166				
0175 EX00167	62	108.0		
0176 EX00168				
0177 EX00169	53	140.7		
0178 EX00170				
0179 EX00171	42	167.5		
0180 EX00172				
0181 EX00173	224	125.2		
0182 EX00174				
0183 EX00175	106	103.9		
0184 EX00176				
0185 EX00177	56	124.2	97.95	100.00
0186 EX00178	41	153.3		
0187 EX00179				
0188 EX00180	89	119.3		
0189 EX00180 Pulp Dup				
0190 EX00181				
0191 EX00182	5	55.5		
0192 EX00183				
0193 EX00184	22	129.9		
0194 EX00185				
0195 EX00186	24	105.9		
0196 EX00187				
0197 EX00188	14	49.2		
0198 EX00189				
0199 EX00190	46	154.4		
0200 EX00191				



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0201 EX00192	40.90	<0.005	0.08	8.797	62.7	1208.7	2.76	0.11	0.32	2.57
0202 EX00193	41.90	<0.005								
0203 EX00194	36.20	0.413	1.37	7.930	0.3	450.6	2.06	0.11	4.21	0.07
0204 EX00195	41.90	<0.005								
0205 EX00196	41.00	<0.005	0.07	8.665	225.4	850.5	2.60	0.39	0.34	<0.02
0206 EX00197	42.80	<0.005								
0207 EX00198	38.90	<0.005	<0.05	8.607	147.9	915.8	4.26	0.27	0.30	<0.02
0208 EX00199	38.70	0.010								
0209 EX00200	38.90	0.012	0.08	4.477	43.2	227.3	2.00	1.89	0.33	<0.02
0210 EX00200 Pulp Dup	36.10	0.013								
0211 EX00201	39.70	0.015								
0212 EX00202	41.50	0.006	0.08	7.415	69.4	226.7	0.89	0.27	3.02	0.09
0213 EX00203	41.50	0.016								
0214 EX00204	41.50	0.016	<0.05	7.208	45.3	153.5	0.67	0.13	4.35	0.11
0215 EX00205	42.40	<0.005								
0216 EX00206	41.60	<0.005	<0.05	7.046	45.3	223.9	0.62	0.09	4.51	0.17
0217 EX00207	42.20	0.029								
0218 EX00208	43.10	0.015	0.21	6.899	64.4	334.9	1.98	0.46	0.35	0.42
0219 EX00209	43.30	0.007								
0220 EX00210	43.60	<0.005	0.19	5.764	30.0	352.6	2.86	1.61	0.51	0.07
0221 EX00211	42.40	<0.005								
0222 EX00212	42.70	<0.005	0.09	5.863	54.4	696.8	2.10	0.81	0.33	0.24
0223 EX00213	42.90	<0.005	<0.05	8.447	10.5	1489.2	2.12	0.20	1.35	0.69
0224 EX00214	40.10	<0.005								
0225 EX00215	39.90	<0.005	<0.05	8.580	15.4	1132.8	2.42	0.05	0.89	0.34
0226 EX00216	37.90	2.501								
0227 EX00217	42.40	0.007	0.12	7.226	114.3	392.9	3.07	1.97	0.27	<0.02
0228 EX00218	39.90	0.009								
0229 EX00219	38.50	0.005	0.12	4.723	29.4	191.3	1.64	1.32	0.73	0.03
0230 EX00220	42.50	0.010								
0231 EX00220 Pulp Dup	41.70	0.010								
0232 EX00221	41.40	<0.005	0.20	6.252	143.3	791.4	1.52	0.83	0.51	0.02
0233 EX00222	41.80	<0.005								
0234 EX00223	42.30	<0.005	0.22	6.712	163.2	1117.7	1.37	1.14	0.39	0.08
0235 EX00224	40.50	0.005								
0236 EX00225	42.00	0.012	0.33	7.553	50.2	665.6	2.74	2.18	0.33	0.03
0237 EX00226	36.20	<0.005								
0238 EX00227	42.10	0.015	0.31	7.520	18.2	729.7	2.30	2.10	0.45	0.03
0239 EX00228	42.40	0.014								
0240 EX00229	42.10	0.013	0.27	6.803	11.2	700.2	2.03	2.28	0.15	0.04



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0201 EX00192	84.66	18.8	21	5.12	19.7	5.04	20.4	1.4	4.30	0.06
0202 EX00193										
0203 EX00194	41.43	22.4	83	2.71	38.6	5.04	22.1	0.9	3.66	0.05
0204 EX00195										
0205 EX00196	80.68	23.2	25	5.29	32.0	6.19	20.6	1.5	4.09	0.04
0206 EX00197										
0207 EX00198	79.31	18.9	26	4.96	16.2	4.75	19.7	1.3	3.99	0.04
0208 EX00199										
0209 EX00200	64.42	23.6	47	2.36	68.4	9.22	12.0	1.0	2.38	0.03
0210 EX00200 Pulp Dup										
0211 EX00201										
0212 EX00202	26.83	47.5	486	8.22	69.3	7.55	15.0	1.0	2.13	0.06
0213 EX00203										
0214 EX00204	26.57	47.0	489	5.81	57.9	7.58	14.2	1.1	2.08	0.07
0215 EX00205										
0216 EX00206	25.50	47.9	460	9.62	59.2	7.58	13.8	1.1	1.99	0.05
0217 EX00207										
0218 EX00208	50.72	36.4	322	6.56	79.7	8.10	16.0	0.8	2.61	0.09
0219 EX00209										
0220 EX00210	78.15	28.1	66	3.62	85.8	9.86	14.9	0.9	2.79	0.10
0221 EX00211										
0222 EX00212	59.22	21.0	29	3.22	77.0	6.83	14.9	1.2	2.76	0.06
0223 EX00213	74.30	23.8	25	7.92	28.1	6.33	18.1	1.4	3.92	0.07
0224 EX00214										
0225 EX00215	82.25	20.0	21	8.72	19.0	6.05	19.4	1.1	4.22	0.05
0226 EX00216										
0227 EX00217	69.60	24.8	62	2.84	26.7	8.57	16.6	1.3	3.41	0.03
0228 EX00218										
0229 EX00219	71.60	23.4	36	2.37	88.2	10.88	12.3	0.9	2.39	0.04
0230 EX00220										
0231 EX00220 Pulp Dup										
0232 EX00221	68.01	17.1	42	3.77	65.8	7.02	15.4	1.5	3.67	0.05
0233 EX00222										
0234 EX00223	73.63	16.2	59	3.74	48.0	7.59	18.6	1.5	4.01	0.08
0235 EX00224										
0236 EX00225	66.30	18.3	62	5.88	72.5	9.58	18.2	1.3	4.43	0.10
0237 EX00226										
0238 EX00227	79.26	17.4	47	5.46	59.0	7.74	20.1	1.4	4.79	0.10
0239 EX00228										
0240 EX00229	71.34	15.0	54	5.87	58.0	6.33	18.6	1.4	3.57	0.08



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0201 EX00192	3.448	43.96	71.6	4.343	581	0.8	0.90	7.16	13.0	0.119
0202 EX00193										
0203 EX00194	1.949	22.59	18.2	1.948	839	5.8	2.66	8.67	26.3	0.052
0204 EX00195										
0205 EX00196	3.362	41.58	68.9	4.488	592	1.3	0.57	6.66	14.7	0.122
0206 EX00197										
0207 EX00198	2.933	41.76	111.9	6.674	507	1.5	0.49	6.59	11.2	0.116
0208 EX00199										
0209 EX00200	1.417	31.41	59.1	3.303	390	3.3	0.05	6.89	43.2	0.130
0210 EX00200 Pulp Dup										
0211 EX00201										
0212 EX00202	2.739	12.69	28.6	4.702	1325	0.6	0.62	6.38	202.7	0.061
0213 EX00203										
0214 EX00204	2.090	13.04	31.0	5.667	1870	0.4	0.79	6.18	205.2	0.058
0215 EX00205										
0216 EX00206	2.366	12.30	32.6	5.709	1513	0.4	0.64	5.92	202.0	0.060
0217 EX00207										
0218 EX00208	2.761	26.12	45.1	3.266	923	2.1	0.16	8.25	166.9	0.049
0219 EX00209										
0220 EX00210	2.255	38.47	46.8	2.538	401	7.1	0.05	8.40	70.9	0.203
0221 EX00211										
0222 EX00212	2.461	30.01	61.9	3.720	624	4.4	0.22	5.43	31.1	0.126
0223 EX00213	3.027	37.40	57.4	3.529	945	2.4	1.40	6.69	7.5	0.118
0224 EX00214										
0225 EX00215	3.275	42.48	57.5	3.234	935	2.6	1.49	7.17	7.5	0.119
0226 EX00216										
0227 EX00217	1.851	36.69	98.6	5.916	873	2.6	0.48	7.25	44.0	0.093
0228 EX00218										
0229 EX00219	1.174	33.99	60.3	3.479	655	2.9	0.17	6.19	41.9	0.270
0230 EX00220										
0231 EX00220 Pulp Dup										
0232 EX00221	2.753	32.84	38.8	2.305	942	3.4	0.32	9.56	29.3	0.204
0233 EX00222										
0234 EX00223	3.025	35.48	34.4	1.859	798	4.8	0.26	11.84	33.2	0.152
0235 EX00224										
0236 EX00225	3.343	31.58	42.8	2.011	985	5.2	0.18	12.81	43.3	0.109
0237 EX00226										
0238 EX00227	3.569	38.73	38.9	1.891	726	2.5	0.08	12.35	38.0	0.177
0239 EX00228										
0240 EX00229	3.385	36.12	36.7	1.542	798	3.6	0.08	11.88	30.2	0.056



