Sequence No.: 44
Sample ID: SEQ-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 11/30/2010 9:35:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCV

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: SEQ-CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2468801.1	100.4	%	0.10				0.10%
Sc Radial	306180.8	102.8	%	0.66				0.64%
Ag 328.068†	15955.6	261.0	ug/L	1.75	261.0	ug/L	1.75	0.67%
QC value within limits for Ag 328.068 Recovery = 104.39%								
Al 396.153†	60126.3	12880	ug/L	24.9	12880	ug/L	24.9	0.19%
QC value within limits for Al 396.153 Recovery = 103.03%								
As 193.696†	255.8	2575	ug/L	26.3	2575	ug/L	26.3	1.02%
QC value within limits for As 193.696 Recovery = 103.02%								
Ba 233.527†	6152.9	501.6	ug/L	5.32	501.6	ug/L	5.32	1.06%
QC value within limits for Ba 233.527 Recovery = 100.32%								
Be 313.107†	148728.8	512.9	ug/L	0.88	512.9	ug/L	0.88	0.17%
QC value within limits for Be 313.107 Recovery = 102.57%								
B 249.677†	33961.1	5113	ug/L	5.1	5113	ug/L	5.1	0.10%
QC value within limits for B 249.677 Recovery = 102.26%								
Ca 317.933†	37575.0	12660	ug/L	66.8	12660	ug/L	66.8	0.53%
QC value within limits for Ca 317.933 Recovery = 101.29%								
Cd 214.440†	1691.7	508.9	ug/L	3.73	508.9	ug/L	3.73	0.73%
QC value within limits for Cd 214.440 Recovery = 101.79%								
Co 228.616†	2244.0	513.3	ug/L	1.33	513.3	ug/L	1.33	0.26%
QC value within limits for Co 228.616 Recovery = 102.65%								
Cr 267.716†	14863.6	2470	ug/L	21.8	2470	ug/L	21.8	0.88%
QC value within limits for Cr 267.716 Recovery = 98.82%								
Cu 324.752†	102460.8	1041	ug/L	4.3	1041	ug/L	4.3	0.41%
QC value within limits for Cu 324.752 Recovery = 104.08%								
Fe 238.204†	1807.1	12700	ug/L	35.0	12700	ug/L	35.0	0.28%
QC value within limits for Fe 238.204 Recovery = 101.59%								
K 766.490†	44603.4	25580	ug/L	81.3	25580	ug/L	81.3	0.32%
QC value within limits for K 766.490 Recovery = 102.30%								
Mg 285.213†	83319.8	12880	ug/L	44.6	12880	ug/L	44.6	0.35%
QC value within limits for Mg 285.213 Recovery = 103.08%								
Mn 257.610†	141999.7	1023	ug/L	7.6	1023	ug/L	7.6	0.74%
QC value within limits for Mn 257.610 Recovery = 102.25%								
Mo 202.031†	267.4	509.4	ug/L	7.55	509.4	ug/L	7.55	1.48%
QC value within limits for Mo 202.031 Recovery = 101.88%								
Na 589.592†	71177.3	12880	ug/L	35.5	12880	ug/L	35.5	0.28%
QC value within limits for Na 589.592 Recovery = 103.03%								
Ni 231.604†	4394.2	2534	ug/L	13.5	2534	ug/L	13.5	0.53%
QC value within limits for Ni 231.604 Recovery = 101.36%								
Pb 220.353†	1186.8	2575	ug/L	7.4	2575	ug/L	7.4	0.29%
QC value within limits for Pb 220.353 Recovery = 102.98%								
Sb 206.836†	662.0	2498	ug/L	18.4	2498	ug/L	18.4	0.74%
QC value within limits for Sb 206.836 Recovery = 99.91%								
Se 196.026†	227.5	2633	ug/L	35.3	2633	ug/L	35.3	1.34%
QC value within limits for Se 196.026 Recovery = 105.34%								
SiO2 251.603†	34272.2	10200	ug/L	61.7	10200	ug/L	61.7	0.61%
QC value within limits for SiO2 251.603 Recovery = 102.02%								
Sr 421.552†	855462.5	531.9	ug/L	0.89	531.9	ug/L	0.89	0.17%
QC value within limits for Sr 421.552 Recovery = 106.38%								
Ti 334.940†	107221.4	509.2	ug/L	0.84	509.2	ug/L	0.84	0.16%
QC value within limits for Ti 334.940 Recovery = 101.84%								
Tl 190.801†	657.0	2585	ug/L	19.1	2585	ug/L	19.1	0.74%
QC value within limits for Tl 190.801 Recovery = 103.41%								
V 290.880†	27934.5	1000	ug/L	5.5	1000	ug/L	5.5	0.55%
QC value within limits for V 290.880 Recovery = 100.04%								

Zn 206.200†	2860.2	2555 ug/L	19.5	2555 ug/L	19.5	0.76%

QC value within limits for Zn 206.200 Recovery = 102.21%

All analyte(s) passed QC.

Sequence No.: 45
Sample ID: SEQ-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 11/30/2010 9:38:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCB

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: SEQ-CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2484031.9	101.0	%	0.25				0.25%
Sc Radial	305274.6	102.5	%	0.44				0.43%
Ag 328.068†	20.9	0.3401	ug/L	0.30445	0.3401	ug/L	0.30445	89.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	15.5	3.010	ug/L	1.0064	3.010	ug/L	1.0064	33.44%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 193.696†	-0.2	-2.316	ug/L	9.3719	-2.316	ug/L	9.3719	404.67%
QC value within limits for As 193.696 Recovery = Not calculated								
Ba 233.527†	1.2	0.0868	ug/L	0.14948	0.0868	ug/L	0.14948	172.27%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	11.0	0.0369	ug/L	0.03486	0.0369	ug/L	0.03486	94.36%
QC value within limits for Be 313.107 Recovery = Not calculated								
B 249.677†	292.6	44.05	ug/L	4.391	44.05	ug/L	4.391	9.97%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 317.933†	-0.4	-0.2457	ug/L	3.27597	-0.2457	ug/L	3.27597	>999.9%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	1.5	0.4475	ug/L	0.37885	0.4475	ug/L	0.37885	84.65%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.2	-0.2632	ug/L	0.91122	-0.2632	ug/L	0.91122	346.26%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.5	0.2561	ug/L	0.69517	0.2561	ug/L	0.69517	271.44%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	118.5	1.204	ug/L	0.1000	1.204	ug/L	0.1000	8.30%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	2.8	19.87	ug/L	12.495	19.87	ug/L	12.495	62.89%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	38.9	21.68	ug/L	10.409	21.68	ug/L	10.409	48.00%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	19.8	3.035	ug/L	0.4015	3.035	ug/L	0.4015	13.23%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	11.3	0.0772	ug/L	0.06555	0.0772	ug/L	0.06555	84.96%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.5	6.765	ug/L	0.8756	6.765	ug/L	0.8756	12.94%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	25.6	4.485	ug/L	4.4144	4.485	ug/L	4.4144	98.43%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.7	2.159	ug/L	0.7245	2.159	ug/L	0.7245	33.55%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.0	0.0668	ug/L	7.98411	0.0668	ug/L	7.98411	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.7	29.56	ug/L	7.087	29.56	ug/L	7.087	23.97%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.2	-1.875	ug/L	39.9285	-1.875	ug/L	39.9285	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
SiO2 251.603†	12.7	3.714	ug/L	1.7753	3.714	ug/L	1.7753	47.80%
QC value within limits for SiO2 251.603 Recovery = Not calculated								
Sr 421.552†	130.8	0.081	ug/L	0.0067	0.081	ug/L	0.0067	8.25%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	86.0	0.409	ug/L	0.0287	0.409	ug/L	0.0287	7.02%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.1	8.218	ug/L	10.4386	8.218	ug/L	10.4386	127.02%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-77.9	-2.764	ug/L	0.2135	-2.764	ug/L	0.2135	7.73%
QC value within limits for V 290.880 Recovery = Not calculated								

Zn 206.200†	2.0	1.791 ug/L	0.3703	1.791 ug/L	0.3703	20.68%

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 46
Sample ID: SEQ-SRD2 @5X
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 56
Date Collected: 11/30/2010 9:41:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-SRD2 @5X

Analyte	Back Pressure	Flow
All	117.0 kPa	0.80 L/min

Mean Data: SEQ-SRD2 @5X

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2475770.5	100.6	%	0.66				0.66%
Sc Radial	303706.7	101.9	%	0.86				0.84%
Ag 328.068†	8.6	1.480	ug/L	0.2559	7.400	ug/L	1.2794	17.29%
Al 396.153†	1110.8	237.7	ug/L	4.25	1189	ug/L	21.2	1.79%
As 193.696†	0.8	7.670	ug/L	33.6758	38.35	ug/L	168.379	439.05%
Ba 233.527†	53.4	3.326	ug/L	0.2336	16.63	ug/L	1.168	7.02%
Be 313.107†	36.4	0.0141	ug/L	0.04217	0.0704	ug/L	0.21086	299.49%
B 249.677†	-31.4	-4.725	ug/L	1.7205	-23.63	ug/L	8.603	36.41%
Ca 317.933†	140350.1	47510	ug/L	302.4	237600	ug/L	1511.9	0.64%
Cd 214.440†	11.6	3.506	ug/L	0.3474	17.53	ug/L	1.737	9.91%
Co 228.616†	2.2	0.6145	ug/L	0.71001	3.073	ug/L	3.5500	115.54%
Cr 267.716†	-1.2	0.3921	ug/L	0.42341	1.961	ug/L	2.1171	107.98%
Cu 324.752†	4089.2	41.83	ug/L	0.559	209.2	ug/L	2.80	1.34%
Fe 238.204†	330.6	2322	ug/L	14.4	11610	ug/L	72.1	0.62%
K 766.490†	655.6	324.9	ug/L	13.16	1625	ug/L	65.8	4.05%
Mg 285.213†	26429.1	4088	ug/L	29.7	20440	ug/L	148.5	0.73%
Mn 257.610†	59399.9	427.9	ug/L	5.87	2140	ug/L	29.3	1.37%
Mo 202.031†	5.5	10.61	ug/L	0.745	53.03	ug/L	3.725	7.02%
Na 589.592†	12255.6	2223	ug/L	25.7	11110	ug/L	128.4	1.16%
Ni 231.604†	2.1	1.239	ug/L	1.3841	6.197	ug/L	6.9203	111.66%
Pb 220.353†	-5.7	-13.01	ug/L	6.682	-65.04	ug/L	33.409	51.37%
Sb 206.836†	-1.2	-8.212	ug/L	8.5646	-41.06	ug/L	42.823	104.29%
Se 196.026†	3.5	40.43	ug/L	51.427	202.1	ug/L	257.13	127.20%
SiO2 251.603†	11836.4	3516	ug/L	47.1	17580	ug/L	235.5	1.34%
Sr 421.552†	1276536.8	793.7	ug/L	0.82	3968	ug/L	4.1	0.10%
Ti 334.940†	0.7	0.003	ug/L	0.0794	0.016	ug/L	0.3971	>999.9%
Tl 190.801†	-1.5	-10.14	ug/L	11.058	-50.72	ug/L	55.290	109.00%
V 290.880†	-45.8	-4.195	ug/L	1.0670	-20.98	ug/L	5.335	25.43%
Zn 206.200†	866.0	774.2	ug/L	12.94	3871	ug/L	64.7	1.67%

Dilution Check: SEQ-SRD2 @5X

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Difference (%)
Sc Radial	20.12	101.9	0.858	%	406.6
Al 396.153	234.4	237.7	4.247	ug/L	1.4
Ca 317.933	47350	47510	302.389	ug/L	0.3
Fe 238.204	2269	2322	14.420	ug/L	2.3
K 766.490	290.4	324.9	13.160	ug/L	11.9
Mg 285.213	4061	4088	29.696	ug/L	0.7
Na 589.592	2222	2223	25.680	ug/L	0.0
Sc Axial	19.36	100.6	0.660	%	419.9
Ag 328.068	1.278	1.480	0.256	ug/L	15.8
As 193.696	-1.458	7.670	33.676	ug/L	-626.0
Ba 233.527	3.237	3.326	0.234	ug/L	2.8
Be 313.107	0.1001	0.0141	0.042	ug/L	85.9
B 249.677	-6.446	-4.725	1.721	ug/L	-26.7
Cd 214.440	3.397	3.506	0.347	ug/L	3.2
Co 228.616	0.7370	0.6145	0.710	ug/L	16.6
Cr 267.716	0.4951	0.3921	0.423	ug/L	20.8
Cu 324.752	42.95	41.83	0.559	ug/L	2.6
Mn 257.610	423.6	427.9	5.868	ug/L	1.0
Mo 202.031	3.859	10.61	0.745	ug/L	174.8
Ni 231.604	1.478	1.239	1.384	ug/L	16.1

Pb 220.353	-1.514	-13.01	6.682	ug/L	-759.0
Sb 206.836	-1.801	-8.212	8.565	ug/L	-355.9
Se 196.026	30.35	40.43	51.427	ug/L	33.2
SiO2 251.603	3615	3516	47.093	ug/L	2.7
Sr 421.552	771.2	793.7	0.815	ug/L	2.9
Ti 334.940	0.110	0.003	0.079	ug/L	97.2
Tl 190.801	-3.505	-10.14	11.058	ug/L	-189.4
V 290.880	-1.984	-4.195	1.067	ug/L	-111.4
Zn 206.200	744.5	774.2	12.941	ug/L	4.0

Sequence No.: 47
Sample ID: 1011106MS1
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 11/30/2010 9:44:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 1011106MS1

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: 1011106MS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2380360.4	96.76	%	0.283				0.29%
Sc Radial	299987.9	100.7	%	0.92				0.91%
Ag 328.068†	4494.6	74.74	ug/L	0.590	74.74	ug/L	0.590	0.79%
Al 396.153†	14895.4	3100	ug/L	33.7	3100	ug/L	33.7	1.09%
As 193.696†	83.3	836.9	ug/L	17.87	836.9	ug/L	17.87	2.13%
Ba 233.527†	2658.9	214.8	ug/L	1.75	214.8	ug/L	1.75	0.81%
Be 313.107†	57991.9	199.6	ug/L	0.08	199.6	ug/L	0.08	0.04%
B 249.677†	1841.0	277.2	ug/L	1.45	277.2	ug/L	1.45	0.52%
Ca 317.933†	706327.2	239100	ug/L	1237.1	239100	ug/L	1237.1	0.52%
Cd 214.440†	697.9	210.1	ug/L	2.43	210.1	ug/L	2.43	1.16%
Co 228.616†	876.2	201.0	ug/L	1.36	201.0	ug/L	1.36	0.68%
Cr 267.716†	2281.4	380.3	ug/L	3.75	380.3	ug/L	3.75	0.99%
Cu 324.752†	52414.6	532.0	ug/L	2.26	532.0	ug/L	2.26	0.43%
Fe 238.204†	2032.0	14290	ug/L	157.4	14290	ug/L	157.4	1.10%
K 766.490†	20836.8	12010	ug/L	8.1	12010	ug/L	8.1	0.07%
Mg 285.213†	145057.3	22440	ug/L	102.4	22440	ug/L	102.4	0.46%
Mn 257.610†	322324.4	2322	ug/L	2.6	2322	ug/L	2.6	0.11%
Mo 202.031†	226.9	429.1	ug/L	3.34	429.1	ug/L	3.34	0.78%
Na 589.592†	79143.8	14390	ug/L	34.8	14390	ug/L	34.8	0.24%
Ni 231.604†	853.5	490.3	ug/L	5.50	490.3	ug/L	5.50	1.12%
Pb 220.353†	465.1	1018	ug/L	9.8	1018	ug/L	9.8	0.97%
Sb 206.836†	217.0	823.9	ug/L	9.11	823.9	ug/L	9.11	1.11%
Se 196.026†	192.2	2203	ug/L	29.9	2203	ug/L	29.9	1.36%
SiO2 251.603†	68755.2	20520	ug/L	85.8	20520	ug/L	85.8	0.42%
Sr 421.552†	Saturated2							
Ti 334.940†	43070.4	204.5	ug/L	0.94	204.5	ug/L	0.94	0.46%
Tl 190.801†	488.8	1910	ug/L	102.0	1910	ug/L	102.0	5.34%
V 290.880†	8466.2	298.5	ug/L	1.90	298.5	ug/L	1.90	0.64%
Zn 206.200†	4425.6	3962	ug/L	21.8	3962	ug/L	21.8	0.55%

Matrix Recovery Check: 1011106MS1

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Al 396.153	3172	3100	33.680	ug/L	96.4
Ca 317.933	237800	239100	1237.111	ug/L	238.9
Fe 238.204	14350	14290	157.394	ug/L	97.9
K 766.490	11450	12010	8.089	ug/L	105.6
Mg 285.213	22300	22440	102.406	ug/L	106.7
Na 589.592	14110	14390	34.758	ug/L	109.4
Ag 328.068	81.39	74.74	0.590	ug/L	91.1
As 193.696	792.7	836.9	17.867	ug/L	105.5
Ba 233.527	216.2	214.8	1.746	ug/L	99.3
Be 313.107	200.5	199.6	0.076	ug/L	99.6
B 249.677	267.8	277.2	1.452	ug/L	103.1
Cd 214.440	217.0	210.1	2.428	ug/L	96.5
Co 228.616	203.7	201.0	1.362	ug/L	98.6
Cr 267.716	402.5	380.3	3.752	ug/L	94.5
Cu 324.752	514.8	532.0	2.264	ug/L	105.8
Mn 257.610	2318	2322	2.555	ug/L	102.3
Mo 202.031	419.3	429.1	3.335	ug/L	102.4
Ni 231.604	507.4	490.3	5.497	ug/L	96.6
Pb 220.353	992.4	1018	9.821	ug/L	102.5
Sb 206.836	791.0	823.9	9.109	ug/L	104.1

Se 196.026	2152	2203	29.905	ug/L	102.5
SiO2 251.603	20080	20520	85.827	ug/L	122.4
Ti 334.940	200.6	204.5	0.935	ug/L	102.0
Tl 190.801	1982	1910	101.989	ug/L	96.4
V 290.880	290.1	298.5	1.904	ug/L	102.8
Zn 206.200	3922	3962	21.772	ug/L	119.6

Sequence No.: 48
Sample ID: 1011106-MSD1
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 11/30/2010 9:48:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 1011106-MSD1

Analyte	Back Pressure	Flow
All	116.0 kPa	0.80 L/min

Mean Data: 1011106-MSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2383695.2	96.89	%	0.791				0.82%
Sc Radial	300773.1	100.9	%	0.73				0.73%
Ag 328.068†	4438.1	73.79	ug/L	0.323	73.79	ug/L	0.323	0.44%
Al 396.153†	14729.6	3067	ug/L	19.7	3067	ug/L	19.7	0.64%
As 193.696†	82.8	832.5	ug/L	33.73	832.5	ug/L	33.73	4.05%
Ba 233.527†	2633.7	212.7	ug/L	2.79	212.7	ug/L	2.79	1.31%
Be 313.107†	58166.3	200.3	ug/L	0.43	200.3	ug/L	0.43	0.22%
B 249.677†	1808.4	272.3	ug/L	2.51	272.3	ug/L	2.51	0.92%
Ca 317.933†	693804.3	234900	ug/L	576.7	234900	ug/L	576.7	0.25%
Cd 214.440†	689.7	207.6	ug/L	3.35	207.6	ug/L	3.35	1.62%
Co 228.616†	874.0	200.5	ug/L	1.05	200.5	ug/L	1.05	0.53%
Cr 267.716†	2269.4	378.3	ug/L	2.81	378.3	ug/L	2.81	0.74%
Cu 324.752†	51887.2	526.7	ug/L	4.73	526.7	ug/L	4.73	0.90%
Fe 238.204†	1988.2	13980	ug/L	54.6	13980	ug/L	54.6	0.39%
K 766.490†	20747.4	11960	ug/L	101.7	11960	ug/L	101.7	0.85%
Mg 285.213†	142717.6	22080	ug/L	126.0	22080	ug/L	126.0	0.57%
Mn 257.610†	318277.3	2293	ug/L	9.4	2293	ug/L	9.4	0.41%
Mo 202.031†	221.2	418.1	ug/L	10.58	418.1	ug/L	10.58	2.53%
Na 589.592†	78374.3	14250	ug/L	110.1	14250	ug/L	110.1	0.77%
Ni 231.604†	851.3	489.0	ug/L	3.75	489.0	ug/L	3.75	0.77%
Pb 220.353†	462.4	1011	ug/L	16.2	1011	ug/L	16.2	1.60%
Sb 206.836†	218.7	830.2	ug/L	12.40	830.2	ug/L	12.40	1.49%
Se 196.026†	191.4	2194	ug/L	44.8	2194	ug/L	44.8	2.04%
SiO2 251.603†	67119.0	20040	ug/L	141.1	20040	ug/L	141.1	0.70%
Sr 421.552†	Saturated2							
Ti 334.940†	42438.0	201.5	ug/L	1.78	201.5	ug/L	1.78	0.88%
Tl 190.801†	484.1	1891	ug/L	103.3	1891	ug/L	103.3	5.46%
V 290.880†	8316.1	293.2	ug/L	3.73	293.2	ug/L	3.73	1.27%
Zn 206.200†	4244.6	3799	ug/L	39.8	3799	ug/L	39.8	1.05%

Matrix Recovery Check: 1011106-MSD1

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Al 396.153	3172	3067	19.668	ug/L	94.7
Ca 317.933	237800	234900	576.746	ug/L	-185.1
Fe 238.204	14350	13980	54.564	ug/L	87.7
K 766.490	11450	11960	101.684	ug/L	105.1
Mg 285.213	22300	22080	126.016	ug/L	88.6
Na 589.592	14110	14250	110.060	ug/L	104.7
Ag 328.068	81.39	73.79	0.323	ug/L	89.9
As 193.696	792.7	832.5	33.729	ug/L	105.0
Ba 233.527	216.2	212.7	2.789	ug/L	98.3
Be 313.107	200.5	200.3	0.433	ug/L	99.9
B 249.677	267.8	272.3	2.514	ug/L	101.5
Cd 214.440	217.0	207.6	3.354	ug/L	95.3
Co 228.616	203.7	200.5	1.053	ug/L	98.4
Cr 267.716	402.5	378.3	2.807	ug/L	93.9
Cu 324.752	514.8	526.7	4.732	ug/L	104.0
Mn 257.610	2318	2293	9.359	ug/L	87.7
Mo 202.031	419.3	418.1	10.583	ug/L	99.7
Ni 231.604	507.4	489.0	3.745	ug/L	96.3
Pb 220.353	992.4	1011	16.230	ug/L	101.9
Sb 206.836	791.0	830.2	12.404	ug/L	104.9

Se 196.026	2152	2194	44.791	ug/L	102.1
SiO2 251.603	20080	20040	141.093	ug/L	98.0
Ti 334.940	200.6	201.5	1.783	ug/L	100.5
Tl 190.801	1982	1891	103.273	ug/L	95.4
V 290.880	290.1	293.2	3.728	ug/L	101.0
Zn 206.200	3922	3799	39.831	ug/L	38.5

Sequence No.: 49
Sample ID: 1011016-PS1
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 11/30/2010 9:52:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 1011016-PS1

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: 1011016-PS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2360018.6	95.93	%	0.351				0.37%
Sc Radial	299617.1	100.6	%	0.45				0.45%
Ag 328.068†	6155.0	101.1	ug/L	0.62	101.1	ug/L	0.62	0.62%
Al 396.153†	55222.3	11750	ug/L	137.4	11750	ug/L	137.4	1.17%
As 193.696†	10.0	111.9	ug/L	34.69	111.9	ug/L	34.69	31.01%
Ba 233.527†	1438.2	115.1	ug/L	0.60	115.1	ug/L	0.60	0.52%
Be 313.107†	28772.8	98.86	ug/L	1.943	98.86	ug/L	1.943	1.97%
B 249.677†	-280.4	-42.21	ug/L	0.204	-42.21	ug/L	0.204	0.48%
Ca 317.933†	712710.3	241300	ug/L	1889.6	241300	ug/L	1889.6	0.78%
Cd 214.440†	372.7	112.3	ug/L	1.25	112.3	ug/L	1.25	1.12%
Co 228.616†	433.6	99.57	ug/L	0.692	99.57	ug/L	0.692	0.69%
Cr 267.716†	570.0	95.96	ug/L	0.742	95.96	ug/L	0.742	0.77%
Cu 324.752†	30257.4	306.8	ug/L	4.24	306.8	ug/L	4.24	1.38%
Fe 238.204†	3003.6	21130	ug/L	267.5	21130	ug/L	267.5	1.27%
K 766.490†	21442.3	12390	ug/L	114.8	12390	ug/L	114.8	0.93%
Mg 285.213†	195264.5	30210	ug/L	254.7	30210	ug/L	254.7	0.84%
Mn 257.610†	299049.3	2155	ug/L	5.4	2155	ug/L	5.4	0.25%
Mo 202.031†	60.2	111.2	ug/L	3.55	111.2	ug/L	3.55	3.19%
Na 589.592†	118548.9	21600	ug/L	252.6	21600	ug/L	252.6	1.17%
Ni 231.604†	177.6	99.93	ug/L	0.547	99.93	ug/L	0.547	0.55%
Pb 220.353†	43.5	103.5	ug/L	1.19	103.5	ug/L	1.19	1.15%
Sb 206.836†	21.7	79.29	ug/L	23.625	79.29	ug/L	23.625	29.80%
Se 196.026†	58.8	661.4	ug/L	10.94	661.4	ug/L	10.94	1.65%
SiO2 251.603†	59423.1	17740	ug/L	311.2	17740	ug/L	311.2	1.75%
Sr 421.552†	Saturated2							
Ti 334.940†	-41.9	-0.199	ug/L	0.1274	-0.199	ug/L	0.1274	64.05%
Tl 190.801†	26.1	90.00	ug/L	20.583	90.00	ug/L	20.583	22.87%
V 290.880†	2803.1	93.69	ug/L	2.770	93.69	ug/L	2.770	2.96%
Zn 206.200†	4053.6	3630	ug/L	16.1	3630	ug/L	16.1	0.44%

Matrix Recovery Check: 1011016-PS1

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Al 396.153	11270	11750	137.377	ug/L	104.8
Ca 317.933	246900	241300	1889.579	ug/L	45.2
Fe 238.204	21450	21130	267.530	ug/L	96.9
K 766.490	11550	12390	114.827	ug/L	108.3
Mg 285.213	30400	30210	254.714	ug/L	98.1
Na 589.592	21210	21600	252.610	ug/L	103.9
Ag 328.068	106.4	101.1	0.624	ug/L	94.7
As 193.696	92.71	111.9	34.693	ug/L	119.2
Ba 233.527	116.2	115.1	0.597	ug/L	98.9
Be 313.107	100.5	98.86	1.943	ug/L	98.4
Cd 214.440	117.0	112.3	1.255	ug/L	95.3
Co 228.616	103.7	99.57	0.692	ug/L	95.9
Cr 267.716	102.5	95.96	0.742	ug/L	93.5
Cu 324.752	314.8	306.8	4.239	ug/L	92.0
Mn 257.610	2218	2155	5.413	ug/L	36.9
Mo 202.031	119.3	111.2	3.550	ug/L	91.9
Ni 231.604	107.4	99.93	0.547	ug/L	92.5
Pb 220.353	92.43	103.5	1.191	ug/L	111.1
Sb 206.836	90.99	79.29	23.625	ug/L	88.3
Se 196.026	651.7	661.4	10.943	ug/L	101.9

SiO2 251.603	23080	17740	311.164	ug/L	-6.8
Tl 190.801	82.48	90.00	20.583	ug/L	107.5
V 290.880	90.08	93.69	2.770	ug/L	103.6
Zn 206.200	3822	3630	16.105	ug/L	-91.9

Sequence No.: 50
Sample ID: C101104-53
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 11/30/2010 9:56:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-53

Analyte	Back Pressure	Flow
All	116.0 kPa	0.80 L/min

Mean Data: C101104-53

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2347597.0	95.43	%	0.547				0.57%
Sc Radial	296844.2	99.62	%	0.192				0.19%
Ag 328.068†	-28.1	0.5717	ug/L	0.31708	0.5717	ug/L	0.31708	55.47%
Al 396.153†	5706.6	1147	ug/L	8.2	1147	ug/L	8.2	0.71%
As 193.696†	1.4	14.05	ug/L	19.189	14.05	ug/L	19.189	136.57%
Ba 233.527†	253.0	18.43	ug/L	0.150	18.43	ug/L	0.150	0.81%
Be 313.107†	297.9	0.6637	ug/L	0.04408	0.6637	ug/L	0.04408	6.64%
B 249.677†	-265.6	-39.99	ug/L	0.717	-39.99	ug/L	0.717	1.79%
Ca 317.933†	707037.2	239400	ug/L	2179.8	239400	ug/L	2179.8	0.91%
Cd 214.440†	58.5	17.74	ug/L	0.561	17.74	ug/L	0.561	3.17%
Co 228.616†	16.5	4.213	ug/L	1.3715	4.213	ug/L	1.3715	32.56%
Cr 267.716†	-1.0	0.7071	ug/L	0.53972	0.7071	ug/L	0.53972	76.33%
Cu 324.752†	21987.8	222.8	ug/L	1.71	222.8	ug/L	1.71	0.77%
Fe 238.204†	1664.4	11710	ug/L	74.0	11710	ug/L	74.0	0.63%
K 766.490†	2990.8	1772	ug/L	4.7	1772	ug/L	4.7	0.27%
Mg 285.213†	133173.0	20600	ug/L	123.8	20600	ug/L	123.8	0.60%
Mn 257.610†	298697.2	2152	ug/L	1.8	2152	ug/L	1.8	0.08%
Mo 202.031†	10.4	16.21	ug/L	2.717	16.21	ug/L	2.717	16.76%
Na 589.592†	62137.1	11320	ug/L	44.7	11320	ug/L	44.7	0.39%
Ni 231.604†	14.9	6.482	ug/L	0.9032	6.482	ug/L	0.9032	13.93%
Pb 220.353†	1.1	10.89	ug/L	11.176	10.89	ug/L	11.176	102.66%
Sb 206.836†	-0.3	-4.030	ug/L	4.5442	-4.030	ug/L	4.5442	112.75%
Se 196.026†	13.6	138.8	ug/L	60.85	138.8	ug/L	60.85	43.84%
SiO2 251.603†	62203.7	18570	ug/L	277.7	18570	ug/L	277.7	1.50%
Sr 421.552†	Saturated2							
Ti 334.940†	4.7	0.022	ug/L	0.0392	0.022	ug/L	0.0392	174.33%
Tl 190.801†	0.2	-11.13	ug/L	1.931	-11.13	ug/L	1.931	17.34%
V 290.880†	77.6	-2.809	ug/L	0.2035	-2.809	ug/L	0.2035	7.24%
Zn 206.200†	4207.2	3769	ug/L	22.4	3769	ug/L	22.4	0.60%

