



WORKORDER CONFIRMATION FOR TV06094301

Print date : Oct 02, 2006

Client Code : METMIN

Page 1 of 2

To:

Patrick Smith
Metallica Minerals
GPO BOX 122
BRISBANE QLD
Australia 4001

WO Billing address:

Patrick Smith
Metallica Minerals
GPO BOX 122
BRISBANE QLD
Australia 4001

WORKORDER DISTRIBUTION

REPORT DESCRIPTION	DESTINATION PERSON	DELIVERY
ALS Chemex Standard CSV format	Andrew Gillies	Webtrieve
ALS Chemex Standard CSV format	Paul Messenger	Webtrieve
ALS Chemex Standard CSV format	Patrick Smith	Email
A4 version of the COA	Patrick Smith	Email
A4 QC Certificate	Patrick Smith	Email
A4 version of Client WOKO	Patrick Smith	Email
Australian A4 Invoice	Patrick Smith	Email
Sample Receipt Advice	Patrick Smith	Email
ALS Chemex Standard CSV format	Spencer Summers	Webtrieve

Samples submitted by: Patrick Smith Total Samples Received: 36

Project: Prospect Pulp Disposition: Dump after 90 Days

P. O. #: 232160 Reject Disposition: Monthly Storage

Sample Type: Percussion First Sample Description: RC-001 60-62

Date Received: September 25, 2006 Carrier and Waybill:

ANALYTICAL WORK REQUESTED:

PREP

8 BAG-01 Bulk Master for Storage

36 LEV-01 Waste Disposal Levy

36 LOG-22 Sample login - Rcd w/o BarCode

36 PUL-23 Pulv Sample - Split/Retain

8 SPL-21 Split sample - riffle splitter

36 WEI-21 Received Sample Weight

Analyses Requested: Recvd Wt.

Hope Rc 001
60-62 131

ANALYTICAL

36 ME-MS61 47 element four acid ICP-MS

Analyses Requested: Ag,Al,As,Ba,Be,Bi,Ca,Cd,Ce,Co,Cr,Cs,Cu,Fe,Ga,Ge,Hf,In,K,La,Li,Mg,Mn,Mo,Na,Nb,Ni,P,Pb,Rb,Re,S,Sb,Se,Sn,Sr,Ta,Te,Th,Ti,Tl,U,V,W,Y,Zn,Zr

36 PGM-MS23 Pt, Pd, Au 30g FA ICP-MS

Analyses Requested: Au,Pd,Pt

IF Au >= 1 ppm THEN RUN METHOD Au-AA25



**WORKORDER
CONFIRMATION FOR
TV06094301**

Invoice Comments: Batch fee is on TV06092867

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Page: 1
Finalized Date: 13-OCT-2006
Account: METMIN

CERTIFICATE TV06094301

Project: Prospect

P.O. No.: 232160

This report is for 36 Percussion samples submitted to our lab in Townsville, QLD, Australia on 25-SEP-2006.

The following have access to data associated with this certificate:

ANDREW GILLIES
SPENCER SUMMERS

PAUL MESSENGER

PATRICK SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS ICP-MS

To: METALLICA MINERALS
ATTN: PATRICK SMITH
GPO BOX 122
BRISBANE QLD 4001

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: REE's may not be totally soluble in MS61 method.

Signature:


Shaun Kenny, Brisbane Laboratory Manager



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Total # Pages: 2 (A - D)

Finalized Date: 13-OCT-2006

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Project: Prospect

CERTIFICATE OF ANALYSIS TV06094301

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PGM-MS23 Au ppm 0.001	PGM-MS23 Pt ppm 0.0005	PGM-MS23 Pd ppm 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
RC-001 60-62		0.75	0.002	0.0009	0.001	0.14	5.98	11.4	270	2.51	0.22	0.35	0.09	55.50	10.2	32
RC-001 62-64		1.29	0.001	0.0007	0.001	0.12	7.40	9.4	280	3.54	0.31	0.18	0.10	71.80	12.5	34
RC-001 64-66		2.08	0.010	0.0012	0.002	0.16	8.48	15.0	230	4.10	2.04	0.16	0.10	84.00	16.8	35
RC-001 66-68		1.60	0.010	0.0006	0.002	0.14	7.41	5.9	320	3.36	3.30	0.13	0.06	73.10	4.9	22
RC-001 68-70		1.72	0.002	<0.0005	0.001	0.18	7.72	19.9	660	3.95	1.54	0.27	0.04	97.70	7.0	24
RC-001 70-72		1.70	0.002	<0.0005	0.001	0.18	6.81	12.2	530	4.18	1.26	3.44	0.07	81.00	7.0	23
RC-001 72-74		1.49	0.002	<0.0005	0.001	0.24	6.92	32.3	630	2.80	1.26	2.62	0.16	102.00	26.5	21
RC-001 74-76		1.93	0.001	<0.0005	0.001	0.22	6.51	31.2	550	2.56	0.86	0.47	0.48	113.00	22.8	20
RC-001 76-78		2.06	0.004	0.0049	0.006	0.22	6.22	38.6	490	2.45	0.76	0.37	0.15	101.00	26.3	16
RC-001 78-80		1.82	0.023	0.0020	0.004	0.25	6.38	56.9	570	2.58	0.82	0.38	0.32	110.00	25.7	17
RC-001 80-82		1.92	0.030	0.0021	0.004	0.23	6.26	58.6	430	2.59	0.96	0.41	0.20	108.00	26.1	16
RC-001 82-84		1.95	0.008	0.0018	0.001	0.25	6.55	77.1	420	2.83	1.40	0.48	0.47	113.00	27.7	17
RC-001 84-86		3.00	0.014	0.0020	0.003	0.30	6.53	56.7	450	2.84	1.33	0.66	0.34	114.50	30.5	17
RC-001 86-88		2.91	0.003	0.0007	0.001	0.20	6.39	36.2	600	2.90	1.28	0.64	0.24	107.50	28.2	17
RC-001 88-90		2.91	0.007	0.0009	0.002	0.21	6.56	38.0	510	2.98	0.83	0.68	0.54	108.00	28.2	17
RC-001 90-92		2.86	0.001	<0.0005	0.001	0.20	6.52	45.2	450	2.91	0.77	1.03	0.45	109.00	29.0	15
RC-001 92-94		3.05	0.004	0.0006	0.002	0.20	6.42	100.0	400	3.05	0.93	1.01	0.43	106.50	29.3	15
RC-001 94-96		3.32	0.004	0.0015	0.001	0.20	6.45	41.5	470	2.89	0.68	0.98	0.41	104.00	26.8	17
RC-001 96-98		2.77	0.004	0.0016	0.003	0.21	6.25	57.2	430	2.59	0.95	0.91	0.27	102.50	26.4	15
RC-001 98-100		3.19	0.007	0.0005	0.001	0.23	6.67	133.0	710	2.79	1.64	1.22	0.40	107.50	19.4	17
RC-001 100-102		3.21	0.010	0.0012	0.001	0.20	6.63	120.0	620	2.60	1.61	1.26	0.45	92.80	20.7	16
RC-001 102-104		2.67	0.008	0.0005	0.002	0.21	6.99	49.7	780	3.07	2.39	1.25	0.26	97.80	18.3	20
RC-001 104-106		3.09	0.009	<0.0005	0.001	0.18	7.03	47.1	660	3.01	1.21	1.45	0.19	99.40	21.1	18
RC-001 106-108		3.40	0.007	0.0010	0.002	0.43	7.03	41.5	800	2.87	1.01	1.34	0.19	95.40	20.7	21
RC-001 108-110		3.01	0.007	0.0027	0.003	0.26	6.69	41.9	720	3.17	0.94	1.10	0.30	94.60	18.9	19
RC-001 110-112		4.08	0.002	0.0015	0.001	0.24	6.78	33.3	840	2.87	0.61	1.13	0.19	97.20	18.8	17
RC-001 112-114		4.81	0.009	0.0009	0.002	0.21	7.25	38.5	790	3.29	0.38	1.12	0.23	113.00	16.1	22
RC-001 114-116		4.12	0.003	0.0011	0.002	0.21	7.47	19.7	790	3.51	0.43	2.61	0.20	100.50	20.6	28
RC-001 116-118		3.90	0.004	0.0014	0.002	0.14	6.91	16.9	510	3.01	0.28	1.93	0.17	108.50	30.4	16
RC-001 118-120		4.02	0.002	0.0011	0.002	0.16	6.51	32.8	600	2.77	0.32	1.72	0.19	88.20	34.1	22
RC-001 120-122		2.96	0.003	0.0013	0.001	0.20	7.61	12.3	930	3.64	0.33	1.69	0.36	117.50	15.5	23
RC-001 122-124		3.12	0.005	0.0010	0.002	0.13	6.73	25.6	650	2.96	0.22	1.78	0.15	89.20	18.6	27
RC-001 124-126		3.91	0.010	0.0007	0.002	0.10	6.24	15.5	810	2.96	0.40	1.54	0.40	85.10	14.6	29
RC-001 126-128		2.58	0.004	0.0008	0.002	0.12	6.39	17.8	670	3.15	0.34	1.15	0.18	93.00	17.7	21
RC-001 128-130		3.01	0.004	0.0007	0.001	0.18	6.62	28.6	900	2.98	0.68	1.73	0.31	86.10	17.5	27
RC-001 130-131		2.46	0.003	0.0005	0.001	0.12	4.89	18.9	650	2.30	0.34	1.28	0.20	60.70	12.4	34

Comments: REE's may not be totally soluble in MS61 method.



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Project: Prospect

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Total # Pages: 2 (A - D)
Finalized Date: 13-OCT-2006
Account: METMIN

CERTIFICATE OF ANALYSIS TV06094301

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
RC-001 60-62		4.61	16.8	3.61	14.85	0.10	3.9	0.049	1.48	25.0	45.7	0.43	462	4.10	0.35
RC-001 62-64		7.08	21.3	3.79	18.60	0.13	4.5	0.070	1.82	31.6	65.7	0.45	197	9.69	0.29
RC-001 64-66		8.68	121.5	7.22	22.90	0.18	4.6	0.117	1.58	35.2	82.7	0.39	1110	31.60	0.19
RC-001 66-68		8.98	151.5	6.82	26.00	0.18	3.7	0.158	2.00	41.1	88.5	0.32	700	2.08	0.07
RC-001 68-70		11.80	162.5	7.34	25.30	0.22	3.7	0.119	2.82	34.6	85.9	0.32	751	1.44	0.12
RC-001 70-72		12.85	131.0	7.36	22.30	0.16	4.0	0.110	1.58	22.8	81.3	0.34	1155	2.14	0.11
RC-001 72-74		10.95	199.0	5.03	22.30	0.19	3.9	0.117	1.98	48.7	53.2	0.29	653	27.20	0.53
RC-001 74-76		11.20	183.0	4.53	21.10	0.19	3.7	0.103	2.87	56.1	45.6	0.30	402	21.80	1.18
RC-001 76-78		10.30	177.0	5.00	19.80	0.19	3.2	0.083	1.76	50.0	41.2	0.28	459	18.65	1.30
RC-001 78-80		10.00	181.5	4.88	21.10	0.18	3.5	0.090	3.00	54.4	40.7	0.29	490	21.30	1.39
RC-001 80-82		9.90	178.5	4.65	20.20	0.19	3.4	0.089	2.52	53.5	38.1	0.28	465	19.10	1.46
RC-001 82-84		10.65	187.0	5.32	21.50	0.18	3.5	0.104	2.00	55.8	45.1	0.33	546	21.60	1.38
RC-001 84-86		11.35	194.0	5.28	21.90	0.22	3.6	0.103	2.54	56.5	43.6	0.34	566	21.80	1.45
RC-001 86-88		10.85	185.5	5.06	21.10	0.20	3.6	0.099	2.99	53.2	43.9	0.31	528	20.10	1.44
RC-001 88-90		11.30	178.5	5.25	20.90	0.21	3.4	0.099	3.16	53.8	49.2	0.33	545	18.15	1.41
RC-001 90-92		10.95	196.0	5.30	21.50	0.20	3.4	0.094	2.59	53.8	42.1	0.28	565	20.90	1.49
RC-001 92-94		10.80	195.5	5.31	21.30	0.19	3.5	0.099	3.40	52.2	41.4	0.27	552	22.20	1.46
RC-001 94-96		10.80	175.0	5.22	20.50	0.20	3.6	0.095	2.40	51.0	43.6	0.27	538	19.75	1.36
RC-001 96-98		9.26	166.5	5.98	19.75	0.19	3.1	0.102	2.40	50.5	39.2	0.27	596	19.70	1.35
RC-001 98-100		9.26	123.0	5.00	21.10	0.21	3.2	0.138	2.34	53.0	44.6	0.33	588	12.90	1.46
RC-001 100-102		8.98	124.0	4.89	20.70	0.17	3.3	0.153	1.19	45.8	45.4	0.33	585	14.30	1.47
RC-001 102-104		9.09	109.5	5.00	21.30	0.17	3.1	0.121	1.41	49.4	49.5	0.38	639	12.65	1.54
RC-001 104-106		9.55	124.5	5.60	22.30	0.19	3.5	0.100	3.23	49.5	44.7	0.37	658	12.35	1.57
RC-001 106-108		9.73	120.5	5.69	21.60	0.19	3.1	0.103	1.89	47.7	45.9	0.35	630	13.15	1.53
RC-001 108-110		10.50	107.0	5.07	20.60	0.20	3.4	0.122	1.74	47.0	48.4	0.35	565	14.45	1.48
RC-001 110-112		10.75	110.5	5.17	21.70	0.18	3.8	0.105	2.72	48.4	49.0	0.34	589	13.55	1.32
RC-001 112-114		9.80	139.0	5.41	22.40	0.18	5.3	0.216	1.21	57.1	77.8	0.52	732	8.78	1.25
RC-001 114-116		8.99	78.7	6.11	25.40	0.19	3.2	0.125	1.19	49.9	60.1	0.53	889	9.20	1.12
RC-001 116-118		6.88	99.0	6.80	22.40	0.19	4.4	0.121	1.54	54.2	49.8	0.56	850	7.39	1.79
RC-001 118-120		8.24	116.5	6.41	20.70	0.21	3.4	0.091	1.36	43.8	49.3	0.48	758	9.74	1.25
RC-001 120-122		12.00	96.8	5.24	22.60	0.20	4.1	0.148	1.84	59.1	65.0	0.49	715	7.11	1.33
RC-001 122-124		12.60	93.2	5.80	20.50	0.17	3.8	0.108	1.64	44.7	65.3	0.65	784	8.39	1.60
RC-001 124-126		8.48	74.9	4.74	18.25	0.17	3.0	0.151	1.51	42.7	42.1	0.35	576	7.03	1.42
RC-001 126-128		9.95	122.5	5.35	20.10	0.19	2.6	0.094	2.41	46.8	41.0	0.31	584	13.30	1.47
RC-001 128-130		7.65	71.9	5.04	21.80	0.17	3.3	0.104	1.40	42.8	39.7	0.38	635	7.63	1.54
RC-001 130-131		7.99	53.9	3.78	14.40	0.13	2.3	0.069	1.47	30.6	36.6	0.34	436	5.72	0.90

Comments: REE's may not be totally soluble in MS61 method.