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0201 EX00192	92.6	169.51	0.006	1.31	3.57	20.9	<0.5	1.5	51.81	0.51
0202 EX00193										
0203 EX00194	24.4	107.59	<0.002	<0.05	<0.05	20.0	<0.5	2.8	175.10	1.01
0204 EX00195										
0205 EX00196	10.3	192.67	<0.002	3.89	3.73	24.2	1.3	2.6	33.03	0.44
0206 EX00197										
0207 EX00198	6.9	132.26	<0.002	0.81	2.18	24.1	<0.5	2.3	25.24	0.45
0208 EX00199										
0209 EX00200	13.0	69.29	0.005	7.05	4.59	7.9	2.7	2.3	9.04	0.60
0210 EX00200 Pulp Dup										
0211 EX00201										
0212 EX00202	34.6	177.83	0.002	2.85	6.18	35.6	<0.5	2.0	87.68	0.42
0213 EX00203										
0214 EX00204	9.0	151.45	<0.002	2.14	5.12	34.8	<0.5	0.9	94.20	0.41
0215 EX00205										
0216 EX00206	7.7	161.81	<0.002	1.46	3.26	33.6	<0.5	0.8	87.13	0.40
0217 EX00207										
0218 EX00208	28.2	170.31	0.010	2.90	4.60	25.4	0.9	2.0	28.87	0.64
0219 EX00209										
0220 EX00210	20.3	142.92	0.019	6.89	6.18	11.5	2.7	2.5	24.80	0.81
0221 EX00211										
0222 EX00212	16.1	116.29	0.013	3.45	4.04	15.0	1.1	1.6	27.63	0.40
0223 EX00213	36.6	148.33	0.002	1.66	2.32	25.4	0.6	1.6	299.98	0.46
0224 EX00214										
0225 EX00215	11.6	176.77	0.003	0.61	2.78	21.9	<0.5	1.1	216.54	0.50
0226 EX00216										
0227 EX00217	19.5	84.15	0.004	2.16	8.99	19.0	0.6	1.4	34.79	0.55
0228 EX00218										
0229 EX00219	15.7	68.79	0.005	6.97	5.78	9.9	4.7	1.5	15.35	0.50
0230 EX00220										
0231 EX00220 Pulp Dup										
0232 EX00221	35.0	129.15	0.015	3.64	5.30	12.3	2.1	2.8	33.93	0.81
0233 EX00222										
0234 EX00223	30.0	127.72	0.009	4.48	3.96	12.8	2.4	3.8	28.55	1.04
0235 EX00224										
0236 EX00225	58.4	154.90	0.013	6.76	4.71	13.3	3.8	4.2	29.98	1.16
0237 EX00226										
0238 EX00227	41.1	152.54	0.007	5.18	5.67	11.2	1.9	5.4	25.67	1.18
0239 EX00228										
0240 EX00229	30.6	126.66	0.009	4.50	3.52	10.4	1.8	5.4	22.01	0.93



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0201 EX00192	<0.2	17.85	0.505	1.59	5.96	169	1.3	3792.00	3825.00	21.07
0202 EX00193								4461.00	4504.00	
0203 EX00194	<0.2	15.39	0.618	0.69	6.45	140	0.4	60.00	60.00	26.07
0204 EX00195								3466.00	3502.00	
0205 EX00196	0.4	16.43	0.554	1.39	3.33	202	1.0	2992.00	3022.00	20.30
0206 EX00197								2966.00	2996.00	
0207 EX00198	0.2	16.50	0.549	1.07	5.18	191	1.3	3357.00	3379.00	20.97
0208 EX00199								3658.00	3675.00	
0209 EX00200	0.7	12.33	0.175	0.46	3.89	71	1.0	3852.00	3873.00	20.26
0210 EX00200 Pulp Dup										
0211 EX00201								4004.00	4028.00	
0212 EX00202	0.5	3.18	0.552	1.96	1.30	217	0.5	3400.00	3447.00	18.24
0213 EX00203								2532.00	3557.00	
0214 EX00204	0.4	3.07	0.522	1.91	1.00	210	0.5	1930.00	1949.00	17.82
0215 EX00205								1902.00	1920.00	
0216 EX00206	<0.2	2.92	0.502	2.09	0.85	206	0.4	4169.00	4193.00	17.35
0217 EX00207								3572.00	3604.00	
0218 EX00208	1.0	8.89	0.423	1.71	3.19	175	0.9	3495.00	3537.00	19.11
0219 EX00209								4016.00	4045.00	
0220 EX00210	0.3	15.19	0.220	0.99	6.47	140	1.8	3133.00	3157.00	24.73
0221 EX00211								3681.00	3711.00	
0222 EX00212	<0.2	12.14	0.354	1.04	7.90	135	1.1	4029.00	4055.00	16.49
0223 EX00213	<0.2	16.01	0.605	1.56	3.14	193	1.3	4220.00	4242.00	16.46
0224 EX00214								3453.00	3476.00	
0225 EX00215	<0.2	17.70	0.553	1.64	7.62	178	0.9	3957.00	3977.00	18.83
0226 EX00216								60.00	60.00	
0227 EX00217	0.3	14.83	0.429	0.72	4.63	150	1.3	3304.00	3327.00	20.53
0228 EX00218								3714.00	3736.00	
0229 EX00219	0.3	11.05	0.215	0.55	6.99	92	1.0	3514.00	3531.00	23.71
0230 EX00220								3410.00	3431.00	
0231 EX00220 Pulp Dup										
0232 EX00221	0.3	18.28	0.278	1.05	7.81	112	1.7	3472.00	3493.00	29.64
0233 EX00222								1784.00	1803.00	
0234 EX00223	0.4	20.09	0.274	0.99	7.26	119	2.1	1747.00	1764.00	32.17
0235 EX00224								3640.00	3669.00	
0236 EX00225	0.8	23.77	0.296	1.61	6.90	122	1.9	3519.00	3556.00	28.75
0237 EX00226								1202.00	1233.00	
0238 EX00227	0.7	24.88	0.239	1.62	7.63	98	2.5	4306.00	4343.00	35.23
0239 EX00228								3926.00	3956.00	
0240 EX00229	0.6	18.84	0.239	1.47	6.98	93	2.6	3074.00	3100.00	30.23



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				
0201 EX00192	802	154.0		
0202 EX00193				
0203 EX00194	78	115.6		
0204 EX00195				
0205 EX00196	21	145.7		
0206 EX00197			96.07	100.00
0207 EX00198	28	146.0		
0208 EX00199				
0209 EX00200	17	81.3		
0210 EX00200 Pulp Dup				
0211 EX00201				
0212 EX00202	90	80.7		
0213 EX00203				
0214 EX00204	106	76.8		
0215 EX00205				
0216 EX00206	117	75.7		
0217 EX00207				
0218 EX00208	225	92.8		
0219 EX00209				
0220 EX00210	35	92.0		
0221 EX00211				
0222 EX00212	75	97.3		
0223 EX00213	218	140.8		
0224 EX00214				
0225 EX00215	165	152.8		
0226 EX00216				
0227 EX00217	24	125.8	97.46	100.00
0228 EX00218				
0229 EX00219	26	81.0		
0230 EX00220				
0231 EX00220 Pulp Dup				
0232 EX00221	26	121.6		
0233 EX00222				
0234 EX00223	38	131.9		
0235 EX00224				
0236 EX00225	27	143.1		
0237 EX00226				
0238 EX00227	30	149.1		
0239 EX00228				
0240 EX00229	25	119.4		