Sequence No.: 51
Sample ID: C101104-56
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 11/30/2010 10:00:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-56

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: C101104-56

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2360854.2	95.97	%	0.141				0.15%
Sc Radial	298376.1	100.1	%	0.38				0.38%
Ag 328.068†	0.2	0.4932	ug/L	0.20245	0.4932	ug/L	0.20245	41.05%
Al 396.153†	1225.6	185.4	ug/L	6.54	185.4	ug/L	6.54	3.53%
As 193.696†	-1.5	-18.38	ug/L	28.698	-18.38	ug/L	28.698	156.15%
Ba 233.527†	230.6	16.65	ug/L	0.592	16.65	ug/L	0.592	3.56%
Be 313.107†	54.6	-0.1741	ug/L	0.02699	-0.1741	ug/L	0.02699	15.51%
B 249.677†	-264.4	-39.80	ug/L	0.862	-39.80	ug/L	0.862	2.17%
Ca 317.933†	730316.2	247300	ug/L	1848.9	247300	ug/L	1848.9	0.75%
Cd 214.440†	36.4	11.10	ug/L	1.203	11.10	ug/L	1.203	10.84%
Co 228.616†	9.9	2.939	ug/L	1.2276	2.939	ug/L	1.2276	41.77%
Cr 267.716†	-3.0	0.4807	ug/L	0.30678	0.4807	ug/L	0.30678	63.82%
Cu 324.752†	3271.3	32.86	ug/L	0.459	32.86	ug/L	0.459	1.40%
Fe 238.204†	250.1	1745	ug/L	27.5	1745	ug/L	27.5	1.58%
K 766.490†	4053.1	2383	ug/L	20.3	2383	ug/L	20.3	0.85%
Mg 285.213†	148112.4	22910	ug/L	130.8	22910	ug/L	130.8	0.57%
Mn 257.610†	268973.7	1938	ug/L	1.0	1938	ug/L	1.0	0.05%
Mo 202.031†	4.3	4.104	ug/L	2.8043	4.104	ug/L	2.8043	68.34%
Na 589.592†	72507.5	13220	ug/L	24.8	13220	ug/L	24.8	0.19%
Ni 231.604†	11.3	4.776	ug/L	0.8728	4.776	ug/L	0.8728	18.27%
Pb 220.353†	-10.2	-14.08	ug/L	12.246	-14.08	ug/L	12.246	87.00%
Sb 206.836†	-2.7	-12.71	ug/L	4.270	-12.71	ug/L	4.270	33.59%
Se 196.026†	14.0	140.6	ug/L	52.03	140.6	ug/L	52.03	37.01%
SiO2 251.603†	58016.5	17330	ug/L	43.5	17330	ug/L	43.5	0.25%
Sr 421.552†	Saturated2							
Ti 334.940†	-22.3	-0.106	ug/L	0.0144	-0.106	ug/L	0.0144	13.56%
Tl 190.801†	0.4	-9.739	ug/L	17.6118	-9.739	ug/L	17.6118	180.84%
V 290.880†	31.9	-3.382	ug/L	0.3647	-3.382	ug/L	0.3647	10.79%
Zn 206.200†	2761.4	2475	ug/L	7.0	2475	ug/L	7.0	0.28%

Sequence No.: 52
Sample ID: C101104-59
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 11/30/2010 10:04:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-59

Analyte	Back Pressure	Flow
All	116.0 kPa	0.80 L/min

Mean Data: C101104-59

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2439475.4	99.16	%	0.335				0.34%
Sc Radial	302084.7	101.4	%	0.87				0.85%
Ag 328.068†	-6.7	1.172	ug/L	0.1996	1.172	ug/L	0.1996	17.03%
Al 396.153†	377.2	72.32	ug/L	0.860	72.32	ug/L	0.860	1.19%
As 193.696†	-0.8	-9.972	ug/L	20.5478	-9.972	ug/L	20.5478	206.06%
Ba 233.527†	746.1	59.96	ug/L	0.427	59.96	ug/L	0.427	0.71%
Be 313.107†	-14.7	-0.1876	ug/L	0.01317	-0.1876	ug/L	0.01317	7.02%
B 249.677†	-106.1	-15.97	ug/L	0.644	-15.97	ug/L	0.644	4.03%
Ca 317.933†	195102.5	66050	ug/L	288.7	66050	ug/L	288.7	0.44%
Cd 214.440†	-0.4	-0.0607	ug/L	0.30598	-0.0607	ug/L	0.30598	504.49%
Co 228.616†	-1.2	-0.0334	ug/L	1.21875	-0.0334	ug/L	1.21875	>999.9%
Cr 267.716†	2.1	1.192	ug/L	0.4376	1.192	ug/L	0.4376	36.70%
Cu 324.752†	363.5	4.022	ug/L	0.2619	4.022	ug/L	0.2619	6.51%
Fe 238.204†	37.6	255.6	ug/L	7.35	255.6	ug/L	7.35	2.88%
K 766.490†	2029.0	1138	ug/L	13.8	1138	ug/L	13.8	1.22%
Mg 285.213†	57752.0	8935	ug/L	26.6	8935	ug/L	26.6	0.30%
Mn 257.610†	33269.1	239.4	ug/L	0.82	239.4	ug/L	0.82	0.34%
Mo 202.031†	4.3	7.662	ug/L	3.7799	7.662	ug/L	3.7799	49.33%
Na 589.592†	24199.3	4402	ug/L	14.6	4402	ug/L	14.6	0.33%
Ni 231.604†	5.2	3.013	ug/L	1.4478	3.013	ug/L	1.4478	48.05%
Pb 220.353†	-6.4	-14.13	ug/L	4.677	-14.13	ug/L	4.677	33.10%
Sb 206.836†	-2.7	-14.35	ug/L	11.471	-14.35	ug/L	11.471	79.96%
Se 196.026†	8.2	91.99	ug/L	31.879	91.99	ug/L	31.879	34.66%
SiO2 251.603†	28303.1	8430	ug/L	19.6	8430	ug/L	19.6	0.23%
Sr 421.552†	1197929.7	744.8	ug/L	1.41	744.8	ug/L	1.41	0.19%
Ti 334.940†	48.9	0.232	ug/L	0.0765	0.232	ug/L	0.0765	32.97%
Tl 190.801†	-2.6	-15.05	ug/L	19.052	-15.05	ug/L	19.052	126.57%
V 290.880†	-37.7	-3.873	ug/L	0.4789	-3.873	ug/L	0.4789	12.36%
Zn 206.200†	160.8	142.8	ug/L	1.59	142.8	ug/L	1.59	1.11%

Sequence No.: 53
Sample ID: C101104-62
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 11/30/2010 10:08:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-62

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-62

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2428351.4	98.71	%	0.296				0.30%
Sc Radial	303272.4	101.8	%	0.82				0.81%
Ag 328.068†	0.9	1.293	ug/L	0.2187	1.293	ug/L	0.2187	16.91%
Al 396.153†	304.2	56.31	ug/L	2.818	56.31	ug/L	2.818	5.00%
As 193.696†	-1.7	-18.72	ug/L	20.129	-18.72	ug/L	20.129	107.52%
Ba 233.527†	750.6	60.32	ug/L	0.333	60.32	ug/L	0.333	0.55%
Be 313.107†	-10.7	-0.1750	ug/L	0.05991	-0.1750	ug/L	0.05991	34.24%
B 249.677†	-161.6	-24.33	ug/L	0.885	-24.33	ug/L	0.885	3.64%
Ca 317.933†	197598.2	66900	ug/L	128.3	66900	ug/L	128.3	0.19%
Cd 214.440†	1.2	0.4184	ug/L	0.05435	0.4184	ug/L	0.05435	12.99%
Co 228.616†	1.5	0.6007	ug/L	0.56574	0.6007	ug/L	0.56574	94.18%
Cr 267.716†	0.5	0.9359	ug/L	0.41361	0.9359	ug/L	0.41361	44.19%
Cu 324.752†	307.5	3.453	ug/L	0.1188	3.453	ug/L	0.1188	3.44%
Fe 238.204†	30.8	207.9	ug/L	27.65	207.9	ug/L	27.65	13.30%
K 766.490†	2053.4	1152	ug/L	7.8	1152	ug/L	7.8	0.68%
Mg 285.213†	58374.1	9031	ug/L	25.1	9031	ug/L	25.1	0.28%
Mn 257.610†	33052.3	237.8	ug/L	1.72	237.8	ug/L	1.72	0.72%
Mo 202.031†	5.1	9.321	ug/L	3.3142	9.321	ug/L	3.3142	35.56%
Na 589.592†	24328.4	4426	ug/L	20.5	4426	ug/L	20.5	0.46%
Ni 231.604†	3.1	1.783	ug/L	1.5635	1.783	ug/L	1.5635	87.70%
Pb 220.353†	-14.3	-31.47	ug/L	10.415	-31.47	ug/L	10.415	33.09%
Sb 206.836†	0.4	-2.524	ug/L	6.2055	-2.524	ug/L	6.2055	245.91%
Se 196.026†	6.6	73.50	ug/L	15.482	73.50	ug/L	15.482	21.06%
SiO2 251.603†	28601.6	8519	ug/L	80.5	8519	ug/L	80.5	0.95%
Sr 421.552†	1200675.2	746.5	ug/L	0.61	746.5	ug/L	0.61	0.08%
Ti 334.940†	16.7	0.079	ug/L	0.0391	0.079	ug/L	0.0391	49.34%
Tl 190.801†	-0.6	-7.378	ug/L	8.1479	-7.378	ug/L	8.1479	110.43%
V 290.880†	-37.9	-3.877	ug/L	0.5275	-3.877	ug/L	0.5275	13.60%
Zn 206.200†	160.4	142.4	ug/L	3.05	142.4	ug/L	3.05	2.14%

Sequence No.: 54
Sample ID: C101104-65
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 11/30/2010 10:11:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-65

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-65

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2460515.6	100.0	%	0.68				0.68%
Sc Radial	303633.8	101.9	%	0.66				0.65%
Ag 328.068†	17.4	0.2796	ug/L	0.29542	0.2796	ug/L	0.29542	105.67%
Al 396.153†	10.0	2.209	ug/L	4.2359	2.209	ug/L	4.2359	191.78%
As 193.696†	-0.1	-0.8503	ug/L	12.69102	-0.8503	ug/L	12.69102	>999.9%
Ba 233.527†	-0.8	-0.0654	ug/L	0.10275	-0.0654	ug/L	0.10275	157.06%
Be 313.107†	-20.4	-0.0705	ug/L	0.04754	-0.0705	ug/L	0.04754	67.48%
B 249.677†	1.6	0.2381	ug/L	0.54499	0.2381	ug/L	0.54499	228.93%
Ca 317.933†	18.3	6.188	ug/L	0.5540	6.188	ug/L	0.5540	8.95%
Cd 214.440†	1.5	0.4548	ug/L	0.44420	0.4548	ug/L	0.44420	97.68%
Co 228.616†	-2.3	-0.5280	ug/L	0.21586	-0.5280	ug/L	0.21586	40.88%
Cr 267.716†	2.1	0.3418	ug/L	0.22661	0.3418	ug/L	0.22661	66.30%
Cu 324.752†	142.3	1.443	ug/L	0.1370	1.443	ug/L	0.1370	9.49%
Fe 238.204†	2.4	17.23	ug/L	23.827	17.23	ug/L	23.827	138.32%
K 766.490†	24.1	13.74	ug/L	12.751	13.74	ug/L	12.751	92.82%
Mg 285.213†	8.4	1.295	ug/L	0.4902	1.295	ug/L	0.4902	37.84%
Mn 257.610†	46.9	0.3388	ug/L	0.01763	0.3388	ug/L	0.01763	5.21%
Mo 202.031†	-0.5	-1.010	ug/L	0.5982	-1.010	ug/L	0.5982	59.20%
Na 589.592†	40.1	7.332	ug/L	6.3281	7.332	ug/L	6.3281	86.30%
Ni 231.604†	2.0	1.136	ug/L	0.9577	1.136	ug/L	0.9577	84.32%
Pb 220.353†	-1.7	-3.780	ug/L	4.2096	-3.780	ug/L	4.2096	111.36%
Sb 206.836†	1.2	4.596	ug/L	0.8414	4.596	ug/L	0.8414	18.31%
Se 196.026†	-0.5	-5.367	ug/L	21.2427	-5.367	ug/L	21.2427	395.84%
SiO2 251.603†	-34.9	-10.44	ug/L	2.630	-10.44	ug/L	2.630	25.20%
Sr 421.552†	126.8	0.079	ug/L	0.0140	0.079	ug/L	0.0140	17.70%
Ti 334.940†	17.1	0.081	ug/L	0.0215	0.081	ug/L	0.0215	26.47%
Tl 190.801†	1.1	4.190	ug/L	7.6984	4.190	ug/L	7.6984	183.75%
V 290.880†	-83.3	-2.996	ug/L	0.4791	-2.996	ug/L	0.4791	15.99%
Zn 206.200†	2.6	2.328	ug/L	0.6388	2.328	ug/L	0.6388	27.43%

Sequence No.: 55
Sample ID: Blank
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 11/30/2010 10:14:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Blank

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: Blank

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2465813.5	100.2	%	0.32				0.32%
Sc Radial	303270.5	101.8	%	0.08				0.08%
Ag 328.068†	6.1	0.0957	ug/L	0.04422	0.0957	ug/L	0.04422	46.22%
Al 396.153†	3.5	0.7216	ug/L	1.03249	0.7216	ug/L	1.03249	143.07%
As 193.696†	1.4	14.36	ug/L	12.133	14.36	ug/L	12.133	84.52%
Ba 233.527†	-1.5	-0.1238	ug/L	0.10406	-0.1238	ug/L	0.10406	84.08%
Be 313.107†	-19.2	-0.0662	ug/L	0.02775	-0.0662	ug/L	0.02775	41.94%
B 249.677†	-15.5	-2.334	ug/L	0.5199	-2.334	ug/L	0.5199	22.28%
Ca 317.933†	-4.1	-1.388	ug/L	1.4442	-1.388	ug/L	1.4442	104.01%
Cd 214.440†	-0.2	-0.0601	ug/L	0.69827	-0.0601	ug/L	0.69827	>999.9%
Co 228.616†	0.3	0.0632	ug/L	1.18414	0.0632	ug/L	1.18414	>999.9%
Cr 267.716†	-1.2	-0.1919	ug/L	0.15056	-0.1919	ug/L	0.15056	78.46%
Cu 324.752†	112.4	1.137	ug/L	0.1357	1.137	ug/L	0.1357	11.93%
Fe 238.204†	2.2	15.60	ug/L	9.498	15.60	ug/L	9.498	60.89%
K 766.490†	12.9	7.434	ug/L	12.7056	7.434	ug/L	12.7056	170.91%
Mg 285.213†	-1.7	-0.2537	ug/L	0.53606	-0.2537	ug/L	0.53606	211.27%
Mn 257.610†	-17.6	-0.1262	ug/L	0.02952	-0.1262	ug/L	0.02952	23.40%
Mo 202.031†	0.1	0.0966	ug/L	2.72587	0.0966	ug/L	2.72587	>999.9%
Na 589.592†	11.2	2.053	ug/L	5.1799	2.053	ug/L	5.1799	252.31%
Ni 231.604†	2.3	1.325	ug/L	0.5007	1.325	ug/L	0.5007	37.77%
Pb 220.353†	-0.7	-1.572	ug/L	2.2134	-1.572	ug/L	2.2134	140.79%
Sb 206.836†	-1.2	-4.735	ug/L	11.9581	-4.735	ug/L	11.9581	252.56%
Se 196.026†	-1.0	-11.26	ug/L	16.084	-11.26	ug/L	16.084	142.80%
SiO2 251.603†	-26.2	-7.890	ug/L	0.3221	-7.890	ug/L	0.3221	4.08%
Sr 421.552†	9.6	0.006	ug/L	0.0108	0.006	ug/L	0.0108	180.18%
Ti 334.940†	5.8	0.028	ug/L	0.0104	0.028	ug/L	0.0104	37.52%
Tl 190.801†	0.3	1.179	ug/L	1.4847	1.179	ug/L	1.4847	125.87%
V 290.880†	-70.1	-2.511	ug/L	0.7642	-2.511	ug/L	0.7642	30.44%
Zn 206.200†	0.8	0.718	ug/L	1.1722	0.718	ug/L	1.1722	163.36%

Sequence No.: 56
Sample ID: SEQ-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 11/30/2010 10:17:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCV

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: SEQ-CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2452852.5	99.71	%	0.493				0.49%
Sc Radial	306589.3	102.9	%	1.39				1.35%
Ag 328.068†	16048.8	262.5	ug/L	2.34	262.5	ug/L	2.34	0.89%
QC value within limits for Ag 328.068 Recovery = 104.99%								
Al 396.153†	60119.4	12880	ug/L	100.5	12880	ug/L	100.5	0.78%
QC value within limits for Al 396.153 Recovery = 103.02%								
As 193.696†	262.3	2640	ug/L	37.7	2640	ug/L	37.7	1.43%
QC value within limits for As 193.696 Recovery = 105.61%								
Ba 233.527†	6203.4	505.7	ug/L	9.70	505.7	ug/L	9.70	1.92%
QC value within limits for Ba 233.527 Recovery = 101.14%								
Be 313.107†	149120.9	514.2	ug/L	1.15	514.2	ug/L	1.15	0.22%
QC value within limits for Be 313.107 Recovery = 102.84%								
B 249.677†	34217.5	5151	ug/L	43.3	5151	ug/L	43.3	0.84%
QC value within limits for B 249.677 Recovery = 103.03%								
Ca 317.933†	37404.4	12600	ug/L	126.9	12600	ug/L	126.9	1.01%
QC value within limits for Ca 317.933 Recovery = 100.82%								
Cd 214.440†	1677.7	504.7	ug/L	0.65	504.7	ug/L	0.65	0.13%
QC value within limits for Cd 214.440 Recovery = 100.94%								
Co 228.616†	2246.4	513.8	ug/L	3.98	513.8	ug/L	3.98	0.77%
QC value within limits for Co 228.616 Recovery = 102.76%								
Cr 267.716†	14974.9	2489	ug/L	50.1	2489	ug/L	50.1	2.01%
QC value within limits for Cr 267.716 Recovery = 99.56%								
Cu 324.752†	103327.8	1050	ug/L	1.7	1050	ug/L	1.7	0.16%
QC value within limits for Cu 324.752 Recovery = 104.96%								
Fe 238.204†	1804.1	12680	ug/L	278.3	12680	ug/L	278.3	2.20%
QC value within limits for Fe 238.204 Recovery = 101.42%								
K 766.490†	44805.7	25690	ug/L	113.3	25690	ug/L	113.3	0.44%
QC value within limits for K 766.490 Recovery = 102.77%								
Mg 285.213†	83494.2	12910	ug/L	113.2	12910	ug/L	113.2	0.88%
QC value within limits for Mg 285.213 Recovery = 103.30%								
Mn 257.610†	143229.6	1031	ug/L	15.0	1031	ug/L	15.0	1.45%
QC value within limits for Mn 257.610 Recovery = 103.14%								
Mo 202.031†	265.3	505.4	ug/L	4.91	505.4	ug/L	4.91	0.97%
QC value within limits for Mo 202.031 Recovery = 101.07%								
Na 589.592†	71583.0	12950	ug/L	69.3	12950	ug/L	69.3	0.53%
QC value within limits for Na 589.592 Recovery = 103.62%								
Ni 231.604†	4385.2	2529	ug/L	17.7	2529	ug/L	17.7	0.70%
QC value within limits for Ni 231.604 Recovery = 101.15%								
Pb 220.353†	1190.7	2583	ug/L	12.6	2583	ug/L	12.6	0.49%
QC value within limits for Pb 220.353 Recovery = 103.32%								
Sb 206.836†	665.4	2511	ug/L	23.5	2511	ug/L	23.5	0.94%
QC value within limits for Sb 206.836 Recovery = 100.42%								
Se 196.026†	226.4	2620	ug/L	25.5	2620	ug/L	25.5	0.97%
QC value within limits for Se 196.026 Recovery = 104.82%								
SiO2 251.603†	34523.7	10280	ug/L	110.8	10280	ug/L	110.8	1.08%
QC value within limits for SiO2 251.603 Recovery = 102.77%								
Sr 421.552†	860948.2	535.3	ug/L	0.57	535.3	ug/L	0.57	0.11%
QC value within limits for Sr 421.552 Recovery = 107.06%								
Ti 334.940†	107435.0	510.2	ug/L	0.57	510.2	ug/L	0.57	0.11%
QC value within limits for Ti 334.940 Recovery = 102.04%								
Tl 190.801†	660.1	2598	ug/L	1.6	2598	ug/L	1.6	0.06%
QC value within limits for Tl 190.801 Recovery = 103.90%								
V 290.880†	28077.2	1006	ug/L	14.4	1006	ug/L	14.4	1.44%
QC value within limits for V 290.880 Recovery = 100.55%								

Zn 206.200†	2853.5	2549 ug/L	18.6	2549 ug/L	18.6	0.73%

QC value within limits for Zn 206.200 Recovery = 101.97%

All analyte(s) passed QC.

Sequence No.: 57
Sample ID: SEQ-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 11/30/2010 10:20:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCB

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: SEQ-CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2469931.4	100.4	%	0.58				0.58%
Sc Radial	301207.8	101.1	%	0.33				0.33%
Ag 328.068†	8.2	0.1349	ug/L	0.30896	0.1349	ug/L	0.30896	229.07%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	27.2	5.569	ug/L	2.3998	5.569	ug/L	2.3998	43.10%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 193.696†	-1.9	-18.68	ug/L	17.006	-18.68	ug/L	17.006	91.03%
QC value within limits for As 193.696 Recovery = Not calculated								
Ba 233.527†	-0.2	-0.0315	ug/L	0.13252	-0.0315	ug/L	0.13252	420.65%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-12.3	-0.0438	ug/L	0.03926	-0.0438	ug/L	0.03926	89.67%
QC value within limits for Be 313.107 Recovery = Not calculated								
B 249.677†	288.4	43.42	ug/L	4.284	43.42	ug/L	4.284	9.87%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 317.933†	2.1	0.6134	ug/L	0.98826	0.6134	ug/L	0.98826	161.11%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-1.1	-0.3189	ug/L	0.46032	-0.3189	ug/L	0.46032	144.34%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-3.7	-0.8485	ug/L	0.37790	-0.8485	ug/L	0.37790	44.53%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.2	0.3656	ug/L	0.48988	0.3656	ug/L	0.48988	133.99%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	121.3	1.235	ug/L	0.0993	1.235	ug/L	0.0993	8.04%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	2.7	18.84	ug/L	21.356	18.84	ug/L	21.356	113.36%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	55.0	30.86	ug/L	9.497	30.86	ug/L	9.497	30.77%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	14.2	2.157	ug/L	0.7876	2.157	ug/L	0.7876	36.51%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	7.5	0.0494	ug/L	0.03275	0.0494	ug/L	0.03275	66.35%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.5	6.712	ug/L	3.1836	6.712	ug/L	3.1836	47.43%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	20.5	3.580	ug/L	1.6174	3.580	ug/L	1.6174	45.18%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.2	1.856	ug/L	0.3299	1.856	ug/L	0.3299	17.77%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.0	-6.505	ug/L	6.4541	-6.505	ug/L	6.4541	99.22%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	12.3	47.04	ug/L	4.496	47.04	ug/L	4.496	9.56%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.4	4.275	ug/L	62.3006	4.275	ug/L	62.3006	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
SiO2 251.603†	7.6	2.300	ug/L	3.5470	2.300	ug/L	3.5470	154.24%
QC value within limits for SiO2 251.603 Recovery = Not calculated								
Sr 421.552†	111.1	0.069	ug/L	0.0058	0.069	ug/L	0.0058	8.35%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	77.2	0.367	ug/L	0.0552	0.367	ug/L	0.0552	15.04%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.6	-2.374	ug/L	6.7720	-2.374	ug/L	6.7720	285.20%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-59.6	-2.111	ug/L	0.4870	-2.111	ug/L	0.4870	23.06%
QC value within limits for V 290.880 Recovery = Not calculated								

Zn 206.200†	1.8	1.579 ug/L	1.3866	1.579 ug/L	1.3866	87.79%

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 58
Sample ID: C101104-68
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 11/30/2010 10:23:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-68

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-68

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2364328.3	96.11	%	0.231				0.24%
Sc Radial	299174.2	100.4	%	0.95				0.95%
Ag 328.068†	5.2	0.5801	ug/L	0.16275	0.5801	ug/L	0.16275	28.06%
Al 396.153†	1279.9	197.0	ug/L	11.67	197.0	ug/L	11.67	5.92%
As 193.696†	-1.1	-13.56	ug/L	33.267	-13.56	ug/L	33.267	245.30%
Ba 233.527†	231.0	16.67	ug/L	0.063	16.67	ug/L	0.063	0.38%
Be 313.107†	40.5	-0.2231	ug/L	0.06163	-0.2231	ug/L	0.06163	27.62%
B 249.677†	-144.8	-21.79	ug/L	0.562	-21.79	ug/L	0.562	2.58%
Ca 317.933†	729618.7	247100	ug/L	849.9	247100	ug/L	849.9	0.34%
Cd 214.440†	35.8	10.92	ug/L	0.451	10.92	ug/L	0.451	4.12%
Co 228.616†	8.5	2.621	ug/L	0.9827	2.621	ug/L	0.9827	37.49%
Cr 267.716†	-2.6	0.5458	ug/L	0.85948	0.5458	ug/L	0.85948	157.48%
Cu 324.752†	3495.3	35.14	ug/L	0.183	35.14	ug/L	0.183	0.52%
Fe 238.204†	266.2	1858	ug/L	12.8	1858	ug/L	12.8	0.69%
K 766.490†	3974.2	2336	ug/L	27.5	2336	ug/L	27.5	1.18%
Mg 285.213†	146948.5	22730	ug/L	267.4	22730	ug/L	267.4	1.18%
Mn 257.610†	270292.4	1948	ug/L	2.0	1948	ug/L	2.0	0.10%
Mo 202.031†	6.9	8.954	ug/L	4.0918	8.954	ug/L	4.0918	45.70%
Na 589.592†	71527.2	13040	ug/L	76.8	13040	ug/L	76.8	0.59%
Ni 231.604†	10.6	4.400	ug/L	0.2387	4.400	ug/L	0.2387	5.43%
Pb 220.353†	-8.7	-10.86	ug/L	3.304	-10.86	ug/L	3.304	30.43%
Sb 206.836†	8.2	29.03	ug/L	12.780	29.03	ug/L	12.780	44.02%
Se 196.026†	16.7	171.6	ug/L	76.39	171.6	ug/L	76.39	44.51%
SiO2 251.603†	57396.0	17140	ug/L	11.3	17140	ug/L	11.3	0.07%
Sr 421.552†	Saturated2							
Ti 334.940†	18.8	0.089	ug/L	0.0413	0.089	ug/L	0.0413	46.29%
Tl 190.801†	-1.8	-18.28	ug/L	14.978	-18.28	ug/L	14.978	81.95%
V 290.880†	58.3	-2.433	ug/L	0.0609	-2.433	ug/L	0.0609	2.50%
Zn 206.200†	2743.7	2459	ug/L	8.8	2459	ug/L	8.8	0.36%

Sequence No.: 59
Sample ID: C101104-71
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 11/30/2010 10:27:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-71

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: C101104-71

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2359393.9	95.91	%	0.534				0.56%
Sc Radial	297541.2	99.86	%	0.822				0.82%
Ag 328.068†	-17.4	5.721	ug/L	0.1946	5.721	ug/L	0.1946	3.40%
Al 396.153†	1358.2	289.9	ug/L	4.47	289.9	ug/L	4.47	1.54%
As 193.696†	4.0	33.72	ug/L	41.731	33.72	ug/L	41.731	123.77%
Ba 233.527†	222.2	13.17	ug/L	0.374	13.17	ug/L	0.374	2.84%
Be 313.107†	44.0	-0.3900	ug/L	0.06373	-0.3900	ug/L	0.06373	16.34%
B 249.677†	-218.4	-32.87	ug/L	1.177	-32.87	ug/L	1.177	3.58%
Ca 317.933†	705886.2	239000	ug/L	439.3	239000	ug/L	439.3	0.18%
Cd 214.440†	39.0	11.82	ug/L	0.573	11.82	ug/L	0.573	4.85%
Co 228.616†	7.3	2.404	ug/L	1.0293	2.404	ug/L	1.0293	42.82%
Cr 267.716†	-3.8	2.282	ug/L	0.3368	2.282	ug/L	0.3368	14.76%
Cu 324.752†	4072.2	42.94	ug/L	0.452	42.94	ug/L	0.452	1.05%
Fe 238.204†	303.5	2106	ug/L	22.6	2106	ug/L	22.6	1.07%
K 766.490†	3298.5	1640	ug/L	24.6	1640	ug/L	24.6	1.50%
Mg 285.213†	137837.1	21320	ug/L	204.6	21320	ug/L	204.6	0.96%
Mn 257.610†	270109.7	1946	ug/L	3.8	1946	ug/L	3.8	0.19%
Mo 202.031†	7.5	14.04	ug/L	3.669	14.04	ug/L	3.669	26.14%
Na 589.592†	63014.5	11430	ug/L	110.5	11430	ug/L	110.5	0.97%
Ni 231.604†	11.5	7.106	ug/L	0.5378	7.106	ug/L	0.5378	7.57%
Pb 220.353†	-6.0	-16.49	ug/L	11.505	-16.49	ug/L	11.505	69.78%
Sb 206.836†	2.2	-8.909	ug/L	16.5661	-8.909	ug/L	16.5661	185.95%
Se 196.026†	12.5	141.0	ug/L	12.27	141.0	ug/L	12.27	8.71%
SiO2 251.603†	52567.8	15610	ug/L	256.1	15610	ug/L	256.1	1.64%
Sr 421.552†	6205350.9	3858	ug/L	22.1	3858	ug/L	22.1	0.57%
Ti 334.940†	-18.6	-0.089	ug/L	0.0620	-0.089	ug/L	0.0620	70.06%
Tl 190.801†	-1.9	-26.52	ug/L	20.830	-26.52	ug/L	20.830	78.56%
V 290.880†	72.3	-9.006	ug/L	0.4718	-9.006	ug/L	0.4718	5.24%
Zn 206.200†	2889.8	2582	ug/L	23.9	2582	ug/L	23.9	0.92%