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ni	P	Pb	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Ti	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.005
RC-001 60-62		16.1	300	16.7	68.4	<0.002	0.07	0.62	1	2.2	60.7	0.80	0.06	8.8	0.372
RC-001 62-64		19.0	400	21.6	75.4	<0.002	0.07	0.93	1	3.1	55.4	1.06	0.07	10.9	0.491
RC-001 64-66		44.7	300	39.9	84.2	<0.002	0.06	1.85	1	5.4	53.7	1.39	0.35	17.1	0.477
RC-001 66-68		26.2	380	48.9	132.5	<0.002	0.04	1.05	2	8.9	63.1	1.66	0.59	25.3	0.356
RC-001 68-70		47.2	930	49.8	195.5	<0.002	0.03	0.82	2	7.6	83.6	1.48	0.44	22.2	0.332
RC-001 70-72		47.7	1050	39.8	145.0	<0.002	0.02	0.74	1	7.0	78.1	1.37	0.37	18.7	0.367
RC-001 72-74		61.1	400	45.4	139.5	0.006	1.58	2.23	2	6.8	86.6	1.53	0.38	21.1	0.377
RC-001 74-76		50.0	500	46.0	209.0	0.004	1.85	1.65	2	6.7	88.2	1.45	0.32	22.1	0.317
RC-001 76-78		57.0	610	43.2	145.5	0.004	2.09	1.41	2	5.6	74.5	1.26	0.34	19.5	0.286
RC-001 78-80		54.5	630	46.7	219.0	0.005	1.96	1.61	2	5.9	68.0	1.43	0.33	21.6	0.318
RC-001 80-82		57.5	610	45.6	190.0	0.004	2.14	1.71	3	5.8	66.8	1.32	0.32	20.9	0.288
RC-001 82-84		59.7	590	47.6	152.0	0.005	2.27	1.70	2	6.4	58.7	1.44	0.38	21.9	0.315
RC-001 84-86		64.9	640	48.9	195.0	0.005	2.43	1.60	3	6.2	63.9	1.48	0.40	21.8	0.318
RC-001 86-88		63.6	670	51.6	204.0	0.006	2.34	1.54	2	5.8	63.9	1.35	0.40	21.1	0.293
RC-001 88-90		61.5	650	47.1	213.0	0.005	2.42	1.80	3	6.0	74.8	1.35	0.33	21.1	0.291
RC-001 90-92		62.8	740	48.0	200.0	0.004	2.54	1.77	3	6.0	81.4	1.41	0.26	21.5	0.298
RC-001 92-94		66.9	670	47.7	223.0	0.004	2.69	1.82	3	5.7	74.8	1.41	0.34	21.0	0.291
RC-001 94-96		61.1	730	43.2	187.5	0.005	2.38	1.59	2	5.7	70.3	1.39	0.21	21.0	0.286
RC-001 96-98		54.2	670	42.1	171.5	0.004	2.20	1.44	2	5.4	57.0	1.37	0.29	21.0	0.290
RC-001 98-100		40.1	750	43.0	169.0	0.002	1.69	1.61	2	5.4	61.1	1.38	0.51	20.9	0.284
RC-001 100-102		44.7	650	37.0	99.2	0.004	1.93	1.46	2	5.1	61.0	1.33	0.51	18.3	0.268
RC-001 102-104		39.8	600	42.3	111.0	0.003	1.35	1.42	2	5.4	66.6	1.38	0.73	19.6	0.284
RC-001 104-106		42.8	740	41.6	197.5	0.003	1.75	1.51	2	4.7	79.5	1.38	0.32	20.0	0.286
RC-001 106-108		45.1	600	40.3	144.5	0.002	1.63	1.51	2	5.0	79.6	1.32	0.24	18.5	0.282
RC-001 108-110		41.8	890	45.7	134.5	0.005	1.40	1.11	2	5.2	85.8	1.28	0.29	18.3	0.258
RC-001 110-112		41.3	630	43.6	192.5	0.004	1.40	1.23	2	5.2	90.7	1.32	0.17	20.5	0.250
RC-001 112-114		33.1	680	29.9	94.5	0.004	1.00	1.22	1	7.3	59.7	1.38	0.15	22.8	0.295
RC-001 114-116		42.1	610	44.6	99.3	0.002	1.33	1.60	2	5.2	117.0	1.35	0.17	18.8	0.347
RC-001 116-118		50.4	1150	25.6	101.0	0.003	2.05	1.45	2	3.8	85.9	1.43	0.13	18.3	0.532
RC-001 118-120		71.3	750	29.2	120.0	0.004	1.83	1.40	2	4.3	85.8	1.28	0.11	16.8	0.438
RC-001 120-122		33.4	1350	32.8	153.0	0.002	1.28	1.45	2	5.5	93.9	1.44	0.12	23.7	0.294
RC-001 122-124		41.2	1190	26.6	123.5	0.003	1.22	1.29	1	4.0	81.7	1.32	0.12	17.2	0.327
RC-001 124-126		31.2	590	31.4	101.0	0.002	1.06	1.56	1	4.8	112.5	1.18	0.15	16.7	0.266
RC-001 126-128		37.1	550	40.9	172.0	0.002	1.48	1.19	1	3.9	102.5	1.26	0.17	17.6	0.287
RC-001 128-130		30.2	680	38.4	97.3	0.003	1.08	1.61	2	3.7	112.5	1.28	0.23	17.3	0.294
RC-001 130-131		25.1	340	28.8	117.5	0.002	0.71	0.93	1	2.8	103.5	0.82	0.11	11.8	0.209

Comments: REE's may not be totally soluble in MS61 method.



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Project: Prospect

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Total # Pages: 2 (A - D)
Finalized Date: 13-OCT-2006
Account: METMIN

CERTIFICATE OF ANALYSIS TV06094301

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
RC-001 60-62		1.9	79	4.2	19.4	95	132.0
RC-001 62-64		2.6	94	4.6	27.1	92	164.5
RC-001 64-66		4.7	85	4.6	34.1	122	152.0
RC-001 66-68		7.6	42	5.1	19.3	72	105.0
RC-001 68-70		7.1	46	4.3	16.1	77	112.0
RC-001 70-72		7.0	55	4.7	20.7	105	123.5
RC-001 72-74		7.4	51	5.0	28.0	105	117.0
RC-001 74-76		7.3	40	5.6	34.6	78	112.0
RC-001 76-78		6.5	38	4.8	37.4	74	95.7
RC-001 78-80		7.1	35	7.3	43.4	89	102.5
RC-001 80-82		6.7	31	6.7	41.5	95	99.5
RC-001 82-84		7.3	35	7.2	41.8	105	103.5
RC-001 84-86		7.4	36	8.6	44.3	141	106.0
RC-001 86-88		6.9	33	7.0	43.0	151	103.5
RC-001 88-90		7.0	37	6.8	40.3	145	97.9
RC-001 90-92		7.0	32	8.3	44.3	146	101.0
RC-001 92-94		7.1	31	7.5	44.5	232	100.0
RC-001 94-96		7.8	39	6.9	42.7	193	108.5
RC-001 96-98		7.6	34	7.8	45.9	142	91.1
RC-001 98-100		7.5	34	6.6	47.8	173	92.7
RC-001 100-102		7.0	34	5.9	43.3	197	95.7
RC-001 102-104		7.0	39	7.0	43.8	167	89.6
RC-001 104-106		7.3	37	5.7	45.6	139	99.9
RC-001 106-108		5.5	40	4.7	40.1	153	89.1
RC-001 108-110		7.1	43	5.5	44.4	170	98.7
RC-001 110-112		6.7	36	5.3	44.6	136	104.5
RC-001 112-114		9.0	56	4.2	43.6	165	147.0
RC-001 114-116		6.5	66	4.7	39.3	140	97.6
RC-001 116-118		5.7	45	4.7	49.9	135	130.5
RC-001 118-120		5.3	51	4.9	38.8	139	106.0
RC-001 120-122		7.8	55	6.6	46.0	179	117.0
RC-001 122-124		7.6	62	3.6	40.5	139	119.0
RC-001 124-126		5.4	47	4.4	36.0	190	93.0
RC-001 126-128		5.2	35	4.0	36.2	209	78.3
RC-001 128-130		5.4	47	4.1	35.6	161	98.8
RC-001 130-131		3.5	45	5.4	23.5	155	69.7

Comments: REE's may not be totally soluble in MS61 method.



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Finalized Date: 15-NOV-2006
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CERTIFICATE TV06100850

Project:

P.O. No.: 232173

This report is for 157 Percussion samples submitted to our lab in Townsville, QLD, Australia on 10-OCT-2006.

The following have access to data associated with this certificate:

RESULTS
PATRICK SMITH

ANDREW GILLIES
SPENCER SUMMERS

PAUL MESSENGER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-QC	Pulverizing QC Test
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS ICP-MS

To: METALLICA MINERALS
ATTN: PATRICK SMITH
GPO BOX 122
BRISBANE QLD 4001

PROSPECT - GORDON

RC-03 & RC-04

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: REE's may not be totally soluble in MS61 method.

Signature:

Shaun Kenny
Shaun Kenny, Brisbane Laboratory Manager



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Total # Pages: 5 (A - D)

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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	WEI-21	PGM-MS23	PGM-MS23	PGM-MS23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt.	Au	Pt	Pd	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.0005	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
RC003 0-10		2.98	0.020	<0.0005	0.001	0.11	2.77	2.8	260	1.07	0.10	0.06	0.02	31.70	8.6	19
RC003 10-20		2.70	0.005	<0.0005	0.001	0.17	3.04	4.1	240	1.15	0.10	0.07	0.03	27.20	3.7	16
RC003 20-30		3.34	0.004	<0.0005	0.001	0.08	3.04	4.3	170	1.24	0.13	0.06	0.02	28.20	4.7	17
RC003 30-40		3.09	0.002	<0.0005	0.001	0.06	3.75	7.6	210	1.40	0.13	0.06	0.02	34.90	6.7	24
RC003 42-44		2.10	0.001	<0.0005	0.001	0.07	3.16	39.3	180	1.31	0.08	0.24	0.05	27.60	6.1	17
RC003 44-46		1.09	0.014	0.0074	0.008	0.08	3.56	19.9	190	1.05	0.08	0.11	0.04	27.40	6.5	15
RC003 46-48		2.82	0.001	0.0008	0.001	0.10	4.14	17.2	210	1.24	0.11	0.13	0.09	32.10	7.2	19
RC003 48-50		1.90	<0.001	<0.0005	0.001	0.04	1.02	3.8	30	0.32	0.02	0.02	<0.02	20.50	1.3	8
RC003 50-52		2.37	0.004	0.0005	0.001	0.03	4.26	5.0	200	1.31	0.03	0.01	<0.02	76.40	1.9	23
RC003 52-54		3.17	<0.001	<0.0005	0.001	0.09	1.97	1.8	120	0.43	0.02	0.01	<0.02	34.40	0.8	12
RC003 54-56		3.51	<0.001	<0.0005	0.001	0.08	0.94	1.4	50	0.23	0.02	0.02	<0.02	32.40	0.8	9
RC003 56-58		3.50	<0.001	0.0005	0.001	0.07	1.54	1.7	90	0.33	0.02	0.01	<0.02	35.40	1.1	15
RC003 58-60		3.42	0.003	<0.0005	0.001	0.07	1.37	2.0	80	0.31	0.01	0.01	<0.02	29.10	0.9	12
RC003 60-62		3.51	<0.001	<0.0005	0.001	0.08	0.64	1.1	60	0.18	0.01	0.01	<0.02	17.60	0.6	8
RC003 62-64		3.84	<0.001	<0.0005	0.001	0.08	0.84	1.1	50	0.22	0.01	0.01	<0.02	24.90	0.6	8
RC003 64-66		2.98	<0.001	<0.0005	0.001	0.06	0.49	1.2	10	0.14	0.01	0.01	<0.02	11.20	0.6	8
RC003 66-68		3.69	0.002	<0.0005	0.001	0.07	0.55	1.2	10	0.16	0.01	0.01	<0.02	11.40	0.7	10
RC003 68-70		3.46	<0.001	<0.0005	0.001	0.06	0.95	1.3	60	0.23	0.01	0.01	<0.02	18.35	0.6	7
RC003 70-72		3.46	0.002	<0.0005	0.001	0.05	1.19	1.0	70	0.27	<0.01	0.01	<0.02	29.90	0.7	9
RC003 72-74		3.37	<0.001	<0.0005	0.001	0.04	0.62	1.2	20	0.14	<0.01	0.01	<0.02	17.15	0.8	10
RC003 74-76		3.74	<0.001	<0.0005	0.001	0.06	0.57	1.4	20	0.15	<0.01	0.01	<0.02	17.95	0.6	8
RC003 76-78		3.63	0.060	<0.0005	0.001	0.05	0.30	0.7	10	0.11	<0.01	0.01	<0.02	11.25	0.5	7
RC003 78-80		2.31	0.003	<0.0005	0.001	0.05	2.18	1.6	130	0.41	0.01	0.01	<0.02	55.20	0.9	15
RC003 80-82		2.23	0.001	<0.0005	0.001	0.04	1.43	1.7	70	0.31	0.01	0.01	<0.02	45.40	1.0	13
RC003 82-84		2.42	<0.001	<0.0005	0.001	0.04	0.93	1.5	30	0.19	<0.01	0.01	<0.02	24.80	0.7	9
RC003 84-86		2.37	<0.001	<0.0005	0.001	0.04	0.93	1.3	50	0.16	<0.01	0.01	<0.02	31.70	0.7	8
RC003 86-88		2.60	<0.001	<0.0005	0.001	0.03	0.85	0.9	40	0.18	<0.01	0.02	<0.02	25.90	0.6	8
RC003 88-90		2.66	<0.001	<0.0005	0.001	0.03	0.86	1.0	90	0.18	0.14	0.01	0.12	27.60	0.9	9
RC003 90-92		2.31	0.001	<0.0005	0.001	0.04	1.85	1.3	100	0.40	0.03	0.02	0.04	52.90	0.8	11
RC003 92-94		2.66	<0.001	<0.0005	0.001	0.04	1.44	1.4	70	0.28	0.02	0.03	<0.02	33.50	0.7	8
RC003 94-96		2.68	<0.001	<0.0005	0.001	0.04	1.91	0.9	110	0.28	0.01	0.02	<0.02	52.30	0.8	11
RC003 96-98		2.58	<0.001	<0.0005	0.001	0.01	5.48	1.6	270	1.43	0.05	0.04	<0.02	105.50	3.5	37
RC003 98-100		2.91	<0.001	<0.0005	0.001	0.02	1.10	1.1	50	0.26	0.01	0.02	<0.02	28.20	1.1	10
RC003 100-102		2.36	<0.001	<0.0005	0.001	0.03	0.72	1.1	20	0.18	0.01	0.01	<0.02	20.10	0.9	8
RC003 102-104		2.57	<0.001	<0.0005	0.001	0.03	0.62	1.1	30	0.15	0.01	0.01	<0.02	23.20	0.9	8
RC003 104-106		2.67	<0.001	<0.0005	0.001	0.03	0.85	1.3	40	0.16	<0.01	0.01	<0.02	26.80	1.0	9
RC003 106-108		2.56	<0.001	<0.0005	0.001	0.03	3.82	1.9	160	1.27	0.04	0.06	<0.02	79.70	1.8	23
RC003 108-110		2.65	<0.001	<0.0005	0.001	0.01	2.11	1.2	100	0.52	0.01	0.04	<0.02	63.70	6.2	12
RC003 110-112		2.60	0.001	<0.0005	0.001	0.02	0.77	1.1	40	0.19	0.01	0.03	<0.02	27.80	0.9	7
RC003 112-114		2.54	<0.001	<0.0005	0.001	0.02	0.99	1.4	40	0.22	0.01	0.15	<0.02	37.60	1.2	11