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0241 EX00230	42.20	0.015								
0242 EX00231	46.10	0.012	0.28	5.973	8.6	614.3	1.64	2.52	0.25	0.02
0243 EX00232	41.60	0.012								
0244 EX00233	41.60	0.013	0.25	7.579	10.1	709.4	2.09	1.73	0.26	0.04
0245 EX00234	42.10	0.020								
0246 EX00235	36.60	0.009	0.25	3.156	50.9	210.5	1.40	0.82	0.31	0.35
0247 EX00236	38.80	0.008								
0248 EX00237	37.20	0.392	1.42	7.787	0.3	453.2	1.86	0.12	4.13	0.07
0249 EX00238	41.90	0.016								
0250 EX00239	41.20	0.012	0.24	7.670	611.6	657.7	2.00	1.57	0.23	<0.02
0251 EX00240	41.40	0.006								
0252 EX00240 Pulp Dup	41.30	0.006								
0253 EX00241	41.00	0.006	0.13	1.682	122.6	100.8	0.88	0.60	0.32	0.81
0254 EX00242	39.40	0.006								
0255 EX00243	32.20	0.026	0.34	2.750	230.7	148.3	1.48	0.61	0.37	0.58
0256 EX00244	32.40	0.026								
0257 EX00245	38.50	0.011	0.28	2.517	141.2	89.7	1.32	0.85	0.95	0.18
0258 EX00246	39.00	0.006								
0259 EX00247	39.20	0.015	0.34	2.139	175.4	50.0	1.56	0.67	0.52	0.20
0260 EX00248	41.00	0.011	0.30	2.671	290.1	120.3	1.35	0.69	0.51	0.64
0261 EX00249	40.00	0.018								
0262 EX00250	42.00	0.015	0.24	6.388	438.7	451.6	2.57	1.23	0.33	<0.02
0263 EX00251	40.10	0.026								
0264 EX00252	40.00	0.026	0.23	4.340	62.3	144.7	1.82	1.01	0.28	0.10
0265 EX00253	40.20	0.031								
0266 EX00254	40.10	0.037	0.34	6.296	87.1	695.3	1.87	1.13	0.13	0.37
0267 EX00255	41.50	0.042								
0268 EX00256	39.40	0.026	0.37	3.692	85.3	121.0	1.97	0.93	0.45	0.27
0269 EX00257	37.00	2.502								
0270 EX00258	37.00	0.028	0.31	4.593	89.9	290.6	1.73	1.06	0.37	0.20
0271 EX00259	39.00	0.027								
0272 EX00260	41.00	0.028	0.26	5.186	65.9	371.9	1.90	0.95	0.27	0.46
0273 EX00260 Pulp Dup	40.00	0.029								
0274 EX00261	41.00	0.035								
0275 EX00262	36.50	<0.005	<0.05	3.410	1.6	482.8	0.30	0.11	<0.05	<0.02
0276 EX00263	41.10	0.026								
0277 EX00264	43.20	0.019	0.14	3.998	58.9	269.5	1.73	0.65	0.22	0.13
0278 EX00265	39.20	0.021								
0279 EX00266	39.50	0.021	0.25	6.105	285.1	304.3	2.76	1.17	0.19	0.04
0280 EX00267	43.00	0.006								



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0241 EX00230										
0242 EX00231	52.15	16.4	53	3.27	54.0	5.17	16.3	1.4	3.05	0.06
0243 EX00232										
0244 EX00233	74.54	17.6	56	4.95	44.2	6.67	20.5	1.4	4.29	0.09
0245 EX00234										
0246 EX00235	52.95	27.0	56	3.16	77.9	9.54	8.4	0.8	1.88	0.05
0247 EX00236										
0248 EX00237	39.75	21.9	75	2.72	37.5	4.99	22.3	0.7	3.24	0.06
0249 EX00238										
0250 EX00239	63.06	21.0	54	4.81	64.2	7.52	20.9	1.5	4.51	0.09
0251 EX00240										
0252 EX00240 Pulp Dup										
0253 EX00241	32.08	14.4	38	1.64	79.2	6.39	5.2	1.1	0.98	0.04
0254 EX00242										
0255 EX00243	46.83	28.7	56	3.14	118.1	12.59	7.4	1.0	1.68	0.05
0256 EX00244										
0257 EX00245	92.73	22.0	24	2.24	68.2	18.02	7.6	0.4	1.09	0.05
0258 EX00246										
0259 EX00247	76.60	25.0	50	1.87	72.1	13.99	6.3	0.7	1.02	0.04
0260 EX00248	67.21	21.6	31	3.00	43.0	11.71	7.4	0.8	1.31	0.05
0261 EX00249										
0262 EX00250	70.78	26.9	60	5.30	84.7	9.42	15.9	1.2	3.41	0.07
0263 EX00251										
0264 EX00252	47.54	16.4	45	5.34	172.3	9.50	11.2	1.3	1.97	0.05
0265 EX00253										
0266 EX00254	83.12	18.0	53	4.56	88.6	7.14	17.2	1.4	2.98	0.13
0267 EX00255										
0268 EX00256	55.28	28.3	41	3.13	117.5	16.21	10.1	1.1	1.66	0.04
0269 EX00257										
0270 EX00258	66.61	24.5	40	4.79	71.7	12.13	12.7	1.2	2.29	0.08
0271 EX00259										
0272 EX00260	70.69	19.2	57	5.90	65.9	6.90	14.5	1.5	2.89	0.08
0273 EX00260 Pulp Dup										
0274 EX00261										
0275 EX00262	11.35	0.4	18	0.96	3.4	0.44	5.5	0.8	1.57	0.02
0276 EX00263										
0277 EX00264	51.89	12.1	47	4.45	39.1	7.53	11.0	1.7	2.29	0.05
0278 EX00265										
0279 EX00266	39.17	27.2	60	6.70	89.2	11.12	15.0	1.4	3.32	0.06
0280 EX00267										



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0241 EX00230										
0242 EX00231	2.920	26.41	31.7	1.168	552	2.9	0.06	10.35	40.1	0.083
0243 EX00232										
0244 EX00233	3.729	38.42	38.9	1.554	826	2.8	0.08	11.96	36.0	0.080
0245 EX00234										
0246 EX00235	1.356	26.71	23.1	1.189	1017	4.2	0.05	4.93	45.0	0.105
0247 EX00236										
0248 EX00237	1.903	21.54	17.6	1.900	834	5.8	2.60	8.83	28.1	0.051
0249 EX00238										
0250 EX00239	3.342	30.57	46.1	2.050	672	4.4	0.18	13.08	44.5	0.094
0251 EX00240										
0252 EX00240 Pulp Dup										
0253 EX00241	0.624	15.36	17.2	0.999	1119	3.5	0.02	2.43	28.0	0.127
0254 EX00242										
0255 EX00243	0.949	22.97	25.2	1.500	1464	3.4	0.09	4.79	50.6	0.137
0256 EX00244										
0257 EX00245	0.588	43.81	26.4	2.011	3846	2.2	0.03	3.52	41.3	0.357
0258 EX00246										
0259 EX00247	0.421	37.01	29.9	1.845	2399	3.8	0.03	3.17	44.7	0.206
0260 EX00248	0.858	32.31	28.6	1.643	1728	3.6	0.04	4.14	41.3	0.188
0261 EX00249										
0262 EX00250	2.509	35.78	39.4	1.798	790	4.6	0.63	10.55	45.7	0.116
0263 EX00251										
0264 EX00252	1.267	23.39	62.3	1.861	923	5.0	0.41	7.21	34.6	0.106
0265 EX00253										
0266 EX00254	2.777	41.67	41.7	1.496	621	2.9	0.10	9.66	47.9	0.045
0267 EX00255										
0268 EX00256	0.742	27.21	62.6	1.740	1224	4.8	0.13	5.89	56.4	0.165
0269 EX00257										
0270 EX00258	1.750	32.71	45.9	1.753	1400	3.7	0.16	7.80	52.4	0.143
0271 EX00259										
0272 EX00260	2.093	35.54	38.6	1.430	903	3.3	0.29	8.40	34.2	0.069
0273 EX00260 Pulp Dup										
0274 EX00261										
0275 EX00262	3.537	5.86	2.3	0.070	40	1.2	0.08	1.10	2.0	<0.005
0276 EX00263										
0277 EX00264	1.643	25.47	36.4	1.206	1502	3.2	0.07	6.91	21.6	0.070
0278 EX00265										
0279 EX00266	2.101	19.95	75.8	2.264	996	4.7	0.64	10.32	40.8	0.049
0280 EX00267										



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0241 EX00230										
0242 EX00231	36.6	108.87	0.007	4.07	5.91	10.4	1.5	5.1	19.83	0.83
0243 EX00232										
0244 EX00233	39.2	141.79	0.008	4.83	7.03	12.8	1.5	6.2	26.06	1.18
0245 EX00234										
0246 EX00235	43.0	63.62	0.006	7.52	6.04	4.9	2.5	2.1	12.59	0.45
0247 EX00236										
0248 EX00237	29.3	106.19	<0.002	<0.05	0.06	20.2	<0.5	2.9	176.53	1.07
0249 EX00238										
0250 EX00239	35.7	145.50	0.011	4.07	5.58	13.3	1.6	5.6	25.67	1.16
0251 EX00240										
0252 EX00240 Pulp Dup										
0253 EX00241	24.8	31.08	0.004	4.64	5.12	3.1	1.4	1.1	7.18	0.22
0254 EX00242										
0255 EX00243	40.9	53.80	0.006	9.29	8.54	4.8	2.7	1.4	12.90	0.43
0256 EX00244										
0257 EX00245	30.9	38.58	<0.002	7.38	5.81	4.6	2.4	1.0	17.35	0.28
0258 EX00246										
0259 EX00247	36.8	26.49	0.003	7.71	7.20	3.4	2.6	0.7	9.07	0.24
0260 EX00248	37.2	50.00	0.004	7.08	6.24	4.3	2.0	1.0	12.91	0.33
0261 EX00249										
0262 EX00250	42.6	141.72	0.010	5.85	6.80	10.4	1.7	4.2	33.99	0.94
0263 EX00251										
0264 EX00252	36.0	70.35	0.011	5.09	11.12	7.9	2.3	2.1	17.76	0.59
0265 EX00253										
0266 EX00254	51.7	107.69	0.009	4.54	17.53	12.6	2.0	4.1	19.96	0.85
0267 EX00255										
0268 EX00256	30.3	38.62	0.007	9.58	13.52	7.2	5.1	1.8	25.07	0.51
0269 EX00257										
0270 EX00258	34.5	86.07	0.005	8.04	13.36	8.6	2.7	3.1	22.12	0.66
0271 EX00259										
0272 EX00260	34.5	104.48	0.007	5.21	15.50	8.1	1.7	3.2	32.45	0.75
0273 EX00260 Pulp Dup										
0274 EX00261										
0275 EX00262	13.1	136.05	<0.002	<0.05	0.24	1.2	<0.5	0.5	18.11	0.11
0276 EX00263										
0277 EX00264	19.7	76.63	0.008	3.28	5.99	7.3	1.0	2.6	15.48	0.59
0278 EX00265										
0279 EX00266	68.2	128.08	0.011	6.72	11.22	11.9	2.1	2.9	29.15	0.91
0280 EX00267										