Sequence No.: 60
Sample ID: C101104-74
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 11/30/2010 10:32:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-74

Analyte	Back Pressure	Flow
All	118.0 kPa	0.80 L/min

Mean Data: C101104-74

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2372988.1	96.46	%	0.433				0.45%
Sc Radial	301052.7	101.0	%	0.10				0.10%
Ag 328.068†	-3.7	0.4216	ug/L	0.09728	0.4216	ug/L	0.09728	23.08%
Al 396.153†	1472.5	239.6	ug/L	10.71	239.6	ug/L	10.71	4.47%
As 193.696†	-0.8	-11.34	ug/L	8.712	-11.34	ug/L	8.712	76.84%
Ba 233.527†	227.7	16.47	ug/L	0.076	16.47	ug/L	0.076	0.46%
Be 313.107†	48.1	-0.1893	ug/L	0.03264	-0.1893	ug/L	0.03264	17.24%
B 249.677†	-247.3	-37.24	ug/L	0.441	-37.24	ug/L	0.441	1.18%
Ca 317.933†	717539.1	243000	ug/L	526.9	243000	ug/L	526.9	0.22%
Cd 214.440†	38.9	11.83	ug/L	0.633	11.83	ug/L	0.633	5.35%
Co 228.616†	11.9	3.374	ug/L	1.5393	3.374	ug/L	1.5393	45.63%
Cr 267.716†	1.4	1.140	ug/L	1.0508	1.140	ug/L	1.0508	92.21%
Cu 324.752†	4182.8	42.10	ug/L	0.063	42.10	ug/L	0.063	0.15%
Fe 238.204†	310.1	2168	ug/L	14.6	2168	ug/L	14.6	0.67%
K 766.490†	3279.9	1933	ug/L	19.0	1933	ug/L	19.0	0.98%
Mg 285.213†	138129.2	21370	ug/L	108.1	21370	ug/L	108.1	0.51%
Mn 257.610†	274987.5	1982	ug/L	3.4	1982	ug/L	3.4	0.17%
Mo 202.031†	7.6	10.56	ug/L	3.299	10.56	ug/L	3.299	31.24%
Na 589.592†	63134.7	11510	ug/L	53.5	11510	ug/L	53.5	0.46%
Ni 231.604†	10.0	4.068	ug/L	2.6795	4.068	ug/L	2.6795	65.87%
Pb 220.353†	-11.4	-16.75	ug/L	4.120	-16.75	ug/L	4.120	24.60%
Sb 206.836†	0.6	0.3414	ug/L	21.17069	0.3414	ug/L	21.17069	>999.9%
Se 196.026†	14.7	149.6	ug/L	93.53	149.6	ug/L	93.53	62.50%
SiO2 251.603†	53603.2	16010	ug/L	170.3	16010	ug/L	170.3	1.06%
Sr 421.552†	Saturated2							
Ti 334.940†	-27.6	-0.131	ug/L	0.0786	-0.131	ug/L	0.0786	59.89%
Tl 190.801†	-0.5	-12.85	ug/L	13.259	-12.85	ug/L	13.259	103.19%
V 290.880†	26.7	-3.485	ug/L	0.5682	-3.485	ug/L	0.5682	16.30%
Zn 206.200†	2916.6	2614	ug/L	6.4	2614	ug/L	6.4	0.25%

Sequence No.: 61
Sample ID: C101104-77
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 11/30/2010 10:36:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-77

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-77

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2358122.1	95.85	%	0.350				0.36%
Sc Radial	300199.7	100.8	%	0.47				0.47%
Ag 328.068†	-5.9	0.4156	ug/L	0.27947	0.4156	ug/L	0.27947	67.25%
Al 396.153†	1667.0	281.9	ug/L	9.02	281.9	ug/L	9.02	3.20%
As 193.696†	-0.9	-11.50	ug/L	20.276	-11.50	ug/L	20.276	176.33%
Ba 233.527†	223.5	16.12	ug/L	0.341	16.12	ug/L	0.341	2.11%
Be 313.107†	67.0	-0.1227	ug/L	0.01868	-0.1227	ug/L	0.01868	15.23%
B 249.677†	-255.2	-38.42	ug/L	0.171	-38.42	ug/L	0.171	0.45%
Ca 317.933†	712613.0	241300	ug/L	154.6	241300	ug/L	154.6	0.06%
Cd 214.440†	39.1	11.90	ug/L	0.365	11.90	ug/L	0.365	3.07%
Co 228.616†	9.1	2.723	ug/L	1.1784	2.723	ug/L	1.1784	43.28%
Cr 267.716†	-2.5	0.4687	ug/L	0.31817	0.4687	ug/L	0.31817	67.89%
Cu 324.752†	5158.8	52.02	ug/L	0.373	52.02	ug/L	0.373	0.72%
Fe 238.204†	379.9	2660	ug/L	10.0	2660	ug/L	10.0	0.38%
K 766.490†	3170.9	1871	ug/L	32.4	1871	ug/L	32.4	1.73%
Mg 285.213†	136442.2	21110	ug/L	46.7	21110	ug/L	46.7	0.22%
Mn 257.610†	277844.4	2002	ug/L	6.1	2002	ug/L	6.1	0.31%
Mo 202.031†	6.4	8.272	ug/L	6.7862	8.272	ug/L	6.7862	82.04%
Na 589.592†	62522.7	11400	ug/L	36.8	11400	ug/L	36.8	0.32%
Ni 231.604†	11.4	4.833	ug/L	0.9044	4.833	ug/L	0.9044	18.71%
Pb 220.353†	-12.4	-18.94	ug/L	15.667	-18.94	ug/L	15.667	82.74%
Sb 206.836†	-1.3	-7.235	ug/L	4.0388	-7.235	ug/L	4.0388	55.82%
Se 196.026†	20.0	211.1	ug/L	18.12	211.1	ug/L	18.12	8.58%
SiO2 251.603†	54114.5	16160	ug/L	210.9	16160	ug/L	210.9	1.30%
Sr 421.552†	Saturated2							
Ti 334.940†	8.1	0.038	ug/L	0.0168	0.038	ug/L	0.0168	43.90%
Tl 190.801†	-5.1	-31.19	ug/L	10.635	-31.19	ug/L	10.635	34.10%
V 290.880†	57.8	-2.444	ug/L	0.3291	-2.444	ug/L	0.3291	13.47%
Zn 206.200†	3035.4	2720	ug/L	18.7	2720	ug/L	18.7	0.69%

Sequence No.: 62
Sample ID: C101104-80
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 11/30/2010 10:40:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-80

Analyte	Back Pressure	Flow
All	121.0 kPa	0.80 L/min

Mean Data: C101104-80

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2361275.8	95.98	%	0.523				0.54%
Sc Radial	298429.5	100.2	%	0.68				0.68%
Ag 328.068†	-11.8	0.3852	ug/L	0.12833	0.3852	ug/L	0.12833	33.31%
Al 396.153†	2405.0	440.3	ug/L	14.46	440.3	ug/L	14.46	3.28%
As 193.696†	4.3	41.07	ug/L	16.380	41.07	ug/L	16.380	39.88%
Ba 233.527†	234.6	17.03	ug/L	0.324	17.03	ug/L	0.324	1.90%
Be 313.107†	114.0	0.0398	ug/L	0.00908	0.0398	ug/L	0.00908	22.82%
B 249.677†	-260.7	-39.25	ug/L	0.147	-39.25	ug/L	0.147	0.37%
Ca 317.933†	706560.3	239200	ug/L	117.8	239200	ug/L	117.8	0.05%
Cd 214.440†	48.6	14.76	ug/L	0.949	14.76	ug/L	0.949	6.43%
Co 228.616†	13.2	3.594	ug/L	0.1476	3.594	ug/L	0.1476	4.11%
Cr 267.716†	-3.3	0.2696	ug/L	0.28656	0.2696	ug/L	0.28656	106.28%
Cu 324.752†	8337.7	84.28	ug/L	1.004	84.28	ug/L	1.004	1.19%
Fe 238.204†	638.5	4481	ug/L	35.9	4481	ug/L	35.9	0.80%
K 766.490†	3069.1	1812	ug/L	18.5	1812	ug/L	18.5	1.02%
Mg 285.213†	134363.8	20790	ug/L	39.0	20790	ug/L	39.0	0.19%
Mn 257.610†	295581.1	2130	ug/L	5.8	2130	ug/L	5.8	0.27%
Mo 202.031†	6.3	8.078	ug/L	0.8504	8.078	ug/L	0.8504	10.53%
Na 589.592†	62106.3	11320	ug/L	50.4	11320	ug/L	50.4	0.44%
Ni 231.604†	15.1	6.900	ug/L	1.4048	6.900	ug/L	1.4048	20.36%
Pb 220.353†	-11.6	-17.30	ug/L	11.344	-17.30	ug/L	11.344	65.56%
Sb 206.836†	-2.4	-11.46	ug/L	9.038	-11.46	ug/L	9.038	78.86%
Se 196.026†	11.0	107.7	ug/L	30.23	107.7	ug/L	30.23	28.07%
SiO2 251.603†	55759.9	16650	ug/L	110.0	16650	ug/L	110.0	0.66%
Sr 421.552†	Saturated2							
Ti 334.940†	-20.5	-0.097	ug/L	0.1044	-0.097	ug/L	0.1044	107.36%
Tl 190.801†	-1.1	-15.90	ug/L	9.669	-15.90	ug/L	9.669	60.81%
V 290.880†	57.1	-2.680	ug/L	0.2956	-2.680	ug/L	0.2956	11.03%
Zn 206.200†	3701.2	3316	ug/L	26.1	3316	ug/L	26.1	0.79%

Sequence No.: 63
Sample ID: C101104-83
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 11/30/2010 10:44:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-83

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-83

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2368025.8	96.26	%	0.417				0.43%
Sc Radial	297680.5	99.91	%	0.739				0.74%
Ag 328.068†	13.9	5.709	ug/L	0.0459	5.709	ug/L	0.0459	0.80%
Al 396.153†	668.1	133.9	ug/L	5.64	133.9	ug/L	5.64	4.22%
As 193.696†	-1.2	-18.70	ug/L	36.064	-18.70	ug/L	36.064	192.91%
Ba 233.527†	172.3	9.094	ug/L	0.1051	9.094	ug/L	0.1051	1.16%
Be 313.107†	51.4	-0.3855	ug/L	0.03303	-0.3855	ug/L	0.03303	8.57%
B 249.677†	-253.9	-38.22	ug/L	0.370	-38.22	ug/L	0.370	0.97%
Ca 317.933†	771071.4	261000	ug/L	1409.3	261000	ug/L	1409.3	0.54%
Cd 214.440†	-0.1	0.1248	ug/L	0.03662	0.1248	ug/L	0.03662	29.34%
Co 228.616†	-3.2	0.0815	ug/L	0.82217	0.0815	ug/L	0.82217	>999.9%
Cr 267.716†	-7.5	1.219	ug/L	0.3214	1.219	ug/L	0.3214	26.38%
Cu 324.752†	277.1	4.200	ug/L	0.2520	4.200	ug/L	0.2520	6.00%
Fe 238.204†	98.3	660.0	ug/L	31.79	660.0	ug/L	31.79	4.82%
K 766.490†	4217.5	2178	ug/L	13.8	2178	ug/L	13.8	0.63%
Mg 285.213†	198846.4	30760	ug/L	206.1	30760	ug/L	206.1	0.67%
Mn 257.610†	401190.1	2890	ug/L	5.0	2890	ug/L	5.0	0.17%
Mo 202.031†	2.6	4.130	ug/L	6.2022	4.130	ug/L	6.2022	150.19%
Na 589.592†	57889.1	10500	ug/L	64.6	10500	ug/L	64.6	0.62%
Ni 231.604†	4.1	2.483	ug/L	1.9048	2.483	ug/L	1.9048	76.70%
Pb 220.353†	-11.7	-27.55	ug/L	16.651	-27.55	ug/L	16.651	60.43%
Sb 206.836†	-3.2	-28.38	ug/L	13.563	-28.38	ug/L	13.563	47.79%
Se 196.026†	13.9	153.3	ug/L	69.93	153.3	ug/L	69.93	45.62%
SiO2 251.603†	47073.6	13980	ug/L	21.3	13980	ug/L	21.3	0.15%
Sr 421.552†	5933112.2	3689	ug/L	7.3	3689	ug/L	7.3	0.20%
Ti 334.940†	-16.6	-0.079	ug/L	0.0530	-0.079	ug/L	0.0530	67.34%
Tl 190.801†	-1.4	-25.07	ug/L	10.974	-25.07	ug/L	10.974	43.77%
V 290.880†	29.0	-10.16	ug/L	0.758	-10.16	ug/L	0.758	7.46%
Zn 206.200†	288.4	252.8	ug/L	1.15	252.8	ug/L	1.15	0.46%

Sequence No.: 64
Sample ID: C101104-86
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 11/30/2010 10:48:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-86

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-86

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2366211.2	96.18	%	0.261				0.27%
Sc Radial	299678.3	100.6	%	0.97				0.97%
Ag 328.068†	2.1	6.023	ug/L	0.0722	6.023	ug/L	0.0722	1.20%
Al 396.153†	1904.7	406.9	ug/L	3.43	406.9	ug/L	3.43	0.84%
As 193.696†	1.4	7.848	ug/L	10.8248	7.848	ug/L	10.8248	137.92%
Ba 233.527†	229.0	13.78	ug/L	0.137	13.78	ug/L	0.137	0.99%
Be 313.107†	80.8	-0.2589	ug/L	0.05661	-0.2589	ug/L	0.05661	21.87%
B 249.677†	-264.5	-39.83	ug/L	0.327	-39.83	ug/L	0.327	0.82%
Ca 317.933†	699004.4	236600	ug/L	1217.6	236600	ug/L	1217.6	0.51%
Cd 214.440†	44.7	13.54	ug/L	0.512	13.54	ug/L	0.512	3.78%
Co 228.616†	10.4	3.073	ug/L	1.8170	3.073	ug/L	1.8170	59.12%
Cr 267.716†	-4.7	2.040	ug/L	0.1405	2.040	ug/L	0.1405	6.89%
Cu 324.752†	6283.3	65.36	ug/L	0.355	65.36	ug/L	0.355	0.54%
Fe 238.204†	467.7	3263	ug/L	35.2	3263	ug/L	35.2	1.08%
K 766.490†	2968.7	1453	ug/L	21.5	1453	ug/L	21.5	1.48%
Mg 285.213†	132279.7	20460	ug/L	349.4	20460	ug/L	349.4	1.71%
Mn 257.610†	284037.8	2046	ug/L	2.6	2046	ug/L	2.6	0.13%
Mo 202.031†	7.9	14.91	ug/L	4.547	14.91	ug/L	4.547	30.50%
Na 589.592†	61421.6	11140	ug/L	189.9	11140	ug/L	189.9	1.70%
Ni 231.604†	12.1	7.431	ug/L	0.9285	7.431	ug/L	0.9285	12.50%
Pb 220.353†	-9.9	-24.77	ug/L	9.797	-24.77	ug/L	9.797	39.54%
Sb 206.836†	-5.8	-39.24	ug/L	1.821	-39.24	ug/L	1.821	4.64%
Se 196.026†	6.9	76.51	ug/L	53.914	76.51	ug/L	53.914	70.47%
SiO2 251.603†	53528.2	15900	ug/L	159.7	15900	ug/L	159.7	1.00%
Sr 421.552†	6157961.7	3829	ug/L	12.5	3829	ug/L	12.5	0.33%
Saturated within auto integration window (code 4)								
Ti 334.940†	-29.2	-0.139	ug/L	0.0203	-0.139	ug/L	0.0203	14.66%
Tl 190.801†	-0.6	-21.41	ug/L	7.447	-21.41	ug/L	7.447	34.78%
V 290.880†	63.2	-9.372	ug/L	0.2306	-9.372	ug/L	0.2306	2.46%
Zn 206.200†	3210.4	2869	ug/L	15.3	2869	ug/L	15.3	0.53%

Sequence No.: 65
Sample ID: C101104-89
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 11/30/2010 10:53:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-89

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: C101104-89

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2362706.1	96.04	%	0.384				0.40%
Sc Radial	298626.5	100.2	%	0.57				0.57%
Ag 328.068†	-16.4	5.819	ug/L	0.1104	5.819	ug/L	0.1104	1.90%
Al 396.153†	2035.7	435.7	ug/L	8.40	435.7	ug/L	8.40	1.93%
As 193.696†	-0.9	-14.32	ug/L	62.281	-14.32	ug/L	62.281	434.91%
Ba 233.527†	229.1	13.73	ug/L	0.245	13.73	ug/L	0.245	1.78%
Be 313.107†	85.7	-0.2452	ug/L	0.03748	-0.2452	ug/L	0.03748	15.29%
B 249.677†	-267.0	-40.19	ug/L	1.006	-40.19	ug/L	1.006	2.50%
Ca 317.933†	700001.5	237000	ug/L	321.2	237000	ug/L	321.2	0.14%
Cd 214.440†	45.2	13.71	ug/L	0.636	13.71	ug/L	0.636	4.64%
Co 228.616†	14.6	4.029	ug/L	1.7811	4.029	ug/L	1.7811	44.21%
Cr 267.716†	-6.3	1.802	ug/L	0.2016	1.802	ug/L	0.2016	11.19%
Cu 324.752†	7022.3	72.90	ug/L	0.442	72.90	ug/L	0.442	0.61%
Fe 238.204†	514.1	3590	ug/L	32.8	3590	ug/L	32.8	0.91%
K 766.490†	2953.6	1441	ug/L	21.7	1441	ug/L	21.7	1.51%
Mg 285.213†	132403.8	20480	ug/L	240.7	20480	ug/L	240.7	1.18%
Mn 257.610†	285312.5	2055	ug/L	4.1	2055	ug/L	4.1	0.20%
Mo 202.031†	7.6	14.34	ug/L	6.511	14.34	ug/L	6.511	45.40%
Na 589.592†	61426.5	11140	ug/L	114.3	11140	ug/L	114.3	1.03%
Ni 231.604†	10.1	6.255	ug/L	1.2080	6.255	ug/L	1.2080	19.31%
Pb 220.353†	-6.2	-16.82	ug/L	5.421	-16.82	ug/L	5.421	32.23%
Sb 206.836†	-4.6	-35.24	ug/L	14.242	-35.24	ug/L	14.242	40.41%
Se 196.026†	17.0	192.9	ug/L	22.34	192.9	ug/L	22.34	11.58%
SiO2 251.603†	53776.7	15970	ug/L	49.9	15970	ug/L	49.9	0.31%
Sr 421.552†	6214609.6	3864	ug/L	16.8	3864	ug/L	16.8	0.44%
Ti 334.940†	-38.4	-0.182	ug/L	0.0512	-0.182	ug/L	0.0512	28.07%
Tl 190.801†	3.1	-6.921	ug/L	3.9948	-6.921	ug/L	3.9948	57.72%
V 290.880†	61.4	-9.604	ug/L	0.5954	-9.604	ug/L	0.5954	6.20%
Zn 206.200†	3291.0	2941	ug/L	29.7	2941	ug/L	29.7	1.01%

Sequence No.: 66
Sample ID: C101104-92
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 11/30/2010 10:57:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-92

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: C101104-92

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2364672.3	96.12	%	0.215				0.22%
Sc Radial	301414.4	101.2	%	1.08				1.07%
Ag 328.068†	0.1	0.5863	ug/L	0.16594	0.5863	ug/L	0.16594	28.30%
Al 396.153†	2382.7	435.4	ug/L	6.73	435.4	ug/L	6.73	1.55%
As 193.696†	-0.0	-2.354	ug/L	24.9952	-2.354	ug/L	24.9952	>999.9%
Ba 233.527†	233.5	16.94	ug/L	0.132	16.94	ug/L	0.132	0.78%
Be 313.107†	108.1	0.0195	ug/L	0.02416	0.0195	ug/L	0.02416	123.74%
B 249.677†	-270.1	-40.67	ug/L	0.523	-40.67	ug/L	0.523	1.29%
Ca 317.933†	706567.5	239200	ug/L	922.5	239200	ug/L	922.5	0.39%
Cd 214.440†	45.7	13.88	ug/L	0.242	13.88	ug/L	0.242	1.75%
Co 228.616†	17.6	4.604	ug/L	0.6782	4.604	ug/L	0.6782	14.73%
Cr 267.716†	-1.7	0.5363	ug/L	0.62419	0.5363	ug/L	0.62419	116.39%
Cu 324.752†	8741.5	88.38	ug/L	0.269	88.38	ug/L	0.269	0.30%
Fe 238.204†	649.1	4556	ug/L	76.9	4556	ug/L	76.9	1.69%
K 766.490†	2999.4	1772	ug/L	23.2	1772	ug/L	23.2	1.31%
Mg 285.213†	133455.8	20650	ug/L	300.6	20650	ug/L	300.6	1.46%
Mn 257.610†	292984.6	2111	ug/L	4.6	2111	ug/L	4.6	0.22%
Mo 202.031†	7.4	10.21	ug/L	4.154	10.21	ug/L	4.154	40.68%
Na 589.592†	61731.8	11250	ug/L	149.9	11250	ug/L	149.9	1.33%
Ni 231.604†	13.5	5.998	ug/L	3.8272	5.998	ug/L	3.8272	63.80%
Pb 220.353†	-8.0	-9.305	ug/L	5.5102	-9.305	ug/L	5.5102	59.22%
Sb 206.836†	0.1	-1.801	ug/L	5.0402	-1.801	ug/L	5.0402	279.81%
Se 196.026†	11.0	106.7	ug/L	60.72	106.7	ug/L	60.72	56.91%
SiO2 251.603†	56140.9	16760	ug/L	88.1	16760	ug/L	88.1	0.53%
Sr 421.552†	Saturated2							
Ti 334.940†	-17.4	-0.083	ug/L	0.0499	-0.083	ug/L	0.0499	60.35%
Tl 190.801†	-1.1	-15.78	ug/L	13.390	-15.78	ug/L	13.390	84.85%
V 290.880†	64.3	-2.408	ug/L	0.3309	-2.408	ug/L	0.3309	13.74%
Zn 206.200†	3564.4	3194	ug/L	31.3	3194	ug/L	31.3	0.98%

Sequence No.: 67
Sample ID: Blank
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 11/30/2010 11:01:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Blank

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: Blank

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2476842.3	100.7	%	0.56				0.55%
Sc Radial	304055.7	102.0	%	0.71				0.69%
Ag 328.068†	15.4	0.2429	ug/L	0.42266	0.2429	ug/L	0.42266	174.02%
Al 396.153†	-13.7	-2.920	ug/L	3.2536	-2.920	ug/L	3.2536	111.43%
As 193.696†	-2.2	-21.79	ug/L	13.702	-21.79	ug/L	13.702	62.89%
Ba 233.527†	0.3	0.0300	ug/L	0.04783	0.0300	ug/L	0.04783	159.58%
Be 313.107†	-11.6	-0.0398	ug/L	0.03636	-0.0398	ug/L	0.03636	91.39%
B 249.677†	-6.6	-0.9953	ug/L	0.12312	-0.9953	ug/L	0.12312	12.37%
Ca 317.933†	38.5	13.18	ug/L	3.643	13.18	ug/L	3.643	27.64%
Cd 214.440†	0.1	0.0355	ug/L	0.28140	0.0355	ug/L	0.28140	791.80%
Co 228.616†	1.2	0.2711	ug/L	0.04802	0.2711	ug/L	0.04802	17.71%
Cr 267.716†	0.2	0.0240	ug/L	0.52250	0.0240	ug/L	0.52250	>999.9%
Cu 324.752†	102.6	1.037	ug/L	0.1142	1.037	ug/L	0.1142	11.01%
Fe 238.204†	3.1	22.19	ug/L	17.541	22.19	ug/L	17.541	79.04%
K 766.490†	44.9	25.85	ug/L	20.012	25.85	ug/L	20.012	77.41%
Mg 285.213†	8.0	1.265	ug/L	0.6328	1.265	ug/L	0.6328	50.04%
Mn 257.610†	3.8	0.0299	ug/L	0.07359	0.0299	ug/L	0.07359	245.88%
Mo 202.031†	-0.2	-0.4560	ug/L	2.31718	-0.4560	ug/L	2.31718	508.14%
Na 589.592†	16.0	3.123	ug/L	4.8409	3.123	ug/L	4.8409	154.99%
Ni 231.604†	2.3	1.300	ug/L	0.6628	1.300	ug/L	0.6628	50.98%
Pb 220.353†	0.5	1.202	ug/L	6.8621	1.202	ug/L	6.8621	571.03%
Sb 206.836†	-1.0	-3.616	ug/L	10.5287	-3.616	ug/L	10.5287	291.19%
Se 196.026†	-2.8	-32.71	ug/L	41.253	-32.71	ug/L	41.253	126.11%
SiO2 251.603†	-12.8	-3.976	ug/L	1.3562	-3.976	ug/L	1.3562	34.11%
Sr 421.552†	451.7	0.281	ug/L	0.0819	0.281	ug/L	0.0819	29.17%
Ti 334.940†	3.3	0.016	ug/L	0.0334	0.016	ug/L	0.0334	210.29%
Tl 190.801†	-1.7	-6.643	ug/L	13.9134	-6.643	ug/L	13.9134	209.44%
V 290.880†	-57.5	-2.056	ug/L	0.6681	-2.056	ug/L	0.6681	32.49%
Zn 206.200†	1.4	1.323	ug/L	0.7463	1.323	ug/L	0.7463	56.40%

Sequence No.: 68
Sample ID: SEQ-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 11/30/2010 11:04:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCV

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: SEQ-CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2456530.8	99.85	%	0.313				0.31%
Sc Radial	305306.0	102.5	%	0.46				0.45%
Ag 328.068†	15988.9	261.5	ug/L	2.87	261.5	ug/L	2.87	1.10%
QC value within limits for Ag 328.068 Recovery = 104.61%								
Al 396.153†	60198.6	12890	ug/L	31.1	12890	ug/L	31.1	0.24%
QC value within limits for Al 396.153 Recovery = 103.15%								
As 193.696†	259.9	2617	ug/L	33.5	2617	ug/L	33.5	1.28%
QC value within limits for As 193.696 Recovery = 104.69%								
Ba 233.527†	6157.9	502.0	ug/L	5.08	502.0	ug/L	5.08	1.01%
QC value within limits for Ba 233.527 Recovery = 100.39%								
Be 313.107†	149070.8	514.0	ug/L	1.04	514.0	ug/L	1.04	0.20%
QC value within limits for Be 313.107 Recovery = 102.81%								
B 249.677†	34047.2	5126	ug/L	50.5	5126	ug/L	50.5	0.98%
QC value within limits for B 249.677 Recovery = 102.52%								
Ca 317.933†	37498.9	12630	ug/L	51.8	12630	ug/L	51.8	0.41%
QC value within limits for Ca 317.933 Recovery = 101.08%								
Cd 214.440†	1689.2	508.2	ug/L	4.16	508.2	ug/L	4.16	0.82%
QC value within limits for Cd 214.440 Recovery = 101.63%								
Co 228.616†	2250.7	514.8	ug/L	4.70	514.8	ug/L	4.70	0.91%
QC value within limits for Co 228.616 Recovery = 102.96%								
Cr 267.716†	14989.0	2491	ug/L	31.6	2491	ug/L	31.6	1.27%
QC value within limits for Cr 267.716 Recovery = 99.65%								
Cu 324.752†	102753.0	1044	ug/L	0.6	1044	ug/L	0.6	0.06%
QC value within limits for Cu 324.752 Recovery = 104.37%								
Fe 238.204†	1812.3	12740	ug/L	53.7	12740	ug/L	53.7	0.42%
QC value within limits for Fe 238.204 Recovery = 101.88%								
K 766.490†	44816.8	25700	ug/L	79.8	25700	ug/L	79.8	0.31%
QC value within limits for K 766.490 Recovery = 102.79%								
Mg 285.213†	83458.9	12910	ug/L	24.2	12910	ug/L	24.2	0.19%
QC value within limits for Mg 285.213 Recovery = 103.25%								
Mn 257.610†	142464.5	1026	ug/L	10.6	1026	ug/L	10.6	1.04%
QC value within limits for Mn 257.610 Recovery = 102.59%								
Mo 202.031†	265.1	504.9	ug/L	8.90	504.9	ug/L	8.90	1.76%
QC value within limits for Mo 202.031 Recovery = 100.99%								
Na 589.592†	71599.2	12960	ug/L	30.6	12960	ug/L	30.6	0.24%
QC value within limits for Na 589.592 Recovery = 103.64%								
Ni 231.604†	4394.5	2534	ug/L	15.5	2534	ug/L	15.5	0.61%
QC value within limits for Ni 231.604 Recovery = 101.37%								
Pb 220.353†	1187.0	2575	ug/L	34.0	2575	ug/L	34.0	1.32%
QC value within limits for Pb 220.353 Recovery = 103.00%								
Sb 206.836†	667.8	2520	ug/L	23.9	2520	ug/L	23.9	0.95%
QC value within limits for Sb 206.836 Recovery = 100.79%								
Se 196.026†	226.4	2621	ug/L	49.2	2621	ug/L	49.2	1.88%
QC value within limits for Se 196.026 Recovery = 104.86%								
SiO2 251.603†	34315.6	10210	ug/L	88.0	10210	ug/L	88.0	0.86%
QC value within limits for SiO2 251.603 Recovery = 102.15%								
Sr 421.552†	857973.2	533.4	ug/L	0.15	533.4	ug/L	0.15	0.03%
QC value within limits for Sr 421.552 Recovery = 106.69%								
Ti 334.940†	107265.6	509.4	ug/L	0.32	509.4	ug/L	0.32	0.06%
QC value within limits for Ti 334.940 Recovery = 101.88%								
Tl 190.801†	659.6	2595	ug/L	25.7	2595	ug/L	25.7	0.99%
QC value within limits for Tl 190.801 Recovery = 103.82%								
V 290.880†	27994.7	1003	ug/L	10.3	1003	ug/L	10.3	1.03%
QC value within limits for V 290.880 Recovery = 100.25%								

Zn 206.200†	2855.5	2551 ug/L	23.6	2551 ug/L	23.6	0.93%

QC value within limits for Zn 206.200 Recovery = 102.04%

All analyte(s) passed QC.