Comments: REE's may not be totally soluble in MS61 method.



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Total # Pages: 5 (A - D)
Finalized Date: 15-NOV-2006
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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
RC003 0-10		2.02	12.5	1.03	8.34	0.12	1.6	0.024	0.29	16.6	19.6	0.15	68	0.55	0.16
RC003 10-20		2.57	11.7	1.27	8.46	0.11	1.4	0.026	0.54	14.8	23.4	0.07	54	0.59	0.15
RC003 20-30		3.38	11.3	1.32	9.66	0.11	1.5	0.034	0.51	15.5	29.1	0.10	79	0.58	0.19
RC003 30-40		4.25	10.4	1.79	11.35	0.12	1.8	0.037	0.62	18.8	34.2	0.14	170	0.62	0.24
RC003 42-44		3.33	10.9	3.80	8.68	0.10	1.7	0.023	0.90	13.7	56.1	0.25	2740	1.10	0.23
RC003 44-46		2.18	7.8	2.01	9.70	0.10	1.8	0.022	0.98	13.4	36.1	0.17	1165	1.55	0.32
RC003 46-48		3.11	12.9	2.36	10.95	0.12	2.1	0.030	1.08	15.5	43.9	0.20	1285	2.30	0.36
RC003 48-50		0.67	7.7	1.32	2.01	0.06	2.3	<0.005	0.36	9.8	7.6	0.04	186	2.41	0.03
RC003 50-52		3.06	5.6	0.56	16.25	0.12	3.3	0.022	1.71	34.8	10.9	0.07	95	2.84	0.06
RC003 52-54		0.93	3.7	0.39	6.02	0.08	2.0	0.009	0.80	17.0	6.1	0.04	56	1.96	0.03
RC003 54-56		0.54	7.6	0.51	2.30	0.07	1.8	0.005	0.38	12.5	10.1	0.03	58	1.86	0.03
RC003 56-58		0.83	6.8	0.96	4.70	0.08	2.3	0.006	0.64	20.4	5.7	0.03	106	2.08	0.03
RC003 58-60		0.56	5.7	0.87	2.94	0.07	2.2	0.005	0.54	13.7	10.5	0.04	97	1.85	0.03
RC003 60-62		0.30	5.2	0.70	1.06	0.06	1.6	<0.005	0.24	8.0	9.3	0.02	73	1.49	0.02
RC003 62-64		0.41	4.4	0.62	1.76	0.06	1.9	<0.005	0.32	11.4	6.1	0.02	61	1.33	0.02
RC003 64-66		0.22	5.7	0.73	0.72	<0.05	1.4	<0.005	0.17	4.9	5.8	0.02	70	1.09	0.01
RC003 66-68		0.24	6.6	1.01	0.81	<0.05	1.6	<0.005	0.19	5.2	6.3	0.03	106	1.62	0.01
RC003 68-70		0.44	4.6	0.71	1.37	0.05	2.3	<0.005	0.37	8.6	11.6	0.04	81	1.40	0.01
RC003 70-72		0.73	4.8	0.76	2.38	0.06	2.2	<0.005	0.47	14.1	10.3	0.03	81	1.24	0.02
RC003 72-74		0.36	7.1	1.28	1.15	0.05	1.8	<0.005	0.25	7.8	6.1	0.02	142	1.60	0.01
RC003 74-76		0.32	5.5	0.87	0.98	0.05	1.6	<0.005	0.22	8.1	6.6	0.02	96	1.21	0.01
RC003 76-78		0.23	4.6	0.70	0.55	0.05	0.9	<0.005	0.11	5.0	5.0	0.01	73	1.18	0.01
RC003 78-80		1.22	5.4	0.72	5.59	0.08	3.6	0.007	0.89	22.6	8.0	0.04	96	2.26	0.03
RC003 80-82		1.03	6.2	1.11	3.51	0.07	2.2	0.005	0.58	17.9	8.5	0.03	200	1.93	0.02
RC003 82-84		0.55	4.9	0.68	1.60	0.06	1.6	<0.005	0.36	11.1	7.4	0.03	70	1.17	0.01
RC003 84-86		0.62	4.5	0.76	1.92	0.07	1.9	<0.005	0.37	14.1	7.1	0.02	79	1.63	0.02
RC003 86-88		0.53	3.8	0.58	1.51	0.07	1.4	<0.005	0.33	11.2	5.5	0.02	59	0.91	0.02
RC003 88-90		0.63	5.3	0.96	1.84	0.07	1.4	<0.005	0.32	12.2	5.0	0.02	131	1.68	0.02
RC003 90-92		0.93	5.0	0.96	3.67	0.09	2.6	<0.005	0.73	20.3	9.6	0.05	160	1.21	0.03
RC003 92-94		1.04	4.7	0.80	2.77	0.07	2.5	<0.005	0.55	15.0	12.3	0.06	78	1.26	0.02
RC003 94-96		1.42	6.2	0.69	4.02	0.09	2.2	<0.005	0.78	19.8	9.9	0.04	80	1.67	0.02
RC003 96-98		4.57	6.6	0.71	17.20	0.16	4.1	0.030	2.62	43.7	21.4	0.10	86	1.22	0.06
RC003 98-100		0.81	6.9	0.68	2.54	0.07	1.6	<0.005	0.44	13.0	10.2	0.03	68	1.28	0.02
RC003 100-102		0.50	8.0	0.80	1.21	0.06	1.4	<0.005	0.27	8.9	8.2	0.03	76	1.07	0.01
RC003 102-104		0.52	5.1	0.82	1.45	0.05	1.3	<0.005	0.24	10.6	7.7	0.02	80	0.95	0.01
RC003 104-106		0.69	6.2	1.16	1.90	0.07	1.9	<0.005	0.34	14.9	8.3	0.02	121	1.09	0.01
RC003 106-108		4.36	8.4	0.62	13.10	0.12	3.1	0.024	1.53	33.2	27.8	0.08	62	1.30	0.05
RC003 108-110		1.63	5.2	0.80	5.04	0.10	4.1	0.006	0.84	31.0	14.9	0.04	82	1.45	0.03
RC003 110-112		0.70	5.2	0.60	1.81	0.07	1.6	<0.005	0.30	12.7	7.1	0.02	60	0.96	0.02
RC003 112-114		0.85	9.4	1.18	2.21	0.08	2.6	<0.005	0.38	17.5	7.3	0.03	133	1.19	0.02

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2
RC003 0-10		12.4	50	9.9	32.1	0.002	0.01	0.32	5.2	<1	1.3	20.7	0.29	<0.05	4.8
RC003 10-20		9.9	70	13.2	44.4	<0.002	0.01	0.42	4.8	1	1.4	18.6	0.22	<0.05	5.2
RC003 20-30		10.7	80	11.5	48.9	0.002	<0.01	0.44	5.5	1	1.6	23.9	0.26	<0.05	5.1
RC003 30-40		13.6	100	12.1	55.6	0.002	<0.01	0.47	6.9	1	1.8	31.8	0.29	<0.05	5.9
RC003 42-44		9.3	260	9.4	47.1	0.002	0.59	2.90	5.0	1	1.3	36.6	0.25	<0.05	4.1
RC003 44-46		9.8	180	10.1	49.4	0.002	0.04	0.48	4.9	1	1.3	36.4	0.27	<0.05	4.1
RC003 46-48		11.4	180	13.2	56.6	<0.002	0.04	0.58	6.0	1	1.7	39.0	0.34	<0.05	5.1
RC003 48-50		4.0	50	3.0	20.8	<0.002	0.03	0.54	0.8	1	0.5	6.8	0.15	<0.05	5.6
RC003 50-52		4.8	80	2.3	121.5	<0.002	0.01	0.46	6.7	1	1.7	29.0	0.46	<0.05	12.5
RC003 52-54		2.0	60	1.8	34.8	0.003	<0.01	0.41	2.3	<1	0.7	10.4	0.26	<0.05	7.3
RC003 54-56		3.0	50	2.9	16.3	0.002	0.01	0.35	0.7	<1	0.4	7.2	0.11	<0.05	5.2
RC003 56-58		3.6	50	2.5	25.6	0.002	0.01	0.34	1.4	1	0.6	10.6	0.19	<0.05	7.5
RC003 58-60		3.1	60	8.1	22.2	<0.002	0.01	0.34	1.0	<1	0.5	6.5	0.16	<0.05	6.0
RC003 60-62		2.8	50	2.2	10.6	0.002	0.01	0.30	0.4	<1	0.3	3.1	0.09	<0.05	4.0
RC003 62-64		2.2	50	2.6	12.6	0.002	<0.01	0.25	0.5	1	0.4	5.8	0.10	<0.05	5.0
RC003 64-66		2.7	30	1.8	7.3	0.002	<0.01	0.26	0.3	1	0.4	1.9	0.06	<0.05	3.7
RC003 66-68		2.9	30	2.0	8.0	<0.002	<0.01	0.28	0.3	<1	0.4	1.7	0.10	<0.05	4.0
RC003 68-70		2.3	40	135.0	17.4	<0.002	<0.01	0.33	0.6	1	0.4	3.1	0.15	<0.05	5.5
RC003 70-72		2.7	50	3.5	20.1	<0.002	<0.01	0.42	0.8	<1	0.5	8.0	0.17	<0.05	6.0
RC003 72-74		3.4	40	3.0	10.8	0.002	<0.01	0.32	0.4	<1	0.5	3.3	0.11	<0.05	4.8
RC003 74-76		2.8	40	3.2	9.9	0.002	<0.01	0.28	0.3	<1	0.3	2.8	0.09	<0.05	3.8
RC003 76-78		2.3	20	2.4	5.7	<0.002	<0.01	0.33	0.1	<1	0.3	1.6	0.07	<0.05	2.3
RC003 78-80		3.1	70	3.0	38.6	<0.002	<0.01	0.44	2.1	<1	0.9	10.2	0.26	<0.05	10.1
RC003 80-82		3.3	60	2.9	24.3	<0.002	<0.01	0.38	1.0	1	0.7	7.8	0.15	<0.05	6.3
RC003 82-84		2.9	60	2.0	16.0	0.002	<0.01	0.37	0.5	1	0.5	5.0	0.09	<0.05	4.5
RC003 84-86		3.0	60	5.1	14.3	<0.002	<0.01	0.31	0.5	1	0.5	8.1	0.11	<0.05	5.2
RC003 86-88		2.3	80	4.0	12.4	<0.002	<0.01	0.28	0.4	<1	0.4	6.2	0.08	<0.05	4.1
RC003 88-90		2.8	60	9.4	12.4	<0.002	<0.01	0.44	0.4	<1	0.5	8.0	0.08	<0.05	3.5
RC003 90-92		2.7	90	4.1	30.5	<0.002	<0.01	0.38	1.2	1	0.6	9.2	0.20	<0.05	8.0
RC003 92-94		3.2	120	7.3	23.7	<0.002	<0.01	0.35	0.7	1	0.6	8.6	0.15	<0.05	6.4
RC003 94-96		3.1	130	10.1	31.6	<0.002	<0.01	0.35	0.9	<1	0.7	12.0	0.13	<0.05	6.7
RC003 96-98		9.2	170	5.8	130.0	0.002	<0.01	0.74	7.0	1	2.2	20.3	0.46	<0.05	16.1
RC003 98-100		3.6	70	2.7	18.6	<0.002	<0.01	0.29	0.9	1	0.5	4.6	0.10	<0.05	5.1
RC003 100-102		2.8	60	3.1	11.7	0.002	<0.01	0.26	0.4	1	0.5	3.0	0.08	<0.05	3.7
RC003 102-104		2.6	60	2.8	9.6	<0.002	<0.01	0.23	0.4	<1	0.4	4.4	0.07	<0.05	4.2
RC003 104-106		3.1	70	4.2	14.3	0.002	<0.01	0.30	0.5	<1	0.5	5.9	0.10	<0.05	5.4
RC003 106-108		5.5	160	3.6	104.0	<0.002	<0.01	0.75	5.2	1	1.9	12.6	0.40	<0.05	12.7
RC003 108-110		3.1	140	4.0	36.4	0.003	<0.01	0.42	1.6	1	0.8	9.3	0.29	<0.05	14.0
RC003 110-112		2.3	80	3.7	12.8	0.002	<0.01	0.35	0.5	1	0.5	5.2	0.08	<0.05	4.8
RC003 112-114		3.3	100	5.1	15.9	0.002	<0.01	0.47	0.7	1	0.6	6.1	0.16	<0.05	8.2

