



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Page: 1
Finalized Date: 16-JUN-2010
Account: REDMIN

QC CERTIFICATE PH10067471

Project: ERL94

P.O. No.:

This report is for 182 Soil samples submitted to our lab in Perth, WA, Australia on 1-JUN-2010.

The following have access to data associated with this certificate:

RUSSELL BIRRELL

CRAIG HALL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

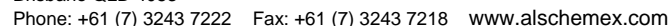
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS23	IONIC Leach - Complete PKG.	ICP-MS
pH-MS23	MS23 Leach pH	

To: REDBANK COPPER LTD
ATTN: RUSSELL BIRRELL
PO BOX 870
WEST PERTH WA 6872

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.

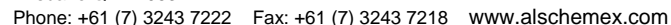
Signature:

Wayne Abbott, Operations Manager, Western Australia



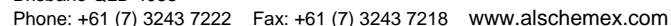
QC CERTIFICATE OF ANALYSIS PH10067471

Sample Description	Method Analyte Units LOR	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
		Ag	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy
		ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		0.1	2	0.02	10	0.2	3	0.05	0.2	1	0.1	0.3	1	0.1	1	0.1
STANDARDS																
ION-SRM18		18.6	8	8.35	180	0.3	<3	1.61	162.5	70	15.4	56.2	6	7.0	729	1.4
ION-SRM18		18.1	8	5.85	180	0.3	<3	1.57	158.5	68	15.0	54.8	6	6.8	710	1.9
ION-SRM18		18.2	11	7.11	190	<0.2	<3	1.59	159.0	70	16.0	60.4	6	7.6	760	1.5
ION-SRM18		18.0	11	7.00	180	<0.2	<3	1.57	156.5	68	15.7	59.5	6	7.4	749	1.5
ION-SRM18		19.0	10	7.77	180	0.3	<3	1.52	151.5	72	16.7	63.1	5	8.2	763	1.5
ION-SRM18		18.8	10	7.72	180	0.3	<3	1.51	150.0	71	16.5	62.6	5	8.2	757	1.5
ION-SRM18		18.6	8	7.70	180	0.3	<3	1.51	155.5	72	14.8	55.5	5	7.4	723	1.5
ION-SRM18		18.7	8	7.76	180	0.3	<3	1.52	156.5	72	14.9	55.8	5	7.4	727	1.5
ION-SRM18		19.4	10	7.10	180	0.3	<3	1.53	154.0	72	15.9	64.8	7	8.1	768	1.4
ION-SRM18		19.2	10	7.01	180	0.3	<3	1.51	152.0	71	15.7	64.0	6	8.0	758	1.4
Target Range - Lower Bound		15.7	5	6.83	180	<0.2	<3	1.23	139.5	58	13.6	54.6	4	6.6	693	1.1
Upper Bound		19.4	11	8.39	240	0.4	6	1.61	171.0	73	16.8	67.3	7	8.2	849	1.5
BLANKS																
BLANK		<0.1	<2	0.02	<10	<0.2	<3	<0.05	<0.2	<1	<0.1	<0.3	2	<0.1	<1	<0.1
BLANK		<0.1	3	0.03	<10	<0.2	<3	<0.05	0.4	<1	<0.1	<0.3	2	<0.1	<1	<0.1
BLANK		<0.1	2	<0.02	10	<0.2	<3	<0.05	<0.2	<1	<0.1	<0.3	1	<0.1	<1	<0.1
BLANK		<0.1	<2	<0.02	<10	<0.2	<3	<0.05	<0.2	<1	<0.1	<0.3	2	<0.1	2	<0.1
BLANK		<0.1	<2	<0.02	10	<0.2	<3	<0.05	<0.2	<1	<0.1	<0.3	1	<0.1	<1	<0.1
Target Range - Lower Bound		<0.1	<2	<0.02	<10	<0.2	<3	<0.05	<0.2	<1	<0.1	<0.3	<1	<0.1	<1	<0.1
Upper Bound		0.2	4	0.04	20	0.4	6	0.10	0.4	2	0.2	0.6	2	0.2	2	0.2
DUPLICATES																
RSO4		0.9	10	0.10	2810	48.1	<3	0.15	35.4	6	1515	469	12	5.0	2300	278
DUP		1.0	9	0.09	3140	51.7	<3	0.15	37.7	7	1625	479	13	5.2	2420	300
Target Range - Lower Bound		0.8	7	0.07	2820	47.2	<3	0.09	34.5	5	1490	450	11	4.7	2240	274
Upper Bound		1.1	12	0.12	3130	52.6	6	0.21	38.6	8	1650	498	14	5.5	2480	304
RSO10B																
DUP																
Target Range - Lower Bound																
Upper Bound																