Sequence No.: 69
Sample ID: SEQ-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 11/30/2010 11:07:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCB

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: SEQ-CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2482266.6	100.9	%	1.00				1.00%
Sc Radial	306431.8	102.8	%	0.11				0.10%
Ag 328.068†	11.3	0.1862	ug/L	0.20557	0.1862	ug/L	0.20557	110.39%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	16.5	3.182	ug/L	2.7843	3.182	ug/L	2.7843	87.51%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 193.696†	-2.0	-19.92	ug/L	16.888	-19.92	ug/L	16.888	84.77%
QC value within limits for As 193.696 Recovery = Not calculated								
Ba 233.527†	2.5	0.1949	ug/L	0.22083	0.1949	ug/L	0.22083	113.30%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	13.0	0.0437	ug/L	0.02998	0.0437	ug/L	0.02998	68.58%
QC value within limits for Be 313.107 Recovery = Not calculated								
B 249.677†	283.1	42.62	ug/L	4.955	42.62	ug/L	4.955	11.63%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 317.933†	6.3	2.073	ug/L	1.7106	2.073	ug/L	1.7106	82.52%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	1.3	0.3915	ug/L	0.11544	0.3915	ug/L	0.11544	29.49%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	3.4	0.7780	ug/L	0.21696	0.7780	ug/L	0.21696	27.89%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	4.1	0.6857	ug/L	0.18873	0.6857	ug/L	0.18873	27.53%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	117.7	1.198	ug/L	0.2029	1.198	ug/L	0.2029	16.94%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	5.3	37.15	ug/L	7.226	37.15	ug/L	7.226	19.45%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	54.2	30.60	ug/L	16.163	30.60	ug/L	16.163	52.82%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	18.5	2.847	ug/L	0.9849	2.847	ug/L	0.9849	34.59%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	7.2	0.0481	ug/L	0.05368	0.0481	ug/L	0.05368	111.69%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.2	8.034	ug/L	1.5979	8.034	ug/L	1.5979	19.89%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	14.4	2.568	ug/L	3.2048	2.568	ug/L	3.2048	124.78%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.7	0.9586	ug/L	1.06780	0.9586	ug/L	1.06780	111.39%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-6.5	-14.12	ug/L	2.374	-14.12	ug/L	2.374	16.81%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	9.3	35.47	ug/L	14.662	35.47	ug/L	14.662	41.34%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.0	-0.1959	ug/L	33.39208	-0.1959	ug/L	33.39208	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
SiO2 251.603†	6.9	2.019	ug/L	1.1431	2.019	ug/L	1.1431	56.62%
QC value within limits for SiO2 251.603 Recovery = Not calculated								
Sr 421.552†	181.5	0.113	ug/L	0.0024	0.113	ug/L	0.0024	2.10%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	84.2	0.400	ug/L	0.0329	0.400	ug/L	0.0329	8.22%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.1	4.118	ug/L	4.0724	4.118	ug/L	4.0724	98.88%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-81.1	-2.869	ug/L	0.7375	-2.869	ug/L	0.7375	25.70%
QC value within limits for V 290.880 Recovery = Not calculated								

Zn 206.200†	1.6	1.441 ug/L	0.2644	1.441 ug/L	0.2644	18.35%

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 70
Sample ID: C101104-95
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 11/30/2010 11:10:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-95

Analyte	Back Pressure	Flow
All	116.0 kPa	0.80 L/min

Mean Data: C101104-95

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2375459.1	96.56	%	0.172				0.18%
Sc Radial	300589.7	100.9	%	1.02				1.02%
Ag 328.068†	2.8	0.6171	ug/L	0.11689	0.6171	ug/L	0.11689	18.94%
Al 396.153†	2388.3	437.8	ug/L	8.53	437.8	ug/L	8.53	1.95%
As 193.696†	3.0	27.87	ug/L	21.421	27.87	ug/L	21.421	76.87%
Ba 233.527†	232.3	16.88	ug/L	0.062	16.88	ug/L	0.062	0.37%
Be 313.107†	113.2	0.0430	ug/L	0.03528	0.0430	ug/L	0.03528	82.01%
B 249.677†	-143.4	-21.58	ug/L	1.239	-21.58	ug/L	1.239	5.74%
Ca 317.933†	694410.7	235100	ug/L	851.3	235100	ug/L	851.3	0.36%
Cd 214.440†	48.9	14.85	ug/L	1.286	14.85	ug/L	1.286	8.66%
Co 228.616†	15.5	4.109	ug/L	0.6779	4.109	ug/L	0.6779	16.50%
Cr 267.716†	-1.6	0.5442	ug/L	0.38614	0.5442	ug/L	0.38614	70.96%
Cu 324.752†	8569.2	86.63	ug/L	0.499	86.63	ug/L	0.499	0.58%
Fe 238.204†	643.3	4516	ug/L	36.9	4516	ug/L	36.9	0.82%
K 766.490†	2924.2	1727	ug/L	44.8	1727	ug/L	44.8	2.59%
Mg 285.213†	130620.3	20210	ug/L	313.7	20210	ug/L	313.7	1.55%
Mn 257.610†	288486.7	2079	ug/L	3.0	2079	ug/L	3.0	0.14%
Mo 202.031†	9.2	13.82	ug/L	3.941	13.82	ug/L	3.941	28.52%
Na 589.592†	60440.2	11020	ug/L	192.8	11020	ug/L	192.8	1.75%
Ni 231.604†	10.3	4.191	ug/L	1.1407	4.191	ug/L	1.1407	27.21%
Pb 220.353†	-7.3	-7.913	ug/L	14.1529	-7.913	ug/L	14.1529	178.87%
Sb 206.836†	0.4	-0.5149	ug/L	12.44460	-0.5149	ug/L	12.44460	>999.9%
Se 196.026†	10.7	104.4	ug/L	43.58	104.4	ug/L	43.58	41.73%
SiO2 251.603†	54461.5	16260	ug/L	133.0	16260	ug/L	133.0	0.82%
Sr 421.552†	Saturated2							
Ti 334.940†	-3.4	-0.016	ug/L	0.0275	-0.016	ug/L	0.0275	169.47%
Tl 190.801†	-0.6	-13.57	ug/L	12.188	-13.57	ug/L	12.188	89.79%
V 290.880†	51.4	-2.763	ug/L	0.3705	-2.763	ug/L	0.3705	13.41%
Zn 206.200†	3422.8	3067	ug/L	8.2	3067	ug/L	8.2	0.27%

Sequence No.: 71
Sample ID: C101104-98
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 11/30/2010 11:15:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: C101104-98

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: C101104-98

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2357243.1	95.82	%	0.342				0.36%
Sc Radial	300328.2	100.8	%	0.07				0.06%
Ag 328.068†	-13.6	0.8377	ug/L	0.16656	0.8377	ug/L	0.16656	19.88%
Al 396.153†	6109.3	1234	ug/L	5.3	1234	ug/L	5.3	0.43%
As 193.696†	-3.7	-36.25	ug/L	21.493	-36.25	ug/L	21.493	59.29%
Ba 233.527†	249.1	18.12	ug/L	0.374	18.12	ug/L	0.374	2.06%
Be 313.107†	317.3	0.7323	ug/L	0.03772	0.7323	ug/L	0.03772	5.15%
B 249.677†	-236.4	-35.59	ug/L	1.009	-35.59	ug/L	1.009	2.84%
Ca 317.933†	702001.5	237700	ug/L	904.9	237700	ug/L	904.9	0.38%
Cd 214.440†	59.2	17.94	ug/L	0.669	17.94	ug/L	0.669	3.73%
Co 228.616†	12.8	3.344	ug/L	0.8260	3.344	ug/L	0.8260	24.70%
Cr 267.716†	0.5	0.9582	ug/L	0.23886	0.9582	ug/L	0.23886	24.93%
Cu 324.752†	23027.7	233.4	ug/L	1.73	233.4	ug/L	1.73	0.74%
Fe 238.204†	1749.5	12310	ug/L	73.2	12310	ug/L	73.2	0.60%
K 766.490†	2959.7	1755	ug/L	14.4	1755	ug/L	14.4	0.82%
Mg 285.213†	132484.1	20500	ug/L	33.1	20500	ug/L	33.1	0.16%
Mn 257.610†	298152.8	2149	ug/L	3.2	2149	ug/L	3.2	0.15%
Mo 202.031†	7.7	11.10	ug/L	1.889	11.10	ug/L	1.889	17.01%
Na 589.592†	61957.9	11290	ug/L	32.6	11290	ug/L	32.6	0.29%
Ni 231.604†	12.3	4.984	ug/L	1.7464	4.984	ug/L	1.7464	35.04%
Pb 220.353†	-3.8	0.1348	ug/L	2.76039	0.1348	ug/L	2.76039	>999.9%
Sb 206.836†	1.2	1.375	ug/L	4.3496	1.375	ug/L	4.3496	316.44%
Se 196.026†	13.8	141.8	ug/L	63.39	141.8	ug/L	63.39	44.71%
SiO2 251.603†	63015.7	18820	ug/L	232.0	18820	ug/L	232.0	1.23%
Sr 421.552†	Saturated2							
Ti 334.940†	111.6	0.530	ug/L	0.1235	0.530	ug/L	0.1235	23.30%
Tl 190.801†	-0.3	-13.39	ug/L	9.054	-13.39	ug/L	9.054	67.63%
V 290.880†	86.3	-2.575	ug/L	0.1527	-2.575	ug/L	0.1527	5.93%
Zn 206.200†	4252.7	3810	ug/L	20.6	3810	ug/L	20.6	0.54%

Sequence No.: 72
Sample ID: Blank
Analyst: S.VanOvermeiren
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 11/30/2010 11:19:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Blank

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: Blank

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2488336.7	101.1	%	0.46				0.45%
Sc Radial	303799.9	102.0	%	0.34				0.34%
Ag 328.068†	13.5	0.2175	ug/L	0.29008	0.2175	ug/L	0.29008	133.37%
Al 396.153†	5.2	1.143	ug/L	2.3122	1.143	ug/L	2.3122	202.37%
As 193.696†	0.0	-0.0219	ug/L	11.70524	-0.0219	ug/L	11.70524	>999.9%
Ba 233.527†	-2.0	-0.1679	ug/L	0.05035	-0.1679	ug/L	0.05035	29.98%
Be 313.107†	-16.6	-0.0573	ug/L	0.03397	-0.0573	ug/L	0.03397	59.30%
B 249.677†	5.5	0.8244	ug/L	0.61557	0.8244	ug/L	0.61557	74.67%
Ca 317.933†	-0.7	-0.2071	ug/L	5.02123	-0.2071	ug/L	5.02123	>999.9%
Cd 214.440†	1.5	0.4617	ug/L	0.38701	0.4617	ug/L	0.38701	83.82%
Co 228.616†	-0.6	-0.1403	ug/L	0.48366	-0.1403	ug/L	0.48366	344.76%
Cr 267.716†	-1.5	-0.2495	ug/L	0.36801	-0.2495	ug/L	0.36801	147.48%
Cu 324.752†	106.7	1.082	ug/L	0.1800	1.082	ug/L	0.1800	16.65%
Fe 238.204†	1.5	10.51	ug/L	6.181	10.51	ug/L	6.181	58.84%
K 766.490†	18.8	11.12	ug/L	9.339	11.12	ug/L	9.339	84.01%
Mg 285.213†	-1.7	-0.2613	ug/L	0.37481	-0.2613	ug/L	0.37481	143.42%
Mn 257.610†	-4.2	-0.0299	ug/L	0.04555	-0.0299	ug/L	0.04555	152.19%
Mo 202.031†	-0.4	-0.7196	ug/L	1.20781	-0.7196	ug/L	1.20781	167.84%
Na 589.592†	-8.0	-1.436	ug/L	2.6792	-1.436	ug/L	2.6792	186.53%
Ni 231.604†	3.5	2.015	ug/L	0.8664	2.015	ug/L	0.8664	42.99%
Pb 220.353†	-3.9	-8.413	ug/L	10.3877	-8.413	ug/L	10.3877	123.47%
Sb 206.836†	-2.7	-10.47	ug/L	3.952	-10.47	ug/L	3.952	37.74%
Se 196.026†	0.7	8.115	ug/L	12.5838	8.115	ug/L	12.5838	155.06%
SiO2 251.603†	-30.8	-9.204	ug/L	2.5541	-9.204	ug/L	2.5541	27.75%
Sr 421.552†	229.3	0.143	ug/L	0.0256	0.143	ug/L	0.0256	17.94%
Ti 334.940†	6.6	0.031	ug/L	0.0303	0.031	ug/L	0.0303	96.66%
Tl 190.801†	0.3	1.030	ug/L	12.1937	1.030	ug/L	12.1937	>999.9%
V 290.880†	-85.1	-3.059	ug/L	0.3833	-3.059	ug/L	0.3833	12.53%
Zn 206.200†	1.4	1.286	ug/L	1.1316	1.286	ug/L	1.1316	88.00%

Sequence No.: 74
Sample ID: SEQ-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 11/30/2010 11:25:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCV

Analyte	Back Pressure	Flow
All	115.0 kPa	0.80 L/min

Mean Data: SEQ-CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2468037.7	100.3	%	1.86				1.85%
Sc Radial	305371.1	102.5	%	0.59				0.58%
Ag 328.068†	15839.1	259.1	ug/L	6.25	259.1	ug/L	6.25	2.41%
QC value within limits for Ag 328.068 Recovery = 103.64%								
Al 396.153†	60767.5	13020	ug/L	185.4	13020	ug/L	185.4	1.42%
QC value within limits for Al 396.153 Recovery = 104.13%								
As 193.696†	257.9	2597	ug/L	45.2	2597	ug/L	45.2	1.74%
QC value within limits for As 193.696 Recovery = 103.86%								
Ba 233.527†	6101.7	497.4	ug/L	9.35	497.4	ug/L	9.35	1.88%
QC value within limits for Ba 233.527 Recovery = 99.47%								
Be 313.107†	147877.7	509.9	ug/L	12.41	509.9	ug/L	12.41	2.43%
QC value within limits for Be 313.107 Recovery = 101.99%								
B 249.677†	33901.3	5104	ug/L	120.6	5104	ug/L	120.6	2.36%
QC value within limits for B 249.677 Recovery = 102.08%								
Ca 317.933†	37712.4	12710	ug/L	113.3	12710	ug/L	113.3	0.89%
QC value within limits for Ca 317.933 Recovery = 101.66%								
Cd 214.440†	1676.3	504.3	ug/L	11.65	504.3	ug/L	11.65	2.31%
QC value within limits for Cd 214.440 Recovery = 100.86%								
Co 228.616†	2236.2	511.5	ug/L	10.98	511.5	ug/L	10.98	2.15%
QC value within limits for Co 228.616 Recovery = 102.30%								
Cr 267.716†	14784.7	2457	ug/L	43.4	2457	ug/L	43.4	1.76%
QC value within limits for Cr 267.716 Recovery = 98.29%								
Cu 324.752†	102582.0	1042	ug/L	26.6	1042	ug/L	26.6	2.55%
QC value within limits for Cu 324.752 Recovery = 104.20%								
Fe 238.204†	1826.3	12830	ug/L	118.9	12830	ug/L	118.9	0.93%
QC value within limits for Fe 238.204 Recovery = 102.67%								
K 766.490†	45261.4	25950	ug/L	285.8	25950	ug/L	285.8	1.10%
QC value within limits for K 766.490 Recovery = 103.82%								
Mg 285.213†	84076.3	13000	ug/L	189.0	13000	ug/L	189.0	1.45%
QC value within limits for Mg 285.213 Recovery = 104.02%								
Mn 257.610†	141502.1	1019	ug/L	25.6	1019	ug/L	25.6	2.51%
QC value within limits for Mn 257.610 Recovery = 101.89%								
Mo 202.031†	261.1	497.3	ug/L	21.66	497.3	ug/L	21.66	4.36%
QC value within limits for Mo 202.031 Recovery = 99.47%								
Na 589.592†	72165.1	13060	ug/L	147.0	13060	ug/L	147.0	1.13%
QC value within limits for Na 589.592 Recovery = 104.47%								
Ni 231.604†	4357.2	2513	ug/L	51.2	2513	ug/L	51.2	2.04%
QC value within limits for Ni 231.604 Recovery = 100.51%								
Pb 220.353†	1185.1	2571	ug/L	51.0	2571	ug/L	51.0	1.98%
QC value within limits for Pb 220.353 Recovery = 102.84%								
Sb 206.836†	664.8	2509	ug/L	89.0	2509	ug/L	89.0	3.55%
QC value within limits for Sb 206.836 Recovery = 100.35%								
Se 196.026†	223.4	2586	ug/L	90.5	2586	ug/L	90.5	3.50%
QC value within limits for Se 196.026 Recovery = 103.46%								
SiO2 251.603†	34194.5	10180	ug/L	210.0	10180	ug/L	210.0	2.06%
QC value within limits for SiO2 251.603 Recovery = 101.79%								
Sr 421.552†	856513.2	532.5	ug/L	13.61	532.5	ug/L	13.61	2.56%
QC value within limits for Sr 421.552 Recovery = 106.51%								
Ti 334.940†	107036.7	508.3	ug/L	12.73	508.3	ug/L	12.73	2.51%
QC value within limits for Ti 334.940 Recovery = 101.67%								
Tl 190.801†	658.1	2589	ug/L	56.4	2589	ug/L	56.4	2.18%
QC value within limits for Tl 190.801 Recovery = 103.57%								
V 290.880†	27815.7	996.0	ug/L	20.44	996.0	ug/L	20.44	2.05%
QC value within limits for V 290.880 Recovery = 99.60%								

Zn 206.200†	2843.2	2540 ug/L	61.2	2540 ug/L	61.2	2.41%

QC value within limits for Zn 206.200 Recovery = 101.60%

All analyte(s) passed QC.

Sequence No.: 75
Sample ID: SEQ-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 11/30/2010 11:28:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: SEQ-CCB

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Mean Data: SEQ-CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Axial	2474120.3	100.6	%	0.08				0.08%
Sc Radial	303028.9	101.7	%	0.95				0.94%
Ag 328.068†	17.2	0.2741	ug/L	0.40805	0.2741	ug/L	0.40805	148.87%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	19.7	3.793	ug/L	4.6222	3.793	ug/L	4.6222	121.87%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 193.696†	0.7	6.583	ug/L	13.6857	6.583	ug/L	13.6857	207.90%
QC value within limits for As 193.696 Recovery = Not calculated								
Ba 233.527†	1.2	0.0899	ug/L	0.26059	0.0899	ug/L	0.26059	289.98%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	1.1	0.0027	ug/L	0.01982	0.0027	ug/L	0.01982	737.82%
QC value within limits for Be 313.107 Recovery = Not calculated								
B 249.677†	290.8	43.78	ug/L	4.892	43.78	ug/L	4.892	11.17%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 317.933†	15.4	5.132	ug/L	3.8047	5.132	ug/L	3.8047	74.14%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	1.9	0.5750	ug/L	0.64653	0.5750	ug/L	0.64653	112.44%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-3.2	-0.7299	ug/L	0.35252	-0.7299	ug/L	0.35252	48.30%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.0	0.3276	ug/L	0.65344	0.3276	ug/L	0.65344	199.48%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	117.0	1.184	ug/L	0.1756	1.184	ug/L	0.1756	14.83%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	2.7	18.76	ug/L	16.552	18.76	ug/L	16.552	88.24%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	73.6	41.58	ug/L	7.323	41.58	ug/L	7.323	17.61%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	20.3	3.128	ug/L	0.8876	3.128	ug/L	0.8876	28.37%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	13.6	0.0952	ug/L	0.00491	0.0952	ug/L	0.00491	5.15%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.4	8.377	ug/L	1.5750	8.377	ug/L	1.5750	18.80%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	29.9	5.393	ug/L	4.7820	5.393	ug/L	4.7820	88.67%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.6	1.494	ug/L	2.4769	1.494	ug/L	2.4769	165.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.1	-9.006	ug/L	1.4076	-9.006	ug/L	1.4076	15.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	9.4	36.09	ug/L	9.887	36.09	ug/L	9.887	27.40%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.5	-28.80	ug/L	28.443	-28.80	ug/L	28.443	98.75%
QC value within limits for Se 196.026 Recovery = Not calculated								
SiO2 251.603†	6.1	1.640	ug/L	1.6767	1.640	ug/L	1.6767	102.26%
QC value within limits for SiO2 251.603 Recovery = Not calculated								
Sr 421.552†	180.0	0.112	ug/L	0.0110	0.112	ug/L	0.0110	9.81%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	75.7	0.359	ug/L	0.0630	0.359	ug/L	0.0630	17.54%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.1	4.193	ug/L	8.5172	4.193	ug/L	8.5172	203.12%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-50.0	-1.743	ug/L	0.2810	-1.743	ug/L	0.2810	16.12%
QC value within limits for V 290.880 Recovery = Not calculated								

Zn 206.200†	1.3	1.146 ug/L	0.8210	1.146 ug/L	0.8210	71.62%

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Perkin Elmer DRC-II ICP-MS

Project(s): Rio - Argentine Waters Nov 2010 Date: 11 / 29 / 2010

Work Order(s): C101104 TDF: DG-220 Analyst: Scott Van Overmeir

Batch Preparation Information

Digest / Prep.	Matrix	Batch ID
TR / Total / Diss	Water / Soil / Other	101111 / 101112

Data Storage

Data File: X:/Metals Data Files/ DG-220_101111_DISSA_112910

Standard Information

Calibration Std. #1: SS-114-048
Prepped By: SV Date: 09/30/10

Calibration Std. #2: SS-114-049
Prepped By: SV Date: 09/30/10

Calibration Std. #3: SS-114-050
Prepped By: SV Date: 09/30/10

ICV LIMS: 0100107
Prepped By: SV Date: 09/30/10

CRDL: 1:100 of 0100112 LIMS: 0100113
Prepped By: SV Date: 11/29/10

CCV LIMS: 0100108
Prepped By: SV Date: 09/30/10

ICSA LIMS: 0100109

ICSAB LIMS: 0100110

Spike Information

Dissolved Spikes

Sample ID: C101104-03
Sample ID: C101104-54
Sample Vol: 10 mL

Spike
LIMS ID: 0100114 100 uL

Total / Total Rec. Spikes

Sample ID: –
Sample Vol: – mL
PSS2007-220: – uL
WW-LFS1 Exp: 05-1-2011
PSS2007-221: – uL
WW-LFS2 Exp: 05-1-2011

Tune criteria passed? Yes / No

Comments / Maintenance New pump tubing? Y / N Cleaned cones? Y / N

Reportable Analytes

Ag As Be Cd Co Cr Cu Mn Mo Ni Pb Sb Se
Tl V Zn U Th

Sequence ID: 101114

Lims Entry (Date / Init): 11/29/10 SV

TLF-06.01	SOP: QAQ-04.00	Eff. Date: 1/17/2007

ESAT Region 8

Analytical Data Review Form

Analyst / Bench Review – Level I

LIMS: C101104	Project: Rio-Argentine Waters Nov 2010		
TDF: DG-220	Matrix: Waters	Analysis: Dissolved metals	

Method / Instrument QC Parameters				Analytical Batch / Sample Parameters	
☒ Yes ☐ No	Corr. Coef. ≥ 0.995	☒ Yes ☐ No	ICV 90% - 110%	☒ Yes ☐ No	Mth. Blk. (MB) / Prep. BLK (PB) ≤ ± PQL
☒ Yes ☐ No	ICB ≤ ± PQL	☒ Yes ☐ No	CRI 70% - 130%	☒ Yes ☐ No	Blk. Spike (BS) / LCS (SRM) In Control
☒ Yes ☐ No	ICSA Spiked Analytes 80% - 120%			☒ Yes ☐ No	Laboratory Duplicate Analyzed
☒ Yes ☐ No	ICSA Non-Spiked Analytes ≤ ± PQL			☒ Yes ☐ No	MS / MSD Analyzed
☒ Yes ☐ No	ICSAB Spiked Analytes 80% - 120%			☒ Yes ☐ No	Serial Dilution Analyzed
☒ Yes ☐ No	CCBs ≤ ± PQL	☒ Yes ☐ No	CCVs 90% - 110%	☐ Yes ☐ No N/A	Post-Digest Spike Analyzed for Tot. / Tot. Rec.
☒ Yes ☐ No	QA QC Samples Internal Stds. 60% - 125%			☒ Yes ☐ No	Samples Internal Stds. 60% - 125%

Other obvious data quality issues are identified ☒ Yes ☐ No

Describe any anomaly or deficiency not indicated above in the space provided

In SRD2, manganese recovered high. As a result, the source sample was qualified "J" as estimated for manganese.

LIMS Electronic Data Transfer

☒ Yes ☐ No	The instrument data file is uploaded to the X: drive	☒ Yes ☐ No	Instrument data are uploaded into the LIMS
☒ Yes ☐ No	All samples and QC data are present in LIMS	☒ Yes ☐ No	The analyte list for the sequence is complete
Analyst:		Date: 11/29/10	

Peer Review of Analytical Analysis – Level II

Method / Instrument QC Parameters				Analytical Batch / Sample Parameters	
☒ Yes ☐ No	Corr. Coef. ≥ 0.995	☒ Yes ☐ No	ICV 90% - 110%	☒ Yes ☐ No	Mth. Blk. (MB) / Prep. BLK (PB) ≤ ± PQL
☒ Yes ☐ No	ICB ≤ ± PQL	☒ Yes ☐ No	CRI 70% - 130%	☒ Yes ☐ No	Blk. Spike (BS) / LCS (SRM) In Control
☒ Yes ☐ No	ICSA Spiked Analytes 80% - 120%			☒ Yes ☐ No	Laboratory Duplicate Analyzed
☒ Yes ☐ No	ICSA Non-Spiked Analytes ≤ ± PQL			☒ Yes ☐ No	MS / MSD Analyzed
☒ Yes ☐ No	ICSAB Spiked Analytes 80% - 120%			☒ Yes ☐ No	Serial Dilution Analyzed
☒ Yes ☐ No	CCBs ≤ ± PQL	☒ Yes ☐ No	CCVs 90% - 110%	☐ Yes ☐ No N/A	Post-Digest Spike Analyzed for Tot. / Tot. Rec.
☒ Yes ☐ No	QA QC Samples Internal Stds. 60% - 125%			☒ Yes ☐ No	Samples Internal Stds. 60% - 125%

Other obvious data quality issues are identified ☒ Yes ☐ No

Describe any anomaly or deficiency not indicated above in the space provided

See analyst notes above.