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ti	U	V	W	Y	Zn	Zr
		ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
RC003 0-10		0.15	0.8	31	3.3	10.1	38	69.3
RC003 10-20		0.21	1.1	32	2.4	8.0	61	55.9
RC003 20-30		0.23	1.0	34	1.1	11.2	30	52.5
RC003 30-40		0.27	1.1	43	1.6	14.1	106	77.3
RC003 42-44		0.30	0.9	29	3.2	9.0	123	62.0
RC003 44-46		0.24	1.2	30	2.6	8.5	48	79.2
RC003 46-48		0.29	1.4	34	3.1	10.1	86	82.2
RC003 48-50		0.12	0.8	6	2.4	2.6	22	85.0
RC003 50-52		0.38	2.0	31	3.3	7.9	8	123.0
RC003 52-54		0.53	1.1	14	2.5	4.5	7	69.1
RC003 54-56		0.29	0.9	5	2.2	2.4	40	53.3
RC003 56-58		0.27	1.1	11	2.6	4.2	31	77.7
RC003 58-60		0.28	1.0	8	2.1	2.9	18	75.4
RC003 60-62		0.15	0.9	4	1.7	1.8	15	53.0
RC003 62-64		0.13	0.8	5	1.6	2.0	12	55.1
RC003 64-66		0.08	0.9	3	1.7	1.3	8	47.0
RC003 66-68		0.07	0.9	3	2.2	1.4	12	53.4
RC003 68-70		0.12	0.9	4	1.9	2.4	12	77.0
RC003 70-72		0.12	0.9	6	1.8	3.4	9	73.5
RC003 72-74		0.07	0.8	4	1.8	1.8	20	62.3
RC003 74-76		0.07	0.7	3	1.5	1.9	9	52.7
RC003 76-78		0.04	0.6	2	1.9	1.3	7	29.4
RC003 78-80		0.17	1.8	15	2.4	5.3	9	123.5
RC003 80-82		0.13	1.1	8	2.2	4.0	8	78.1
RC003 82-84		0.09	0.8	5	1.7	2.0	7	54.6
RC003 84-86		0.08	0.8	4	2.4	2.6	13	64.2
RC003 86-88		0.07	0.7	4	1.3	1.7	6	46.9
RC003 88-90		0.07	0.6	5	2.0	1.8	6	46.0
RC003 90-92		0.14	1.2	10	2.5	4.4	8	89.4
RC003 92-94		0.12	1.2	6	1.8	3.4	7	89.9
RC003 94-96		0.15	1.0	6	1.3	3.1	7	63.6
RC003 96-98		0.44	2.3	43	2.4	10.7	14	156.5
RC003 98-100		0.13	1.0	7	1.8	3.9	7	53.4
RC003 100-102		0.08	0.8	4	1.7	1.9	6	47.6
RC003 102-104		0.06	0.7	3	4.6	2.0	25	44.3
RC003 104-106		0.07	0.9	4	2.3	2.4	8	62.9
RC003 106-108		0.37	2.2	26	2.6	8.8	11	121.0
RC003 108-110		0.24	1.7	12	99.2	6.3	11	139.5
RC003 110-112		0.10	0.7	4	2.8	2.1	7	54.1
RC003 112-114		0.10	1.0	6	5.1	3.7	10	88.5

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PGM-MS23 Au ppm 0.001	PGM-MS23 Pt ppm 0.0005	PGM-MS23 Pd ppm 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
RC003 114-116		2.86	0.002	0.0070	0.017	0.16	7.56	4.2	70	0.54	0.02	8.08	0.13	19.00	42.9	147
RC003 116-118		3.00	0.003	0.0090	0.022	0.17	8.04	6.8	120	0.50	0.03	7.93	0.12	18.45	44.1	110
RC003 118-120		3.16	0.003	0.0075	0.018	0.15	8.05	2.0	110	0.44	0.03	7.63	0.11	18.95	44.4	97
RC003 120-122		3.04	0.003	0.0095	0.022	0.18	7.90	3.0	110	0.48	0.03	7.45	0.12	19.45	42.3	96
RC003 122-124		4.21	0.004	0.0082	0.018	0.17	8.02	1.6	80	0.44	0.03	7.62	0.12	17.25	42.4	84
RC003 124-126		3.35	0.004	0.0084	0.020	0.13	7.98	7.3	90	0.45	0.07	7.16	0.09	16.45	43.3	83
RC003 126-128		3.97	0.005	0.0157	0.030	0.16	8.49	7.4	150	0.66	0.32	6.91	0.13	26.30	39.6	79
RC003 128-130		4.58	0.057	0.137	0.297	0.98	6.47	91.5	440	2.51	9.06	2.79	0.74	92.60	39.1	24
RC003 130-132		2.95	0.007	0.0090	0.025	1.27	6.53	98.5	550	3.14	10.70	2.04	1.11	125.50	52.7	22
RC003 132-134		4.19	0.017	0.0184	0.056	1.05	6.74	112.0	350	3.21	3.99	1.64	0.67	122.50	65.1	23
RC003 134-136		3.22	0.014	0.0155	0.037	0.46	6.70	44.4	730	3.59	0.98	0.98	0.54	99.10	22.2	13
RC003 136-138		3.98	0.018	0.0271	0.055	0.43	7.12	52.0	710	3.50	1.31	0.97	0.55	87.80	27.8	14
RC003 138-140		3.35	0.005	0.0046	0.018	0.22	4.06	24.2	380	1.76	0.60	0.45	0.19	46.00	13.8	21
RC003 140-142		3.08	0.008	0.0114	0.027	0.31	5.44	33.8	470	2.65	0.97	0.57	0.25	69.90	21.6	20
RC003 142-144		2.96	0.027	0.0235	0.071	0.64	6.46	29.5	580	3.98	1.32	0.94	0.26	110.50	33.1	11
RC003 144-146		2.93	0.016	0.0087	0.039	0.51	7.21	684.0	270	7.19	1.77	1.25	0.15	80.30	23.6	8
RC003 146-148		3.59	0.002	0.0019	0.006	0.14	7.12	39.7	180	8.43	0.73	0.65	0.07	60.70	3.1	4
RC003 148-150		3.89	0.003	0.0010	0.003	0.37	6.92	28.7	190	7.71	1.11	0.60	0.04	66.10	2.1	4
RC003 150-152		2.85	0.002	0.0008	0.002	0.20	4.52	16.2	210	4.65	0.39	0.38	0.06	50.50	2.7	11
RC003 152-154		3.72	0.001	<0.0005	0.001	0.17	7.17	8.5	270	8.25	0.18	0.61	0.04	71.20	2.0	5
RC003 154-156		2.72	0.001	<0.0005	0.001	0.15	6.96	9.2	280	6.99	0.24	0.71	0.09	72.90	3.0	5
RC003 156-158		2.86	0.001	<0.0005	0.001	0.15	7.04	13.3	320	8.34	0.69	0.88	0.09	74.80	24.5	6
RC003 158-160		2.35	0.001	0.0006	0.001	0.20	7.01	14.5	400	6.52	1.32	1.18	0.18	79.60	6.0	10
RC003 160-162		2.36	0.001	0.0012	0.003	0.15	5.96	21.0	360	5.74	0.68	1.21	0.14	72.70	6.2	14
RC003 162-164		2.67	0.001	0.0010	0.002	0.08	3.18	10.2	290	2.00	0.27	0.73	0.07	46.60	4.9	11
RC003 164-166		2.02	0.001	0.0008	0.002	0.12	4.44	10.5	350	2.36	0.31	1.08	0.10	62.70	8.3	12
RC003 166-168		2.80	0.001	0.0005	0.002	0.15	5.02	10.2	400	2.63	0.47	1.32	0.12	68.70	7.1	9
RC003 168-170		1.91	0.002	0.0005	0.001	0.22	6.50	9.8	440	3.24	0.44	2.03	0.14	98.20	9.6	7
RC003 170-172		3.48	0.001	<0.0005	0.001	0.22	6.10	8.1	450	2.50	0.52	1.90	0.11	84.60	8.4	8
RC003 172-174		2.63	0.001	0.0006	0.001	0.18	5.82	6.2	480	2.76	0.34	1.90	0.15	82.10	9.0	8
RC003 174-176		2.83	0.001	<0.0005	0.001	0.23	6.51	6.1	490	3.14	0.25	2.60	0.24	100.50	11.0	4
RC003 176-178		2.45	0.001	<0.0005	0.001	0.26	6.02	6.3	490	2.63	0.37	2.25	0.23	89.00	10.1	5
RC003 178-180		2.33	<0.001	<0.0005	0.001	0.21	6.27	4.2	470	2.48	0.46	2.18	0.17	80.90	8.9	6
RC003 180-182		3.24	<0.001	<0.0005	0.001	0.24	6.45	7.5	440	2.78	0.27	2.29	0.18	95.50	9.5	5
RC003 182-184		3.17	0.001	<0.0005	0.001	0.21	6.07	9.0	420	2.49	0.26	2.10	0.15	83.00	8.2	6
RC003 184-186		2.21	0.001	<0.0005	0.001	0.17	5.70	8.9	400	2.48	0.23	1.81	0.12	87.30	11.4	8
RC003 186-188		3.60	0.003	0.0005	0.001	0.17	6.02	7.9	440	2.48	0.19	2.10	0.11	83.60	8.9	11
RC003 188-190		3.31	0.002	0.0005	0.001	0.15	5.99	7.5	450	2.43	0.14	2.03	0.11	77.40	9.8	13
RC003 190-192		2.38	0.001	<0.0005	0.001	0.16	6.49	4.3	490	2.20	0.13	2.45	0.13	72.80	14.1	11
RC004 0-10		2.28	0.001	<0.0005	0.001	0.08	2.57	2.5	110	0.72	0.11	0.02	0.04	29.60	3.4	16