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0241 EX00230								3765.00	3791.00	
0242 EX00231	0.8	15.88	0.232	1.28	5.69	103	2.4	3648.00	3669.00	27.99
0243 EX00232								3388.00	3418.00	
0244 EX00233	0.6	21.78	0.274	1.61	6.82	115	2.8	3362.00	3390.00	31.57
0245 EX00234								3741.00	3766.00	
0246 EX00235	0.6	10.21	0.106	1.14	4.31	41	1.1	4152.00	4185.00	16.71
0247 EX00236								3743.00	3769.00	
0248 EX00237	<0.2	14.98	0.617	0.70	6.72	145	0.4	60.00	60.00	26.72
0249 EX00238								4201.00	4240.00	
0250 EX00239	0.9	25.22	0.267	1.34	8.50	110	2.7	3311.00	3243.00	35.05
0251 EX00240								3097.00	3120.00	
0252 EX00240 Pulp Dup										
0253 EX00241	0.3	4.80	0.055	0.65	3.00	24	0.8	3580.00	3585.00	11.50
0254 EX00242								3843.00	3847.00	
0255 EX00243	0.6	9.22	0.101	1.15	4.45	38	0.9	2066.00	2079.00	17.26
0256 EX00244								1866.00	1878.00	
0257 EX00245	0.4	5.48	0.081	0.75	4.18	39	0.6	3849.00	3858.00	23.00
0258 EX00246								3602.00	3608.00	
0259 EX00247	0.6	4.97	0.070	0.67	3.88	32	0.6	3600.00	3610.00	16.40
0260 EX00248	0.6	6.64	0.092	0.83	4.81	41	0.7	3596.00	3604.00	16.78
0261 EX00249								3715.00	3724.00	
0262 EX00250	1.0	18.93	0.244	1.37	8.56	101	1.5	3988.00	4003.00	29.99
0263 EX00251								3873.00	3888.00	
0264 EX00252	0.5	11.17	0.193	1.19	6.92	86	0.7	3504.00	3512.00	19.26
0265 EX00253								4118.00	4127.00	
0266 EX00254	0.4	16.29	0.268	1.67	10.70	128	2.6	3037.00	3045.00	26.88
0267 EX00255								3878.00	3887.00	
0268 EX00256	0.6	9.42	0.160	1.28	6.93	76	0.7	4206.00	4214.00	22.91
0269 EX00257								60.00	60.00	
0270 EX00258	0.6	12.80	0.188	1.48	8.07	84	1.4	4034.00	4041.00	24.84
0271 EX00259								1644.00	1663.00	
0272 EX00260	0.4	15.98	0.185	1.61	8.09	78	1.4	1611.00	1628.00	21.20
0273 EX00260 Pulp Dup										
0274 EX00261								4065.00	4067.00	
0275 EX00262	<0.2	2.33	0.025	0.63	0.46	6	0.2	1389.00	1394.00	2.84
0276 EX00263								3767.00	3769.00	
0277 EX00264	0.2	11.50	0.156	1.12	6.20	64	1.2	3681.00	3690.00	17.42
0278 EX00265								4002.00	4005.00	
0279 EX00266	0.8	17.66	0.251	1.39	5.30	117	0.8	3469.00	3473.00	20.23
0280 EX00267								3712.00	3717.00	



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34

SAMPLE NUMBERS

0241 EX00230				
0242 EX00231	18	109.6		
0243 EX00232				
0244 EX00233	29	143.5		
0245 EX00234				
0246 EX00235	138	59.4		
0247 EX00236				
0248 EX00237	81	110.7		
0249 EX00238			95.23	100.00
0250 EX00239	42	144.1		
0251 EX00240				
0252 EX00240 Pulp Dup				
0253 EX00241	313	34.4		
0254 EX00242				
0255 EX00243	208	55.0		
0256 EX00244				
0257 EX00245	82	42.6		
0258 EX00246				
0259 EX00247	92	36.0		
0260 EX00248	262	47.4		
0261 EX00249				
0262 EX00250	26	110.9		
0263 EX00251				
0264 EX00252	51	74.3		
0265 EX00253				
0266 EX00254	69	107.1		
0267 EX00255				
0268 EX00256	95	66.5		
0269 EX00257				
0270 EX00258	93	83.8	96.15	100.00
0271 EX00259				
0272 EX00260	126	92.8		
0273 EX00260 Pulp Dup				
0274 EX00261				
0275 EX00262	2	51.8		
0276 EX00263				
0277 EX00264	53	75.9		
0278 EX00265				
0279 EX00266	31	106.5		
0280 EX00267				



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0281 EX00268	37.00	<0.005	<0.05	8.421	43.1	923.8	2.11	0.09	1.71	0.23
0282 EX00269	37.10	<0.005								
0283 EX00270	37.20	<0.005	<0.05	8.643	24.5	1202.2	1.67	0.04	1.95	0.05
0284 EX00271	39.20	<0.005								
0285 EX00272	37.10	0.376	1.36	7.340	0.2	436.7	1.81	0.12	3.93	0.08
0286 EX00273	37.50	<0.005								
0287 EX00274	37.50	<0.005	<0.05	8.563	21.0	1280.3	1.91	0.09	1.57	0.29
0288 EX00275	37.20	<0.005								
0289 EX00276	39.00	<0.005	<0.05	8.647	14.2	836.5	2.28	0.10	1.82	0.20
0290 EX00277	38.00	<0.005								
0291 EX00278	40.10	<0.005	0.07	8.388	15.3	656.7	2.59	0.12	1.39	0.38
0292 EX00279	41.10	<0.005								
0293 EX00280	41.30	<0.005	0.14	8.682	48.1	525.5	2.28	0.33	2.01	0.15
0294 EX00280 Pulp Dup	40.10	<0.005								
0295 EX00281	39.50	<0.005								
0296 EX00282	40.20	<0.005	0.40	4.683	113.5	493.8	1.57	1.40	0.24	0.68
0297 EX00283	38.20	<0.005	0.45	4.404	28.2	470.6	1.43	1.17	0.24	1.40
0298 EX00284	38.00	<0.005								
0299 EX00285	40.50	<0.005	<0.05	8.633	62.9	1409.8	2.05	0.25	1.84	0.42
0300 EX00286	42.10	<0.005								
0301 EX00287	37.00	2.498	10.53	7.399	0.4	1617.9	1.88	0.41	3.54	0.07
0302 EX00288	42.00	<0.005								
0303 EX00289	41.00	0.007	0.31	5.966	43.3	518.8	1.55	1.87	0.36	0.12
0304 EX00290	41.00	0.006								
0305 EX00291	42.00	<0.005	0.12	7.879	31.4	794.2	2.35	0.35	0.76	0.22
0306 EX00292	43.50	<0.005								
0307 EX00293	41.00	<0.005	0.22	7.367	233.7	1080.7	2.18	0.48	0.47	0.35
0308 EX00294	42.00	0.010								
0309 EX00295	42.50	0.012	0.50	5.187	27.0	479.1	1.65	1.03	0.35	1.87
0310 EX00296	43.00	0.008								
0311 EX00297	43.00	0.011	0.66	6.430	65.9	485.1	2.58	0.87	0.43	1.98
0312 EX00298	42.00	0.007								
0313 EX00299	42.00	0.016	0.75	5.564	73.4	434.5	1.99	1.16	0.20	1.77
0314 EX00300	41.00	<0.005								
0315 EX00300 Pulp Dup	41.00	<0.005								
0316 EX00301	41.00	<0.005	0.09	6.352	33.9	471.1	2.46	0.29	0.07	0.28
0317 EX00302	36.00	<0.005								
0318 EX00303	39.00	<0.005	0.10	5.814	80.6	420.8	2.41	0.32	0.21	0.39
0319 EX00304	40.00	<0.005								
0320 EX00305	42.00	<0.005	0.26	4.229	52.5	263.0	2.05	0.67	0.28	0.20