LIMS Electronic Data Transfer

☒ Yes ☐ No	The instrument data file is uploaded to the X: drive	☒ Yes ☐ No	Instrument data are uploaded into the LIMS
☒ Yes ☐ No	All samples and QC data are present in LIMS	☒ Yes ☐ No	The analyte list for the sequence is complete
Peer Reviewer:		Date: 12/2/2010	

PREPARATION BENCH SHEET

1011111

Jul 11/24/10

TechLaw, Inc. - ESAT Region 8

Matrix: Water

Printed: 11/24/2010 11:28:29AM

Date Prepared: 11/24/10 11:27 By: SV

Prepared using: ADMIN - No Lab Prep Reqd

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments
C101104-03 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLDRBG	
C101104-06 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLDRBG DUP	
C101104-09 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLDRMZ1a	
C101104-12 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLDRMZ1b	
C101104-15 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLDRMZ1c	
C101104-18 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLDRMZ2	
C101104-21 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLPO01	
C101104-24 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLPO02	
C101104-27 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLPO03	
C101104-30 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLPO04	
C101104-33 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLPO05	
C101104-36 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSW01	
C101104-39 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSW02	
C101104-42 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSW03	
C101104-45 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSW04	
C101104-48 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSW05	
C101104-51 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWDR3	
1011111-BLK1	QC		50	50						Blank	
1011111-BS1	QC		10	10	0100114	100				LCS	
1011111-DUP1	QC		50	50					C101104-03	Duplicate	
1011111-MS1	QC		10	10	0100114	100			C101104-03	Matrix Spike	
1011111-MSD1	QC		10	10	0100114	100			C101104-03	Matrix Spike Dup	

PREPARATION BENCH SHEET

1011111

TechLaw, Inc. - ESAT Region 8

Printed: 11/24/2010 11:28:29AM

Matrix: Water

Date Prepared: 11/24/10 11:27 By: SV **Prepared using: ADMIN - No Lab Prep Reqd**

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments

PREPARATION BENCH SHEET

1011112

fw 11/29/10

TechLaw, Inc. - ESAT Region 8

Printed: 11/24/2010 11:29:35AM

Matrix: Water

Date Prepared: 11/24/10 11:28 By: SV **Prepared using: ADMIN - No Lab Prep Reqd**

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments
C101104-54 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWDR4	
C101104-57 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWDR6	
C101104-60 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWDR7b	
C101104-63 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWDR7c	
C101104-66 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWFB	
C101104-69 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP06	
C101104-72 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP07a	
C101104-75 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP07b	
C101104-78 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP08	
C101104-81 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP09	
C101104-84 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP10	
C101104-87 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP11	
C101104-90 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP12	
C101104-93 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP14	
C101104-96 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWP15	
C101104-99 A	ICPMS Diss. Metals-2010	No Tag Prefix-	50	50						SLSWPP	
1011112-BLK1	QC		50	50						Blank	
1011112-BS1	QC		10	10	0100114	100				LCS	
1011112-DUP1	QC		50	50					C101104-54	Duplicate	
1011112-MS1	QC		10	10	0100114	100			C101104-54	Matrix Spike	
1011112-MSD1	QC		10	10	0100114	100			C101104-54	Matrix Spike Dup	

ANALYSIS SEQUENCE

1011114

lw 11/29/10

Instrument: ICPMS-PE DRC-II Sequence Date: 11/29/10 00:00 Printed: 11/29/2010 1:01:53PM

Lab Number	Dilut. Factor	Analysis	STD ID	Sample/Std Name	EPA Tag ID	Source Sple	Comments
1011114-ICV1		QC	0100107	Initial Cal Check		-	
1011114-ICB1		QC		Initial Cal Blank		-	
1011114-CRL1		QC	0100113	MRL Check		-	
1011114-IFA1		QC	0100109	Interference Check A		-	
1011114-IFB1		QC	0100110	Interference Check B		-	
1011114-CCV1		QC	0100108	Calibration Check		-	
1011114-CCB1		QC		Calibration Blank		-	
1011111-BLK1		QC		Blank		-	
1011111-BS1		QC		LCS		-	
C101104-03 A		ICPMS Diss. Metals-2010		SLDRBG	No Tag Prefix-C		
1011111-DUP1		QC		Duplicate		C101104-03	
1011114-SRD1		QC		Serial Dilution		C101104-03	
1011111-MS1		QC		Matrix Spike		C101104-03	
1011111-MSD1		QC		Matrix Spike Dup		C101104-03	
C101104-06 A		ICPMS Diss. Metals-2010		SLDRBG DUP	No Tag Prefix-C		
C101104-09 A		ICPMS Diss. Metals-2010		SLDRMZ1a	No Tag Prefix-C		
1011114-CCV2		QC	0100108	Calibration Check		-	
1011114-CCB2		QC		Calibration Blank		-	
C101104-12 A		ICPMS Diss. Metals-2010		SLDRMZ1b	No Tag Prefix-C		
C101104-15 A		ICPMS Diss. Metals-2010		SLDRMZ1c	No Tag Prefix-C		
C101104-18 A		ICPMS Diss. Metals-2010		SLDRMZ2	No Tag Prefix-C		
C101104-21 A		ICPMS Diss. Metals-2010		SLPO01	No Tag Prefix-C		
C101104-24 A		ICPMS Diss. Metals-2010		SLPO02	No Tag Prefix-C		
C101104-27 A		ICPMS Diss. Metals-2010		SLPO03	No Tag Prefix-C		
C101104-30 A		ICPMS Diss. Metals-2010		SLPO04	No Tag Prefix-C		
C101104-33 A		ICPMS Diss. Metals-2010		SLPO05	No Tag Prefix-C		
C101104-36 A		ICPMS Diss. Metals-2010		SLSW01	No Tag Prefix-C		
1011114-CCV3		QC	0100108	Calibration Check		-	
1011114-CCB3		QC		Calibration Blank		-	
C101104-39 A		ICPMS Diss. Metals-2010		SLSW02	No Tag Prefix-C		
C101104-42 A		ICPMS Diss. Metals-2010		SLSW03	No Tag Prefix-C		
C101104-45 A		ICPMS Diss. Metals-2010		SLSW04	No Tag Prefix-C		
C101104-48 A		ICPMS Diss. Metals-2010		SLSW05	No Tag Prefix-C		
C101104-51 A		ICPMS Diss. Metals-2010		SLSWDR3	No Tag Prefix-C		
1011112-BLK1		QC		Blank		-	
1011112-BS1		QC		LCS		-	
C101104-54 A		ICPMS Diss. Metals-2010		SLSWDR4	No Tag Prefix-C		
1011112-DUP1		QC		Duplicate		C101104-54	
1011114-CCV4		QC	0100108	Calibration Check		-	
1011114-CCB4		QC		Calibration Blank		-	

ANALYSIS SEQUENCE

1011114

Instrument: ICPMS-PE DRC-II Sequence Date: 11/29/10 00:00 Printed: 11/29/2010 1:01:53PM

Lab Number	Dilut. Factor	Analysis	STD ID	Sample/Std Name	EPA Tag ID	Source Sple	Comments
1011114-SRD2		QC		Serial Dilution		C101104-54	
1011112-MS1		QC		Matrix Spike		C101104-54	
1011112-MSD1		QC		Matrix Spike Dup		C101104-54	
C101104-57 A		ICPMS Diss. Metals-2010		SLSWDR6	No Tag Prefix-C		
C101104-60 A		ICPMS Diss. Metals-2010		SLSWDR7b	No Tag Prefix-C		
C101104-63 A		ICPMS Diss. Metals-2010		SLSWDR7c	No Tag Prefix-C		
C101104-66 A		ICPMS Diss. Metals-2010		SLSWFB	No Tag Prefix-C		
C101104-69 A		ICPMS Diss. Metals-2010		SLSWP06	No Tag Prefix-C		
C101104-72 A		ICPMS Diss. Metals-2010		SLSWP07a	No Tag Prefix-C		
1011114-CCV5		QC	0100108	Calibration Check		-	
1011114-CCB5		QC		Calibration Blank		-	
C101104-75 A		ICPMS Diss. Metals-2010		SLSWP07b	No Tag Prefix-C		
C101104-78 A		ICPMS Diss. Metals-2010		SLSWP08	No Tag Prefix-C		
C101104-81 A		ICPMS Diss. Metals-2010		SLSWP09	No Tag Prefix-C		
C101104-84 A		ICPMS Diss. Metals-2010		SLSWP10	No Tag Prefix-C		
C101104-87 A		ICPMS Diss. Metals-2010		SLSWP11	No Tag Prefix-C		
C101104-90 A		ICPMS Diss. Metals-2010		SLSWP12	No Tag Prefix-C		
C101104-93 A		ICPMS Diss. Metals-2010		SLSWP14	No Tag Prefix-C		
C101104-96 A		ICPMS Diss. Metals-2010		SLSWP15	No Tag Prefix-C		
C101104-99 A		ICPMS Diss. Metals-2010		SLSWPP	No Tag Prefix-C		
1011114-CCV6		QC	0100108	Calibration Check		-	
1011114-CCB6		QC		Calibration Blank		-	

Run List

Sample File Name: 1011111_DISSA_112910.sam

AS Loc.	Sample ID	Batch Index	Sample Type	Method
1	Blank		Blank	esat2010.mth
2	Standard 1		Standard	esat2010.mth
3	Standard 2		Standard	esat2010.mth
4	Standard 3		Standard	esat2010.mth
5	SEQ-ICV		QC Std	esat2010.mth
1	SEQ-ICB		QC Std	esat2010.mth
26	SEQ-CRL		QC Std	esat2010.mth
7	SEQ-IFA		QC Std	esat2010.mth
8	SEQ-IFB		QC Std	esat2010.mth
6	SEQ-CCV 1		QC Std	esat2010.mth
1	SEQ-CCB 1		QC Std	esat2010.mth
27	1011111-BLK1	1	Sample	esat2010.mth
28	1011111-BS1	2	Spike - 3 of 1	esat2010.mth
29	C101104-03	3	Sample	esat2010.mth
30	1011111-DUP1	4	Duplicate of 3	esat2010.mth
31	SEQ-SRD1 @5X	5	Dilution - DF:5 of 3	esat2010.mth
32	1011111-MS1	6	Spike - 3 of 3	esat2010.mth
33	1011111-MSD1	7	Spike - 3 of 3	esat2010.mth
34	C101104-06 @5X	8	Sample	esat2010.mth
35	C101104-09 @5X	9	Sample	esat2010.mth
36	Blank	10	Sample	esat2010.mth
6	SEQ-CCV 2		QC Std	esat2010.mth
1	SEQ-CCB 2		QC Std	esat2010.mth
37	C101104-12 @5X	11	Sample	esat2010.mth
38	C101104-15 @5X	12	Sample	esat2010.mth
39	C101104-18 @5X	13	Sample	esat2010.mth
40	C101104-21 @5X	14	Sample	esat2010.mth
41	C101104-24 @5X	15	Sample	esat2010.mth
42	C101104-27 @5X	16	Sample	esat2010.mth
43	C101104-30 @5X	17	Sample	esat2010.mth
44	C101104-33 @5X	18	Sample	esat2010.mth
45	C101104-36 @5X	19	Sample	esat2010.mth
46	Blank	20	Sample	esat2010.mth
6	SEQ-CCV 3		QC Std	esat2010.mth
1	SEQ-CCB 3		QC Std	esat2010.mth
47	C101104-39 @5X	21	Sample	esat2010.mth

48	C101104-42 @5X	22	Sample	esat2010.mth
49	C101104-45 @5X	23	Sample	esat2010.mth
50	C101104-48 @5X	24	Sample	esat2010.mth
51	C101104-51 @5X	25	Sample	esat2010.mth
52	1011112-BLK1	26	Sample	esat2010.mth
53	1011112-BS1	27	Spike - 3 of 26	esat2010.mth
54	C101104-54 @10x	28	Sample	esat2010.mth
55	1011112-DUP1 ↓	29	Duplicate of 28	esat2010.mth
56	Blank	30	Sample	esat2010.mth
6	SEQ-CCV 4		QC Std	esat2010.mth
1.	SEQ-CCB 4 11/29/10		QC Std	esat2010.mth
57	SEQ-SRD2 ~~@5X~~ @50x	31	Sample	esat2010.mth
58	1011112-MS1 @10x	32	Spike - 3 of 28	esat2010.mth
59	1011112-MSD1 ↓	33	Spike - 3 of 28	esat2010.mth
60	C101104-57 @5X	34	Sample	esat2010.mth
61	C101104-60 @5X	35	Sample	esat2010.mth
62	C101104-63 @5X	36	Sample	esat2010.mth
63	C101104-66 @5X	37	Sample	esat2010.mth
64	C101104-69 @5X	38	Sample	esat2010.mth
65	C101104-72 @5X	39	Sample	esat2010.mth
66	Blank	40	Sample	esat2010.mth
6	SEQ-CCV 5		QC Std	esat2010.mth
1	SEQ-CCB 5		QC Std	esat2010.mth
67	C101104-75 @5X	41	Sample	esat2010.mth
68	C101104-78 @5X	42	Sample	esat2010.mth
69	C101104-81 @5X	43	Sample	esat2010.mth
70	C101104-84 @5X	44	Sample	esat2010.mth
71	C101104-87 @5X	45	Sample	esat2010.mth
72	C101104-90 @5X	46	Sample	esat2010.mth
73	C101104-93 @5X	47	Sample	esat2010.mth
74	C101104-96 @5X	48	Sample	esat2010.mth
75	C101104-99 @5X	49	Sample	esat2010.mth
76	Blank	50	Sample	esat2010.mth
6	SEQ-CCV 6		QC Std	esat2010.mth
1	SEQ-CCB 6		QC Std	esat2010.mth

Instrument Tuning Report

File Name: ESAT tuning 2010.tun
File Path: C:\Elandata\Tuning\ESAT tuning 2010.tun

11/29/10

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
C	12.000	11.975	2726	2066	0.762	
Mg	23.985	24.025	5639	2067	0.735	
In	114.904	114.925	27740	2015	0.755	
Ce	139.905	139.875	33812	2003	0.749	
Pb	207.977	207.975	50376	1980	0.758	
U	238.050	238.075	57690	1965	0.759	
Be	9.012	8.925	1988	2070	0.753	
Zn	65.926	65.925	15825	2042	0.742	

Daily Performance Report

Sample ID: Daily Performance Check
Sample Date/Time: Monday, November 29, 2010 07:58:41
Sample Description:
Method File: C:\Elandata\Method\ESAT Daily Performance 2010.mth
Dataset File: C:\Elandata\DataSet\Default\Daily Performance Check.7403
Tuning File: C:\Elandata\Tuning\ESAT tuning 2010.tun
Optimization File: C:\Elandata\Optimize\ESAT optimization 2010.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 80
Current Dead Time (ns): 80

fwn/29/10

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	33767.9	33767.851	362.848	1.1
	In	114.9	185316.4	185316.399	1241.322	0.7
	U	238.1	96446.1	96446.079	679.692	0.7
⌈>	Ce	139.9	220782.8	220782.801	1549.997	0.7
⌊	CeO	155.9	3813.9	0.017	0.000	1.7
⌈>	Ba	137.9	163965.8	163965.818	1132.992	0.7
⌊	Ba++	69.0	3775.7	0.023	0.000	1.6
	Bkgd	220.0	5.1	5.067	1.038	20.5
	Bkgd	8.5	10.6	10.600	1.797	17.0

Current Optimization File Data

Current Value	Description
0.82	Nebulizer Gas Flow [NEB]
1.20	Auxiliary Gas Flow
17.00	Plasma Gas Flow
7.50	Lens Voltage
1200.00	ICP RF Power
-1525.00	Analog Stage Voltage
800.00	Pulse Stage Voltage
0.00	Quadrupole Rod Offset Std [QRO]
-15.00	Cell Rod Offset Std [CRO]
20.00	Discriminator Threshold
-19.00	Cell Path Voltage Std [CPV]
0.00	RPa
0.25	RPq
0.82	DRC Mode NEB
-8.50	DRC Mode QRO
0.50	DRC Mode CRO
-17.00	DRC Mode CPV
0.00	Cell Gas A
0.00	Cell Gas B

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	41	6.5	3176.8
Co	59	41	7.3	134427.3
In	115	41	7.3	185386.3

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Elandata\Wizard\SmartTune\ESAT Smart Tune 2010.swz

Start Time: 11/29/2010 7:38:12 AM
End Time: 11/29/2010 8:02:23 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (12/11.975), Target/Obtained resolution (0.75/0.762)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.75/0.735)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.75/0.755)
Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.75/0.749)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.75/0.758)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.75/0.759)
Target/Obtained mass (9.0122/8.925), Target/Obtained resolution (0.75/0.753)
Target/Obtained mass (65.926/65.925), Target/Obtained resolution (0.75/0.742)

Nebulizer Gas Flow [NEB] - [Passed] Optimum value(s): 0.82
Obtained Intensity (Rh 102.905): 199396
Obtained Formula (CeO 155.9 / Ce 139.905): 0.017 (=4089 / 242498)

Lens Voltage - [Passed] Optimum value(s): 7.5
Obtained Intensity (Rh 102.905): 200016

AutoLens - [Passed] Optimum value(s): y = 0.007 x + 6.577

Daily Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Mg 23.985): 33768
Obtained Intensity (In 114.904): 185316
Obtained Intensity (Bkgd 220): 5
Obtained Formula (CeO 155.9 / Ce 139.905): 0.017 (=3814 / 220783)
Obtained Formula (Ba++ 68.9525 / Ba 137.905): 0.023 (=3776 / 164590)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Elandata\Wizard\SmartTune\ESAT Smart Tune 2010.swz

Optimization Status

Start Time: 11/29/2010 7:38:12 AM

Mass Calibration and Resolution

Optimization Settings:

Method: C:\Elandata\Method\ESAT Tuning 2010.mth.
Tuning File: C:\Elandata\Tuning\ESAT tuning 2010.tun
Iterations: 6
Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.1 for Resolution
Peak height (%) for Res. Opt.: 10

Optimization Results:

Initial Try

Target/Obtained mass (12/11.975), Target/Obtained resolution (0.75/0.762)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.75/0.735)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.75/0.755)
Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.75/0.749)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.75/0.758)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.75/0.759)
Target/Obtained mass (9.0122/8.925), Target/Obtained resolution (0.75/0.753)
Target/Obtained mass (65.926/65.925), Target/Obtained resolution (0.75/0.742)

[Passed] Optimum value(s): N/A

Nebulizer Gas Flow [NEB]

Optimization Settings:

Method: C:\Elandata\Method\ESAT Optimize 2010.mth.
Initial Try - Start/End/Step: 0.7/1/0.01.
Intensity Criterion: Rh 102.905 Maximum
Formula Criterion: CeO 155.9 / Ce 139.905 <= 0.017

Optimization Results:

Initial Try

Obtained Intensity (Rh 102.905): 199396
Obtained Formula (CeO 155.9 / Ce 139.905): 0.017 (=4089 / 242498)

[Passed] Optimum value(s): 0.82

Lens Voltage

Optimization Settings:

Method: C:\Elandata\Method\ESAT Optimize 2010.mth.
Initial Try - Start/End/Step: 4/12/0.25.
Intensity Criterion: Rh 102.905 Maximum

Optimization Results:

Initial Try

Obtained Intensity (Rh 102.905): 200016

[Passed] Optimum value(s): 7.5

AutoLens

Optimization Settings:

Method: C:\Elandata\Method\ESAT AutoLens Calibration 2010.mth.
Initial Try - Start/End/Step: 2/12/0.25.

Optimization Results:
Initial Try
[Passed] Optimum value(s): y = 0.007 x + 6.577

Analyte	Mass	Points	DAC	MaxIntensity
Be	9.012	41	6.5	3176.81
Co	58.933	41	7.25	134427
In	114.904	41	7.25	185386

Daily Performance Check
Optimization Settings:
Method: C:\Elandata\Method\ESAT Daily Performance 2010.mth.
Intensity Criterion: Mg 23.985 > 20000
Intensity Criterion: In 114.904 > 150000
Intensity Criterion: Bkgd 220 <= 30
Formula Criterion: CeO 155.9 / Ce 139.905 <= 0.03
Formula Criterion: Ba++ 68.9525 / Ba 137.905 <= 0.03

Optimization Results:
Initial Try
Obtained Intensity (Mg 23.985): 33768
Obtained Intensity (In 114.904): 185316
Obtained Intensity (Bkgd 220): 5
Obtained Formula (CeO 155.9 / Ce 139.905): 0.017 (=3814 / 220783)
Obtained Formula (Ba++ 68.9525 / Ba 137.905): 0.023 (=3776 / 164590)
[Passed] Optimum value(s): N/A

End Time: 11/29/2010 8:02:23 AM

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, November 29, 2010 09:29:50
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7421
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

11/29/10

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25764.353	2.667				ug/L
	Be	9	14.667	34.317				ug/L
	Al	27	12137.109	1.588				ug/L
>	Sc	45	233538.861	4.257				ug/L
	V	51	2519.012	5.830				ug/L
	Cr	52	8912.352	2.417				ug/L
	Mn	55	749.114	20.089				ug/L
	Co	59	107.681	15.957				ug/L
	Ni	60	59.014	20.177				ug/L
	Cu	65	586.201	3.126				ug/L
	Zn	66	756.046	5.524				ug/L
>	Ge	72	245793.413	5.579				ug/L
	As	75	4.852	2211.649				ug/L
	Se	82	123.335	13.007				ug/L
	Y	89	464982.482	1.998				ug/L
	Mo	98	162.906	5.720				ug/L
	Ag	107	278.673	19.790				ug/L
	Cd	111	215.219	15.907				ug/L
	Cd	114	77.013	65.804				mg/L
>	In	115	351041.335	1.960				ug/L
	Sb	121	125.335	9.350				ug/L
	Ba	135	60.000	26.034				ug/L
>	Tb	159	455740.103	3.663				ug/L
	Ho	165	410021.750	0.419				ug/L
	Tl	205	166.002	7.901				ug/L
	Pb	208	330.670	6.635				ug/L
	Bi	209	153055.365	2.280				ug/L
	Th	232	115.334	8.010				ug/L
	U	238	70.667	15.588				ug/L
	Na	23	31234.569	3.081				mg/L
	Mg	24	3457.682	30.358				mg/L
	K	39	990358.731	3.381				mg/L
	Ca	44	36641.764	0.422				mg/L
	Fe	54	32161.792	5.844				mg/L
>	Sc-1	45	233538.861	4.257				mg/L
	Kr	83	107.334	19.924				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Monday, November 29, 2010 09:32:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Standard 1.7422
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25985.243	0.957	25985.243			ug/L
	Be	9	2126.362	4.466	0.081	10.00000	3.71	ug/L
	Al	27	193082.938	3.100	0.766	50.00000	5.97	ug/L
>	Sc	45	236205.022	2.464	236205.022			ug/L
	V	51	92468.443	1.403	0.381	10.00000	1.20	ug/L
	Cr	52	81794.625	2.446	0.308	10.00000	5.24	ug/L
	Mn	55	110063.066	5.549	0.463	10.00000	7.45	ug/L
	Co	59	93081.533	3.856	0.394	10.00000	1.43	ug/L
	Ni	60	20747.081	4.336	0.088	10.00000	5.24	ug/L
	Cu	65	20775.501	3.725	0.086	10.00000	6.45	ug/L
	Zn	66	11617.469	4.551	0.042	10.00000	2.02	ug/L
>	Ge	72	254876.445	2.860	254876.445			ug/L
	As	75	13034.444	1.184	0.051	10.00000	3.40	ug/L
	Se	82	1382.820	2.791	0.005	10.00000	6.29	ug/L
	Y	89	467118.132	5.276	2135.650			ug/L
	Mo	98	39158.404	1.940	0.108	10.00000	3.33	ug/L
	Ag	107	50857.424	0.914	0.141	10.00000	2.74	ug/L
	Cd	111	12533.025	3.570	0.034	10.00000	4.69	ug/L
	Cd	114	27633.096	3.581	0.077	10.00000	1.48	mg/L
>	In	115	359773.978	2.122	359773.978			ug/L
	Sb	121	39516.631	3.481	0.110	10.00000	5.31	ug/L
	Ba	135	10631.042	3.770	0.024	10.00000	3.43	ug/L
>	Tb	159	448529.614	0.914	448529.614			ug/L
	Ho	165	408475.990	1.364	0.011			ug/L
	Tl	205	55988.371	1.680	0.124	10.00000	2.57	ug/L
	Pb	208	75330.555	1.071	0.167	10.00000	1.73	ug/L
	Bi	209	155493.281	2.528	0.011			ug/L
	Th	232	73183.343	1.192	0.163	10.00000	1.99	ug/L
	U	238	74166.846	1.319	0.165	10.00000	2.14	ug/L
	Na	23	339980.253	3.110	1.306	0.10000	5.00	mg/L
	Mg	24	218040.434	3.097	0.909	0.10000	5.30	mg/L
	K	39	1644652.580	4.840	2.731	0.10000	18.88	mg/L
	Ca	44	59299.339	1.072	0.094	0.10000	7.65	mg/L
	Fe	54	98905.736	7.411	0.281	0.10000	13.10	mg/L
>	Sc-1	45	236205.022	2.464	236205.022			mg/L
	Kr	83	105.334	7.905	-2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Monday, November 29, 2010 09:35:24
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Standard 2.7423
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25569.606	4.647	25569.606			ug/L
	Be	9	4373.531	3.236	0.171	20.19331	4.58	ug/L
	Al	27	368333.985	4.764	1.549	100.20862	3.11	ug/L
>	Sc	45	230055.760	1.826	230055.760			ug/L
	V	51	183249.623	4.773	0.786	20.12289	3.16	ug/L
	Cr	52	158401.732	1.331	0.650	20.20956	1.79	ug/L
	Mn	55	211436.791	8.181	0.916	19.95578	8.83	ug/L
	Co	59	179090.490	5.143	0.778	19.95239	3.74	ug/L
	Ni	60	36775.046	6.369	0.160	19.61343	4.87	ug/L
	Cu	65	39639.889	7.308	0.170	19.96771	5.79	ug/L
	Zn	66	22798.889	4.162	0.087	20.09779	4.18	ug/L
>	Ge	72	252920.695	3.533	252920.695			ug/L
	As	75	26945.015	3.183	0.107	20.16170	3.91	ug/L
	Se	82	2721.261	7.442	0.010	20.15395	4.94	ug/L
	Y	89	463505.539	5.322	-1476.944			ug/L
	Mo	98	78292.639	2.795	0.215	19.95762	4.35	ug/L
	Ag	107	103454.681	3.820	0.283	20.02973	5.14	ug/L
	Cd	111	25212.980	1.347	0.069	20.00931	3.84	ug/L
	Cd	114	55440.147	0.304	0.152	19.97087	3.10	mg/L
>	In	115	364340.227	2.800	364340.227			ug/L
	Sb	121	80324.171	4.363	0.220	20.02277	6.86	ug/L
	Ba	135	21607.322	3.851	0.047	19.98735	3.08	ug/L
>	Tb	159	458513.731	1.641	458513.731			ug/L
	Ho	165	405760.048	0.491	-0.015			ug/L
	Tl	205	111361.350	0.203	0.243	19.89483	1.58	ug/L
	Pb	208	149689.247	2.438	0.326	19.89292	0.82	ug/L
	Bi	209	154315.994	2.586	0.001			ug/L
	Th	232	146095.904	0.999	0.318	19.90710	1.72	ug/L
	U	238	142627.984	1.569	0.311	19.75247	2.05	ug/L
	Na	23	2622891.803	6.667	11.265	0.99842	6.06	mg/L
	Mg	24	1951504.411	5.587	8.464	0.99927	3.75	mg/L
	K	39	6835928.086	4.420	25.473	0.99929	4.65	mg/L
	Ca	44	250431.059	2.309	0.932	0.99989	3.44	mg/L
	Fe	54	585575.200	3.730	2.409	0.99834	4.98	mg/L
>	Sc-1	45	230055.760	1.826	230055.760			mg/L
	Kr	83	121.335	13.824	14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Monday, November 29, 2010 09:38:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Standard 3.7424
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27341.682	1.369	27341.682			ug/L
	Be	9	22737.968	2.370	0.831	99.91921	1.56	ug/L
	Al	27	1784675.435	7.356	7.320	498.68133	5.94	ug/L
>	Sc	45	242006.988	3.322	242006.988			ug/L
	V	51	921302.929	9.024	3.794	99.86219	7.27	ug/L
	Cr	52	777346.038	7.649	3.174	99.93323	7.25	ug/L
	Mn	55	1095403.415	0.791	4.526	99.93059	2.52	ug/L
	Co	59	918491.132	6.391	3.796	99.87153	6.06	ug/L
	Ni	60	196544.641	2.791	0.812	99.99211	1.44	ug/L
	Cu	65	195911.028	1.931	0.808	99.75278	4.74	ug/L
	Zn	66	111175.958	2.884	0.423	99.88614	0.22	ug/L
>	Ge	72	260783.227	3.023	260783.227			ug/L
	As	75	136057.789	3.026	0.522	99.93809	2.63	ug/L
	Se	82	13201.942	3.868	0.050	99.93228	4.69	ug/L
	Y	89	485611.179	1.693	20628.697			ug/L
	Mo	98	400654.649	4.113	1.089	100.05983	4.79	ug/L
	Ag	107	522517.042	3.237	1.419	100.01578	2.66	ug/L
	Cd	111	124297.843	1.866	0.337	99.91798	0.73	ug/L
	Cd	114	277567.987	3.479	0.754	99.95451	2.32	mg/L
>	In	115	367922.050	1.227	367922.050			ug/L
	Sb	121	389564.767	1.719	1.059	99.81125	1.78	ug/L
	Ba	135	103466.909	1.767	0.225	99.78967	1.07	ug/L
>	Tb	159	459380.643	2.432	459380.643			ug/L
	Ho	165	418902.486	3.436	0.012			ug/L
	Tl	205	559136.118	0.461	1.217	99.99292	2.91	ug/L
	Pb	208	750368.260	1.416	1.633	99.98742	1.26	ug/L
	Bi	209	156071.700	1.773	0.004			ug/L
	Th	232	736799.793	1.566	1.604	100.01465	3.53	ug/L
	U	238	722204.543	1.681	1.573	99.99573	3.73	ug/L
	Na	23	27803897.257	1.389	114.873	10.00178	4.64	mg/L
	Mg	24	19565073.535	4.806	80.886	9.99528	5.77	mg/L
	K	39	60253013.102	2.961	244.831	9.99588	3.21	mg/L
	Ca	44	2098885.573	5.243	8.514	9.99054	2.92	mg/L
	Fe	54	5380295.435	3.891	22.128	9.99098	7.03	mg/L
>	Sc-1	45	242006.988	3.322	242006.988			mg/L
	Kr	83	122.668	8.980	15.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Calibration

Analyte	Mass	Correlation Coefficient
Li	6	
Be	9	0.999984
Al	27	0.999930
Sc	45	
V	51	0.999977
Cr	52	0.999985
Mn	55	0.999995
Co	59	0.999983
Ni	60	0.999964
Cu	65	0.999939
Zn	66	0.999985
Ge	72	
As	75	0.999990
Se	82	0.999990
Y	89	
Mo	98	0.999996
Ag	107	1.000000
Cd	111	0.999993
Cd	114	0.999998
In	115	
Sb	121	0.999964
Ba	135	0.999956
Tb	159	
Ho	165	
Tl	205	0.999997
Pb	208	0.999997
Bi	209	
Th	232	0.999998
U	238	0.999985
Na	23	0.999997
Mg	24	0.999989
K	39	0.999991
Ca	44	0.999956
Fe	54	0.999958
Sc-1	45	
Kr	83	