QC CERTIFICATE OF ANALYSIS PH10067471

Sample Description	Method	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
	Analyte	Mn	Mo	Nb	Nd	Ni	Pb	Pb 206	Pb 207	Pb 208	Pd	Pr	Rb	Re	Sb	Sc
	Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
LOR		0.01	0.5	0.1	0.1	1	1	1	1	1	0.1	0.1	0.1	0.1	0.5	1
STANDARDS																
ION-SRM18		0.49	28.0	<0.1	12.7	530	81	18	19	42	12.2	2.3	163.0	<0.1	<0.5	4
ION-SRM18		0.48	27.3	<0.1	16.2	420	61	14	14	32	11.9	2.2	159.0	<0.1	<0.5	4
ION-SRM18		0.44	28.8	0.1	14.1	512	78	18	19	41	12.1	2.3	159.0	<0.1	<0.5	3
ION-SRM18		0.43	28.4	0.1	13.9	505	77	18	18	40	12.0	2.3	156.5	<0.1	<0.5	3
ION-SRM18		0.46	32.3	0.1	13.9	519	80	18	19	42	12.6	2.2	180.5	<0.1	<0.5	3
ION-SRM18		0.46	32.0	0.1	13.8	516	79	18	18	42	12.5	2.2	179.5	<0.1	<0.5	3
ION-SRM18		0.43	28.0	0.1	12.9	566	78	18	18	41	12.5	2.2	157.0	<0.1	<0.5	3
ION-SRM18		0.43	28.2	0.1	13.0	570	78	18	18	41	12.6	2.2	158.0	<0.1	<0.5	3
ION-SRM18		0.45	29.1	0.2	13.0	525	79	18	19	43	12.6	2.3	175.5	<0.1	<0.5	3
ION-SRM18		0.45	28.7	0.2	12.8	518	78	18	19	42	12.5	2.2	173.5	<0.1	<0.5	3
Target Range - Lower Bound		0.41	26.3	<0.1	11.4	495	77	17	17		10.6	1.7	156.5	<0.1	<0.5	2
Upper Bound		0.53	33.3	0.2	14.2	607	97	23	23		13.2	2.3	191.5	0.2	1.0	4
BLANKS																
BLANK		<0.01	<0.5	<0.1	<0.1	2	<1	1	1	2	<0.1	<0.1	<0.1	<0.1	<0.5	<1
BLANK		<0.01	<0.5	<0.1	<0.1	<1	<1	<1	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.5	1
BLANK		<0.01	<0.5	<0.1	<0.1	1	<1	<1	<1	<1	<0.1	<0.1	0.1	<0.1	<0.5	<1
BLANK		<0.01	<0.5	<0.1	<0.1	<1	<1	<1	<1	<1	<0.1	<0.1	0.1	<0.1	<0.5	1
BLANK		<0.01	<0.5	<0.1	<0.1	<1	2	1	1	2	<0.1	<0.1	<0.1	<0.1	<0.5	<1
Target Range - Lower Bound		<0.01	<0.5	<0.1	<0.1	<1	<1	<1	<1		<0.1	<0.1	<0.1	<0.1	<0.5	<1
Upper Bound		0.02	1.0	0.2	0.2	2	2	2	2		0.2	0.2	0.2	0.2	1.0	2
DUPLICATES																
RSO4		16.45	1.2	0.5	1745	328	155	37	33	81	15.9	265	569	<0.1	<0.5	490
DUP		17.15	1.5	0.4	1915	348	159	38	34	83	16.1	289	578	<0.1	<0.5	531
Target Range - Lower Bound		15.95	0.8	0.3	1740	320	148	35	31	77	15.1	263	545	<0.1	<0.5	484
Upper Bound		17.65	1.9	0.6	1920	356	166	40	36	87	16.9	291	602	0.2	1.0	537
RSO10B																
DUP																
Target Range - Lower Bound																
Upper Bound																



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[illegible]



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Total # Pages: 3 (A - E)