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
RC003 114-116		4.29	175.5	8.88	18.35	0.20	1.7	0.084	0.23	8.1	13.9	4.08	1535	0.95	1.32
RC003 116-118		3.05	180.0	9.27	20.00	0.19	1.9	0.095	0.27	7.8	18.7	4.38	1560	0.99	1.45
RC003 118-120		3.36	201.0	9.12	20.30	0.18	2.3	0.087	0.29	8.0	24.5	4.21	1460	0.80	1.51
RC003 120-122		4.54	179.0	8.96	19.85	0.18	2.1	0.080	0.33	8.3	21.8	3.93	1440	1.33	1.48
RC003 122-124		4.28	189.5	9.01	20.50	0.21	2.1	0.081	0.23	7.6	16.8	3.87	1400	0.89	1.48
RC003 124-126		5.70	177.5	8.52	20.80	0.19	2.5	0.082	0.39	7.3	25.0	3.72	1355	1.00	1.54
RC003 126-128		8.27	218.0	8.28	21.40	0.18	3.0	0.092	0.77	12.9	34.3	3.55	1420	1.44	1.87
RC003 128-130		7.58	943.0	4.85	27.90	0.26	6.4	0.127	1.94	50.6	40.4	0.88	693	6.56	1.16
RC003 130-132		10.35	1120.0	5.44	26.60	0.31	7.9	0.135	2.53	69.7	52.1	0.59	668	15.40	1.12
RC003 132-134		9.49	868.0	6.02	25.70	0.28	7.7	0.127	2.93	66.1	47.9	0.48	650	25.50	1.11
RC003 134-136		7.95	243.0	4.22	24.00	0.24	7.0	0.125	3.82	53.1	42.1	0.47	621	11.05	1.01
RC003 136-138		6.93	469.0	5.65	25.20	0.25	7.9	0.125	3.79	47.6	50.0	0.50	784	12.65	1.28
RC003 138-140		4.29	176.0	2.96	12.70	0.14	3.7	0.056	1.72	24.4	29.0	0.26	406	5.89	0.61
RC003 140-142		5.19	312.0	3.52	17.75	0.19	5.4	0.124	2.45	37.7	38.5	0.27	466	9.34	1.00
RC003 142-144		7.11	550.0	4.86	24.20	0.28	7.1	0.262	3.31	59.0	46.9	0.35	608	16.45	1.28
RC003 144-146		11.95	432.0	3.83	27.30	0.23	4.9	0.222	3.55	41.3	46.3	0.21	558	11.90	1.59
RC003 146-148		9.96	33.3	1.84	26.10	0.16	3.7	0.070	3.15	30.0	37.0	0.18	313	2.41	2.45
RC003 148-150		9.32	17.0	1.71	24.80	0.18	3.9	0.065	3.11	33.3	33.6	0.16	292	1.39	2.32
RC003 150-152		8.51	13.1	1.42	16.75	0.14	3.0	0.053	2.46	25.3	26.7	0.07	240	2.31	1.15
RC003 152-154		12.20	12.6	2.15	26.60	0.19	4.6	0.094	4.21	35.3	40.0	0.10	370	1.29	2.06
RC003 154-156		8.05	18.8	2.47	26.70	0.20	6.1	0.113	3.79	36.4	36.8	0.12	433	1.27	2.06
RC003 156-158		9.91	19.3	3.34	27.20	0.23	7.1	0.130	3.66	36.9	43.0	0.15	659	3.49	2.19
RC003 158-160		6.61	38.7	4.25	27.30	0.23	8.2	0.245	3.42	39.6	35.6	0.19	732	2.94	2.14
RC003 160-162		6.23	37.7	3.86	23.00	0.23	6.9	0.225	2.79	36.2	34.2	0.19	653	2.28	1.66
RC003 162-164		2.37	27.2	2.39	12.85	0.16	4.1	0.115	1.40	23.4	21.8	0.11	384	1.50	0.75
RC003 164-166		2.76	38.5	3.65	16.85	0.19	5.8	0.155	1.66	32.1	26.3	0.15	574	1.69	1.09
RC003 166-168		2.68	41.2	4.00	20.20	0.22	6.7	0.181	1.91	34.8	27.2	0.15	633	1.38	1.35
RC003 168-170		2.83	67.9	5.98	28.50	0.30	10.0	0.278	2.63	48.8	35.2	0.22	922	3.08	1.86
RC003 170-172		2.66	59.9	4.85	24.90	0.26	8.4	0.181	2.31	42.6	27.5	0.17	758	1.46	1.70
RC003 172-174		2.73	50.5	5.00	24.60	0.25	7.6	0.128	2.24	41.6	28.5	0.20	832	1.52	1.64
RC003 174-176		2.52	69.3	6.36	28.00	0.28	10.1	0.162	2.49	51.0	27.7	0.29	1110	3.10	1.77
RC003 176-178		2.21	66.9	5.46	25.80	0.27	8.8	0.135	2.34	45.2	26.8	0.22	976	2.01	1.69
RC003 178-180		2.42	60.1	5.30	25.60	0.26	8.7	0.126	2.42	40.4	21.9	0.19	945	1.46	1.88
RC003 180-182		2.56	64.4	6.44	27.80	0.31	9.4	0.151	2.36	47.4	23.7	0.20	1035	2.06	1.92
RC003 182-184		2.61	60.2	5.52	26.60	0.25	8.4	0.137	2.21	40.3	22.7	0.17	940	1.42	1.81
RC003 184-186		2.91	58.5	5.22	25.10	0.25	8.2	0.134	2.10	43.7	24.5	0.18	881	1.59	1.59
RC003 186-188		2.53	65.3	5.84	24.70	0.26	7.8	0.129	2.13	41.8	23.3	0.19	993	2.03	1.74
RC003 188-190		2.78	59.9	5.88	23.30	0.23	7.4	0.119	2.08	38.6	24.2	0.23	986	1.68	1.62
RC003 190-192		2.78	48.6	7.29	23.00	0.24	6.7	0.112	2.00	37.2	27.0	0.40	1210	1.46	1.51
RC004 0-10		1.58	7.2	1.03	6.41	0.08	1.5	0.021	0.20	14.0	14.2	0.07	84	0.35	0.10

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2
															0.005
RC003 114-116		90.4	520	3.0	11.5	0.003	0.03	0.68	47.0	1	1.4	164.5	0.31	<0.05	1.5
RC003 116-118		85.8	520	2.8	15.3	0.002	0.03	0.72	47.6	1	1.7	177.0	0.32	<0.05	1.3
RC003 118-120		81.7	540	2.2	18.4	0.003	0.04	0.29	47.9	1	1.3	174.5	0.35	<0.05	1.2
RC003 120-122		79.0	500	2.2	19.9	0.003	0.04	0.47	45.3	1	1.4	177.5	0.33	<0.05	1.4
RC003 122-124		78.4	500	1.8	13.1	0.002	0.04	0.20	42.9	1	1.2	186.0	0.50	<0.05	1.5
RC003 124-126		79.0	470	2.4	27.8	0.003	0.03	0.58	43.6	1	1.9	180.0	0.46	<0.05	1.2
RC003 126-128		87.9	500	10.4	61.8	0.003	0.04	0.91	40.9	1	2.9	198.0	0.48	<0.05	3.3
RC003 128-130		536.0	510	56.2	146.0	0.016	0.69	1.81	18.4	2	9.0	126.0	1.02	0.42	15.0
RC003 130-132		480.0	540	63.9	190.0	0.015	1.49	1.96	16.8	3	6.2	91.4	1.31	0.49	18.4
RC003 132-134		470.0	620	68.9	224.0	0.015	2.04	1.81	15.1	4	7.0	74.3	1.33	0.51	19.7
RC003 134-136		112.0	590	60.2	299.0	0.006	0.72	0.78	13.4	2	8.2	39.3	1.37	0.17	21.7
RC003 136-138		128.0	640	55.8	309.0	0.008	1.24	0.99	13.5	3	9.5	38.0	1.42	0.19	21.4
RC003 138-140		65.3	280	27.5	136.5	0.004	0.42	0.66	7.1	1	3.7	27.4	0.65	0.11	10.4
RC003 140-142		98.1	410	40.5	206.0	0.006	0.74	0.89	9.5	2	7.1	33.3	0.96	0.18	15.2
RC003 142-144		153.5	570	48.4	297.0	0.009	1.17	1.75	13.0	3	10.1	44.2	1.31	0.25	21.0
RC003 144-146		116.5	570	54.9	409.0	0.008	0.23	1.86	7.6	2	11.4	35.7	2.10	0.26	20.8
RC003 146-148		10.4	540	30.1	410.0	0.006	0.04	0.42	5.0	1	10.2	24.6	2.37	0.05	20.8
RC003 148-150		6.2	510	27.4	389.0	0.002	0.03	0.45	4.6	1	10.0	24.2	2.37	<0.05	22.0
RC003 150-152		6.7	330	34.1	302.0	0.003	0.02	0.42	3.5	1	6.9	29.5	1.51	<0.05	16.5
RC003 152-154		3.7	580	48.4	500.0	0.002	0.01	0.45	5.4	1	11.8	43.6	2.21	<0.05	24.1
RC003 154-156		3.8	550	50.6	430.0	0.003	0.01	0.38	6.6	1	9.1	42.8	2.06	<0.05	22.7
RC003 156-158		3.4	590	44.7	409.0	0.009	0.01	0.54	7.9	1	8.0	59.9	2.28	<0.05	21.3
RC003 158-160		4.6	690	38.5	344.0	0.004	0.03	0.63	10.5	1	8.7	66.1	2.07	<0.05	19.2
RC003 160-162		7.5	640	30.2	261.0	0.003	0.02	0.69	9.4	1	8.2	70.6	1.72	<0.05	18.8
RC003 162-164		5.5	370	18.8	112.0	0.003	0.03	0.48	6.3	1	4.7	44.6	0.74	<0.05	9.5
RC003 164-166		5.5	510	26.2	128.5	0.003	0.03	0.53	8.3	1	5.9	63.3	0.93	<0.05	11.8
RC003 166-168		3.6	600	27.2	149.0	0.002	0.02	0.53	9.0	1	7.1	76.7	1.09	<0.05	12.1
RC003 168-170		3.2	890	27.5	194.0	0.003	0.02	0.75	15.3	2	11.1	106.5	1.54	<0.05	16.3
RC003 170-172		4.0	770	31.4	178.5	0.003	0.03	0.65	11.5	2	9.1	103.0	1.29	<0.05	13.8
RC003 172-174		3.3	720	23.5	175.0	0.003	0.02	0.60	13.5	2	8.9	96.8	1.29	<0.05	13.6
RC003 174-176		1.9	880	30.8	195.5	0.003	0.03	0.81	21.4	2	12.9	115.5	1.31	<0.05	16.5
RC003 176-178		2.0	770	48.6	179.0	0.003	0.03	0.81	17.1	2	9.7	110.5	1.26	<0.05	14.2
RC003 178-180		2.0	740	27.8	178.5	0.003	0.03	0.67	13.4	1	9.3	113.0	1.27	<0.05	12.6
RC003 180-182		2.4	910	18.2	174.0	0.003	0.03	0.70	15.0	2	9.0	107.0	1.49	<0.05	14.6
RC003 182-184		1.9	810	18.5	164.0	0.003	0.03	0.70	12.6	1	8.2	107.0	1.44	<0.05	12.8
RC003 184-186		3.3	720	16.3	165.0	0.003	0.04	0.71	13.1	1	7.8	96.6	1.35	<0.05	13.0
RC003 186-188		3.8	790	15.0	150.5	0.003	0.04	0.68	13.2	1	7.5	104.5	1.29	<0.05	12.5
RC003 188-190		3.4	880	18.7	140.5	0.003	0.03	0.65	13.6	1	7.2	102.0	1.22	<0.05	11.6
RC003 190-192		3.9	1100	29.0	131.5	0.002	0.03	0.71	18.2	1	7.5	109.5	1.24	<0.05	11.8
RC004 0-10		7.0	50	19.1	20.7	<0.002	<0.01	0.27	4.0	<1	1.0	13.0	0.31	<0.05	5.2

Comments: REE's may not be totally soluble in MS61 method.

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Finalized Date: 15-NOV-2006

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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ti	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.1	1	0.1	0.1	2	0.5
RC003 114-116		0.08	0.4	322	1.5	20.7	138	57.2
RC003 116-118		0.09	0.2	348	0.8	22.0	99	61.3
RC003 118-120		0.12	0.2	342	0.5	22.4	101	85.2
RC003 120-122		0.12	0.2	324	6.4	21.5	272	65.4
RC003 122-124		0.10	0.2	325	0.9	23.6	109	59.7
RC003 124-126		0.15	0.2	314	2.0	22.8	112	77.0
RC003 126-128		0.31	0.9	303	2.0	25.2	253	97.1
RC003 128-130		0.99	5.1	85	6.6	45.4	141	199.0
RC003 130-132		1.30	6.6	62	4.8	54.3	147	238.0
RC003 132-134		1.58	9.7	53	7.7	54.1	200	229.0
RC003 134-136		2.44	10.0	39	4.6	52.6	146	204.0
RC003 136-138		2.31	11.0	48	5.6	54.2	177	231.0
RC003 138-140		1.00	3.9	34	3.8	24.4	92	109.5
RC003 140-142		1.47	6.3	36	6.1	37.4	94	165.0
RC003 142-144		2.32	8.9	40	7.2	50.8	100	209.0
RC003 144-146		2.64	13.5	22	6.9	35.4	105	145.5
RC003 146-148		2.26	14.1	6	5.5	31.3	56	97.2
RC003 148-150		2.19	14.5	5	4.6	33.6	48	104.5
RC003 150-152		2.03	9.5	8	6.6	25.7	67	84.0
RC003 152-154		3.77	11.9	6	6.2	37.2	74	133.5
RC003 154-156		3.17	9.5	8	6.8	39.8	79	183.0
RC003 156-158		2.94	12.2	11	402.0	48.2	180	211.0
RC003 158-160		2.25	10.5	12	7.2	58.4	155	249.0
RC003 160-162		1.81	9.2	15	6.5	50.2	136	213.0
RC003 162-164		0.80	3.5	12	2.8	27.9	80	126.5
RC003 164-166		0.85	4.5	13	36.7	37.7	108	181.5
RC003 166-168		0.91	4.7	10	2.9	45.2	136	209.0
RC003 168-170		1.20	6.1	13	4.2	73.0	262	324.0
RC003 170-172		1.06	5.4	11	3.3	58.4	140	266.0
RC003 172-174		1.12	5.1	17	8.3	56.1	163	234.0
RC003 174-176		1.20	5.3	27	4.7	71.2	311	323.0
RC003 176-178		1.09	4.6	21	4.0	61.3	244	281.0
RC003 178-180		1.06	4.7	16	7.5	59.0	179	280.0
RC003 180-182		1.01	5.2	9	8.6	71.5	202	283.0
RC003 182-184		0.96	4.9	10	4.3	61.5	279	261.0
RC003 184-186		0.91	5.0	12	44.5	61.3	115	252.0
RC003 186-188		0.83	4.3	12	4.9	59.9	133	248.0
RC003 188-190		0.78	4.3	16	7.8	54.0	119	240.0
RC003 190-192		0.76	4.4	40	3.7	49.6	138	220.0
RC004 0-10		0.27	1.0	28	2.6	6.1	23	48.1