Method 200.8 - Summary Report

Sample ID: SEQ-ICV

Sample Date/Time: Monday, November 29, 2010 09:41:01
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-ICV.7425
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	28239.043	3.690	28239.043			ug/L
	Be	9	11282.843	1.377	0.399	48.00081	2.48	ug/L
	Al	27	205084.646	0.925	0.798	54.38365	4.42	ug/L
>	Sc	45	241517.441	4.803	241517.441			ug/L
	V	51	434900.364	7.261	1.793	47.20953	9.55	ug/L
	Cr	52	381548.505	1.260	1.544	48.59616	3.93	ug/L
	Mn	55	545277.219	5.297	2.260	49.90666	8.93	ug/L
	Co	59	440206.493	2.436	1.824	47.98345	2.37	ug/L
	Ni	60	98458.913	2.999	0.408	50.20108	2.42	ug/L
	Cu	65	99609.946	2.105	0.411	50.72837	6.76	ug/L
	Zn	66	55223.645	2.228	0.215	50.75315	2.29	ug/L
>	Ge	72	253303.036	4.066	253303.036			ug/L
	As	75	70046.239	2.752	0.277	52.99812	3.82	ug/L
	Se	82	31790.042	3.493	0.125	249.46460	6.28	ug/L
	Y	89	465263.689	0.419	281.207			ug/L
	Mo	98	194666.245	3.537	0.537	49.31894	4.65	ug/L
	Ag	107	267997.623	2.926	0.738	52.02570	1.66	ug/L
	Cd	111	61468.925	2.441	0.169	50.05635	2.33	ug/L
	Cd	114	136060.160	0.618	0.375	49.71790	0.89	mg/L
>	In	115	362564.619	1.347	362564.619			ug/L
	Sb	121	200729.032	2.491	0.553	52.16618	1.46	ug/L
	Ba	135	53195.628	3.716	0.117	51.72892	2.83	ug/L
>	Tb	159	455234.694	0.922	455234.694			ug/L
	Ho	165	410073.259	1.162	0.001			ug/L
	Tl	205	273243.209	3.003	0.600	49.28061	3.65	ug/L
	Pb	208	371126.738	0.365	0.815	49.87442	0.88	ug/L
	Bi	209	153048.893	1.601	0.000			ug/L
	Th	232	361905.751	2.654	0.795	49.53977	2.59	ug/L
	U	238	357503.901	0.480	0.785	49.92106	1.29	ug/L
	Na	23	14661980.424	1.979	60.662	5.28171	4.96	mg/L
	Mg	24	10344332.951	0.917	42.879	5.29859	4.67	mg/L
	K	39	32008910.511	6.359	128.705	5.25474	10.75	mg/L
	Ca	44	1102574.734	3.735	4.418	5.18420	7.55	mg/L
	Fe	54	2691275.894	4.200	11.036	4.98300	8.79	mg/L
>	Sc-1	45	241517.441	4.803	241517.441			mg/L
	Kr	83	132.001	14.454	24.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		109.605			
	Be	9	96.002				
	Al	27	108.767				
>	Sc	45		103.416			
	V	51	94.419				
	Cr	52	97.192				
	Mn	55	99.813				
	Co	59	95.967				
	Ni	60	100.402				
	Cu	65	101.457				
	Zn	66	101.506				
>	Ge	72		103.055			
	As	75	105.996				
	Se	82	99.786				
	Y	89					
	Mo	98	98.638				
	Ag	107	104.051				
	Cd	111	100.113				
	Cd	114					
>	In	115		103.283			
	Sb	121	104.332				
	Ba	135	103.458				
>	Tb	159		99.889			
	Ho	165					
	Tl	205	98.561				
	Pb	208	99.749				
	Bi	209					
	Th	232	99.080				
	U	238	99.842				
	Na	23	105.634				
	Mg	24	105.972				
	K	39	105.095				
	Ca	44	103.684				
	Fe	54	99.660				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-ICB

Sample Date/Time: Monday, November 29, 2010 09:44:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-ICB.7426
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25396.167	1.523	25396.167			ug/L
	Be	9	15.333	7.531	0.000	0.00412	115.80	ug/L
	Al	27	12579.987	2.536	0.002	0.10952	73.46	ug/L
>	Sc	45	234796.805	1.235	234796.805			ug/L
	V	51	2641.156	2.368	0.000	0.01222	71.78	ug/L
	Cr	52	8951.744	3.407	-0.000	-0.00070	7891.55	ug/L
	Mn	55	692.607	7.616	-0.000	-0.00573	72.26	ug/L
	Co	59	159.449	1.944	0.000	0.00574	4.08	ug/L
	Ni	60	80.114	23.006	0.000	0.01083	84.27	ug/L
	Cu	65	1077.484	12.377	0.002	0.25623	24.72	ug/L
	Zn	66	739.377	3.603	-0.000	-0.02458	45.48	ug/L
>	Ge	72	248746.046	2.065	248746.046			ug/L
	As	75	88.325	88.201	0.000	0.06425	92.46	ug/L
	Se	82	132.001	19.697	0.000	0.05880	366.70	ug/L
	Y	89	471723.744	2.614	6741.262			ug/L
	Mo	98	739.459	6.318	0.002	0.14714	3.48	ug/L
	Ag	107	957.407	8.867	0.002	0.13238	7.75	ug/L
	Cd	111	225.911	5.856	0.000	0.00557	235.90	ug/L
	Cd	114	114.111	34.305	0.000	0.01306	107.56	mg/L
>	In	115	357837.101	3.570	357837.101			ug/L
	Sb	121	385.345	8.047	0.001	0.06815	16.94	ug/L
	Ba	135	59.334	10.298	0.000	0.00050	1074.25	ug/L
>	Tb	159	446545.141	1.378	446545.141			ug/L
	Ho	165	400639.555	1.330	-0.002			ug/L
	Tl	205	212.004	8.061	0.000	0.00910	38.75	ug/L
	Pb	208	442.006	8.477	0.000	0.01616	29.36	ug/L
	Bi	209	153642.321	0.943	0.008			ug/L
	Th	232	156.002	13.568	0.000	0.00603	53.55	ug/L
	U	238	94.667	22.192	0.000	0.00359	77.99	ug/L
	Na	23	36903.370	3.238	0.023	0.00204	21.51	mg/L
	Mg	24	4118.024	3.566	0.003	0.00034	28.08	mg/L
	K	39	1019575.527	5.607	0.102	0.00417	245.14	mg/L
	Ca	44	35000.398	0.632	-0.008	-0.00917	26.84	mg/L
	Fe	54	30472.093	4.417	-0.008	-0.00358	71.77	mg/L
>	Sc-1	45	234796.805	1.235	234796.805			mg/L
	Kr	83	130.668	19.138	23.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.571			
	Be	9					
	Al	27					
>	Sc	45		100.539			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.201			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		101.936			
	Sb	121					
	Ba	135					
>	Tb	159		97.982			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CRL

Sample Date/Time: Monday, November 29, 2010 09:47:05
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CRL.7427
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25462.448	2.386	25462.448			ug/L
	Be	9	45.333	2.547	0.001	0.14573	5.84	ug/L
	Al	27	84473.983	5.039	0.315	21.44704	9.52	ug/L
>	Sc	45	230714.053	3.646	230714.053			ug/L
	V	51	20230.297	4.608	0.077	2.02777	8.23	ug/L
	Cr	52	15574.767	6.326	0.030	0.92910	23.12	ug/L
	Mn	55	2545.926	3.822	0.008	0.17289	4.05	ug/L
	Co	59	1767.331	4.190	0.007	0.18975	7.57	ug/L
	Ni	60	1794.005	2.138	0.008	0.92756	5.41	ug/L
	Cu	65	2290.628	7.321	0.007	0.91696	10.55	ug/L
	Zn	66	5676.587	7.699	0.020	4.83624	7.93	ug/L
>	Ge	72	240798.231	2.528	240798.231			ug/L
	As	75	2437.115	0.898	0.010	1.93559	3.23	ug/L
	Se	82	236.671	9.347	0.000	0.96212	23.47	ug/L
	Y	89	451517.888	2.407	-13464.595			ug/L
	Mo	98	973.637	2.499	0.002	0.21555	4.35	ug/L
	Ag	107	2775.950	2.779	0.007	0.50852	4.19	ug/L
	Cd	111	440.426	2.004	0.001	0.19479	1.56	ug/L
	Cd	114	583.505	17.431	0.001	0.19388	19.34	mg/L
>	In	115	346648.273	1.308	346648.273			ug/L
	Sb	121	3885.208	2.836	0.011	1.02315	2.55	ug/L
	Ba	135	530.022	3.600	0.001	0.47203	1.57	ug/L
>	Tb	159	442872.054	2.402	442872.054			ug/L
	Ho	165	399508.880	3.668	0.002			ug/L
	Tl	205	1162.775	2.839	0.002	0.18579	3.63	ug/L
	Pb	208	1560.078	2.015	0.003	0.17128	0.71	ug/L
	Bi	209	149860.762	0.681	0.003			ug/L
	Th	232	6614.837	4.788	0.015	0.91587	6.24	ug/L
	U	238	1339.477	4.373	0.003	0.18263	7.02	ug/L
	Na	23	15427.051	5.286	-0.067	-0.00582	2.43	mg/L
	Mg	24	2720.596	10.559	-0.003	-0.00037	56.45	mg/L
	K	39	942955.416	3.093	-0.149	-0.00609	148.57	mg/L
	Ca	44	35722.531	3.165	-0.002	-0.00214	559.15	mg/L
	Fe	54	29321.493	9.651	-0.011	-0.00486	84.22	mg/L
>	Sc-1	45	230714.053	3.646	230714.053			mg/L
	Kr	83	110.001	8.332	2.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.828			
	Be	9	72.865				
	Al	27	107.235				
>	Sc	45		98.790			
	V	51	101.389				
	Cr	52	92.910				
	Mn	55	86.447				
	Co	59	94.874				
	Ni	60	92.756				
	Cu	65	91.696				
	Zn	66	96.725				
>	Ge	72		97.968			
	As	75	96.779				
	Se	82	96.212				
	Y	89					
	Mo	98	107.776				
	Ag	107	101.705				
	Cd	111	97.393				
	Cd	114					
>	In	115		98.749			
	Sb	121	102.315				
	Ba	135	94.407				
>	Tb	159		97.176			
	Ho	165					
	Tl	205	92.897				
	Pb	208	85.638				
	Bi	209					
	Th	232	91.587				
	U	238	91.314				
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-IFA

Sample Date/Time: Monday, November 29, 2010 09:50:07
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-IFA.7428
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25204.147	5.340	25204.147			ug/L
	Be	9	16.000	12.500	0.000	0.00832	161.69	ug/L
	Al	27	27798623.440	5.827	130.636	8899.60191	5.34	ug/L
>	Sc	45	212686.746	1.382	212686.746			ug/L
	V	51	1394.999	61.292	-0.004	-0.11221	92.71	ug/L
	Cr	52	8926.391	6.995	0.004	0.12010	79.46	ug/L
	Mn	55	1037.697	36.342	0.002	0.03662	104.42	ug/L
	Co	59	267.904	75.948	0.001	0.02081	119.92	ug/L
	Ni	60	-253.527	27.307	-0.001	-0.17816	23.43	ug/L
	Cu	65	1391.514	6.323	0.004	0.49825	11.48	ug/L
	Zn	66	1716.903	6.629	0.004	0.86972	11.16	ug/L
>	Ge	72	254012.357	3.813	254012.357			ug/L
	As	75	102.155	100.803	0.000	0.07377	104.48	ug/L
	Se	82	154.669	4.157	0.000	0.21595	45.56	ug/L
	Y	89	435296.345	2.220	-29686.137			ug/L
	Mo	98	696722.376	2.809	2.076	190.81382	3.39	ug/L
	Ag	107	316.675	3.241	0.000	0.01062	36.09	ug/L
	Cd	111	260.458	21.754	0.000	0.04859	107.63	ug/L
	Cd	114	972.614	8.175	0.003	0.35475	6.50	mg/L
>	In	115	335605.930	2.606	335605.930			ug/L
	Sb	121	263.339	5.751	0.000	0.04036	11.77	ug/L
	Ba	135	228.671	14.058	0.000	0.19939	16.44	ug/L
>	Tb	159	392762.635	1.456	392762.635			ug/L
	Ho	165	353394.932	2.056	0.000			ug/L
	Tl	205	186.669	9.722	0.000	0.00914	44.78	ug/L
	Pb	208	1086.703	0.106	0.002	0.12501	2.13	ug/L
	Bi	209	141181.265	2.210	0.024			ug/L
	Th	232	157.335	1.468	0.000	0.00920	4.57	ug/L
	U	238	14.667	69.976	-0.000	-0.00749	21.82	ug/L
	Na	23	24918343.701	5.692	116.991	10.18617	4.60	mg/L
	Mg	24	16739031.048	8.246	78.641	9.71784	6.92	mg/L
	K	39	53599211.099	10.723	247.861	10.11963	11.36	mg/L
	Ca	44	1919674.078	3.441	8.873	10.41183	4.78	mg/L
	Fe	54	4709477.920	6.930	22.017	9.94106	8.01	mg/L
>	Sc-1	45	212686.746	1.382	212686.746			mg/L
	Kr	83	138.668	24.321	31.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		97.826			
	Be	9					
	Al	27	88.996				
>	Sc	45		91.071			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.344			
	As	75					
	Se	82					
	Y	89					
	Mo	98	95.407				
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.603			
	Sb	121					
	Ba	135					
>	Tb	159		86.181			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23	101.862				
	Mg	24	97.178				
	K	39	101.196				
	Ca	44	104.118				
	Fe	54	99.411				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-IFB

Sample Date/Time: Monday, November 29, 2010 09:53:09
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-IFB.7429
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24622.432	2.832	24622.432			ug/L
	Be	9	9.333	49.487	-0.000	-0.02257	102.72	ug/L
	Al	27	24589037.757	16.734	117.115	7978.46515	20.11	ug/L
>	Sc	45	211248.706	6.632	211248.706			ug/L
	V	51	2291.139	97.158	-0.000	-0.00127	21776.63	ug/L
	Cr	52	144448.159	2.502	0.648	20.39297	7.72	ug/L
	Mn	55	194642.836	8.051	0.918	20.26153	1.44	ug/L
	Co	59	159632.866	5.058	0.756	19.88586	1.71	ug/L
	Ni	60	34226.282	0.840	0.162	19.97745	6.57	ug/L
	Cu	65	36462.996	1.710	0.171	21.06179	6.36	ug/L
	Zn	66	21894.961	2.041	0.084	19.88607	2.65	ug/L
>	Ge	72	250779.794	2.998	250779.794			ug/L
	As	75	25423.934	3.462	0.101	19.43627	6.30	ug/L
	Se	82	132.668	11.112	0.000	0.05695	251.98	ug/L
	Y	89	439075.096	0.429	-25907.387			ug/L
	Mo	98	717443.377	0.126	2.165	199.00212	2.85	ug/L
	Ag	107	91563.853	0.588	0.276	19.42343	3.12	ug/L
	Cd	111	23075.077	2.177	0.069	20.45466	2.54	ug/L
	Cd	114	50699.409	1.227	0.153	20.25664	2.62	mg/L
>	In	115	331432.568	2.821	331432.568			ug/L
	Sb	121	208.003	4.808	0.000	0.02551	9.37	ug/L
	Ba	135	372.011	4.401	0.001	0.37368	4.00	ug/L
>	Tb	159	381603.304	1.401	381603.304			ug/L
	Ho	165	345248.505	1.357	0.005			ug/L
	Tl	205	203.337	9.452	0.000	0.01387	31.91	ug/L
	Pb	208	784.020	2.664	0.001	0.08138	4.27	ug/L
	Bi	209	141987.085	1.893	0.036			ug/L
	Th	232	110.001	14.201	0.000	0.00218	109.39	ug/L
	U	238	18.000	22.222	-0.000	-0.00686	10.03	ug/L
	Na	23	22595169.318	6.278	106.982	9.31475	6.22	mg/L
	Mg	24	15063473.529	8.088	71.367	8.81900	7.29	mg/L
	K	39	50359593.586	5.503	235.345	9.60860	11.75	mg/L
	Ca	44	1851449.503	5.945	8.611	10.10463	1.62	mg/L
	Fe	54	4487914.317	6.454	21.121	9.53641	4.05	mg/L
>	Sc-1	45	211248.706	6.632	211248.706			mg/L
	Kr	83	122.001	10.750	14.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		95.568			
	Be	9					
	Al	27	79.785				
>	Sc	45		90.455			
	V	51					
	Cr	52	101.965				
	Mn	55	101.308				
	Co	59	99.429				
	Ni	60	99.887				
	Cu	65	105.309				
	Zn	66	99.430				
>	Ge	72		102.029			
	As	75	97.181				
	Se	82					
	Y	89					
	Mo	98	99.501				
	Ag	107	97.117				
	Cd	111	102.273				
	Cd	114					
>	In	115		94.414			
	Sb	121					
	Ba	135					
>	Tb	159		83.733			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23	93.148				
	Mg	24	88.190				
	K	39	96.086				
	Ca	44	101.046				
	Fe	54	95.364				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Monday, November 29, 2010 09:56:11
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7430
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24732.853	1.934	24732.853			ug/L
	Be	9	10022.049	6.177	0.405	48.64025	5.18	ug/L
	Al	27	761684.904	3.258	3.372	229.69813	6.26	ug/L
>	Sc	45	222799.784	4.063	222799.784			ug/L
	V	51	412356.850	4.823	1.842	48.48673	6.12	ug/L
	Cr	52	355973.357	1.479	1.561	49.15866	4.58	ug/L
	Mn	55	480946.047	3.803	2.156	47.60853	2.57	ug/L
	Co	59	435137.527	4.252	1.953	51.37715	0.98	ug/L
	Ni	60	92601.115	4.974	0.415	51.15876	3.69	ug/L
	Cu	65	92291.282	0.698	0.412	50.90397	4.61	ug/L
	Zn	66	55740.195	2.134	0.210	49.62732	1.50	ug/L
>	Ge	72	261257.994	1.968	261257.994			ug/L
	As	75	63656.990	3.253	0.244	46.68217	4.53	ug/L
	Se	82	6425.306	4.506	0.024	47.99305	2.68	ug/L
	Y	89	464530.467	6.773	-452.015			ug/L
	Mo	98	190146.145	0.975	0.544	49.97795	5.00	ug/L
	Ag	107	250989.559	2.772	0.718	50.57521	5.75	ug/L
	Cd	111	59483.241	2.414	0.170	50.22750	2.05	ug/L
	Cd	114	130135.319	4.115	0.372	49.29402	2.79	mg/L
>	In	115	349853.450	4.372	349853.450			ug/L
	Sb	121	186302.445	1.736	0.533	50.24239	4.65	ug/L
	Ba	135	47113.681	2.993	0.114	50.49909	2.43	ug/L
>	Tb	159	413042.493	1.299	413042.493			ug/L
	Ho	165	365418.268	2.228	-0.015			ug/L
	Tl	205	253796.657	2.968	0.614	50.45038	3.57	ug/L
	Pb	208	352468.446	2.083	0.853	52.20164	0.83	ug/L
	Bi	209	148433.517	1.536	0.024			ug/L
	Th	232	351841.262	3.705	0.852	53.08859	3.98	ug/L
	U	238	342752.831	2.134	0.830	52.74711	1.76	ug/L
	Na	23	11868108.350	7.405	53.131	4.62601	5.90	mg/L
	Mg	24	8513401.417	5.365	38.271	4.72917	8.44	mg/L
	K	39	27886031.763	6.579	121.285	4.95179	11.18	mg/L
	Ca	44	1008292.436	1.782	4.375	5.13434	5.76	mg/L
	Fe	54	2491437.659	2.261	11.053	4.99036	3.09	mg/L
>	Sc-1	45	222799.784	4.063	222799.784			mg/L
	Kr	83	120.001	12.583	12.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		95.996			
	Be	9	97.280				
	Al	27	91.879				
>	Sc	45		95.402			
	V	51	96.973				
	Cr	52	98.317				
	Mn	55	95.217				
	Co	59	102.754				
	Ni	60	102.318				
	Cu	65	101.808				
	Zn	66	99.255				
>	Ge	72		106.292			
	As	75	93.364				
	Se	82	95.986				
	Y	89					
	Mo	98	99.956				
	Ag	107	101.150				
	Cd	111	100.455				
	Cd	114					
>	In	115		99.662			
	Sb	121	100.485				
	Ba	135	100.998				
>	Tb	159		90.631			
	Ho	165					
	Tl	205	100.901				
	Pb	208	104.403				
	Bi	209					
	Th	232	106.177				
	U	238	105.494				
	Na	23	92.520				
	Mg	24	94.583				
	K	39	99.036				
	Ca	44	102.687				
	Fe	54	99.807				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Monday, November 29, 2010 09:59:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7431
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24360.783	4.598	24360.783			ug/L
	Be	9	9.333	65.465	-0.000	-0.02139	153.94	ug/L
	Al	27	11998.198	5.806	0.005	0.34815	103.72	ug/L
>	Sc	45	210654.545	3.859	210654.545			ug/L
	V	51	2252.800	7.886	-0.000	-0.00221	1058.00	ug/L
	Cr	52	8057.860	2.748	0.000	0.00474	1634.53	ug/L
	Mn	55	666.104	8.166	-0.000	-0.00089	773.72	ug/L
	Co	59	193.750	23.596	0.000	0.01198	40.90	ug/L
	Ni	60	85.081	8.257	0.000	0.01877	32.31	ug/L
	Cu	65	787.590	5.292	0.001	0.15255	24.43	ug/L
	Zn	66	742.044	7.965	-0.000	-0.01050	381.08	ug/L
>	Ge	72	244570.357	2.362	244570.357			ug/L
	As	75	64.506	153.773	0.000	0.04754	164.64	ug/L
	Se	82	117.334	18.776	-0.000	-0.04138	473.51	ug/L
	Y	89	443164.246	3.251	-21818.236			ug/L
	Mo	98	980.826	8.722	0.002	0.21882	8.02	ug/L
	Ag	107	921.401	2.653	0.002	0.13258	2.67	ug/L
	Cd	111	178.929	8.386	-0.000	-0.02745	61.51	ug/L
	Cd	114	206.377	69.611	0.000	0.05106	112.75	mg/L
>	In	115	344451.080	2.631	344451.080			ug/L
	Sb	121	344.676	10.705	0.001	0.06087	19.63	ug/L
	Ba	135	60.000	29.627	0.000	0.00482	403.46	ug/L
>	Tb	159	422222.838	1.416	422222.838			ug/L
	Ho	165	376539.977	1.585	-0.008			ug/L
	Tl	205	213.337	7.099	0.000	0.01162	29.96	ug/L
	Pb	208	397.338	8.059	0.000	0.01323	39.58	ug/L
	Bi	209	146168.463	1.743	0.010			ug/L
	Th	232	184.003	13.620	0.000	0.01139	32.47	ug/L
	U	238	102.001	46.360	0.000	0.00555	130.50	ug/L
	Na	23	31133.563	6.427	0.014	0.00122	33.85	mg/L
	Mg	24	3973.964	20.272	0.004	0.00051	102.49	mg/L
	K	39	920555.606	3.137	0.137	0.00558	215.82	mg/L
	Ca	44	36081.856	0.783	0.015	0.01708	45.10	mg/L
	Fe	54	29505.316	6.633	0.003	0.00113	434.19	mg/L
>	Sc-1	45	210654.545	3.859	210654.545			mg/L
	Kr	83	114.001	4.642	6.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.552			
	Be	9					
	Al	27					
>	Sc	45		90.201			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.502			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.123			
	Sb	121					
	Ba	135					
>	Tb	159		92.646			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011111-BLK1

Sample Date/Time: Monday, November 29, 2010 10:02:14
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011111-BLK1.7432
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24143.239	3.128	24143.239			ug/L
	Be	9	7.333	87.670	-0.000	-0.03254	96.94	ug/L
	Al	27	14561.642	5.291	0.016	1.11336	26.82	ug/L
>	Sc	45	213417.053	4.717	213417.053			ug/L
	V	51	2305.847	7.925	0.000	0.00035	4076.86	ug/L
	Cr	52	8043.840	1.468	-0.000	-0.01253	590.02	ug/L
	Mn	55	567.694	8.215	-0.001	-0.01185	65.30	ug/L
	Co	59	107.934	12.079	0.000	0.00115	88.19	ug/L
	Ni	60	59.934	9.860	0.000	0.00361	138.98	ug/L
	Cu	65	388.979	11.438	-0.001	-0.08507	23.54	ug/L
	Zn	66	395.346	7.372	-0.001	-0.34200	7.51	ug/L
>	Ge	72	242960.697	1.075	242960.697			ug/L
	As	75	105.376	14.617	0.000	0.07937	16.24	ug/L
	Se	82	122.001	9.836	0.000	0.00150	7274.86	ug/L
	Y	89	455923.664	2.985	-9058.818			ug/L
	Mo	98	550.107	12.131	0.001	0.10424	17.96	ug/L
	Ag	107	440.016	4.384	0.000	0.03413	12.80	ug/L
	Cd	111	175.820	4.133	-0.000	-0.03041	13.36	ug/L
	Cd	114	94.114	38.875	0.000	0.00713	197.03	mg/L
>	In	115	344350.306	1.877	344350.306			ug/L
	Sb	121	952.739	4.682	0.002	0.22719	4.45	ug/L
	Ba	135	45.334	16.703	-0.000	-0.01050	78.54	ug/L
>	Tb	159	420120.519	0.515	420120.519			ug/L
	Ho	165	378224.885	0.982	0.001			ug/L
	Tl	205	226.004	4.598	0.000	0.01426	12.82	ug/L
	Pb	208	336.003	9.745	0.000	0.00454	104.04	ug/L
	Bi	209	145384.193	0.623	0.010			ug/L
	Th	232	55.334	16.299	-0.000	-0.00757	17.36	ug/L
	U	238	27.333	44.105	-0.000	-0.00572	31.60	ug/L
	Na	23	17606.799	4.528	-0.051	-0.00446	8.09	mg/L
	Mg	24	3021.407	14.377	-0.001	-0.00008	278.66	mg/L
	K	39	861650.268	1.743	-0.196	-0.00799	125.10	mg/L
	Ca	44	35619.216	0.936	0.010	0.01199	68.47	mg/L
	Fe	54	28518.966	3.612	-0.004	-0.00169	291.94	mg/L
>	Sc-1	45	213417.053	4.717	213417.053			mg/L
	Kr	83	121.335	17.314	14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.708			
	Be	9					
	Al	27					
>	Sc	45		91.384			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.848			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.094			
	Sb	121					
	Ba	135					
>	Tb	159		92.184			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011111-BS1

Sample Date/Time: Monday, November 29, 2010 10:05:01
Sample Type: Spike - 3 of 1
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011111-BS1.7433
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25295.806	3.947	25295.806			ug/L
	Be	9	20358.460	3.244	0.805	96.80463	5.15	ug/L
	Al	27	28167302.250	8.588	127.542	8688.81303	11.36	ug/L
>	Sc	45	221310.045	3.997	221310.045			ug/L
	V	51	793153.055	1.457	3.576	94.12814	2.90	ug/L
	Cr	52	658854.137	4.623	2.945	92.72482	8.34	ug/L
	Mn	55	979851.310	2.820	4.429	97.80356	5.03	ug/L
	Co	59	837646.403	2.963	3.786	99.60882	1.09	ug/L
	Ni	60	172717.521	0.852	0.781	96.18591	4.57	ug/L
	Cu	65	166269.517	2.455	0.750	92.62427	6.56	ug/L
	Zn	66	105072.811	6.306	0.406	95.73383	3.66	ug/L
>	Ge	72	256924.248	3.075	256924.248			ug/L
	As	75	127168.307	4.972	0.495	94.84731	5.86	ug/L
	Se	82	61339.796	3.625	0.238	475.10239	5.07	ug/L
	Y	89	453266.849	4.268	-11715.633			ug/L
	Mo	98	362046.856	4.521	1.029	94.57272	3.10	ug/L
	Ag	107	492004.453	5.247	1.399	98.59635	5.98	ug/L
	Cd	111	114851.127	1.505	0.326	96.63854	2.48	ug/L
	Cd	114	255035.788	2.007	0.725	96.12635	0.87	mg/L
>	In	115	351568.871	1.686	351568.871			ug/L
	Sb	121	369904.226	0.876	1.052	99.19991	2.23	ug/L
	Ba	135	97201.398	0.984	0.225	99.87224	0.64	ug/L
>	Tb	159	431154.550	0.981	431154.550			ug/L
	Ho	165	382553.615	1.744	-0.012			ug/L
	Tl	205	510047.359	1.963	1.183	97.15686	2.91	ug/L
	Pb	208	676678.924	1.655	1.569	96.04882	0.94	ug/L
	Bi	209	149002.893	1.707	0.010			ug/L
	Th	232	674004.692	0.617	1.563	97.43836	1.60	ug/L
	U	238	647708.147	1.468	1.502	95.50358	1.74	ug/L
	Na	23	25579649.994	2.285	115.620	10.06678	5.84	mg/L
	Mg	24	17242336.161	5.704	77.948	9.63225	5.98	mg/L
	K	39	52394222.332	7.683	232.858	9.50709	9.35	mg/L
	Ca	44	1969860.610	1.139	8.756	10.27439	4.99	mg/L
	Fe	54	4845595.491	0.509	21.780	9.83398	3.95	mg/L
>	Sc-1	45	221310.045	3.997	221310.045			mg/L
	Kr	83	161.335	14.475	54.001			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.181			
	Be	9			96.837		
	Al	27			86.877		
>	Sc	45		94.764			
	V	51			94.128		
	Cr	52			92.737		
	Mn	55			97.815		
	Co	59			99.608		
	Ni	60			96.182		
	Cu	65			92.709		
	Zn	66			96.076		
>	Ge	72		104.529			
	As	75			94.768		
	Se	82			95.020		
	Y	89					
	Mo	98			94.468		
	Ag	107			98.562		
	Cd	111			96.669		
	Cd	114					
>	In	115		100.150			
	Sb	121			98.973		
	Ba	135			99.883		
>	Tb	159		94.605			
	Ho	165					
	Tl	205			97.143		
	Pb	208			96.044		
	Bi	209					
	Th	232			97.446		
	U	238			95.509		
	Na	23			100.712		
	Mg	24			96.323		
	K	39			95.151		
	Ca	44			102.624		
	Fe	54			98.357		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-03