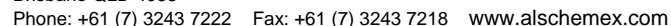
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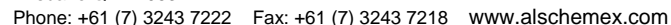
Sample Description	Method Analyte Units LOR	ME-MS23 Zn ppb 10	ME-MS23 Zr ppb 0.1	pH-MS23 Final pH Unity 0.1
STANDARDS				
ION-SRM18		630	5.3	9.0
ION-SRM18		620	5.1	9.0
ION-SRM18		600	5.3	9.0
ION-SRM18		590	5.2	9.0
ION-SRM18		570	5.4	9.0
ION-SRM18		560	5.4	9.0
ION-SRM18		550	5.3	9.0
ION-SRM18		560	5.3	9.0
ION-SRM18		550	5.2	9.0
ION-SRM18		550	5.2	9.0
Target Range - Lower Bound		530	4.3	
Upper Bound		670	5.5	
BLANKS				
BLANK		<10	<0.1	9.0
BLANK		<10	<0.1	9.0
BLANK		<10	<0.1	9.0
BLANK		<10	<0.1	9.0
BLANK		<10	<0.1	9.0
Target Range - Lower Bound		<10	<0.1	8.8
Upper Bound		20	0.2	9.2
DUPLICATES				
RSO4		1050	35.3	8.0
DUP		1090	36.8	8.0
Target Range - Lower Bound		1010	34.1	7.5
Upper Bound		1130	38.0	8.5
RSO10B				8.5
DUP				8.5
Target Range - Lower Bound				8.0
Upper Bound				9.0



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QC CERTIFICATE OF ANALYSIS PH10067471

Sample Description	Method	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
	Analyte	Ag	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy
	Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.1	2	0.02	10	0.2	3	0.05	0.2	1	0.1	0.3	1	0.1	1	0.1
		DUPLICATES														
RSO22		1.9	4	0.18	1230	1.6	<3	<0.05	51.1	3	274	116.0	<1	6.7	1330	122.0
DUP		1.9	4	0.18	1210	1.5	<3	<0.05	50.4	3	271	114.0	<1	6.6	1310	120.5
Target Range - Lower Bound		1.7	<2	0.15	1150	1.3	<3	<0.05	48.0	2	259	109.0	<1	6.2	1255	115.0
Upper Bound		2.1	6	0.21	1290	1.8	6	0.10	53.5	4	286	121.0	2	7.1	1385	127.5
RSO25A		2.8	5	0.20	1220	0.2	<3	<0.05	80.2	2	77.9	149.5	3	2.7	2170	43.2
DUP		2.9	2	0.34	1080	0.6	<3	<0.05	83.0	2	79.4	144.0	2	2.8	2290	36.9
Target Range - Lower Bound		2.6	<2	0.24	1080	<0.2	<3	<0.05	77.3	<1	74.6	139.0	<1	2.5	2120	37.9
Upper Bound		3.1	4	0.30	1220	0.6	6	0.10	85.9	3	82.7	154.5	4	3.0	2340	42.2
RSO37		1.1	3	0.08	890	0.3	<3	<0.05	63.0	2	113.5	156.0	2	2.0	7880	35.3
DUP		1.0	2	0.08	760	0.4	<3	<0.05	55.0	2	100.5	138.0	1	1.8	8220	30.0
Target Range - Lower Bound		0.9	<2	0.06	770	<0.2	<3	<0.05	55.9	<1	101.5	139.5	<1	1.7	7650	30.9
Upper Bound		1.2	4	0.10	880	0.4	6	0.10	62.2	3	112.5	154.5	2	2.1	8450	34.4
RSO51B		4.1	7	0.41	1830	6.4	<3	0.15	70.1	10	952	923	1	8.2	33200	313
DUP		4.3	7	0.44	1930	6.8	<3	0.16	74.1	10	1005	976	1	8.7	35100	330
Target Range - Lower Bound		3.9	5	0.38	1780	6.1	<3	0.10	68.3	9	929	902	<1	7.9	32400	305
Upper Bound		4.5	9	0.47	1980	7.1	6	0.21	75.9	12	1030	997	2	9.0	35900	338
RSO55		0.5	5	0.02	890	2.2	<3	0.10	77.0	3	301	404	14	3.6	3540	41.6
DUP		0.5	4	0.03	780	1.4	<3	0.10	72.5	3	260	418	13	3.8	3410	37.2
Target Range - Lower Bound		0.4	<2	<0.02	780	1.5	<3	<0.05	70.8	2	266	390	12	3.4	3300	37.3
Upper Bound		0.6	7	0.04	890	2.1	6	0.16	78.7	4	295	432	15	4.0	3650	41.5
RSO61B		1.7	6	0.05	1360	4.9	<3	0.15	75.2	2	627	203	15	3.4	5700	66.0
DUP		1.8	6	0.05	1390	5.0	<3	0.15	76.7	2	639	207	16	3.5	5810	67.2
Target Range - Lower Bound		1.6	4	0.03	1300	4.5	<3	0.09	72.0	<1	601	194.5	14	3.2	5470	63.2
Upper Bound		1.9	8	0.07	1450	5.4	6	0.21	79.9	3	665	216	17	3.7	6040	70.0