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	WEI-21 Recd Wt. kg 0.02	PGM-MS23 Au ppm 0.001	PGM-MS23 Pt ppm 0.0005	PGM-MS23 Pd ppm 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
RC004 10-20		2.51	0.001	<0.0005	0.001	0.18	4.58	6.1	240	1.44	0.20	0.22	0.05	50.30	9.7	32
RC004 20-24		1.17	0.001	0.0006	0.001	0.14	4.22	5.8	240	1.34	0.17	0.08	0.03	47.40	10.3	33
RC004 24-26		0.83	0.017	0.0096	0.005	0.51	6.68	61.8	490	1.47	0.11	2.01	0.31	54.30	82.6	4
RC004 26-28		1.04	0.011	0.0084	0.005	0.38	6.79	11.6	180	1.28	0.07	0.48	0.13	44.50	46.5	2
RC004 28-30		1.72	0.029	0.0074	0.005	0.53	6.60	7.3	210	1.27	0.06	0.48	0.13	44.90	67.8	1
RC004 30-32		1.20	0.028	0.0265	0.011	0.38	6.00	12.0	200	0.94	0.06	1.31	0.14	38.20	56.2	1
RC004 32-34		1.76	0.017	0.0116	0.005	0.40	5.68	8.4	190	0.86	0.06	2.82	0.16	34.10	54.7	1
RC004 34-36		1.99	0.025	0.0109	0.005	0.41	5.97	6.5	200	0.85	0.05	3.46	0.17	33.00	59.1	1
RC004 36-38		1.93	0.015	0.0083	0.004	0.38	6.32	8.8	160	0.87	0.05	3.52	0.16	33.60	58.8	1
RC004 38-40		2.46	0.027	0.0132	0.006	0.42	6.31	7.6	210	0.88	0.06	4.31	0.17	31.10	61.8	1
RC004 40-42		2.30	0.034	0.0131	0.007	0.39	6.18	9.5	360	0.79	0.05	3.26	0.12	29.40	56.0	2
RC004 42-44		2.62	0.027	0.0129	0.007	0.38	6.16	4.8	260	0.92	0.05	5.44	0.22	33.10	54.7	1
RC004 44-46		2.98	0.023	0.0130	0.005	0.40	6.35	3.9	290	1.30	0.05	6.56	0.19	33.80	56.7	3
RC004 46-48		3.30	0.024	0.0168	0.007	0.39	6.05	3.7	230	1.27	0.06	7.05	0.20	33.00	55.3	2
RC004 48-50		3.56	0.022	0.0166	0.006	0.53	5.82	10.5	190	1.11	0.05	6.08	0.21	31.30	55.3	2
RC004 50-52		3.31	0.030	0.0236	0.006	0.41	6.03	9.2	210	1.38	0.05	6.56	0.20	37.80	53.9	2
RC004 52-54		3.41	0.042	0.0448	0.012	0.49	6.33	7.8	290	1.26	0.05	5.94	0.22	32.90	54.2	2
RC004 54-56		3.53	0.023	0.0208	0.010	0.39	5.90	3.5	310	0.88	0.05	6.03	0.20	35.40	50.6	2
RC004 56-58		3.34	0.033	0.0607	0.180	0.30	5.40	4.3	240	0.92	0.04	6.13	0.21	35.20	56.5	1
RC004 58-60		3.29	0.008	0.0189	0.039	0.32	6.61	8.8	270	1.00	0.04	6.31	0.20	36.60	60.9	1
RC004 60-62		3.77	0.015	0.0135	0.025	0.34	6.75	10.4	210	1.01	0.04	6.32	0.20	33.90	60.2	1
RC004 62-64		3.17	0.005	0.0153	0.033	0.47	6.60	12.6	240	0.90	0.08	6.00	0.17	34.50	58.6	1
RC004 64-66		3.44	0.004	0.0162	0.035	0.31	6.20	5.7	290	0.81	0.05	5.66	0.19	31.30	64.2	2
RC004 66-68		3.11	0.088	0.0408	0.023	0.36	6.10	4.8	280	0.92	0.05	6.33	0.24	34.20	54.9	1
RC004 68-70		2.91	0.052	0.0561	0.036	0.36	6.09	3.4	290	0.91	0.04	5.96	0.25	35.30	51.1	2
RC004 70-72		3.33	0.013	0.0246	0.051	0.26	6.18	6.6	150	0.96	0.06	6.47	0.28	36.20	57.3	1
RC004 72-74		2.99	0.008	0.0090	0.005	0.25	6.18	7.1	80	0.78	0.04	6.12	0.19	31.10	62.3	1
RC004 74-76		3.00	0.007	0.0044	0.006	0.29	6.31	4.5	100	0.90	0.09	6.50	0.23	32.00	60.5	1
RC004 76-78		3.20	0.003	0.0090	0.013	0.44	6.62	5.6	290	0.94	0.06	5.98	0.20	30.40	61.9	1
RC004 78-80		2.50	0.004	0.0031	0.005	0.53	6.93	281.0	270	2.10	0.10	5.29	0.24	36.70	61.5	4
RC004 80-82		2.55	0.011	0.0039	0.007	0.69	6.52	55.3	150	2.34	0.13	4.78	0.25	39.40	53.7	5
RC004 82-84		3.53	0.003	0.0190	0.041	0.33	6.45	6.7	110	0.95	0.05	6.59	0.25	32.40	60.7	5
RC004 84-86		3.97	0.002	0.0189	0.034	0.29	6.56	4.1	80	0.95	0.05	6.16	0.24	32.80	56.8	5
RC004 86-88		3.49	0.004	0.0131	0.033	0.32	6.52	5.8	160	1.12	0.05	5.83	0.20	40.20	58.0	6
RC004 88-90		3.50	0.007	0.0265	0.056	0.23	6.18	4.3	60	0.75	0.07	6.68	0.23	34.60	59.1	7
RC004 90-92		3.60	0.004	0.0164	0.038	0.30	6.77	6.3	130	0.87	0.07	6.25	0.23	40.00	50.4	9
RC004 92-94		3.73	0.002	0.0086	0.020	0.20	6.98	2.5	160	0.60	0.03	6.94	0.15	25.10	44.0	69
RC004 94-96		3.42	0.003	0.0072	0.017	0.18	7.37	1.9	120	0.53	0.03	7.43	0.14	24.20	42.0	88
RC004 96-98		3.42	0.005	0.0077	0.017	0.21	7.56	3.4	190	0.54	0.03	7.46	0.16	22.50	41.5	108
RC004 98-100		3.01	0.006	0.0081	0.018	0.29	7.43	17.0	180	2.01	0.09	6.67	0.10	23.00	38.4	127

Comments: REE's may not be totally soluble in MS61 method.

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Finalized Date: 15-NOV-2006

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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
RC004 10-20		4.09	13.9	2.19	12.25	0.13	2.7	0.041	0.68	21.7	25.5	0.31	320	0.72	0.22
RC004 20-24		4.31	40.1	2.88	11.85	0.15	2.8	0.044	0.76	22.7	24.8	0.28	369	0.88	0.22
RC004 24-26		6.40	978.0	17.35	31.20	0.37	6.8	0.177	0.44	21.7	61.6	0.68	4890	4.77	0.44
RC004 26-28		6.20	1120.0	18.00	32.00	0.34	6.0	0.165	0.51	14.7	46.1	0.91	2440	1.63	0.46
RC004 28-30		5.83	229.0	17.55	30.00	0.53	5.5	0.159	0.62	32.6	37.7	1.01	3110	1.33	0.65
RC004 30-32		3.83	828.0	14.30	27.80	0.29	5.5	0.146	0.57	16.0	18.4	1.12	1975	1.65	1.42
RC004 32-34		2.29	668.0	14.15	25.60	0.28	5.6	0.134	0.50	13.9	14.3	1.37	1990	1.69	1.58
RC004 34-36		2.36	736.0	14.65	25.60	0.29	5.7	0.133	0.59	13.4	17.2	1.71	2100	1.33	1.85
RC004 36-38		2.14	776.0	14.70	26.40	0.29	5.6	0.136	0.57	13.8	20.0	1.72	1955	1.50	1.88
RC004 38-40		3.04	790.0	15.25	25.50	0.29	5.5	0.134	0.57	12.8	23.0	2.10	2040	1.13	1.93
RC004 40-42		3.28	706.0	14.50	24.40	0.27	5.6	0.130	0.65	12.5	27.7	2.06	1685	1.10	2.14
RC004 42-44		2.81	730.0	14.20	26.00	0.28	5.7	0.137	0.51	13.5	28.7	2.66	2060	1.55	1.80
RC004 44-46		2.31	735.0	13.55	25.20	0.26	5.2	0.134	0.46	13.8	32.1	2.71	2640	1.34	1.52
RC004 46-48		2.38	695.0	13.50	23.70	0.26	5.0	0.129	0.37	13.5	36.9	2.62	2940	1.11	1.35
RC004 48-50		2.18	616.0	13.20	23.00	0.25	5.3	0.131	0.38	12.8	25.6	2.66	1990	1.28	1.51
RC004 50-52		2.91	681.0	13.35	23.80	0.25	5.1	0.128	0.48	16.1	40.5	2.69	1995	1.15	1.49
RC004 52-54		2.59	706.0	13.45	24.30	0.27	5.4	0.135	0.48	13.8	33.6	2.71	2010	1.19	1.88
RC004 54-56		3.81	642.0	12.65	24.20	0.25	5.5	0.131	0.54	14.3	25.5	2.61	1910	1.36	1.70
RC004 56-58		2.53	443.0	13.35	23.60	0.26	5.7	0.138	0.47	14.1	28.0	2.84	2020	1.26	1.65
RC004 58-60		4.36	423.0	15.30	28.50	0.27	5.6	0.132	0.54	14.8	29.7	2.47	2010	1.61	1.80
RC004 60-62		2.01	424.0	15.40	28.90	0.27	5.1	0.122	0.37	13.7	28.1	2.41	1955	1.28	1.92
RC004 62-64		3.08	399.0	14.50	29.90	0.26	5.1	0.126	0.40	14.0	30.7	2.34	1880	1.35	1.75
RC004 64-66		1.92	405.0	15.60	26.70	0.27	4.9	0.123	0.38	12.5	31.1	2.35	1970	1.36	1.81
RC004 66-68		2.32	632.0	13.70	23.90	0.26	5.4	0.131	0.53	13.6	33.1	2.68	2000	1.12	1.80
RC004 68-70		1.46	645.0	12.50	23.70	0.25	5.4	0.126	0.44	14.1	27.0	2.56	1910	1.29	1.94
RC004 70-72		1.05	412.0	14.70	26.00	0.25	5.2	0.144	0.25	14.7	28.3	2.58	2070	1.40	1.85
RC004 72-74		1.12	421.0	14.65	26.20	0.26	4.9	0.119	0.18	12.6	31.0	2.33	1910	1.31	1.65
RC004 74-76		1.28	411.0	14.05	27.70	0.27	5.0	0.135	0.21	12.8	36.3	2.29	1890	1.56	1.48
RC004 76-78		2.10	515.0	14.80	27.50	0.27	4.6	0.123	0.40	12.7	35.7	2.54	1915	1.25	1.95
RC004 78-80		6.85	432.0	15.40	29.50	0.28	5.5	0.139	0.53	14.8	62.9	2.35	2140	1.64	1.39
RC004 80-82		3.24	392.0	14.15	28.40	0.27	5.5	0.133	0.37	15.8	69.8	2.25	2000	1.35	1.25
RC004 82-84		1.41	433.0	15.00	28.40	0.24	5.0	0.128	0.24	13.0	30.8	2.51	2040	1.26	1.44
RC004 84-86		0.82	436.0	15.25	26.40	0.23	5.0	0.122	0.23	13.1	31.1	2.47	2080	1.20	1.85
RC004 86-88		2.08	393.0	14.90	26.80	0.26	5.6	0.132	0.36	16.2	28.4	2.48	2100	1.28	1.76
RC004 88-90		1.21	397.0	15.00	25.70	0.23	4.3	0.142	0.12	14.7	21.0	2.50	2080	1.51	1.50
RC004 90-92		1.60	335.0	13.25	23.90	0.21	4.5	0.141	0.28	16.4	24.3	2.46	2000	1.45	1.89
RC004 92-94		3.01	215.0	9.73	20.40	0.18	3.3	0.095	0.42	10.4	33.8	3.47	1530	1.28	1.81
RC004 94-96		1.51	197.5	9.32	20.10	0.15	3.1	0.089	0.27	10.1	36.0	3.64	1475	1.17	1.99
RC004 96-98		1.76	180.5	9.10	19.55	0.15	3.0	0.087	0.37	9.4	33.0	3.77	1495	1.02	2.16
RC004 98-100		3.75	123.5	8.20	19.20	0.19	2.9	0.081	0.62	9.5	50.4	3.65	1385	1.30	2.18