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0281 EX00268	81.05	23.2	31	11.98	18.4	6.90	19.7	1.3	4.15	0.07
0282 EX00269										
0283 EX00270	81.63	23.0	22	10.47	11.9	5.98	19.7	1.2	4.34	0.06
0284 EX00271										
0285 EX00272	38.40	21.1	78	2.68	37.0	4.76	20.7	0.9	3.99	0.05
0286 EX00273										
0287 EX00274	81.64	20.7	20	10.39	22.2	7.94	19.5	1.0	4.38	0.07
0288 EX00275										
0289 EX00276	83.19	20.8	22	12.78	12.0	8.04	19.9	1.0	4.33	0.06
0290 EX00277										
0291 EX00278	78.92	19.7	20	12.21	22.0	8.35	19.0	1.1	4.30	0.05
0292 EX00279										
0293 EX00280	78.23	21.7	22	7.62	79.1	5.96	19.2	1.3	4.31	0.05
0294 EX00280 Pulp Dup										
0295 EX00281										
0296 EX00282	61.53	30.7	51	2.52	145.3	7.47	12.3	1.5	2.46	0.12
0297 EX00283	57.10	36.5	56	2.39	188.3	8.09	12.1	1.1	2.36	0.33
0298 EX00284										
0299 EX00285	77.91	21.3	21	10.17	16.2	7.32	19.6	1.4	4.25	0.07
0300 EX00286										
0301 EX00287	150.28	20.6	42	1.27	41.5	5.44	21.7	0.9	4.54	0.07
0302 EX00288										
0303 EX00289	88.98	17.9	54	2.79	60.7	7.04	17.1	1.6	3.84	0.06
0304 EX00290										
0305 EX00291	80.85	20.8	33	11.35	41.3	7.60	18.9	1.4	4.27	0.06
0306 EX00292										
0307 EX00293	76.70	20.3	33	5.72	50.8	6.25	17.3	1.4	3.84	0.04
0308 EX00294										
0309 EX00295	68.05	23.4	59	1.81	104.3	5.26	14.7	1.7	2.72	0.11
0310 EX00296										
0311 EX00297	91.92	24.1	59	2.36	212.1	5.98	18.2	1.3	3.52	0.11
0312 EX00298										
0313 EX00299	73.25	28.5	54	2.18	223.8	5.26	15.8	1.2	3.41	0.13
0314 EX00300										
0315 EX00300 Pulp Dup										
0316 EX00301	65.55	3.3	48	2.61	64.0	2.07	17.0	1.4	3.29	0.09
0317 EX00302										
0318 EX00303	71.27	3.8	48	2.32	63.8	2.20	16.1	1.5	3.05	0.07
0319 EX00304										
0320 EX00305	49.38	13.4	41	1.61	78.5	3.61	11.4	1.3	1.94	0.05



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0281 EX00268	2.738	42.48	63.7	2.851	1287	2.2	1.32	6.87	9.0	0.119
0282 EX00269										
0283 EX00270	2.649	42.83	56.8	2.354	991	1.7	1.86	7.25	7.1	0.116
0284 EX00271										
0285 EX00272	1.815	20.73	16.6	1.809	785	5.8	2.49	8.43	24.8	0.046
0286 EX00273										
0287 EX00274	2.643	43.42	69.2	2.543	1357	1.1	2.02	7.30	6.6	0.111
0288 EX00275										
0289 EX00276	2.686	43.22	69.3	2.513	1122	2.7	1.80	7.27	5.9	0.116
0290 EX00277										
0291 EX00278	2.894	41.24	69.9	2.555	1027	1.8	1.60	7.09	6.0	0.109
0292 EX00279										
0293 EX00280	2.420	40.78	49.4	2.355	807	2.5	1.75	7.13	6.3	0.121
0294 EX00280 Pulp Dup										
0295 EX00281										
0296 EX00282	2.098	30.20	37.8	1.022	290	5.8	0.05	7.69	62.2	0.086
0297 EX00283	2.144	27.56	29.1	0.802	323	9.2	0.05	6.80	68.2	0.091
0298 EX00284										
0299 EX00285	2.492	40.56	56.9	2.412	1028	1.3	1.84	7.03	5.8	0.115
0300 EX00286										
0301 EX00287	2.433	77.53	11.6	1.591	838	28.2	2.45	13.98	26.6	0.114
0302 EX00288										
0303 EX00289	2.608	43.81	37.4	1.185	502	3.3	0.26	12.68	29.4	0.146
0304 EX00290										
0305 EX00291	2.875	41.03	62.8	2.448	962	1.8	1.23	7.30	11.2	0.119
0306 EX00292										
0307 EX00293	3.418	39.90	40.5	2.079	757	2.5	0.62	7.80	15.4	0.113
0308 EX00294										
0309 EX00295	2.619	33.91	30.0	0.794	243	5.1	0.05	8.14	45.2	0.141
0310 EX00296										
0311 EX00297	3.315	45.12	39.2	0.999	234	3.8	0.07	9.78	53.9	0.177
0312 EX00298										
0313 EX00299	2.911	35.82	34.5	0.834	127	5.7	0.06	9.23	66.7	0.081
0314 EX00300										
0315 EX00300 Pulp Dup										
0316 EX00301	3.430	33.69	38.3	0.845	114	0.4	0.06	9.36	9.4	0.020
0317 EX00302										
0318 EX00303	3.146	36.14	34.9	0.778	126	0.4	0.06	8.87	9.5	0.062
0319 EX00304										
0320 EX00305	2.099	25.15	31.3	0.834	132	3.2	0.04	6.32	35.7	0.109



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0281 EX00268	15.6	143.69	0.002	0.47	1.52	23.3	<0.5	1.4	380.07	0.46
0282 EX00269										
0283 EX00270	20.5	121.96	<0.002	0.22	1.03	21.3	<0.5	1.3	475.43	0.52
0284 EX00271										
0285 EX00272	26.4	102.45	<0.002	0.06	<0.05	18.9	<0.5	2.7	167.95	1.00
0286 EX00273										
0287 EX00274	36.3	139.44	<0.002	0.52	1.52	21.4	<0.5	1.3	429.66	0.49
0288 EX00275										
0289 EX00276	37.4	164.83	<0.002	0.57	0.99	21.3	<0.5	1.3	413.07	0.50
0290 EX00277										
0291 EX00278	53.4	172.30	<0.002	1.29	1.05	20.3	<0.5	1.4	285.24	0.51
0292 EX00279										
0293 EX00280	48.1	144.44	<0.002	2.91	2.05	21.8	<0.5	1.3	404.60	0.52
0294 EX00280 Pulp Dup										
0295 EX00281										
0296 EX00282	40.0	103.62	0.024	5.55	6.44	9.2	3.5	3.2	15.33	0.63
0297 EX00283	37.0	96.04	0.024	5.93	4.58	9.1	2.4	3.6	16.65	0.62
0298 EX00284										
0299 EX00285	30.0	152.10	<0.002	1.65	1.42	22.2	<0.5	1.6	414.03	0.49
0300 EX00286										
0301 EX00287	26.8	81.33	<0.002	0.10	0.09	17.3	<0.5	3.1	332.53	1.03
0302 EX00288										
0303 EX00289	34.6	117.92	0.009	5.06	5.97	9.7	1.7	3.7	30.80	1.15
0304 EX00290										
0305 EX00291	20.1	161.92	0.003	1.59	2.22	20.1	<0.5	1.8	193.40	0.57
0306 EX00292										
0307 EX00293	43.6	201.16	0.005	3.50	5.81	17.3	0.9	2.4	71.31	0.59
0308 EX00294										
0309 EX00295	75.9	123.34	0.022	4.29	8.29	9.5	3.0	3.7	21.96	0.72
0310 EX00296										
0311 EX00297	67.4	167.29	0.021	4.14	15.07	12.1	3.8	4.2	25.22	0.88
0312 EX00298										
0313 EX00299	65.8	147.71	0.025	4.84	21.79	10.7	4.4	3.9	20.90	0.96
0314 EX00300										
0315 EX00300 Pulp Dup										
0316 EX00301	12.0	176.76	<0.002	1.47	2.46	12.8	1.6	3.8	23.51	0.81
0317 EX00302										
0318 EX00303	12.3	160.14	<0.002	1.43	2.77	11.1	1.2	3.4	22.32	0.77
0319 EX00304										
0320 EX00305	20.5	114.85	0.009	2.39	6.56	7.8	1.7	2.4	18.50	0.53