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QC CERTIFICATE OF ANALYSIS PH10067471

Sample Description	Method	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
	Analyte	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mg
	Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm
	LOR	0.1	0.1	0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.1	0.01	0.1	0.1	0.2	0.1
		DUPLICATES														
RSO22		64.2	59.9	5.6	40.2	215	3.5	2.2	1.5	27.4	0.39	<0.1	138.0	2.0	5.6	72.5
DUP		63.3	59.1	5.5	39.7	212	3.5	2.1	1.5	27.0	0.38	<0.1	136.5	1.9	5.5	71.4
Target Range - Lower Bound		60.5	56.4	5.2	37.5	203	3.2	1.5	1.3	25.7	0.36	<0.1	130.5	1.7	5.2	68.3
Upper Bound		67.0	62.6	5.9	42.4	224	3.8	2.8	1.7	28.7	0.41	0.2	144.0	2.2	5.9	75.6
RSO25A		22.1	23.5	5.8	39.6	88.1	1.7	1.1	0.7	9.9	0.22	<0.1	59.8	2.5	1.8	81.8
DUP		18.7	20.4	6.9	37.7	74.3	1.4	0.9	0.9	8.2	0.23	<0.1	57.9	3.1	1.5	84.0
Target Range - Lower Bound		19.3	20.8	5.9	36.2	77.0	1.4	<0.5	0.7	8.5	0.20	<0.1	55.8	2.5	1.5	78.7
Upper Bound		21.5	23.1	6.8	41.1	85.4	1.7	1.6	0.9	9.6	0.25	0.2	61.9	3.1	1.8	87.1
RSO37		17.2	15.1	6.8	25.1	58.2	0.5	0.8	1.2	7.6	0.23	<0.1	34.5	1.8	1.5	57.4
DUP		15.6	13.3	6.4	22.9	48.9	0.7	0.7	1.2	6.6	0.20	<0.1	30.0	1.5	1.3	50.2
Target Range - Lower Bound		15.5	13.4	6.2	22.3	50.8	0.5	<0.5	1.0	6.6	0.19	<0.1	30.5	1.4	1.2	51.1
Upper Bound		17.3	15.0	7.0	25.7	56.3	0.7	1.0	1.4	7.6	0.24	0.2	34.0	1.9	1.6	56.5
RSO51B		178.0	84.8	4.2	43.1	391	3.0	4.3	1.2	66.8	1.05	<0.1	288	<0.2	18.5	83.4
DUP		188.5	89.6	4.5	45.5	414	3.2	4.5	1.3	70.6	1.11	<0.1	304	0.9	19.5	88.2
Target Range - Lower Bound		174.0	82.7	4.0	41.6	382	2.8	3.7	1.1	65.2	1.02	<0.1	281	0.3	18.0	81.5
Upper Bound		192.5	91.7	4.7	47.0	423	3.4	5.1	1.4	72.2	1.14	0.2	311	0.8	20.1	90.1
RSO55		19.6	12.7	28.6	22.5	64.0	0.7	1.5	0.6	7.8	0.11	<0.1	83.2	0.6	1.9	31.4
DUP		17.3	11.2	24.1	18.4	55.6	0.5	1.4	0.7	6.8	0.11	<0.1	67.5	0.6	1.6	33.9
Target Range - Lower Bound		17.4	11.3	24.9	18.9	56.7	0.5	0.9	0.5	6.8	0.09	<0.1	71.5	0.4	1.6	31.0
Upper Bound		19.5	12.6	27.8	22.0	62.9	0.7	2.0	0.8	7.8	0.13	0.2	79.2	0.8	1.9	34.3
RSO61B		33.5	24.7	17.3	46.0	120.0	2.5	3.0	0.4	13.4	0.20	0.1	179.5	3.3	3.0	19.80
DUP		34.2	25.2	17.7	46.9	122.5	2.5	3.0	0.4	13.7	0.20	0.1	183.0	4.2	3.1	20.2
Target Range - Lower Bound		32.1	23.6	16.5	43.6	115.0	2.3	2.4	0.3	12.8	0.18	<0.1	172.0	3.4	2.8	19.00
Upper Bound		35.6	26.3	18.5	49.3	127.5	2.7	3.7	0.5	14.3	0.22	0.2	190.5	4.1	3.3	21.0