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 0.2	ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.2	% 0.005
RC004 10-20		15.7	110	14.9	51.1	<0.002	<0.01	0.47	7.9	<1	1.6	56.2	0.48	<0.05	7.8	0.236
RC004 20-24		14.4	160	13.9	53.8	<0.002	<0.01	0.51	9.1	<1	1.6	46.3	0.52	<0.05	7.8	0.322
RC004 24-26		34.4	920	8.4	37.6	0.002	0.04	1.42	66.1	2	2.3	80.9	1.07	<0.05	3.6	3.250
RC004 26-28		25.0	1060	5.2	31.6	0.002	0.01	0.35	63.6	2	1.9	67.2	0.93	<0.05	3.2	2.910
RC004 28-30		38.0	1030	4.3	50.7	<0.002	<0.01	0.19	61.8	3	1.7	79.1	0.86	<0.05	3.0	2.640
RC004 30-32		26.4	950	4.0	26.6	0.002	<0.01	0.30	58.4	2	1.6	148.5	0.89	<0.05	2.7	2.740
RC004 32-34		27.1	860	3.6	19.3	0.003	0.01	0.25	56.0	2	1.7	187.0	0.98	<0.05	2.4	3.130
RC004 34-36		27.3	890	3.2	18.8	0.003	<0.01	0.34	56.8	2	1.6	211.0	0.98	<0.05	2.3	3.280
RC004 36-38		27.8	910	3.1	18.2	0.003	<0.01	0.49	58.4	2	1.6	214.0	0.94	<0.05	2.4	3.140
RC004 38-40		29.3	870	3.6	19.7	0.003	<0.01	0.97	59.1	2	1.6	227.0	0.92	<0.05	2.3	3.300
RC004 40-42		26.8	830	3.4	22.7	0.003	<0.01	1.70	55.8	2	1.6	289.0	0.97	<0.05	2.3	3.360
RC004 42-44		27.9	820	3.4	18.9	0.003	0.04	2.71	61.7	2	1.6	229.0	0.94	<0.05	2.4	3.060
RC004 44-46		26.9	930	5.5	18.7	0.004	0.06	2.85	59.0	2	1.5	237.0	0.83	<0.05	2.4	2.660
RC004 46-48		26.0	970	8.8	16.7	0.004	0.07	3.19	57.2	2	1.4	280.0	0.82	<0.05	2.5	2.600
RC004 48-50		26.1	800	3.9	17.4	0.004	0.07	1.60	59.1	2	1.5	172.0	0.80	<0.05	2.4	2.560
RC004 50-52		25.8	950	4.6	20.3	0.004	0.08	1.24	55.7	2	1.5	184.0	0.81	<0.05	2.9	2.510
RC004 52-54		27.3	930	10.9	21.0	0.003	0.08	1.72	58.0	2	1.7	229.0	0.85	<0.05	2.4	2.670
RC004 54-56		25.1	970	4.0	21.1	0.004	0.07	2.40	58.6	2	1.6	241.0	0.83	<0.05	2.5	2.250
RC004 56-58		26.7	1000	3.6	15.5	0.004	0.07	2.28	65.6	2	1.6	209.0	0.84	<0.05	2.5	2.210
RC004 58-60		33.9	1040	4.3	18.8	0.006	0.07	2.05	51.4	2	1.7	235.0	0.82	<0.05	2.5	2.670
RC004 60-62		39.2	970	6.8	12.3	0.005	0.07	2.36	48.7	2	1.6	329.0	0.78	<0.05	2.4	2.760
RC004 62-64		43.6	970	8.4	18.1	0.004	0.05	2.66	47.5	2	1.6	228.0	0.78	<0.05	2.3	2.610
RC004 64-66		46.8	950	5.9	16.4	0.006	0.06	3.40	46.3	2	1.5	295.0	0.77	<0.05	2.2	2.800
RC004 66-68		29.5	1000	12.2	27.1	0.003	0.08	3.14	54.7	2	1.6	274.0	0.81	<0.05	2.4	2.440
RC004 68-70		24.3	1020	7.5	17.4	0.002	0.07	1.80	55.0	2	1.6	291.0	0.83	<0.05	2.4	2.250
RC004 70-72		29.7	1050	10.9	8.7	0.003	0.06	2.31	52.4	2	1.7	256.0	0.76	<0.05	2.4	2.330
RC004 72-74		36.5	930	5.0	6.6	0.005	0.05	1.51	49.1	2	1.4	203.0	0.73	<0.05	2.1	2.670
RC004 74-76		40.6	870	4.9	9.5	0.005	0.05	1.70	50.7	2	1.7	234.0	0.73	<0.05	2.2	2.470
RC004 76-78		43.4	950	7.3	19.7	0.004	0.07	1.50	51.4	2	1.4	294.0	0.65	<0.05	2.2	2.370
RC004 78-80		49.6	1070	10.9	29.5	0.004	0.09	2.36	53.2	2	1.7	213.0	0.82	<0.05	2.5	2.580
RC004 80-82		40.0	1070	9.9	24.8	0.003	0.13	2.14	49.0	2	1.9	186.0	0.82	<0.05	2.8	2.300
RC004 82-84		45.3	940	15.4	9.6	0.004	0.06	1.66	50.6	2	1.6	251.0	0.78	<0.05	2.3	2.680
RC004 84-86		42.2	1020	10.3	7.0	0.006	0.06	1.22	47.7	1	1.6	161.0	0.78	<0.05	2.3	2.670
RC004 86-88		44.5	1180	5.2	14.2	0.006	0.06	1.56	47.9	2	1.8	230.0	0.86	<0.05	2.8	2.410
RC004 88-90		47.1	940	6.6	4.7	0.006	0.06	1.80	46.0	<1	2.0	185.0	0.78	<0.05	2.1	2.600
RC004 90-92		38.2	1160	8.9	12.9	0.004	0.06	1.82	40.8	1	2.3	279.0	0.83	<0.05	2.5	1.955
RC004 92-94		64.0	680	3.0	24.1	0.003	0.04	2.62	43.3	<1	1.4	246.0	0.52	<0.05	1.5	1.110
RC004 94-96		68.0	670	4.4	14.5	0.003	0.04	1.85	42.7	<1	1.3	238.0	0.49	<0.05	1.4	1.050
RC004 96-98		69.1	680	7.4	22.1	0.003	0.03	1.93	43.0	<1	1.4	259.0	0.45	<0.05	1.3	0.988
RC004 98-100		69.9	650	9.8	50.0	0.003	0.02	3.16	42.4	<1	1.4	219.0	0.47	<0.05	1.3	0.990

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ti	U	V	W	Y	Zn
		ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.1	1	0.1	0.1	2
							0.5
RC004 10-20		0.35	1.5	58	8.2	18.3	71
RC004 20-24		0.37	1.3	67	21.8	19.5	124
RC004 24-26		0.31	1.1	563	3.1	48.6	662
RC004 26-28		0.15	0.9	546	2.6	48.1	324
RC004 28-30		0.11	0.9	539	2.3	80.0	327
							186.5
RC004 30-32		0.07	0.6	526	3.4	40.2	225
RC004 32-34		0.07	0.4	479	0.8	32.6	204
RC004 34-36		0.08	0.4	502	0.7	37.2	198
RC004 36-38		0.05	0.4	519	0.8	38.4	269
RC004 38-40		0.05	0.4	547	0.7	35.0	212
							186.0
RC004 40-42		0.09	0.4	507	0.9	33.4	183
RC004 42-44		0.05	0.5	501	0.6	38.1	264
RC004 44-46		0.17	0.5	422	0.8	38.9	199
RC004 46-48		0.13	0.6	438	0.8	38.1	191
RC004 48-50		0.12	0.5	407	2.3	37.3	189
							181.5
RC004 50-52		0.16	0.6	434	1.6	37.6	179
RC004 52-54		0.12	0.5	440	1.1	37.2	172
RC004 54-56		0.14	0.6	355	0.6	40.8	222
RC004 56-58		0.10	0.6	389	0.9	41.9	182
RC004 58-60		0.12	0.6	716	0.6	40.3	217
							191.5
RC004 60-62		0.07	0.6	850	1.4	37.1	256
RC004 62-64		0.11	0.5	875	1.0	38.0	195
RC004 64-66		0.09	0.5	985	0.8	35.3	209
RC004 66-68		0.18	0.6	502	0.7	39.2	188
RC004 68-70		0.11	0.5	349	0.6	40.1	174
							187.0
RC004 70-72		0.02	0.6	583	0.7	40.0	191
RC004 72-74		<0.02	0.5	783	1.0	35.5	229
RC004 74-76		0.02	0.5	745	0.8	36.7	195
RC004 76-78		0.10	0.5	765	0.6	36.6	219
RC004 78-80		0.20	0.6	885	11.6	40.8	307
							185.0
RC004 80-82		0.18	0.6	701	39.0	40.6	233
RC004 82-84		0.05	0.5	856	1.1	37.3	206
RC004 84-86		0.03	0.5	845	0.7	37.4	222
RC004 86-88		0.08	0.6	786	0.8	43.7	208
RC004 88-90		0.12	0.5	870	1.3	31.7	209
							148.5
RC004 90-92		0.19	0.6	552	0.8	35.1	187
RC004 92-94		0.23	0.3	338	0.6	24.9	132
RC004 94-96		0.13	0.3	340	0.7	23.3	127
RC004 96-98		0.20	0.3	333	0.8	22.5	130
RC004 98-100		0.46	0.3	314	4.9	21.9	125
							158.0
							113.0
							109.0
							98.7
							100.0

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PGM-MS23 Au ppm 0.001	PGM-MS23 Pt ppm 0.0005	PGM-MS23 Pd ppm 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
RC004 100-102		3.61	0.002	0.0076	0.017	0.23	7.74	13.4	120	1.28	0.16	7.73	0.11	22.00	41.5	141
RC004 102-104		3.81	0.003	0.0071	0.017	0.34	8.00	10.5	130	0.74	0.09	7.82	0.14	21.40	41.5	161
RC004 104-106		3.30	0.003	0.0085	0.017	0.25	7.74	2.6	210	0.57	0.02	7.73	0.15	21.40	42.4	172
RC004 106-108		4.02	0.005	0.0101	0.018	0.25	7.68	3.4	190	0.59	0.04	7.43	0.14	21.80	42.7	168
RC004 108-110		3.59	0.002	0.0102	0.018	0.24	7.98	3.0	270	0.60	0.03	7.13	0.19	22.80	44.7	156
RC004 110-112		3.94	0.002	0.0103	0.019	0.51	6.68	12.8	170	1.76	0.07	8.66	0.19	21.20	38.1	117
RC004 112-114		3.49	0.002	0.0103	0.018	0.47	7.64	21.3	300	1.81	0.10	5.20	0.26	23.00	46.0	146
RC004 114-116		3.60	0.002	0.0101	0.018	0.19	7.80	2.6	650	0.61	0.02	6.87	0.14	23.10	45.3	141
RC004 116-118		3.74	0.002	0.0104	0.018	0.11	7.10	1.5	400	1.47	0.02	7.02	0.05	22.10	43.3	136
RC004 118-120		3.88	0.007	0.0068	0.005	0.31	5.82	4.4	250	1.16	0.06	5.67	0.23	43.60	47.0	6
RC004 120-122		4.11	0.006	0.0042	0.003	0.31	6.03	4.1	230	1.00	0.06	5.95	0.20	44.40	56.3	4
RC004 122-124		4.48	0.008	0.0048	0.004	0.32	6.17	3.4	270	0.89	0.06	6.08	0.22	40.30	55.0	3
RC004 124-126		4.62	0.009	0.0038	0.003	0.31	6.50	4.4	290	0.91	0.08	6.53	0.24	40.30	57.4	3
RC004 126-128		4.10	0.016	0.0061	0.004	0.31	6.21	2.5	310	0.89	0.07	6.12	0.21	38.60	58.6	2
RC004 128-130		4.01	0.013	0.0042	0.003	0.55	5.89	3.1	270	1.33	0.06	5.65	0.26	36.90	55.5	1
RC004 130-132		4.42	0.009	0.0077	0.004	1.42	5.77	6.5	410	2.26	0.07	4.87	0.24	39.40	49.4	1
RC004 132-134		3.03	0.010	0.0064	0.004	1.48	5.53	8.5	430	2.54	0.09	3.20	0.36	38.40	50.3	2
RC004 134-136		3.54	0.008	0.0154	0.006	2.07	6.87	44.6	40	2.62	0.08	0.42	0.21	45.20	69.7	2
RC004 136-138		4.13	0.009	0.0219	0.008	2.74	5.89	47.5	130	2.18	0.06	0.34	0.20	39.70	62.0	1
RC004 138-140		3.71	0.004	0.0086	0.006	4.39	3.29	46.1	40	1.25	0.22	0.17	5.67	37.50	28.6	13
RC004 140-142		3.53	0.001	0.0006	0.001	0.25	1.65	14.5	50	0.52	0.14	0.05	0.40	28.20	3.7	11
RC004 142-144		3.75	0.001	0.0007	0.001	0.38	0.83	20.8	10	0.28	0.12	0.10	0.64	22.70	4.9	11
RC004 144-146		3.44	0.001	0.0006	0.001	0.38	0.67	22.1	10	0.18	0.32	0.05	0.76	20.00	3.1	11
RC004 146-148		2.97	0.002	0.0006	0.002	0.18	2.24	12.9	80	0.77	0.13	0.09	0.15	34.40	2.6	10
RC004 148-150		1.86	0.002	<0.0005	0.001	0.17	1.55	5.2	30	0.38	0.09	0.07	0.02	25.90	2.2	8
RC004 150-152		2.71	0.001	<0.0005	0.001	0.10	2.13	3.8	40	0.54	0.38	0.05	0.04	38.90	1.9	9
RC004 152-154		3.13	0.001	<0.0005	0.001	0.07	1.89	5.4	40	0.52	0.10	0.08	0.03	34.30	2.2	9
RC004 154-156		2.79	0.001	<0.0005	0.001	0.10	2.06	7.9	40	0.57	0.08	0.08	0.06	38.50	2.4	9
RC004 156-158		2.29	0.002	0.0005	0.001	0.05	3.76	11.3	80	0.91	0.16	0.05	<0.02	68.80	3.4	11
RC004 158-160		3.14	<0.001	<0.0005	0.001	0.06	1.72	4.8	30	0.45	0.12	0.07	<0.02	33.60	3.0	8
RC004 160-162		3.19	<0.001	<0.0005	0.001	0.05	3.39	4.7	70	0.82	0.12	0.06	<0.02	51.10	2.6	10
RC004 162-164		2.71	0.001	<0.0005	0.001	0.10	1.93	18.9	170	0.49	0.12	0.05	<0.02	36.10	4.1	9
RC004 164-166		2.52	<0.001	<0.0005	0.001	0.10	2.20	48.7	40	0.60	0.10	0.05	0.07	35.00	3.9	9
RC004 166-168		2.39	0.001	0.0005	0.001	0.12	2.10	11.8	50	0.63	0.15	0.07	1.39	44.40	3.3	9
RC004 168-170		2.08	<0.001	<0.0005	0.001	0.40	1.95	5.5	50	0.67	1.01	0.06	0.03	41.00	1.1	9
RC004 170-172		2.33	<0.001	<0.0005	0.001	0.20	1.53	17.8	40	0.54	0.12	0.04	0.19	41.80	4.0	10
RC004 172-175		3.42	0.009	0.0042	0.003	0.20	1.76	7.9	50	0.59	0.14	0.07	0.07	43.90	4.2	9