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0281 EX00268	<0.2	17.21	0.561	1.78	5.22	188	0.8	4054.00	4063.00	18.81
0282 EX00269								4151.00	4155.00	
0283 EX00270	<0.2	18.32	0.542	1.39	5.72	177	0.7	4032.00	4040.00	18.51
0284 EX00271								3361.00	3367.00	
0285 EX00272	<0.2	14.48	0.580	0.69	6.64	140	0.4	60.00	60.00	25.10
0286 EX00273								3980.00	3989.00	
0287 EX00274	<0.2	17.00	0.546	1.71	4.96	178	0.9	3453.00	3460.00	18.64
0288 EX00275								3954.00	3964.00	
0289 EX00276	<0.2	18.22	0.549	2.36	3.96	175	0.9	1789.00	1797.00	19.08
0290 EX00277								1969.00	1975.00	
0291 EX00278	<0.2	17.65	0.528	2.33	3.91	163	0.7	3488.00	3492.00	18.74
0292 EX00279								3619.00	3628.00	
0293 EX00280	<0.2	18.05	0.554	1.77	4.05	182	1.2	3383.00	3391.00	17.87
0294 EX00280 Pulp Dup										
0295 EX00281								3635.00	3646.00	
0296 EX00282	0.4	12.90	0.189	0.99	9.49	126	1.5	3905.00	3910.00	22.10
0297 EX00283	0.3	11.97	0.174	0.83	9.81	131	2.2	3826.00	3834.00	21.05
0298 EX00284								3419.00	3427.00	
0299 EX00285	<0.2	17.66	0.571	2.03	3.92	176	0.8	3551.00	3556.00	17.55
0300 EX00286								3901.00	3912.00	
0301 EX00287	<0.2	26.99	0.725	0.46	3.82	162	2.3	60.00	60.00	44.68
0302 EX00288								3306.00	3315.00	
0303 EX00289	0.4	16.23	0.211	1.06	9.26	96	1.9	1618.00	1622.00	31.39
0304 EX00290								1605.00	1611.00	
0305 EX00291	<0.2	17.29	0.469	1.86	4.85	163	1.1	3909.00	3915.00	19.46
0306 EX00292								3373.00	3384.00	
0307 EX00293	0.2	16.76	0.421	1.81	5.69	147	1.5	3775.00	3781.00	19.56
0308 EX00294								3961.00	3970.00	
0309 EX00295	0.6	13.99	0.194	1.29	10.68	132	1.8	3259.00	3266.00	25.54
0310 EX00296								3684.00	3689.00	
0311 EX00297	0.3	17.31	0.232	1.95	11.88	163	1.8	3424.00	3429.00	30.39
0312 EX00298								3443.00	3445.00	
0313 EX00299	0.7	23.90	0.217	2.03	13.10	155	1.7	3737.00	3739.00	24.54
0314 EX00300								3648.00	3652.00	
0315 EX00300 Pulp Dup										
0316 EX00301	<0.2	15.91	0.248	1.55	6.07	138	1.6	3546.00	3551.00	18.58
0317 EX00302								1269.00	1272.00	
0318 EX00303	<0.2	14.95	0.243	1.44	5.79	129	1.7	3356.00	3362.00	19.74
0319 EX00304								3561.00	3568.00	
0320 EX00305	<0.2	10.40	0.169	1.17	9.17	102	1.1	3529.00	3531.00	16.84



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				
0281 EX00268	150	147.5		
0282 EX00269				
0283 EX00270	74	156.5		
0284 EX00271				
0285 EX00272	74	108.5		
0286 EX00273				
0287 EX00274	155	150.7		
0288 EX00275				
0289 EX00276	142	154.9		
0290 EX00277			95.91	100.00
0291 EX00278	303	153.7		
0292 EX00279				
0293 EX00280	178	156.8		
0294 EX00280 Pulp Dup				
0295 EX00281				
0296 EX00282	188	86.7		
0297 EX00283	393	80.0		
0298 EX00284				
0299 EX00285	163	154.2		
0300 EX00286				
0301 EX00287	101	154.8		
0302 EX00288				
0303 EX00289	42	135.0		
0304 EX00290				
0305 EX00291	127	150.3		
0306 EX00292				
0307 EX00293	126	135.7		
0308 EX00294				
0309 EX00295	512	88.3		
0310 EX00296				
0311 EX00297	599	122.5	95.00	100.00
0312 EX00298				
0313 EX00299	520	105.3		
0314 EX00300				
0315 EX00300 Pulp Dup				
0316 EX00301	134	116.0		
0317 EX00302				
0318 EX00303	95	111.6		
0319 EX00304				
0320 EX00305	94	70.5		



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										
0321 EX00306	43.00	0.007								
0322 EX00307	41.00	<0.005	0.16	3.474	19.4	228.7	1.02	0.39	0.13	0.17
0323 EX00308	41.00	<0.005								
0324 EX00309	36.00	0.380	1.42	7.552	0.2	441.7	1.82	0.10	4.08	0.08
0325 EX00310	41.00	<0.005								
0326 EX00311	38.00	<0.005	<0.05	1.867	199.0	90.6	1.22	0.32	0.82	0.03
0327 EX00312	41.00	<0.005								
0328 EX00313	41.00	<0.005	<0.05	2.620	19.3	149.7	1.10	0.19	1.96	0.03
0329 EX00314	39.00	<0.005								
0330 EX00315	38.00	<0.005	<0.05	6.334	5.6	385.8	2.01	0.29	0.28	<0.02
CHECKS										
0001 EX00018	33.00	<0.005								
0002 EX00027	33.00	<0.005								
0003 EX00057	32.80	<0.005								
0004 EX00093	37.20	<0.005								
0005 EX00118	36.30	<0.005								
0006 EX00124	38.70	<0.005								
0007 EX00167	37.90	<0.005								
0008 EX00191	41.00	<0.005								
0009 EX00201	40.40	0.015								
0010 EX00238	41.20	0.014								
0011 EX00248	40.20	0.012								
0012 EX00281	42.00	<0.005								
0013 EX00048			0.06	6.207	142.1	315.6	2.44	0.24	<0.05	0.05
0014 EX00073			0.72	5.358	27.8	758.1	2.29	0.39	<0.05	0.02
0015 EX00114			0.08	6.533	9.6	504.5	2.34	0.30	0.42	<0.02
0016 EX00184			<0.05	5.807	34.2	287.9	2.33	0.15	0.25	<0.02
RESPLITS										
0017 EX00010	32.00	<0.005								
0018 EX00030	31.00	<0.005								
0019 EX00050	33.70	<0.005								
0020 EX00070	32.00	<0.005								
0021 EX00090	35.90	<0.005								
0022 EX00110	39.00	<0.005								
0023 EX00130	39.70	<0.005								
0024 EX00150	42.40	0.005								
0025 EX00171	36.90	<0.005								
0026 EX00190	43.90	0.006								



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

SAMPLE NUMBERS										
0321 EX00306										
0322 EX00307	37.75	11.3	39	1.34	55.6	2.54	9.6	1.3	1.60	0.04
0323 EX00308										
0324 EX00309	39.35	22.0	80	2.60	37.7	4.94	21.8	0.9	3.21	0.06
0325 EX00310										
0326 EX00311	36.54	3.4	28	2.73	24.4	3.60	5.1	1.3	1.90	0.02
0327 EX00312										
0328 EX00313	78.92	6.4	34	1.31	17.7	2.59	7.6	1.0	2.59	0.04
0329 EX00314										
0330 EX00315	72.33	9.3	50	7.72	16.0	5.21	16.6	1.3	4.56	0.05

CHECKS										
0001 EX00018										
0002 EX00027										
0003 EX00057										
0004 EX00093										
0005 EX00118										
0006 EX00124										
0007 EX00167										
0008 EX00191										
0009 EX00201										
0010 EX00238										
0011 EX00248										
0012 EX00281										
0013 EX00048	115.69	6.4	34	1.86	17.6	2.38	15.4	1.0	5.26	0.04
0014 EX00073	87.75	11.2	26	4.63	16.7	2.51	12.2	1.1	5.30	0.03
0015 EX00114	76.09	9.5	41	6.84	12.5	3.30	15.9	1.0	4.56	0.05
0016 EX00184	77.44	6.4	43	3.90	27.4	3.51	15.3	1.5	3.90	0.05

RESPLITS										
0017 EX00010										
0018 EX00030										
0019 EX00050										
0020 EX00070										
0021 EX00090										
0022 EX00110										
0023 EX00130										
0024 EX00150										
0025 EX00171										
0026 EX00190										



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

SAMPLE NUMBERS

0321 EX00306										
0322 EX00307	1.831	19.80	20.1	0.447	88	5.7	0.04	5.05	26.2	0.052
0323 EX00308										
0324 EX00309	1.872	21.41	17.1	1.854	819	5.8	2.56	8.63	26.1	0.047
0325 EX00310										
0326 EX00311	0.686	18.59	21.6	1.060	517	3.1	0.02	4.96	13.0	0.053
0327 EX00312										
0328 EX00313	0.946	38.07	24.3	1.316	340	2.9	0.02	5.99	13.3	0.463
0329 EX00314										
0330 EX00315	2.832	36.80	32.6	1.517	351	0.8	0.25	10.58	17.5	0.049

CHECKS

0001 EX00018										
0002 EX00027										
0003 EX00057										
0004 EX00093										
0005 EX00118										
0006 EX00124										
0007 EX00167										
0008 EX00191										
0009 EX00201										
0010 EX00238										
0011 EX00248										
0012 EX00281										
0013 EX00048	2.044	70.59	11.8	0.244	173	0.5	0.05	9.20	13.1	0.019
0014 EX00073	2.981	49.96	11.9	0.428	352	0.4	0.06	8.28	13.9	0.022
0015 EX00114	2.415	38.02	18.6	0.976	415	0.2	0.96	10.29	18.3	0.054
0016 EX00184	2.602	38.14	38.3	1.865	265	0.8	0.05	9.36	14.4	0.109