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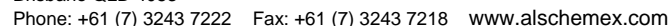
Finalized Date: 16-JUN-2010

Account: REDMIN

Project: ERL94

QC CERTIFICATE OF ANALYSIS PH10067471

Sample Description	Method	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
	Analyte	Mn	Mo	Nb	Nd	Ni	Pb	Pb 206	Pb 207	Pb 208	Pd	Pr	Rb	Re	Sb	Sc
	Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	0.01	0.5	0.1	0.1	1	1	1	1	1	1	0.1	0.1	0.1	0.1	0.5
		DUPLICATES														
RSO22		3.19	1.3	0.2	724	200	34	9	7	18	4.8	105.0	641	<0.1	<0.5	76
DUP		3.14	1.3	0.2	713	197	34	9	7	17	4.7	103.5	632	<0.1	<0.5	75
Target Range - Lower Bound		3.00	0.7	<0.1	682	188	31	8	6	16	4.4	98.9	605	<0.1	<0.5	71
Upper Bound		3.33	1.9	0.3	755	209	37	10	8	19	5.1	109.5	668	0.2	1.0	80
RSO25A		3.50	1.6	0.2	307	187	32	8	7	17	2.2	41.5	491	<0.1	<0.5	23
DUP		3.22	1.8	0.3	275	186	31	7	7	16	1.8	39.7	501	<0.1	<0.5	25
Target Range - Lower Bound		3.18	1.1	<0.1	276	176	29	6	6	15	1.8	38.5	471	<0.1	<0.5	22
Upper Bound		3.54	2.3	0.4	306	197	34	9	8	18	2.2	42.7	521	0.2	1.0	26
RSO37		4.74	3.5	0.1	170.5	124	27	6	6	14	1.1	22.1	508	<0.1	<0.5	23
DUP		4.04	3.3	0.2	149.0	113	24	6	5	13	1.1	19.6	445	<0.1	<0.5	21
Target Range - Lower Bound		4.16	2.7	<0.1	151.5	112	23	5	4	12	0.9	19.7	453	<0.1	<0.5	20
Upper Bound		4.62	4.1	0.2	168.0	125	28	7	7	15	1.3	22.0	500	0.2	1.0	24
RSO51B		19.40	42.1	<0.1	1250	305	9	2	2	5	9.1	200	641	<0.1	2.5	126
DUP		20.5	44.5	<0.1	1320	322	10	2	2	5	9.6	211	678	<0.1	2.7	133
Target Range - Lower Bound		18.95	40.6	<0.1	1220	297	8	<1	<1	4	8.8	195.0	626	<0.1	2.0	122
Upper Bound		21.0	46.0	0.2	1350	330	11	3	3	6	9.9	216	693	0.2	3.2	137
RSO55		18.20	2.0	0.2	241	176	67	16	15	36	2.1	41.1	315	<0.1	<0.5	34
DUP		17.35	2.1	0.2	205	153	65	15	14	35	2.1	34.3	330	<0.1	<0.5	29
Target Range - Lower Bound		16.90	1.4	<0.1	212	155	62	14	13	33	1.9	35.7	306	<0.1	<0.5	29
Upper Bound		18.65	2.7	0.3	234	174	70	17	16	38	2.3	39.7	339	0.2	1.0	34
RSO61B		7.57	3.0	0.8	459	121	89	21	20	48	4.8	87.0	372	<0.1	<0.5	60
DUP		7.72	3.0	0.8	468	123	91	22	20	49	4.9	88.6	379	<0.1	<0.5	61
Target Range - Lower Bound		7.25	2.4	0.7	440	115	85	19	18	45	4.5	83.3	357	<0.1	<0.5	56
Upper Bound		8.04	3.7	0.9	487	129	96	24	22	52	5.2	92.3	394	0.2	1.0	65