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
RC004 100-102		6.54	140.5	8.92	18.90	0.15	2.7	0.087	0.49	9.1	39.4	3.72	1485	1.13	2.23
RC004 102-104		7.08	169.0	9.28	18.80	0.16	2.6	0.080	0.50	8.8	34.7	3.95	1505	1.38	2.05
RC004 104-106		11.95	170.0	8.96	19.65	0.17	2.8	0.085	0.45	8.8	31.6	3.92	1460	1.16	1.77
RC004 106-108		6.42	174.5	8.82	19.50	0.15	2.8	0.081	0.56	9.0	37.6	3.82	1505	1.15	1.97
RC004 108-110		4.99	193.0	9.18	20.20	0.16	3.1	0.082	0.53	9.4	37.1	4.00	1560	1.07	2.00
RC004 110-112		5.05	148.0	8.00	18.80	0.13	2.5	0.067	0.73	8.7	74.4	3.32	1785	1.38	1.01
RC004 112-114		3.82	194.0	9.30	21.40	0.18	2.9	0.081	0.69	9.5	73.4	3.93	1935	0.89	1.60
RC004 114-116		4.35	186.5	9.21	20.10	0.15	2.9	0.088	0.51	9.5	34.5	4.05	1630	0.85	2.12
RC004 116-118		3.99	183.5	8.80	18.50	0.14	2.8	0.080	0.48	9.2	68.3	3.55	2410	0.61	1.61
RC004 118-120		3.21	657.0	13.60	24.80	0.22	5.7	0.151	0.48	18.2	26.6	2.05	2040	1.46	1.58
RC004 120-122		3.42	761.0	15.00	24.60	0.22	5.8	0.148	0.51	18.6	23.5	2.19	2050	1.52	1.84
RC004 122-124		3.85	709.0	14.95	24.00	0.20	5.4	0.141	0.56	16.7	21.0	2.23	2030	1.54	1.63
RC004 124-126		3.65	778.0	16.10	24.70	0.22	5.5	0.142	0.52	17.0	22.2	2.41	2180	1.62	1.81
RC004 126-128		2.47	785.0	15.55	23.90	0.22	5.3	0.142	0.54	16.2	23.7	2.42	2130	1.59	1.94
RC004 128-130		2.16	738.0	14.40	23.60	0.19	5.0	0.138	0.43	15.3	24.2	2.49	2030	1.33	1.83
RC004 130-132		2.37	726.0	14.30	23.80	0.20	5.3	0.149	0.66	16.4	37.1	3.11	2230	1.35	1.36
RC004 132-134		3.31	726.0	14.65	25.00	0.21	5.2	0.150	0.65	16.1	40.8	3.10	3180	1.35	0.87
RC004 134-136		1.31	848.0	17.75	30.80	0.27	4.5	0.164	0.06	18.7	70.4	2.93	2530	1.84	0.06
RC004 136-138		0.87	795.0	15.30	28.20	0.26	4.3	0.161	0.11	16.2	86.6	2.05	2540	3.83	0.04
RC004 138-140		1.22	448.0	8.22	13.15	0.13	3.9	0.067	0.26	19.0	42.0	0.86	2290	7.41	0.02
RC004 140-142		0.97	26.1	2.84	4.13	0.06	2.0	0.009	0.39	14.3	14.2	0.19	762	2.04	0.04
RC004 142-144		0.33	48.3	2.45	2.95	0.06	1.5	0.009	0.10	12.5	9.9	0.16	601	3.03	0.03
RC004 144-146		0.32	33.2	1.86	2.25	0.06	1.2	0.013	0.10	10.8	7.5	0.11	474	3.39	0.02
RC004 146-148		2.01	14.5	1.27	5.01	0.07	2.2	0.013	0.85	15.6	7.0	0.09	301	1.14	0.03
RC004 148-150		1.02	19.7	1.42	3.49	<0.05	1.0	0.008	0.54	11.0	5.3	0.05	348	0.51	0.03
RC004 150-152		1.53	9.8	0.94	5.03	0.06	1.6	0.010	0.83	16.5	4.9	0.04	175	0.77	0.02
RC004 152-154		1.31	8.6	1.01	4.19	0.06	1.4	0.008	0.70	14.7	5.6	0.04	141	0.74	0.02
RC004 154-156		1.39	8.4	1.23	4.86	0.07	1.5	0.010	0.75	16.7	9.0	0.06	205	0.68	0.03
RC004 156-158		2.39	12.4	1.36	8.51	0.08	2.9	0.018	1.45	29.7	7.7	0.05	142	0.71	0.03
RC004 158-160		1.01	8.9	1.41	4.12	0.07	1.2	0.006	0.58	14.3	12.4	0.04	97	0.71	0.02
RC004 160-162		2.01	11.3	1.28	6.73	0.09	1.7	0.014	1.30	21.3	8.2	0.05	134	0.62	0.03
RC004 162-164		1.10	11.2	1.46	4.65	0.07	1.2	0.008	0.69	14.5	8.0	0.05	189	1.24	0.02
RC004 164-166		1.25	10.0	1.38	4.77	0.07	1.4	0.009	0.80	14.7	6.8	0.06	158	2.47	0.03
RC004 166-168		1.25	61.9	1.52	5.36	0.08	1.6	0.010	0.77	18.2	6.1	0.05	164	0.54	0.03
RC004 168-170		1.22	13.4	1.85	4.30	0.08	1.4	0.010	0.72	16.6	6.1	0.05	210	0.82	0.02
RC004 170-172		1.14	11.4	1.17	4.05	0.07	1.6	0.010	0.55	17.7	6.5	0.03	111	0.59	0.02
RC004 172-175		1.59	11.2	2.49	4.24	0.09	1.3	0.009	0.61	17.9	9.3	0.05	362	0.60	0.02

Comments: REE's may not be totally soluble in MS61 method.



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CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm 0.2	ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.2
RC004 100-102		70.5	630	9.9	33.3	0.003	0.04	2.87	41.3	<1	1.3	267.0	0.45	<0.05	1.3
RC004 102-104		71.5	700	9.7	32.3	0.003	0.04	2.34	40.7	<1	1.2	284.0	0.42	<0.05	1.2
RC004 104-106		78.4	580	27.1	29.7	0.003	0.04	2.94	44.1	<1	1.2	264.0	0.45	<0.05	1.2
RC004 106-108		77.9	620	10.0	40.6	0.004	0.03	3.28	43.2	<1	1.2	282.0	0.43	<0.05	1.2
RC004 108-110		82.6	650	25.7	39.0	0.003	0.03	3.26	43.7	<1	1.2	292.0	0.48	<0.05	1.4
RC004 110-112		70.8	570	34.7	78.8	0.003	0.04	1.89	36.2	<1	2.2	167.5	0.39	<0.05	1.2
RC004 112-114		91.1	650	117.5	62.6	0.004	0.06	3.95	42.6	<1	1.3	250.0	0.48	<0.05	1.3
RC004 114-116		91.9	640	7.8	30.5	0.003	0.04	7.17	42.2	<1	1.2	457.0	0.48	<0.05	1.3
RC004 116-118		85.9	610	6.4	30.3	0.003	0.04	2.80	39.6	<1	1.2	223.0	0.44	<0.05	1.3
RC004 118-120		21.0	1110	4.8	23.6	0.006	0.09	1.43	47.4	1	2.3	221.0	0.99	<0.05	2.8
RC004 120-122		20.7	1240	17.8	22.4	0.008	0.10	0.65	48.3	2	2.3	223.0	1.00	<0.05	2.8
RC004 122-124		20.4	1100	4.8	26.3	0.007	0.09	0.43	48.2	1	2.1	211.0	0.94	0.05	2.5
RC004 124-126		22.1	1180	3.8	21.9	0.007	0.09	0.45	49.2	2	2.2	250.0	0.96	<0.05	2.5
RC004 126-128		22.4	1090	4.0	22.6	0.007	0.09	0.47	49.4	1	2.1	253.0	0.97	0.05	2.5
RC004 128-130		21.2	980	16.1	19.9	0.007	0.09	0.62	48.5	1	2.0	239.0	0.94	<0.05	2.3
RC004 130-132		23.0	1070	29.7	40.2	0.006	0.13	1.04	51.9	1	2.2	175.5	0.96	<0.05	2.5
RC004 132-134		24.3	1150	100.5	44.7	0.007	0.14	1.60	51.2	1	2.1	126.0	0.95	<0.05	2.3
RC004 134-136		28.6	1260	48.8	4.8	0.007	0.32	3.60	57.7	1	2.2	11.6	1.02	0.06	2.5
RC004 136-138		30.3	1080	98.0	10.0	0.005	0.58	3.81	55.3	1	2.0	12.1	0.89	0.06	2.5
RC004 138-140		18.8	540	765.0	23.6	0.004	0.56	2.38	22.0	1	5.8	6.1	0.54	0.05	5.5
RC004 140-142		7.5	160	70.7	24.7	0.003	0.06	0.80	1.9	1	2.0	3.4	0.28	<0.05	6.0
RC004 142-144		7.5	180	95.2	7.0	0.002	0.08	0.98	2.2	1	1.0	3.7	0.15	<0.05	3.2
RC004 144-146		5.8	90	80.6	7.0	0.002	0.11	0.85	1.4	1	0.9	2.3	0.12	<0.05	2.9
RC004 146-148		4.5	90	18.9	57.2	<0.002	0.03	1.05	2.0	1	1.5	5.2	0.37	<0.05	6.7
RC004 148-150		4.3	100	4.2	32.9	0.002	0.03	0.52	1.2	1	0.5	7.7	0.19	<0.05	4.0
RC004 150-152		3.2	80	6.1	52.8	<0.002	0.01	0.52	1.6	1	0.9	5.5	0.32	<0.05	6.6
RC004 152-154		4.2	170	3.7	42.7	<0.002	0.02	0.63	1.4	1	0.7	8.2	0.26	<0.05	5.4
RC004 154-156		5.1	250	9.2	49.9	<0.002	0.01	0.65	1.5	1	1.0	7.3	0.31	<0.05	6.7
RC004 156-158		6.6	170	5.3	83.6	<0.002	0.03	0.72	3.2	1	1.3	11.3	0.59	<0.05	12.0
RC004 158-160		5.8	270	3.1	34.5	0.002	0.01	0.49	1.2	1	0.5	9.7	0.20	<0.05	4.8
RC004 160-162		4.1	190	2.7	70.6	<0.002	0.01	0.66	2.3	1	0.9	11.5	0.35	<0.05	7.6
RC004 162-164		5.7	240	4.5	42.3	<0.002	0.12	0.72	1.2	1	0.6	8.6	0.25	<0.05	5.4
RC004 164-166		5.2	130	1.9	46.2	<0.002	0.11	0.97	1.7	1	0.7	9.3	0.30	<0.05	5.4
RC004 166-168		4.1	160	2.2	47.1	<0.002	0.15	0.90	2.1	1	0.9	15.1	0.38	<0.05	8.1
RC004 168-170		2.6	190	4.8	41.4	<0.002	0.01	0.94	1.7	1	0.8	10.8	0.33	<0.05	6.9
RC004 170-172		7.0	190	3.1	36.0	<0.002	0.03	0.93	1.6	1	0.9	15.0	0.39	<0.05	7.9
RC004 172-175		6.3	260	11.6	34.2	<0.002	0.02	0.66	1.5	1	0.7	13.2	0.28	<0.05	6.6

Comments: REE's may not be totally soluble in MS61 method.



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Finalized Date: 15-NOV-2006

Account: METMIN

CERTIFICATE OF ANALYSIS TV06100850

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ti	U	V	W	Y	Zn
		ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2
RC004 100-102		0.36	0.3	320	3.8	21.8	127
RC004 102-104		0.38	0.3	326	2.9	21.0	273
RC004 104-106		0.31	0.3	332	0.7	21.4	139
RC004 106-108		0.39	0.3	324	0.5	21.6	125
RC004 108-110		0.39	0.3	336	0.5	22.7	164
RC004 110-112		0.67	0.4	271	12.8	28.7	154
RC004 112-114		0.67	0.3	327	7.3	23.5	156
RC004 114-116		0.36	0.3	329	0.5	22.8	172
RC004 116-118		0.30	0.3	309	0.5	21.3	148
RC004 118-120		0.30	0.6	377	0.9	39.1	186
RC004 120-122		0.29	0.6	441	0.6	39.1	227
RC004 122-124		0.29	0.6	430	0.6	36.4	211
RC004 124-126		0.25	0.6	485	0.7	36.4	208
RC004 126-128		0.27	0.6	513	1.0	35.4	211
RC004 128-130		0.23	0.5	454	0.9	34.3	200
RC004 130-132		0.52	0.6	443	6.1	36.0	226
RC004 132-134		0.60	0.5	459	9.1	34.8	237
RC004 134-136		0.17	0.6	574	51.3	35.2	253
RC004 136-138		0.16	0.5	467	58.0	33.4	208
RC004 138-140		0.26	1.7	187	24.5	17.3	1605
RC004 140-142		0.30	1.2	16	5.1	4.7	185
RC004 142-144		0.13	1.1	21	11.8	5.1	238
RC004 144-146		0.07	0.9	12	4.3	4.1	203
RC004 146-148		0.31	1.6	16	3.1	7.9	89
RC004 148-150		0.15	1.3	10	1.7	4.8	32
RC004 150-152		0.25	1.6	12	5.5	7.0	39
RC004 152-154		0.21	1.8	12	1.4	8.4	29
RC004 154-156		0.22	2.1	12	1.6	7.5	44
RC004 156-158		0.39	2.5	20	2.3	10.8	49
RC004 158-160		0.14	1.7	12	3.4	7.0	27
RC004 160-162		0.31	2.0	21	1.8	7.9	53
RC004 162-164		0.16	1.9	11	4.7	7.4	73
RC004 164-166		0.19	2.1	17	1.9	7.5	40
RC004 166-168		0.20	2.0	19	2.7	10.1	20
RC004 168-170		0.25	1.8	15	5.5	7.8	36
RC004 170-172		0.16	2.4	13	2.4	10.5	27
RC004 172-175		0.13	2.4	13	1.7	8.7	59

Comments: REE's may not be totally soluble in MS61 method.