RESPLITS

0017 EX00010										
0018 EX00030										
0019 EX00050										
0020 EX00070										
0021 EX00090										
0022 EX00110										
0023 EX00130										
0024 EX00150										
0025 EX00171										
0026 EX00190										



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
SAMPLE NUMBERS										

0321 EX00306										
0322 EX00307	20.6	98.78	0.009	1.84	4.13	6.5	1.7	2.2	13.20	0.47
0323 EX00308										
0324 EX00309	29.1	105.18	<0.002	0.06	<0.05	19.8	<0.5	2.7	173.28	1.03
0325 EX00310										
0326 EX00311	10.6	48.74	0.002	0.73	1.85	3.1	<0.5	1.2	12.00	0.34
0327 EX00312										
0328 EX00313	23.4	46.33	<0.002	0.91	1.04	4.6	0.5	1.6	19.75	0.54
0329 EX00314										
0330 EX00315	8.8	156.62	<0.002	0.18	0.95	9.5	<0.5	4.9	25.10	1.13

CHECKS

0001 EX00018										
0002 EX00027										
0003 EX00057										
0004 EX00093										
0005 EX00118										
0006 EX00124										
0007 EX00167										
0008 EX00191										
0009 EX00201										
0010 EX00238										
0011 EX00248										
0012 EX00281										
0013 EX00048	15.8	104.63	<0.002	<0.05	0.74	8.6	<0.5	6.2	14.43	1.00
0014 EX00073	48.0	164.05	<0.002	<0.05	0.64	6.7	<0.5	4.4	48.31	0.88
0015 EX00114	12.3	156.29	<0.002	<0.05	0.35	10.3	<0.5	4.3	57.08	1.04
0016 EX00184	4.9	138.97	<0.002	<0.05	1.17	9.6	<0.5	4.4	14.24	1.01

RESPLITS

0017 EX00010										
0018 EX00030										
0019 EX00050										
0020 EX00070										
0021 EX00090										
0022 EX00110										
0023 EX00130										
0024 EX00150										
0025 EX00171										
0026 EX00190										



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
SAMPLE NUMBERS										
0321 EX00306								3665.00	3668.00	
0322 EX00307	<0.2	9.10	0.138	1.09	7.67	91	1.1	3691.00	3695.00	12.72
0323 EX00308								3475.00	3484.00	
0324 EX00309	<0.2	14.03	0.596	0.68	6.65	143	0.4	60.00	60.00	25.91
0325 EX00310								4440.00	4448.00	
0326 EX00311	<0.2	5.59	0.080	0.33	1.75	15	0.5	3420.00	3427.00	11.88
0327 EX00312								1916.00	1922.00	
0328 EX00313	<0.2	8.43	0.081	0.21	11.48	66	1.1	1835.00	1842.00	40.23
0329 EX00314								4107.00	4108.00	
0330 EX00315	<0.2	15.68	0.258	0.78	5.59	49	2.2	3310.00	3312.00	15.58

CHECKS

0001 EX00018										
0002 EX00027										
0003 EX00057										
0004 EX00093										
0005 EX00118										
0006 EX00124										
0007 EX00167										
0008 EX00191										
0009 EX00201										
0010 EX00238										
0011 EX00248										
0012 EX00281										
0013 EX00048	<0.2	16.35	0.245	0.38	4.26	44	3.2			25.29
0014 EX00073	<0.2	18.47	0.224	0.92	3.56	32	1.3			29.60
0015 EX00114	<0.2	15.69	0.281	0.86	2.94	52	1.7			22.51
0016 EX00184	<0.2	15.59	0.206	0.66	4.95	47	1.6			21.03

RESPLITS

0017 EX00010										
0018 EX00030										
0019 EX00050										
0020 EX00070										
0021 EX00090										
0022 EX00110										
0023 EX00130										
0024 EX00150										
0025 EX00171										
0026 EX00190										



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
SAMPLE NUMBERS				

0321 EX00306

0322 EX00307 53 56.4

0323 EX00308

0324 EX00309 75 110.8

0325 EX00310

0326 EX00311 22 72.8

0327 EX00312

0328 EX00313 13 83.7

0329 EX00314

0330 EX00315 31 160.9

CHECKS

0001 EX00018

0002 EX00027

0003 EX00057

0004 EX00093

0005 EX00118

0006 EX00124

0007 EX00167

0008 EX00191

0009 EX00201

0010 EX00238

0011 EX00248

0012 EX00281

0013 EX00048 32 172.2

0014 EX00073 71 184.1

0015 EX00114 64 156.6

0016 EX00184 21 124.9

RESPLITS

0017 EX00010

0018 EX00030

0019 EX00050

0020 EX00070

0021 EX00090

0022 EX00110

0023 EX00130

0024 EX00150

0025 EX00171

0026 EX00190



ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
RESPLITS										
0027 EX00210	43.40	0.006								
0028 EX00230	40.40	0.018								
0029 EX00250	37.50	0.014								
0030 EX00270	36.20	<0.005								
0031 EX00290	42.00	0.006								
0032 EX00310	41.00	<0.005								
STANDARDS										
0001 ST734	33.00	0.535								
0002 ST593	34.00	0.048								
0003 ST798	34.50	0.091								
0004 ST614	31.50	0.991								
0005 ST710	36.20	0.295								
0006 ST643	36.40	5.085								
0007 ST692	36.60	9.892								
0008 ST791	36.10	13.123								
0009 ST589	37.40	2.468								
0010 ST670	35.60	0.021								
0011 ST643	36.60	5.020								
0012 ST692	37.60	9.902								
0013 ST670	35.10	0.021								
0014 OREAS 905			0.64	7.899	34.7	2843.7	3.13	6.18	0.63	0.34
0015 OREAS 45d			0.23	8.813	13.9	194.7	0.76	0.34	0.20	0.03
0016 AMISO167			0.92	1.262	154.2	83.9	0.44	0.95	0.09	0.41
0017 OREAS 45e			0.28	6.796	16.4	251.5	0.66	0.26	0.06	0.04
0018 OREAS 602			117.09	4.383	653.3		0.76	57.67	0.62	25.64
0019 OREAS 926			2.86	7.168	8.3	426.4	2.18	40.29	0.47	0.53
BLANKS										
0001 Control Blank	34.80	<0.005								
0002 Control Blank	32.50	<0.005								
0003 Control Blank	34.10	<0.005								
0004 Control Blank	39.90	<0.005								
0005 Control Blank	40.70	<0.005								
0006 Control Blank	38.70	<0.005								
0007 Control Blank	38.60	<0.005								
0008 Control Blank	38.00	<0.005								
0009 Control Blank	38.40	<0.005								
0010 Control Blank	37.00	<0.005								
0011 Control Blank	38.10	<0.005								



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

RESPLITS

0027 EX00210

0028 EX00230

0029 EX00250

0030 EX00270

0031 EX00290

0032 EX00310

STANDARDS

0001 ST734

0002 ST593

0003 ST798

0004 ST614

0005 ST710

0006 ST643

0007 ST692

0008 ST791

0009 ST589

0010 ST670

0011 ST643

0012 ST692

0013 ST670

0014 OREAS 905	99.47	15.5	21	7.01	1594.1	4.23	26.3	1.3	7.10	0.70
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0015 OREAS 45d	38.82	31.2	594	4.02	395.5	15.34	22.8	1.2	4.36	0.10
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0016 AMISO167	45.95	36.7	322	1.11	59.5	2.31	2.9	0.7	1.67	0.01
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0017 OREAS 45e	23.43	57.0	912	1.18	783.0	24.22	16.0	0.3	3.11	0.10
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0018 OREAS 602	32.88	10.1	35	2.63	5154.5	2.18	22.0		2.57	5.48
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0019 OREAS 926	81.67	25.8	75	6.52	7961.0	6.96	19.7	1.7	3.10	0.86
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BLANKS

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ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

RESPLITS

0027 EX00210

0028 EX00230

0029 EX00250

0030 EX00270

0031 EX00290

0032 EX00310

STANDARDS

0001 ST734

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0003 ST798

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0005 ST710

0006 ST643

0007 ST692

0008 ST791

0009 ST589

0010 ST670

0011 ST643

0012 ST692

0013 ST670

0014 OREAS 905	3.063	48.98	21.3	0.299	403	3.2	2.58	18.35	11.1	0.030
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0015 OREAS 45d	0.453	18.02	24.0	0.263	526	2.7	0.10	15.21	235.3	0.046
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0016 AMISO167	0.414	23.45	4.6	0.137	180	3.5	0.06	3.16	89.4	0.015
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0017 OREAS 45e	0.336	10.68	6.6	0.159	552	2.3	0.06	6.54	440.8	0.035
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0018 OREAS 602	0.694	16.96	20.0	0.201	234	4.7	0.44	7.59	60.1	0.058
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0019 OREAS 926	2.467	41.10	29.7	1.719	1010	1.0	0.27	13.16	35.4	0.057
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ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