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Sample Description	Method	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
	Analyte	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	W	Y	Yb
	Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	LOR	2	0.1	0.2	1	1	0.1	1	0.02	5	0.5	0.1	0.1	1	0.1	0.1
		DUPLICATES														
RSO22		53	205	0.2	278	<1	34.2	<1	19.00	161	1.0	6.7	46.6	1	568	37.3
DUP		53	202	0.2	274	<1	33.7	<1	18.75	159	0.9	6.6	36.6	1	560	36.7
Target Range - Lower Bound		48	193.0	<0.2	261	<1	32.2	<1	17.90	147	<0.5	6.2	39.4	<1	536	35.1
Upper Bound		58	214	0.4	291	2	35.7	2	19.85	173	1.0	7.1	43.8	2	592	39.0
RSO25A		9	84.5	0.2	279	<1	12.6	<1	8.76	144	0.6	2.2	20.8	<1	222	12.4
DUP		12	71.5	0.3	275	<1	10.7	<1	8.86	184	0.5	1.9	18.9	<1	194.0	10.4
Target Range - Lower Bound		8	74.0	<0.2	262	<1	11.0	<1	8.35	151	<0.5	1.8	18.8	<1	197.5	10.7
Upper Bound		13	82.0	0.4	292	2	12.3	2	9.27	177	1.0	2.3	20.9	2	219	12.1
RSO37		7	48.0	<0.2	151	<1	8.2	<1	8.86	110	<0.5	1.8	11.0	<1	192.5	9.8
DUP		7	41.4	<0.2	130	<1	7.0	<1	8.15	113	<0.5	1.6	9.8	<1	169.0	8.8
Target Range - Lower Bound		5	42.4	<0.2	132	<1	7.1	<1	8.06	101	<0.5	1.5	9.8	<1	171.5	8.7
Upper Bound		9	47.0	0.4	149	2	8.1	2	8.95	122	1.0	1.9	11.0	2	190.0	9.9
RSO51B		49	346	1.4	303	<1	58.4	1	71.4	31	2.1	21.1	207	2	1390	122.0
DUP		52	366	1.5	320	<1	61.7	1	75.4	32	2.2	22.3	192.5	2	1470	128.5
Target Range - Lower Bound		46	338	1.2	295	<1	56.9	<1	69.7	25	1.5	20.5	189.5	<1	1360	119.0
Upper Bound		55	374	1.7	328	2	63.2	2	77.1	38	2.8	22.9	210	3	1500	131.5
RSO55		10	60.8	<0.2	310	<1	8.9	<1	72.5	92	0.5	2.2	14.7	<1	187.5	12.5
DUP		10	53.2	<0.2	287	<1	7.8	<1	65.4	89	0.5	1.9	14.5	<1	158.0	10.8
Target Range - Lower Bound		8	54.1	<0.2	283	<1	7.8	<1	65.5	81	<0.5	1.8	13.8	<1	164.0	11.0
Upper Bound		13	60.0	0.4	314	2	8.9	2	72.4	100	1.0	2.3	15.4	2	181.5	12.3
RSO61B		15	109.0	2.2	250	<1	16.2	<1	129.0	216	0.8	3.6	30.6	1	320	20.8
DUP		15	111.0	2.2	255	<1	16.6	<1	131.5	220	0.9	3.6	35.7	1	326	21.2
Target Range - Lower Bound		12	104.5	1.9	239	<1	15.5	<1	123.5	202	<0.5	3.3	31.4	<1	307	19.9
Upper Bound		18	115.5	2.5	266	2	17.3	2	137.0	234	1.0	3.9	34.9	2	339	22.2



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Sample Description	Method Analyte Units LOR	ME-MS23 Zn ppb 10	ME-MS23 Zr ppb 0.1	pH-MS23 Final pH Unity 0.1
DUPLICATES				
RSO22		470	11.4	8.7
DUP		460	11.2	8.7
Target Range - Lower Bound		430	10.6	8.2
Upper Bound		500	12.0	9.2
RSO25A		520	7.4	8.7
DUP		460	8.7	8.7
Target Range - Lower Bound		460	7.5	8.2
Upper Bound		520	8.6	9.2
RSO37		210	7.3	8.3
DUP		210	7.1	8.3
Target Range - Lower Bound		190	6.7	7.8
Upper Bound		230	7.7	8.8
RSO51B		670	29.8	8.3
DUP		710	31.5	8.3
Target Range - Lower Bound		650	29.0	7.8
Upper Bound		730	32.3	8.8
RSO55		310	26.6	8.3
DUP		280	24.8	8.3
Target Range - Lower Bound		270	24.3	7.8
Upper Bound		320	27.1	8.8
RSO61B		230	39.6	8.5
DUP		230	40.3	8.5
Target Range - Lower Bound		210	37.9	8.0
Upper Bound		250	42.0	9.0