Sample Date/Time: Monday, November 29, 2010 10:07:48
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-03.7434
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23981.344	5.455	23981.344			ug/L
	Be	9	6.667	75.498	-0.000	-0.03544	70.09	ug/L
	Al	27	20899.592	4.176	0.049	3.36917	6.87	ug/L
>	Sc	45	206345.361	6.937	206345.361			ug/L
	V	51	9027.301	5.289	0.033	0.87014	8.69	ug/L
	Cr	52	27120.122	4.403	0.094	2.94862	10.66	ug/L
	Mn	55	106356.466	1.836	0.514	11.33900	5.54	ug/L
	Co	59	-135.899	246.345	-0.001	-0.02996	146.82	ug/L
	Ni	60	-1687.446	21.973	-0.008	-1.04287	23.76	ug/L
	Cu	65	-803.869	12.064	-0.006	-0.79408	10.61	ug/L
	Zn	66	2601.208	3.385	0.008	1.80858	7.92	ug/L
>	Ge	72	242451.790	2.985	242451.790			ug/L
	As	75	431.204	20.163	0.002	0.33570	17.53	ug/L
	Se	82	230.004	3.790	0.000	0.89162	10.28	ug/L
	Y	89	438573.480	3.397	-26409.002			ug/L
	Mo	98	3962.829	4.791	0.011	1.03609	3.96	ug/L
	Ag	107	826.056	17.103	0.002	0.11631	23.69	ug/L
	Cd	111	225.702	4.615	0.000	0.01648	56.19	ug/L
	Cd	114	125.465	0.505	0.000	0.02020	3.74	mg/L
>	In	115	337533.302	1.169	337533.302			ug/L
	Sb	121	984.078	9.467	0.003	0.24120	10.46	ug/L
	Ba	135	61056.158	1.529	0.154	68.31487	0.93	ug/L
>	Tb	159	395823.413	1.343	395823.413			ug/L
	Ho	165	361355.154	0.838	0.013			ug/L
	Tl	205	188.003	1.064	0.000	0.00910	1.22	ug/L
	Pb	208	345.337	7.885	0.000	0.00903	52.90	ug/L
	Bi	209	140496.731	3.341	0.019			ug/L
	Th	232	224.671	4.112	0.000	0.01960	5.60	ug/L
	U	238	2760.612	8.377	0.007	0.43366	8.91	ug/L
	Na	23	5356652.378	5.935	25.856	2.25122	4.64	mg/L
	Mg	24	8602991.377	1.937	41.774	5.16213	5.04	mg/L
	K	39	3522334.651	3.560	12.869	0.52541	7.82	mg/L
	Ca	44	6732916.591	6.248	32.501	38.13876	4.03	mg/L
	Fe	54	20161.525	4.507	-0.040	-0.01786	26.71	mg/L
>	Sc-1	45	206345.361	6.937	206345.361			mg/L
	Kr	83	131.335	7.512	24.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.080			
	Be	9					
	Al	27					
>	Sc	45		88.356			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.640			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.152			
	Sb	121					
	Ba	135					
>	Tb	159		86.853			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011111-DUP1

Sample Date/Time: Monday, November 29, 2010 10:10:35
Sample Type: Duplicate of 3
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011111-DUP1.7435
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24445.795	5.030	24445.795			ug/L
	Be	9	7.333	15.746	-0.000	-0.03213	22.68	ug/L
	Al	27	66792.556	113.423	0.263	17.90614	131.42	ug/L
>	Sc	45	205119.641	4.703	205119.641			ug/L
	V	51	7976.134	2.586	0.028	0.74036	3.06	ug/L
	Cr	52	24004.009	0.824	0.079	2.48854	7.36	ug/L
	Mn	55	97329.599	6.002	0.471	10.40792	4.30	ug/L
	Co	59	-515.185	51.221	-0.003	-0.07931	45.75	ug/L
	Ni	60	-1812.518	11.583	-0.009	-1.12384	14.98	ug/L
	Cu	65	-1048.750	19.510	-0.008	-0.94483	15.44	ug/L
	Zn	66	3359.681	42.992	0.012	2.76464	53.58	ug/L
>	Ge	72	226863.463	0.789	226863.463			ug/L
	As	75	301.042	27.351	0.001	0.25001	27.08	ug/L
	Se	82	183.336	9.278	0.000	0.60980	22.55	ug/L
	Y	89	424933.344	0.959	-40049.138			ug/L
	Mo	98	3221.369	1.726	0.009	0.86828	4.11	ug/L
	Ag	107	387.345	12.913	0.000	0.02788	32.93	ug/L
	Cd	111	212.253	11.269	0.000	0.01148	149.73	ug/L
	Cd	114	97.559	16.816	0.000	0.01080	69.57	mg/L
>	In	115	325195.390	2.327	325195.390			ug/L
	Sb	121	719.375	5.160	0.002	0.17502	7.11	ug/L
	Ba	135	59351.910	2.277	0.152	67.29405	2.84	ug/L
>	Tb	159	390658.925	1.224	390658.925			ug/L
	Ho	165	353416.866	2.332	0.005			ug/L
	Tl	205	193.336	13.342	0.000	0.01071	47.97	ug/L
	Pb	208	275.336	32.439	-0.000	-0.00133	1028.49	ug/L
	Bi	209	143083.471	1.294	0.030			ug/L
	Th	232	138.668	20.868	0.000	0.00633	69.64	ug/L
	U	238	2518.508	4.585	0.006	0.39989	3.49	ug/L
	Na	23	4913353.702	4.007	23.835	2.07527	3.71	mg/L
	Mg	24	8245764.512	5.445	40.189	4.96618	3.25	mg/L
	K	39	3304316.771	5.687	11.903	0.48599	11.85	mg/L
	Ca	44	6608726.630	7.689	32.100	37.66812	8.73	mg/L
	Fe	54	19117.282	9.878	-0.045	-0.02017	10.58	mg/L
>	Sc-1	45	205119.641	4.703	205119.641			mg/L
	Kr	83	110.668	12.822	3.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.882			
	Be	9					9.787
	Al	27					136.656
>	Sc	45		87.831			
	V	51					16.117
	Cr	52					16.923
	Mn	55					8.563
	Co	59					90.341
	Ni	60					7.474
	Cu	65					17.338
	Zn	66					41.811
>	Ge	72		92.298			
	As	75					29.259
	Se	82					37.541
	Y	89					
	Mo	98					17.624
	Ag	107					122.652
	Cd	111					35.812
	Cd	114					60.612
>	In	115		92.637			
	Sb	121					31.801
	Ba	135					1.506
>	Tb	159		85.720			
	Ho	165					
	Tl	205					16.325
	Pb	208					268.879
	Bi	209					
	Th	232					102.382
	U	238					8.102
	Na	23					8.134
	Mg	24					3.869
	K	39					7.795
	Ca	44					1.242
	Fe	54					12.146
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-SRD1 @5X

Sample Date/Time: Monday, November 29, 2010 10:13:22
Sample Type: Dilution - DF:5 of 3
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-SRD1 @5X.7436
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24904.941	5.113	24904.941			ug/L
	Be	9	12.667	9.116	-0.000	-0.00715	95.78	ug/L
	Al	27	56115.627	120.741	0.200	13.63151	150.27	ug/L
>	Sc	45	220708.876	4.426	220708.876			ug/L
	V	51	3851.931	7.763	0.007	0.17594	21.45	ug/L
	Cr	52	12644.779	0.990	0.019	0.60522	16.51	ug/L
	Mn	55	22403.725	3.455	0.098	2.17139	1.83	ug/L
	Co	59	33.967	167.287	-0.000	-0.00805	83.07	ug/L
	Ni	60	-240.068	20.345	-0.001	-0.16603	20.41	ug/L
	Cu	65	221.318	11.089	-0.002	-0.18566	9.76	ug/L
	Zn	66	1629.625	74.711	0.003	0.79981	138.51	ug/L
>	Ge	72	249688.479	2.017	249688.479			ug/L
	As	75	116.782	87.772	0.000	0.08596	92.56	ug/L
	Se	82	138.668	16.717	0.000	0.10570	165.97	ug/L
	Y	89	449720.187	4.171	-15262.295			ug/L
	Mo	98	956.749	5.970	0.002	0.21374	6.37	ug/L
	Ag	107	319.342	6.984	0.000	0.00971	50.70	ug/L
	Cd	111	193.695	7.318	-0.000	-0.01428	82.64	ug/L
	Cd	114	72.823	44.254	-0.000	-0.00093	1333.61	mg/L
>	In	115	342873.048	1.328	342873.048			ug/L
	Sb	121	434.015	9.411	0.001	0.08580	14.98	ug/L
	Ba	135	12106.382	1.515	0.030	13.25297	3.40	ug/L
>	Tb	159	403362.118	2.816	403362.118			ug/L
	Ho	165	366121.768	2.247	0.008			ug/L
	Tl	205	172.002	24.419	0.000	0.00504	159.59	ug/L
	Pb	208	284.669	17.128	-0.000	-0.00122	583.27	ug/L
	Bi	209	147331.428	4.013	0.029			ug/L
	Th	232	163.335	13.093	0.000	0.00944	30.95	ug/L
	U	238	507.354	7.829	0.001	0.07008	7.42	ug/L
	Na	23	1313408.424	2.189	5.826	0.50723	5.44	mg/L
	Mg	24	1954448.368	4.956	8.856	1.09438	7.53	mg/L
	K	39	1467812.936	2.344	2.422	0.09889	17.82	mg/L
	Ca	44	1519207.156	9.396	6.719	7.88508	6.47	mg/L
	Fe	54	26762.699	7.848	-0.016	-0.00741	51.98	mg/L
>	Sc-1	45	220708.876	4.426	220708.876			mg/L
	Kr	83	116.668	2.619	9.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		96.664			
	Be	9				-0.899	
	Al	27				1922.976	
>	Sc	45		94.506			
	V	51				1.098	
	Cr	52				2.627	
	Mn	55				4.251	
	Co	59				-34.411	
	Ni	60				-20.398	
	Cu	65				-16.905	
	Zn	66				121.116	
>	Ge	72		101.585			
	As	75				28.032	
	Se	82				40.726	
	Y	89					
	Mo	98				3.149	
	Ag	107				58.257	
	Cd	111				533.274	
	Cd	114				123.028	
>	In	115		97.673			
	Sb	121				77.870	
	Ba	135				3.001	
>	Tb	159		88.507			
	Ho	165					
	Tl	205				177.052	
	Pb	208				167.713	
	Bi	209					
	Th	232				140.949	
	U	238				19.199	
	Na	23				12.656	
	Mg	24				6.001	
	K	39				5.894	
	Ca	44				3.374	
	Fe	54				-107.588	
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011111-MS1

Sample Date/Time: Monday, November 29, 2010 10:16:09
Sample Type: Spike - 3 of 3
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011111-MS1.7437
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23374.365	4.944	23374.365			ug/L
	Be	9	18881.150	1.893	0.808	97.18817	4.53	ug/L
	Al	27	24311398.195	12.158	120.088	8180.99714	15.27	ug/L
>	Sc	45	202971.973	3.211	202971.973			ug/L
	V	51	753867.804	1.734	3.705	97.52623	2.20	ug/L
	Cr	52	628748.339	5.979	3.066	96.51595	9.31	ug/L
	Mn	55	958356.062	5.461	4.726	104.35762	8.37	ug/L
	Co	59	709211.880	4.437	3.498	92.03750	6.78	ug/L
	Ni	60	152343.979	4.954	0.752	92.54921	8.12	ug/L
	Cu	65	149105.268	1.408	0.733	90.49068	4.61	ug/L
	Zn	66	102329.399	3.020	0.421	99.23973	3.05	ug/L
>	Ge	72	241746.031	4.556	241746.031			ug/L
	As	75	135206.768	5.083	0.559	107.09305	0.73	ug/L
	Se	82	68242.655	2.149	0.282	562.23180	4.62	ug/L
	Y	89	414649.040	1.988	-50333.442			ug/L
	Mo	98	327024.356	1.285	1.018	93.58185	1.91	ug/L
	Ag	107	446627.400	2.469	1.390	97.96466	0.78	ug/L
	Cd	111	108293.721	1.629	0.337	99.76457	0.30	ug/L
	Cd	114	242533.221	3.946	0.755	100.12923	4.57	mg/L
>	In	115	321062.899	1.766	321062.899			ug/L
	Sb	121	352684.897	0.766	1.098	103.55900	1.13	ug/L
	Ba	135	145593.535	2.334	0.386	171.29905	2.65	ug/L
>	Tb	159	376654.172	1.398	376654.172			ug/L
	Ho	165	338824.714	1.995	0.000			ug/L
	Tl	205	487005.810	3.173	1.293	106.21890	4.56	ug/L
	Pb	208	650671.360	2.241	1.727	105.75949	3.45	ug/L
	Bi	209	138322.176	1.703	0.031			ug/L
	Th	232	613367.549	2.287	1.629	101.52467	3.54	ug/L
	U	238	652285.261	2.478	1.732	110.12931	3.87	ug/L
	Na	23	26642578.889	1.971	131.275	11.42983	5.20	mg/L
	Mg	24	23747776.103	5.907	117.214	14.48443	9.14	mg/L
	K	39	50885081.889	4.997	246.869	10.07911	8.18	mg/L
	Ca	44	8206242.886	2.008	40.292	47.28180	2.73	mg/L
	Fe	54	4354683.864	4.597	21.353	9.64100	7.84	mg/L
>	Sc-1	45	202971.973	3.211	202971.973			mg/L
	Kr	83	171.336	6.429	64.001			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		90.724			
	Be	9			97.224		
	Al	27			81.776		
>	Sc	45		86.911			
	V	51			96.656		
	Cr	52			93.567		
	Mn	55			93.019		
	Co	59			92.067		
	Ni	60			93.592		
	Cu	65			91.285		
	Zn	66			97.431		
>	Ge	72		98.353			
	As	75			106.757		
	Se	82			112.268		
	Y	89					
	Mo	98			92.546		
	Ag	107			97.848		
	Cd	111			99.748		
	Cd	114					
>	In	115		91.460			
	Sb	121			103.318		
	Ba	135			102.984		
>	Tb	159		82.647			
	Ho	165					
	Tl	205			106.210		
	Pb	208			105.750		
	Bi	209					
	Th	232			101.505		
	U	238			109.696		
	Na	23			91.786		
	Mg	24			93.223		
	K	39			95.537		
	Ca	44			91.430		
	Fe	54			96.589		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011111-MSD1

Sample Date/Time: Monday, November 29, 2010 10:18:57
Sample Type: Spike - 3 of 3
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011111-MSD1.7438
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	22672.392	1.966	22672.392			ug/L
	Be	9	18286.066	3.463	0.806	96.90769	2.93	ug/L
	Al	27	23630412.560	5.189	122.186	8323.89857	5.66	ug/L
>	Sc	45	193445.906	4.071	193445.906			ug/L
	V	51	704461.052	1.594	3.636	95.71300	5.30	ug/L
	Cr	52	615025.326	3.373	3.147	99.09036	7.30	ug/L
	Mn	55	960876.579	3.622	4.965	109.63482	1.97	ug/L
	Co	59	737872.634	1.111	3.818	100.46068	4.05	ug/L
	Ni	60	149488.671	0.546	0.773	95.21833	3.59	ug/L
	Cu	65	150872.153	2.196	0.779	96.15514	6.09	ug/L
	Zn	66	101538.307	1.678	0.422	99.67035	3.69	ug/L
>	Ge	72	238797.576	2.000	238797.576			ug/L
	As	75	135361.166	6.508	0.567	108.65250	7.98	ug/L
	Se	82	65802.952	4.002	0.275	548.52463	5.81	ug/L
	Y	89	417713.587	0.479	-47268.895			ug/L
	Mo	98	337040.297	2.949	1.049	96.36291	2.16	ug/L
	Ag	107	439076.565	0.972	1.366	96.27937	2.74	ug/L
	Cd	111	109309.168	2.188	0.340	100.64416	2.43	ug/L
	Cd	114	243041.664	3.637	0.756	100.21959	1.81	mg/L
>	In	115	321304.760	2.227	321304.760			ug/L
	Sb	121	339459.299	1.758	1.057	99.64407	3.92	ug/L
	Ba	135	143741.640	1.247	0.387	171.34941	1.07	ug/L
>	Tb	159	371718.060	0.997	371718.060			ug/L
	Ho	165	335416.408	1.045	0.003			ug/L
	Tl	205	482262.808	2.153	1.297	106.55735	3.10	ug/L
	Pb	208	642308.999	0.846	1.727	105.75902	0.80	ug/L
	Bi	209	138091.353	2.217	0.036			ug/L
	Th	232	633299.099	0.329	1.704	106.19222	1.29	ug/L
	U	238	648019.538	1.805	1.743	110.84055	2.68	ug/L
	Na	23	24825061.879	4.800	128.286	11.16963	5.34	mg/L
	Mg	24	22336104.173	2.860	115.586	14.28320	5.23	mg/L
	K	39	50044121.867	4.180	254.528	10.39183	3.15	mg/L
	Ca	44	8260081.942	5.607	42.529	49.90733	2.35	mg/L
	Fe	54	4083404.057	1.818	20.984	9.47457	2.35	mg/L
>	Sc-1	45	193445.906	4.071	193445.906			mg/L
	Kr	83	166.669	10.822	59.335			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		87.999			
	Be	9			96.943		
	Al	27			83.205		
>	Sc	45		82.832			
	V	51			94.843		
	Cr	52			96.142		
	Mn	55			98.296		
	Co	59			100.491		
	Ni	60			96.261		
	Cu	65			96.949		
	Zn	66			97.862		
>	Ge	72		97.154			
	As	75			108.317		
	Se	82			109.527		
	Y	89					
	Mo	98			95.327		
	Ag	107			96.163		
	Cd	111			100.628		
	Cd	114					
>	In	115		91.529			
	Sb	121			99.403		
	Ba	135			103.035		
>	Tb	159		81.564			
	Ho	165					
	Tl	205			106.548		
	Pb	208			105.750		
	Bi	209					
	Th	232			106.173		
	U	238			110.407		
	Na	23			89.184		
	Mg	24			91.211		
	K	39			98.664		
	Ca	44			117.686		
	Fe	54			94.924		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-06 @5X

Sample Date/Time: Monday, November 29, 2010 10:21:45
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-06 @5X.7439
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23937.105	2.610	23937.105			ug/L
	Be	9	14.000	42.857	0.000	0.00178	1699.48	ug/L
	Al	27	19964.891	13.524	0.042	2.87871	29.95	ug/L
>	Sc	45	211931.749	2.213	211931.749			ug/L
	V	51	4746.633	0.406	0.012	0.30587	5.06	ug/L
	Cr	52	15412.989	2.374	0.035	1.08977	9.74	ug/L
	Mn	55	21960.826	4.041	0.100	2.21697	2.84	ug/L
	Co	59	450.769	33.696	0.002	0.04357	40.97	ug/L
	Ni	60	-145.999	36.809	-0.001	-0.11561	25.84	ug/L
	Cu	65	1971.114	8.344	0.007	0.83793	9.59	ug/L
	Zn	66	922.068	6.223	0.001	0.15406	35.75	ug/L
>	Ge	72	247292.117	0.531	247292.117			ug/L
	As	75	141.434	50.433	0.001	0.10565	52.10	ug/L
	Se	82	161.335	5.859	0.000	0.30001	23.87	ug/L
	Y	89	453600.987	2.920	-11381.495			ug/L
	Mo	98	3057.435	15.441	0.008	0.77451	16.92	ug/L
	Ag	107	1982.985	12.621	0.005	0.34973	13.29	ug/L
	Cd	111	225.827	12.327	0.000	0.01250	160.97	ug/L
	Cd	114	133.596	46.060	0.000	0.02223	105.70	mg/L
>	In	115	344160.293	2.359	344160.293			ug/L
	Sb	121	933.403	9.166	0.002	0.22181	8.06	ug/L
	Ba	135	12395.617	2.154	0.030	13.30351	3.23	ug/L
>	Tb	159	411300.196	1.221	411300.196			ug/L
	Ho	165	371730.894	0.400	0.004			ug/L
	Tl	205	270.673	24.107	0.000	0.02404	51.27	ug/L
	Pb	208	599.345	15.037	0.001	0.04472	27.93	ug/L
	Bi	209	145440.503	1.909	0.018			ug/L
	Th	232	2548.520	4.470	0.006	0.37037	3.44	ug/L
	U	238	792.051	10.691	0.002	0.11248	10.32	ug/L
	Na	23	1309655.405	2.750	6.046	0.52639	1.41	mg/L
	Mg	24	1793320.255	2.283	8.450	1.04418	3.30	mg/L
	K	39	1494641.990	4.560	2.815	0.11492	13.27	mg/L
	Ca	44	1515997.601	3.913	7.003	8.21727	6.20	mg/L
	Fe	54	27246.178	3.951	-0.009	-0.00413	44.93	mg/L
>	Sc-1	45	211931.749	2.213	211931.749			mg/L
	Kr	83	108.668	21.569	1.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		92.908			
	Be	9					
	Al	27					
>	Sc	45		90.748			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		100.610			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.040			
	Sb	121					
	Ba	135					
>	Tb	159		90.249			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-09 @5X

Sample Date/Time: Monday, November 29, 2010 10:24:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-09 @5X.7440
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24627.106	2.147	24627.106			ug/L
	Be	9	8.667	13.323	-0.000	-0.02604	25.45	ug/L
	Al	27	13453.818	4.551	0.010	0.67400	40.39	ug/L
>	Sc	45	217807.238	5.150	217807.238			ug/L
	V	51	4911.239	1.845	0.012	0.31055	9.39	ug/L
	Cr	52	16177.585	2.479	0.036	1.13947	7.19	ug/L
	Mn	55	248886.066	4.877	1.143	25.23064	8.88	ug/L
	Co	59	-261.074	7.855	-0.002	-0.04368	4.61	ug/L
	Ni	60	-345.086	13.152	-0.002	-0.22615	10.44	ug/L
	Cu	65	1021.639	15.445	0.002	0.27322	42.43	ug/L
	Zn	66	6598.822	5.562	0.024	5.62300	3.15	ug/L
>	Ge	72	245447.368	6.625	245447.368			ug/L
	As	75	156.421	16.147	0.001	0.11927	21.76	ug/L
	Se	82	134.001	5.970	0.000	0.08863	38.57	ug/L
	Y	89	446629.378	1.773	-18353.104			ug/L
	Mo	98	1642.819	4.508	0.004	0.39530	4.38	ug/L
	Ag	107	746.711	5.238	0.001	0.09670	7.61	ug/L
	Cd	111	247.234	5.688	0.000	0.03091	42.66	ug/L
	Cd	114	202.846	13.051	0.000	0.04891	20.39	mg/L
>	In	115	344693.872	0.652	344693.872			ug/L
	Sb	121	381.345	11.555	0.001	0.07063	16.56	ug/L
	Ba	135	11610.112	2.774	0.028	12.52728	2.41	ug/L
>	Tb	159	408904.611	1.603	408904.611			ug/L
	Ho	165	365855.071	1.175	-0.005			ug/L
	Tl	205	158.669	5.094	0.000	0.00194	59.92	ug/L
	Pb	208	352.004	0.568	0.000	0.00829	9.65	ug/L
	Bi	209	145339.858	0.700	0.020			ug/L
	Th	232	1430.831	3.776	0.003	0.20230	2.43	ug/L
	U	238	695.372	5.307	0.002	0.09821	4.05	ug/L
	Na	23	1610791.797	4.302	7.284	0.63421	9.16	mg/L
	Mg	24	2263224.839	4.427	10.405	1.28578	8.75	mg/L
	K	39	1764153.206	3.174	3.881	0.15846	16.86	mg/L
	Ca	44	1938275.775	6.633	8.744	10.26056	5.06	mg/L
	Fe	54	27669.408	7.493	-0.010	-0.00468	125.82	mg/L
>	Sc-1	45	217807.238	5.150	217807.238			mg/L
	Kr	83	115.334	11.013	8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		95.586			
	Be	9					
	Al	27					
>	Sc	45		93.264			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.859			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.192			
	Sb	121					
	Ba	135					
>	Tb	159		89.723			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, November 29, 2010 10:27:23
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7441
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	26387.593	1.256	26387.593			ug/L
	Be	9	10.667	21.651	-0.000	-0.01977	55.29	ug/L
	Al	27	21046.747	3.893	0.045	3.05355	6.25	ug/L
>	Sc	45	217400.772	1.227	217400.772			ug/L
	V	51	2693.371	8.320	0.002	0.04243	72.61	ug/L
	Cr	52	9586.017	3.208	0.006	0.18698	27.36	ug/L
	Mn	55	758.015	11.011	0.000	0.00613	131.09	ug/L
	Co	59	302.801	9.531	0.001	0.02451	13.44	ug/L
	Ni	60	90.127	6.192	0.000	0.01992	14.14	ug/L
	Cu	65	1232.186	7.031	0.003	0.38990	12.29	ug/L
	Zn	66	428.681	9.634	-0.001	-0.30312	15.52	ug/L
>	Ge	72	239856.647	5.913	239856.647			ug/L
	As	75	159.055	35.291	0.001	0.12205	33.14	ug/L
	Se	82	136.001	10.605	0.000	0.13083	86.12	ug/L
	Y	89	437604.418	1.518	-27378.064			ug/L
	Mo	98	554.774	11.172	0.001	0.10868	15.06	ug/L
	Ag	107	499.353	6.872	0.001	0.04851	13.83	ug/L
	Cd	111	198.706	11.170	-0.000	-0.00694	266.89	ug/L
	Cd	114	61.524	22.227	-0.000	-0.00485	113.53	mg/L
>	In	115	336843.000	0.554	336843.000			ug/L
	Sb	121	412.014	13.089	0.001	0.08165	18.24	ug/L
	Ba	135	104.001	8.383	0.000	0.05371	14.30	ug/L
>	Tb	159	411075.500	1.541	411075.500			ug/L
	Ho	165	374075.061	1.267	0.011			ug/L
	Tl	205	161.335	10.020	0.000	0.00232	141.98	ug/L
	Pb	208	284.669	12.496	-0.000	-0.00202	265.56	ug/L
	Bi	209	143619.594	2.873	0.014			ug/L
	Th	232	1110.766	6.858	0.002	0.15274	8.49	ug/L
	U	238	54.667	16.497	-0.000	-0.00142	89.49	ug/L
	Na	23	34116.508	24.791	0.023	0.00202	166.82	mg/L
	Mg	24	6634.752	49.138	0.016	0.00194	95.04	mg/L
	K	39	894959.973	1.404	-0.124	-0.00505	58.50	mg/L
	Ca	44	34864.331	2.041	0.003	0.00406	50.83	mg/L
	Fe	54	30221.874	7.148	0.001	0.00056	670.13	mg/L
>	Sc-1	45	217400.772	1.227	217400.772			mg/L
	Kr	83	95.334	13.650	-12.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		102.419			
	Be	9					
	Al	27					
>	Sc	45		93.090			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		97.585			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.955			
	Sb	121					
	Ba	135					
>	Tb	159		90.200			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Monday, November 29, 2010 10:30:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7442
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27553.938	0.350	27553.938			ug/L
	Be	9	11024.393	4.321	0.399	48.03451	3.99	ug/L
	Al	27	852385.973	5.794	3.767	256.61179	10.57	ug/L
>	Sc	45	223976.039	4.916	223976.039			ug/L
	V	51	413264.894	4.910	1.834	48.28750	0.51	ug/L
	Cr	52	361423.528	3.469	1.580	49.73630	8.24	ug/L
	Mn	55	516666.995	2.729	2.308	50.95440	5.95	ug/L
	Co	59	433794.660	5.881	1.937	50.96952	4.83	ug/L
	Ni	60	94806.830	0.809	0.424	52.17393	4.85	ug/L
	Cu	65	94086.559	1.729	0.418	51.67245	6.52	ug/L
	Zn	66	54293.356	5.975	0.212	49.94394	8.96	ug/L
>	Ge	72	253282.049	2.784	253282.049			ug/L
	As	75	63857.887	2.347	0.252	48.28577	0.53	ug/L
	Se	82	6409.286	2.444	0.025	49.43208	1.27	ug/L
	Y	89	467990.071	6.066	3007.589			ug/L
	Mo	98	191829.322	1.522	0.545	50.05275	1.70	ug/L
	Ag	107	247874.584	3.019	0.704	49.61841	5.82	ug/L
	Cd	111	60542.427	0.782	0.171	50.80783	3.06	ug/L
	Cd	114	131943.072	4.437	0.374	49.64013	1.87	mg/L
>	In	115	352031.174	2.999	352031.174			ug/L
	Sb	121	188215.624	1.333	0.535	50.42121	4.14	ug/L
	Ba	135	49956.273	2.523	0.115	50.96765	2.20	ug/L
>	Tb	159	434011.504	2.241	434011.504			ug/L
	Ho	165	386762.841	0.819	-0.008			ug/L
	Tl	205	265770.362	1.912	0.612	50.27114	0.41	ug/L
	Pb	208	351871.571	1.131	0.810	49.61893	3.13	ug/L
	Bi	209	148155.540	2.611	0.006			ug/L
	Th	232	348928.992	1.094	0.804	50.10758	1.29	ug/L
	U	238	348576.605	2.952	0.803	51.07567	4.30	ug/L
	Na	23	13207421.607	6.756	58.801	5.11969	1.96	mg/L
	Mg	24	9351305.072	3.417	41.823	5.16812	7.07	mg/L
	K	39	29590591.893	2.307	128.101	5.23008	5.88	mg/L
	Ca	44	1054677.558	5.912	4.551	5.34071	2.58	mg/L
	Fe	54	2581766.828	4.291	11.418	5.15523	8.26	mg/L
>	Sc-1	45	223976.039	4.916	223976.039			mg/L
	Kr	83	114.668	7.049	7.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		106.946			
	Be	9	96.069				
	Al	27	102.645				
>	Sc	45		95.905			
	V	51	96.575				
	Cr	52	99.473				
	Mn	55	101.909				
	Co	59	101.939				
	Ni	60	104.348				
	Cu	65	103.345				
	Zn	66	99.888				
>	Ge	72		103.047			
	As	75	96.572				
	Se	82	98.864				
	Y	89					
	Mo	98	100.106				
	Ag	107	99.237				
	Cd	111	101.616				
	Cd	114					
>	In	115		100.282			
	Sb	121	100.842				
	Ba	135	101.935				
>	Tb	159		95.232			
	Ho	165					
	Tl	205	100.542				
	Pb	208	99.238				
	Bi	209					
	Th	232	100.215				
	U	238	102.151				
	Na	23	102.394				
	Mg	24	103.362				
	K	39	104.602				
	Ca	44	106.814				
	Fe	54	103.105				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Monday, November 29, 2010 10:33:11
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7443
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27099.995	3.030	27099.995			ug/L
	Be	9	14.000	14.286	-0.000	-0.00635	131.13	ug/L
	Al	27	12411.665	4.925	0.004	0.25018	41.96	ug/L
>	Sc	45	223036.586	3.670	223036.586			ug/L
	V	51	2599.693	11.966	0.001	0.02241	126.57	ug/L
	Cr	52	8664.006	3.510	0.001	0.02157	19.85	ug/L
	Mn	55	781.717	5.885	0.000	0.00672	104.08	ug/L
	Co	59	309.541	6.814	0.001	0.02448	15.58	ug/L
	Ni	60	110.868	2.449	0.000	0.03012	5.53	ug/L
	Cu	65	1368.917	3.656	0.004	0.44819	5.18	ug/L
	Zn	66	719.375	4.984	-0.000	-0.02359	23.33	ug/L
>	Ge	72	241733.533	5.019	241733.533			ug/L
	As	75	109.476	32.197	0.000	0.08386	38.52	ug/L
	Se	82	129.335	17.789	0.000	0.06954	292.74	ug/L
	Y	89	455507.749	1.545	-9474.734			ug/L
	Mo	98	632.051	18.701	0.001	0.12044	24.78	ug/L
	Ag	107	836.723	3.945	0.002	0.10981	10.74	ug/L
	Cd	111	219.159	6.235	0.000	0.00050	1167.52	ug/L
	Cd	114	85.858	32.106	0.000	0.00267	352.23	mg/L
>	In	115	356274.105	3.279	356274.105			ug/L
	Sb	121	401.346	3.004	0.001	0.07263	6.16	ug/L
	Ba	135	58.667	3.936	0.000	0.00119	235.49	ug/L
>	Tb	159	436813.932	0.950	436813.932			ug/L
	Ho	165	387424.612	0.771	-0.013			ug/L
	Tl	205	192.670	13.706	0.000	0.00628	73.78	ug/L
	Pb	208	441.340	8.111	0.000	0.01741	25.54	ug/L
	Bi	209	147591.412	1.943	0.002			ug/L
	Th	232	978.077	8.239	0.002	0.12376	8.54	ug/L
	U	238	116.001	48.060	0.000	0.00700	114.01	ug/L
	Na	23	33058.646	4.421	0.015	0.00128	77.62	mg/L
	Mg	24	4988.029	17.277	0.008	0.00095	62.19	mg/L
	K	39	982482.034	0.740	0.168	0.00685	84.35	mg/L
	Ca	44	34018.332	0.739	-0.004	-0.00499	116.33	mg/L
	Fe	54	28573.150	4.385	-0.009	-0.00427	83.51	mg/L
>	Sc-1	45	223036.586	3.670	223036.586			mg/L
	Kr	83	114.668	16.486	7.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		105.184			
	Be	9					
	Al	27					
>	Sc	45		95.503			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.348			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		101.491			
	Sb	121					
	Ba	135					
>	Tb	159		95.847			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-12 @5X