RESPLITS

0027 EX00210

0028 EX00230

0029 EX00250

0030 EX00270

0031 EX00290

0032 EX00310

STANDARDS

0001 ST734

0002 ST593

0003 ST798

0004 ST614

0005 ST710

0006 ST643

0007 ST692

0008 ST791

0009 ST589

0010 ST670

0011 ST643

0012 ST692

0013 ST670

0014 OREAS 905	32.3	139.80	<0.002	0.08	1.94	5.6	2.2	4.4	166.62	1.37
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0015 OREAS 45d	21.7	43.61	<0.002	0.07	0.80	58.0	3.0	2.8	34.94	1.14
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0016 AMISO167	242.0	16.10	<0.002	0.69	5.93	2.5	0.6	1.4	19.20	1.30
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0017 OREAS 45e	17.2	20.71	<0.002	<0.05	0.94	98.8	2.6	1.3	15.98	0.54
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0018 OREAS 602	1096.4	27.11	<0.002	2.05	80.16	4.6	34.3	6.0	485.89	0.62
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0019 OREAS 926	104.6	163.43	<0.002		1.44	12.5	11.6	17.8	36.77	1.07
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BLANKS

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ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDRY	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
RESPLITS										
0027 EX00210										
0028 EX00230										
0029 EX00250										
0030 EX00270										
0031 EX00290										
0032 EX00310										
STANDARDS										
0001 ST734										
0002 ST593										
0003 ST798										
0004 ST614										
0005 ST710										
0006 ST643										
0007 ST692										
0008 ST791										
0009 ST589										
0010 ST670										
0011 ST643										
0012 ST692										
0013 ST670										
0014 OREAS 905	<0.2	15.36	0.131	0.78	5.29	11	2.9			16.50
0015 OREAS 45d	<0.2	15.42	0.880	0.27	2.83	245	1.8			11.51
0016 AMISO167	<0.2	46.89	0.072	0.18	452.69	56	0.8			19.73
0017 OREAS 45e	<0.2	12.76	0.559	0.16	2.39	321	1.1			8.30
0018 OREAS 602	41.2	7.11	0.215	1.79	2.65	34	13.1			6.47
0019 OREAS 926	<0.2	16.19	0.373	0.90	3.02	87	6.7			24.72
BLANKS										
0001 Control Blank										
0002 Control Blank										
0003 Control Blank										
0004 Control Blank										
0005 Control Blank										
0006 Control Blank										
0007 Control Blank										
0008 Control Blank										
0009 Control Blank										
0010 Control Blank										
0011 Control Blank										



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34
RESPLITS				

0027 EX00210

0028 EX00230

0029 EX00250

0030 EX00270

0031 EX00290

0032 EX00310

STANDARDS

0001 ST734

0002 ST593

0003 ST798

0004 ST614

0005 ST710

0006 ST643

0007 ST692

0008 ST791

0009 ST589

0010 ST670

0011 ST643

0012 ST692

0013 ST670

0014 OREAS 905 149 256.3

0015 OREAS 45d 50 156.4

0016 AMISO167 160 60.6

0017 OREAS 45e 47 102.3

0018 OREAS 602 4198 85.0

0019 OREAS 926 406 104.4

BLANKS

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ELEMENTS	BUTTON	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
UNITS	g	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
DETECTION LIMIT	0.01	0.005	0.05	0.005	0.2	0.1	0.05	0.01	0.05	0.02
DIGEST	FA50/	FA50/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	MS	MS	MS	MS	MS	MS	MS	MS
BLANKS										
0012 Control Blank	38.50	<0.005								
0013 Control Blank	37.00	<0.005								
0014 Control Blank			<0.05	<0.005	<0.2	<0.1	<0.05	<0.01	<0.05	<0.02
0015 Control Blank			<0.05	<0.005	<0.2	<0.1	<0.05	<0.01	<0.05	<0.02
0016 Control Blank			<0.05	<0.005	<0.2	<0.1	<0.05	<0.01	<0.05	<0.02
0017 Control Blank			<0.05	<0.005	<0.2	<0.1	<0.05	<0.01	<0.05	<0.02



ELEMENTS	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.01	0.1	1	0.05	0.5	0.01	0.1	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
BLANKS										
0012 Control Blank										
0013 Control Blank										
0014 Control Blank	<0.01	<0.1	<1	<0.05	<0.5	<0.01	<0.1	<0.1	<0.05	<0.01
0015 Control Blank	<0.01	<0.1	<1	<0.05	<0.5	<0.01	<0.1	<0.1	<0.05	<0.01
0016 Control Blank	<0.01	<0.1	<1	<0.05	<0.5	<0.01	<0.1	<0.1	<0.05	<0.01
0017 Control Blank	<0.01	<0.1	<1	<0.05	<0.5	<0.01	<0.1	<0.1	<0.05	<0.01



ELEMENTS	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
UNITS	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DETECTION LIMIT	0.002	0.01	0.1	0.002	1	0.1	0.01	0.05	0.5	0.005
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
BLANKS										
0012 Control Blank										
0013 Control Blank										
0014 Control Blank	<0.002	<0.01	<0.1	<0.002	<1	<0.1	<0.01	<0.05	<0.5	<0.005
0015 Control Blank	<0.002	<0.01	<0.1	<0.002	<1	<0.1	<0.01	<0.05	<0.5	<0.005
0016 Control Blank	<0.002	<0.01	<0.1	<0.002	<1	<0.1	<0.01	<0.05	<0.5	<0.005
0017 Control Blank	<0.002	<0.01	<0.1	<0.002	3	<0.1	<0.01	<0.05	<0.5	<0.005



ELEMENTS	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.5	0.05	0.002	0.05	0.05	0.1	0.5	0.1	0.05	0.01
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
BLANKS										
0012 Control Blank										
0013 Control Blank										
0014 Control Blank	<0.5	<0.05	<0.002	<0.05	<0.05	<0.1	<0.5	<0.1	<0.05	<0.01
0015 Control Blank	<0.5	<0.05	<0.002	<0.05	<0.05	<0.1	<0.5	<0.1	<0.05	<0.01
0016 Control Blank	<0.5	<0.05	<0.002	<0.05	<0.05	<0.1	<0.5	<0.1	<0.05	<0.01
0017 Control Blank	2.2	<0.05	<0.002	<0.05	<0.05	<0.1	<0.5	<0.1	0.09	<0.01



ELEMENTS	Te	Th	Ti	Tl	U	V	W	WTDry	WTTOT	Y
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	g	g	ppm
DETECTION LIMIT	0.2	0.01	0.005	0.02	0.01	2	0.1	0.01	0.01	0.05
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/			4A/
ANALYTICAL FINISH	MS	MS	MS	MS	MS	MS	MS	WT02	WT01	MS
BLANKS										
0012 Control Blank										
0013 Control Blank										
0014 Control Blank	<0.2	<0.01	<0.005	<0.02	<0.01	<2	<0.1			<0.05
0015 Control Blank	<0.2	<0.01	<0.005	<0.02	<0.01	<2	<0.1			<0.05
0016 Control Blank	<0.2	<0.01	<0.005	<0.02	<0.01	<2	<0.1			<0.05
0017 Control Blank	<0.2	<0.01	<0.005	<0.02	<0.01	<2	<0.1			<0.05



ELEMENTS	Zn	Zr	p106um	p4.75mm
UNITS	ppm	ppm	%	%
DETECTION LIMIT	1	0.1	0.01	0.01
DIGEST	4A/	4A/		
ANALYTICAL FINISH	MS	MS	/SV33	/SV34

BLANKS

0012 Control Blank

0013 Control Blank

0014 Control Blank	<1	<0.1
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0015 Control Blank	<1	<0.1
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0016 Control Blank	<1	<0.1
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0017 Control Blank	<1	<0.1
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**METHOD CODE DESCRIPTION**

Method Code Date Tested	Analysing Laboratory NATA Laboratory Accreditation	NATA Scope of Accreditation
/SV33 15/10/19 09:58	Intertek Genalysis Perth 3244 3237 QA Crush passing 4.75mm	
/SV34 15/10/19 08:37	Intertek Genalysis Perth 3244 3237 QA Screen-Sizing for -106um	
4A/MS 09/10/19 14:28	Intertek Genalysis Townsville 3244 20462 Multi-acid digest including Hydrofluoric, Nitric, Perchloric and Hydrochloric acids in Teflon Tubes. Analysed by Inductively Coupled Plasma Mass Spectrometry.	4A/ : MPL_W002, MS : ICP_W003
FA50/OE 09/10/19 09:29	Intertek Genalysis Perth 3244 3237 50g Lead collection fire assay. Analysed by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry.	FA50/ : FA_W001, OE : ICP_W004
WT01 15/10/19 09:58	Intertek Genalysis Perth 3244 3237 Reporting weights of samples	
WT02 15/10/19 09:58	Intertek Genalysis Perth 3244 3237 Reporting weights of Dry Sample	