Sample Date/Time: Monday, November 29, 2010 10:36:14
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-12 @5X.7444
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25755.683	4.020	25755.683			ug/L
	Be	9	4.000	50.000	-0.000	-0.04975	18.39	ug/L
	Al	27	15530.639	5.111	0.019	1.27563	39.55	ug/L
>	Sc	45	220601.595	6.126	220601.595			ug/L
	V	51	4825.377	3.200	0.011	0.29399	17.74	ug/L
	Cr	52	15610.827	4.158	0.033	1.03476	20.34	ug/L
	Mn	55	447647.904	5.906	2.026	44.74243	1.45	ug/L
	Co	59	-91.300	136.270	-0.001	-0.02358	66.92	ug/L
	Ni	60	-436.699	10.969	-0.002	-0.27656	14.94	ug/L
	Cu	65	284.691	16.878	-0.001	-0.15041	18.04	ug/L
	Zn	66	34291.912	3.901	0.133	31.44880	3.74	ug/L
>	Ge	72	251583.595	2.870	251583.595			ug/L
	As	75	146.905	7.308	0.001	0.10806	7.07	ug/L
	Se	82	140.002	5.714	0.000	0.11064	83.77	ug/L
	Y	89	442611.378	2.968	-22371.105			ug/L
	Mo	98	1450.479	2.057	0.004	0.34946	4.17	ug/L
	Ag	107	366.678	10.928	0.000	0.02005	42.22	ug/L
	Cd	111	376.860	10.006	0.000	0.14720	27.02	ug/L
	Cd	114	443.620	10.887	0.001	0.14381	12.89	mg/L
>	In	115	340128.185	2.355	340128.185			ug/L
	Sb	121	228.671	3.535	0.000	0.02976	9.99	ug/L
	Ba	135	11059.112	2.065	0.027	11.90391	1.55	ug/L
>	Tb	159	409780.981	1.156	409780.981			ug/L
	Ho	165	364688.913	1.031	-0.010			ug/L
	Tl	205	150.669	27.248	0.000	0.00023	3484.92	ug/L
	Pb	208	244.668	0.944	-0.000	-0.00787	5.19	ug/L
	Bi	209	143953.141	1.418	0.015			ug/L
	Th	232	795.384	7.546	0.002	0.10522	8.79	ug/L
	U	238	849.392	10.976	0.002	0.12202	12.83	ug/L
	Na	23	1842429.406	6.167	8.230	0.71658	6.75	mg/L
	Mg	24	2614215.868	12.203	11.904	1.47095	16.37	mg/L
	K	39	1857392.769	3.079	4.209	0.17183	17.74	mg/L
	Ca	44	2315891.981	5.801	10.343	12.13760	1.38	mg/L
	Fe	54	27998.096	6.430	-0.011	-0.00478	89.21	mg/L
>	Sc-1	45	220601.595	6.126	220601.595			mg/L
	Kr	83	129.335	23.973	22.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.966			
	Be	9					
	Al	27					
>	Sc	45		94.460			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		102.356			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.891			
	Sb	121					
	Ba	135					
>	Tb	159		89.915			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-15 @5X

Sample Date/Time: Monday, November 29, 2010 10:39:03
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-15 @5X.7445
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23130.729	1.378	23130.729			ug/L
	Be	9	11.333	88.822	-0.000	-0.00955	543.36	ug/L
	Al	27	13373.698	8.687	0.012	0.83431	65.68	ug/L
>	Sc	45	208913.673	3.960	208913.673			ug/L
	V	51	5036.925	1.848	0.013	0.35140	7.85	ug/L
	Cr	52	15838.717	2.258	0.038	1.18836	10.24	ug/L
	Mn	55	683733.949	3.526	3.273	72.27532	5.40	ug/L
	Co	59	-188.367	89.491	-0.001	-0.03641	61.81	ug/L
	Ni	60	-451.762	35.492	-0.002	-0.29914	33.67	ug/L
	Cu	65	122.130	47.589	-0.002	-0.23860	13.53	ug/L
	Zn	66	74694.641	3.109	0.312	73.65121	1.38	ug/L
>	Ge	72	237073.354	4.091	237073.354			ug/L
	As	75	208.300	32.864	0.001	0.16588	37.00	ug/L
	Se	82	152.002	13.674	0.000	0.28236	76.40	ug/L
	Y	89	408992.236	1.059	-55990.246			ug/L
	Mo	98	1970.914	4.926	0.006	0.50981	6.90	ug/L
	Ag	107	246.005	9.376	-0.000	-0.00312	145.68	ug/L
	Cd	111	616.061	7.141	0.001	0.37485	10.70	ug/L
	Cd	114	962.817	3.189	0.003	0.36031	6.65	mg/L
>	In	115	328198.644	3.662	328198.644			ug/L
	Sb	121	202.670	5.612	0.000	0.02454	5.18	ug/L
	Ba	135	10685.862	10.560	0.028	12.38690	9.08	ug/L
>	Tb	159	380257.660	1.457	380257.660			ug/L
	Ho	165	342167.771	0.789	0.000			ug/L
	Tl	205	115.334	7.008	-0.000	-0.00501	32.03	ug/L
	Pb	208	210.668	11.004	-0.000	-0.01050	35.54	ug/L
	Bi	209	139514.999	1.908	0.031			ug/L
	Th	232	801.385	10.335	0.002	0.11563	12.18	ug/L
	U	238	1196.115	5.587	0.003	0.19017	6.34	ug/L
	Na	23	2044622.629	0.772	9.664	0.84139	4.17	mg/L
	Mg	24	2829490.485	4.667	13.542	1.67338	5.77	mg/L
	K	39	1892655.343	3.200	4.825	0.19699	7.03	mg/L
	Ca	44	2748038.937	0.891	13.014	15.27174	4.97	mg/L
	Fe	54	24848.028	1.529	-0.019	-0.00840	35.62	mg/L
>	Sc-1	45	208913.673	3.960	208913.673			mg/L
	Kr	83	119.334	10.905	12.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.778			
	Be	9					
	Al	27					
>	Sc	45		89.456			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		96.452			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.493			
	Sb	121					
	Ba	135					
>	Tb	159		83.437			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-18 @5X

Sample Date/Time: Monday, November 29, 2010 10:41:50
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-18 @5X.7446
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25164.586	2.859	25164.586			ug/L
	Be	9	10.000	72.111	-0.000	-0.02076	162.50	ug/L
	Al	27	13852.018	4.189	0.014	0.92099	33.09	ug/L
>	Sc	45	211770.223	2.649	211770.223			ug/L
	V	51	4892.581	5.936	0.012	0.32515	16.05	ug/L
	Cr	52	15476.509	5.456	0.035	1.10230	16.10	ug/L
	Mn	55	431066.507	3.376	2.032	44.87368	1.76	ug/L
	Co	59	-108.019	87.706	-0.001	-0.02547	45.14	ug/L
	Ni	60	12898.098	4.294	0.061	7.47757	6.89	ug/L
	Cu	65	1051.835	14.266	0.002	0.30471	33.02	ug/L
	Zn	66	33511.730	4.632	0.133	31.42656	6.71	ug/L
>	Ge	72	246189.713	2.051	246189.713			ug/L
	As	75	53.288	112.491	0.000	0.03708	122.48	ug/L
	Se	82	108.668	18.436	-0.000	-0.12117	128.67	ug/L
	Y	89	436510.055	2.512	-28472.427			ug/L
	Mo	98	1372.836	6.199	0.004	0.33721	9.09	ug/L
	Ag	107	184.003	6.052	-0.000	-0.01697	8.63	ug/L
	Cd	111	318.829	4.910	0.000	0.10264	17.03	ug/L
	Cd	114	447.030	8.303	0.001	0.14898	7.40	mg/L
>	In	115	332522.451	2.689	332522.451			ug/L
	Sb	121	160.002	5.728	0.000	0.01177	31.78	ug/L
	Ba	135	10484.120	0.599	0.027	11.75163	1.57	ug/L
>	Tb	159	393542.578	1.344	393542.578			ug/L
	Ho	165	351071.931	1.393	-0.008			ug/L
	Tl	205	120.001	5.774	-0.000	-0.00488	22.94	ug/L
	Pb	208	304.003	26.829	0.000	0.00284	437.74	ug/L
	Bi	209	143933.089	3.468	0.030			ug/L
	Th	232	668.703	10.640	0.001	0.09007	11.25	ug/L
	U	238	848.058	1.634	0.002	0.12717	2.86	ug/L
	Na	23	1637724.362	4.446	7.598	0.66156	2.69	mg/L
	Mg	24	2427337.054	4.718	11.443	1.41405	2.07	mg/L
	K	39	1870072.949	2.939	4.597	0.18769	9.81	mg/L
	Ca	44	2171970.061	6.148	10.095	11.84567	4.05	mg/L
	Fe	54	27908.917	8.469	-0.006	-0.00270	156.77	mg/L
>	Sc-1	45	211770.223	2.649	211770.223			mg/L
	Kr	83	116.001	10.767	8.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		97.672			
	Be	9					
	Al	27					
>	Sc	45		90.679			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		100.161			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.725			
	Sb	121					
	Ba	135					
>	Tb	159		86.352			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-21 @5X

Sample Date/Time: Monday, November 29, 2010 10:44:38
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-21 @5X.7447
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	26008.060	4.059	26008.060			ug/L
	Be	9	6.667	69.282	-0.000	-0.03708	61.87	ug/L
	Al	27	12506.502	1.401	0.009	0.62853	33.38	ug/L
>	Sc	45	204634.026	3.946	204634.026			ug/L
	V	51	5503.223	4.332	0.016	0.42495	11.18	ug/L
	Cr	52	17489.158	5.844	0.047	1.49502	16.42	ug/L
	Mn	55	58033.858	6.447	0.280	6.18886	3.76	ug/L
	Co	59	441.939	41.464	0.002	0.04471	53.60	ug/L
	Ni	60	-508.948	31.597	-0.003	-0.33646	27.23	ug/L
	Cu	65	44.538	192.918	-0.002	-0.28185	18.35	ug/L
	Zn	66	3430.941	0.421	0.011	2.64963	4.13	ug/L
>	Ge	72	240057.104	3.608	240057.104			ug/L
	As	75	200.745	53.772	0.001	0.15441	52.94	ug/L
	Se	82	139.335	10.963	0.000	0.15585	68.48	ug/L
	Y	89	438687.662	2.054	-26294.820			ug/L
	Mo	98	895.781	3.016	0.002	0.20567	4.97	ug/L
	Ag	107	183.336	4.919	-0.000	-0.01700	6.95	ug/L
	Cd	111	180.344	8.052	-0.000	-0.02064	50.27	ug/L
	Cd	114	48.704	16.553	-0.000	-0.00956	37.85	mg/L
>	In	115	331667.282	2.223	331667.282			ug/L
	Sb	121	211.337	3.583	0.000	0.02640	3.07	ug/L
	Ba	135	9451.148	3.841	0.024	10.48572	3.99	ug/L
>	Tb	159	397341.198	1.275	397341.198			ug/L
	Ho	165	352278.882	1.265	-0.013			ug/L
	Tl	205	129.335	39.315	-0.000	-0.00327	308.94	ug/L
	Pb	208	323.337	7.143	0.000	0.00542	72.42	ug/L
	Bi	209	143696.322	3.366	0.026			ug/L
	Th	232	633.366	10.627	0.001	0.08367	13.83	ug/L
	U	238	994.746	6.206	0.002	0.14927	5.92	ug/L
	Na	23	1196718.032	3.221	5.725	0.49847	7.13	mg/L
	Mg	24	2320132.418	3.192	11.333	1.40040	4.48	mg/L
	K	39	1723824.638	1.902	4.195	0.17129	11.25	mg/L
	Ca	44	2322678.290	7.947	11.189	13.12980	6.00	mg/L
	Fe	54	32684.000	9.239	0.022	0.01000	72.19	mg/L
>	Sc-1	45	204634.026	3.946	204634.026			mg/L
	Kr	83	120.001	17.401	12.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		100.946			
	Be	9					
	Al	27					
>	Sc	45		87.623			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		97.666			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.481			
	Sb	121					
	Ba	135					
>	Tb	159		87.186			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-24 @5X

Sample Date/Time: Monday, November 29, 2010 10:47:26
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-24 @5X.7448
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25225.514	3.603	25225.514			ug/L
	Be	9	8.667	58.076	-0.000	-0.02697	88.82	ug/L
	Al	27	10287.145	5.783	-0.004	-0.23893	87.97	ug/L
>	Sc	45	212338.763	1.698	212338.763			ug/L
	V	51	4850.935	6.114	0.012	0.31714	8.39	ug/L
	Cr	52	16505.812	5.578	0.040	1.24486	7.90	ug/L
	Mn	55	4770349.603	6.551	22.458	495.88832	5.77	ug/L
	Co	59	1090.709	17.977	0.005	0.12315	20.44	ug/L
	Ni	60	-657.131	25.817	-0.003	-0.41172	23.08	ug/L
	Cu	65	-175.236	38.948	-0.003	-0.41175	9.54	ug/L
	Zn	66	1514.184	6.790	0.003	0.73305	12.17	ug/L
>	Ge	72	245147.261	5.738	245147.261			ug/L
	As	75	577.853	22.481	0.002	0.44830	22.19	ug/L
	Se	82	114.668	14.098	-0.000	-0.06352	255.63	ug/L
	Y	89	434859.344	1.623	-30123.138			ug/L
	Mo	98	2215.444	5.098	0.006	0.58426	8.89	ug/L
	Ag	107	164.002	12.195	-0.000	-0.02044	19.52	ug/L
	Cd	111	186.980	14.641	-0.000	-0.01097	253.29	ug/L
	Cd	114	75.472	25.232	0.000	0.00182	462.49	mg/L
>	In	115	325350.934	3.207	325350.934			ug/L
	Sb	121	204.670	6.358	0.000	0.02573	19.76	ug/L
	Ba	135	8094.572	0.781	0.021	9.30868	0.56	ug/L
>	Tb	159	383057.436	1.273	383057.436			ug/L
	Ho	165	345493.477	0.814	0.002			ug/L
	Tl	205	96.001	15.729	-0.000	-0.00934	33.76	ug/L
	Pb	208	939.361	4.287	0.002	0.10579	7.82	ug/L
	Bi	209	141019.363	2.897	0.032			ug/L
	Th	232	692.705	13.208	0.002	0.09701	15.93	ug/L
	U	238	680.704	11.004	0.002	0.10321	13.10	ug/L
	Na	23	1384083.390	1.874	6.385	0.55589	1.00	mg/L
	Mg	24	2152242.125	6.870	10.119	1.25043	6.26	mg/L
	K	39	1829606.573	3.106	4.375	0.17861	3.31	mg/L
	Ca	44	2444756.620	7.771	11.349	13.31756	6.14	mg/L
	Fe	54	487863.193	8.735	2.159	0.97489	8.52	mg/L
>	Sc-1	45	212338.763	1.698	212338.763			mg/L
	Kr	83	108.668	13.936	1.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		97.909			
	Be	9					
	Al	27					
>	Sc	45		90.922			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.737			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.682			
	Sb	121					
	Ba	135					
>	Tb	159		84.052			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-27 @5X

Sample Date/Time: Monday, November 29, 2010 10:50:13
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-27 @5X.7449
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25272.342	2.183	25272.342			ug/L
	Be	9	8.000	25.000	-0.000	-0.03046	29.26	ug/L
	Al	27	9489.204	3.408	-0.007	-0.49090	39.27	ug/L
>	Sc	45	212233.832	2.861	212233.832			ug/L
	V	51	4780.980	4.400	0.012	0.30947	10.73	ug/L
	Cr	52	15554.710	5.883	0.035	1.10932	17.46	ug/L
	Mn	55	13357.675	7.895	0.060	1.31896	7.71	ug/L
	Co	59	4389.799	7.174	0.020	0.53202	6.22	ug/L
	Ni	60	788.216	23.043	0.003	0.42784	26.73	ug/L
	Cu	65	173.987	42.284	-0.002	-0.20819	21.24	ug/L
	Zn	66	25363.460	5.401	0.102	24.05880	5.59	ug/L
>	Ge	72	241566.872	2.827	241566.872			ug/L
	As	75	508.420	3.897	0.002	0.39962	5.61	ug/L
	Se	82	140.668	13.662	0.000	0.16371	113.47	ug/L
	Y	89	422687.900	1.009	-42294.582			ug/L
	Mo	98	6072.666	0.714	0.018	1.67029	1.00	ug/L
	Ag	107	124.001	1.613	-0.000	-0.02912	1.73	ug/L
	Cd	111	265.295	6.488	0.000	0.05962	26.77	ug/L
	Cd	114	252.017	20.088	0.001	0.07342	27.75	mg/L
>	In	115	325815.856	0.272	325815.856			ug/L
	Sb	121	2189.050	2.144	0.006	0.59986	2.30	ug/L
	Ba	135	7826.901	3.288	0.020	8.83433	2.57	ug/L
>	Tb	159	390083.365	0.863	390083.365			ug/L
	Ho	165	346047.258	2.165	-0.012			ug/L
	Tl	205	138.668	0.833	-0.000	-0.00072	52.56	ug/L
	Pb	208	7015.539	2.596	0.017	1.05665	1.80	ug/L
	Bi	209	141110.557	0.547	0.026			ug/L
	Th	232	585.361	11.231	0.001	0.07771	12.45	ug/L
	U	238	2342.439	2.769	0.006	0.37187	2.03	ug/L
	Na	23	1161896.245	5.151	5.339	0.46488	3.20	mg/L
	Mg	24	2072041.603	3.627	9.749	1.20468	2.54	mg/L
	K	39	1653388.438	3.884	3.553	0.14507	9.77	mg/L
	Ca	44	2100008.295	5.420	9.734	11.42311	3.31	mg/L
	Fe	54	27684.220	5.831	-0.007	-0.00324	128.19	mg/L
>	Sc-1	45	212233.832	2.861	212233.832			mg/L
	Kr	83	113.334	15.009	6.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.090			
	Be	9					
	Al	27					
>	Sc	45		90.877			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.280			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.814			
	Sb	121					
	Ba	135					
>	Tb	159		85.593			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-30 @5X

Sample Date/Time: Monday, November 29, 2010 10:53:01
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-30 @5X.7450
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23680.788	1.851	23680.788			ug/L
	Be	9	7.333	56.773	-0.000	-0.03144	64.63	ug/L
	Al	27	9341.663	6.524	-0.001	-0.03963	465.84	ug/L
>	Sc	45	181702.368	1.300	181702.368			ug/L
	V	51	4588.714	7.749	0.014	0.38114	14.73	ug/L
	Cr	52	14240.902	5.200	0.040	1.26616	10.00	ug/L
	Mn	55	1735097.581	2.427	9.547	210.81566	2.96	ug/L
	Co	59	-962.949	11.819	-0.006	-0.15146	9.79	ug/L
	Ni	60	-1501.188	14.284	-0.009	-1.04884	14.10	ug/L
	Cu	65	-1238.136	4.965	-0.009	-1.15111	2.70	ug/L
	Zn	66	1635.547	3.306	0.004	0.97489	8.54	ug/L
>	Ge	72	227126.332	3.433	227126.332			ug/L
	As	75	837.207	5.004	0.004	0.70242	5.03	ug/L
	Se	82	114.668	21.528	0.000	0.00851	2747.88	ug/L
	Y	89	401206.582	2.179	-63775.900			ug/L
	Mo	98	7839.310	2.508	0.025	2.32189	2.88	ug/L
	Ag	107	122.001	1.639	-0.000	-0.02773	1.69	ug/L
	Cd	111	179.763	6.145	-0.000	-0.00683	165.62	ug/L
	Cd	114	71.503	58.831	0.000	0.00199	917.71	mg/L
>	In	115	304708.288	0.317	304708.288			ug/L
	Sb	121	134.668	8.180	0.000	0.00800	41.04	ug/L
	Ba	135	3771.807	5.423	0.010	4.64857	5.62	ug/L
>	Tb	159	355240.987	1.614	355240.987			ug/L
	Ho	165	320970.843	0.339	0.004			ug/L
	Tl	205	120.668	5.821	-0.000	-0.00200	97.05	ug/L
	Pb	208	292.003	7.719	0.000	0.00588	54.71	ug/L
	Bi	209	138134.616	1.192	0.053			ug/L
	Th	232	760.713	2.125	0.002	0.11776	4.24	ug/L
	U	238	2041.000	3.281	0.006	0.35560	5.01	ug/L
	Na	23	3395890.141	7.730	18.557	1.61571	7.76	mg/L
	Mg	24	4865745.170	11.509	26.753	3.30597	10.86	mg/L
	K	39	2126417.909	4.308	7.461	0.30462	5.92	mg/L
	Ca	44	6340970.867	3.066	34.735	40.76116	1.82	mg/L
	Fe	54	201347.985	9.528	0.971	0.43832	11.32	mg/L
>	Sc-1	45	181702.368	1.300	181702.368			mg/L
	Kr	83	108.001	19.245	0.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		91.913			
	Be	9					
	Al	27					
>	Sc	45		77.804			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		92.405			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.801			
	Sb	121					
	Ba	135					
>	Tb	159		77.948			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-33 @5X

Sample Date/Time: Monday, November 29, 2010 10:55:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-33 @5X.7451
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23484.046	1.760	23484.046			ug/L
	Be	9	9.333	12.372	-0.000	-0.02058	32.39	ug/L
	Al	27	10146.253	6.669	0.004	0.23863	162.35	ug/L
>	Sc	45	183405.713	4.588	183405.713			ug/L
	V	51	3521.252	5.828	0.008	0.22181	13.53	ug/L
	Cr	52	11444.471	2.057	0.024	0.76563	12.14	ug/L
	Mn	55	292901.575	3.633	1.595	35.22744	4.73	ug/L
	Co	59	-1838.235	8.990	-0.011	-0.27649	11.01	ug/L
	Ni	60	-1845.571	10.221	-0.010	-1.26990	8.72	ug/L
	Cu	65	-1291.303	3.298	-0.010	-1.18094	4.89	ug/L
	Zn	66	104132.771	2.815	0.451	106.50655	3.07	ug/L
>	Ge	72	229239.490	2.610	229239.490			ug/L
	As	75	160.884	59.737	0.001	0.12935	60.45	ug/L
	Se	82	161.335	12.541	0.000	0.40015	35.57	ug/L
	Y	89	393934.016	1.290	-71048.467			ug/L
	Mo	98	5927.642	1.034	0.019	1.76157	3.41	ug/L
	Ag	107	124.001	12.597	-0.000	-0.02703	12.59	ug/L
	Cd	111	770.682	2.562	0.002	0.57470	5.66	ug/L
	Cd	114	1408.249	7.303	0.004	0.58862	6.59	mg/L
>	In	115	302138.918	3.149	302138.918			ug/L
	Sb	121	206.670	9.694	0.000	0.03100	26.22	ug/L
	Ba	135	3092.099	3.593	0.009	3.79580	4.35	ug/L
>	Tb	159	355700.133	1.301	355700.133			ug/L
	Ho	165	319517.613	2.514	-0.001			ug/L
	Tl	205	111.334	5.775	-0.000	-0.00420	37.92	ug/L
	Pb	208	336.671	9.324	0.000	0.01352	38.87	ug/L
	Bi	209	140154.799	2.728	0.058			ug/L
	Th	232	724.042	10.660	0.002	0.11101	10.72	ug/L
	U	238	4115.355	1.727	0.011	0.72583	2.59	ug/L
	Na	23	3647021.878	2.103	19.771	1.72142	3.70	mg/L
	Mg	24	5304265.389	6.530	28.901	3.57137	4.12	mg/L
	K	39	1917825.640	3.622	6.241	0.25480	13.21	mg/L
	Ca	44	6764004.207	2.896	36.742	43.11592	1.74	mg/L
	Fe	54	30785.694	5.730	0.030	0.01360	15.27	mg/L
>	Sc-1	45	183405.713	4.588	183405.713			mg/L
	Kr	83	120.668	10.656	13.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		91.149			
	Be	9					
	Al	27					
>	Sc	45		78.533			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		93.265			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.069			
	Sb	121					
	Ba	135					
>	Tb	159		78.049			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-36 @5X

Sample Date/Time: Monday, November 29, 2010 10:58:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-36 @5X.7452
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	28647.589	4.400	28647.589			ug/L
	Be	9	12.000	44.096	-0.000	-0.01747	137.08	ug/L
	Al	27	11268.826	3.783	-0.002	-0.12290	118.83	ug/L
>	Sc	45	224662.673	0.623	224662.673			ug/L
	V	51	5262.685	5.302	0.013	0.33276	10.32	ug/L
	Cr	52	17398.212	4.276	0.039	1.23706	9.39	ug/L
	Mn	55	11882.044	7.169	0.050	1.09675	7.08	ug/L
	Co	59	456.067	22.133	0.002	0.04132	29.08	ug/L
	Ni	60	-576.843	29.672	-0.003	-0.34717	26.85	ug/L
	Cu	65	-139.093	58.797	-0.003	-0.38624	11.49	ug/L
	Zn	66	1773.586	6.237	0.004	0.92000	10.56	ug/L
>	Ge	72	254271.229	0.335	254271.229			ug/L
	As	75	164.108	17.453	0.001	0.11980	17.82	ug/L
	Se	82	141.335	12.840	0.000	0.10744	128.86	ug/L
	Y	89	448481.583	1.676	-16500.899			ug/L
	Mo	98	794.133	2.319	0.002	0.18142	3.48	ug/L
	Ag	107	135.335	6.826	-0.000	-0.02666	7.53	ug/L
	Cd	111	201.358	7.359	0.000	0.00145	856.49	ug/L
	Cd	114	60.093	69.174	-0.000	-0.00468	357.81	mg/L
>	In	115	325742.377	0.554	325742.377			ug/L
	Sb	121	164.002	15.281	0.000	0.01384	54.31	ug/L
	Ba	135	9797.681	3.818	0.025	11.09855	4.07	ug/L
>	Tb	159	389278.979	0.300	389278.979			ug/L
	Ho	165	354790.696	0.913	0.012			ug/L
	Tl	205	96.001	9.081	-0.000	-0.00967	18.40	ug/L
	Pb	208	326.672	35.539	0.000	0.00698	263.37	ug/L
	Bi	209	146906.223	3.141	0.042			ug/L
	Th	232	499.353	10.230	0.001	0.06417	12.45	ug/L
	U	238	850.725	4.710	0.002	0.12908	5.17	ug/L
	Na	23	1337893.020	5.831	5.821	0.50680	5.67	mg/L
	Mg	24	2568727.274	3.751	11.420	1.41116	3.99	mg/L
	K	39	1765453.703	2.304	3.618	0.14772	5.90	mg/L
	Ca	44	2330964.308	7.543	10.217	11.98883	7.22	mg/L
	Fe	54	28279.932	8.155	-0.012	-0.00535	86.20	mg/L
>	Sc-1	45	224662.673	0.623	224662.673			mg/L
	Kr	83	120.001	11.667	12.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		111.191			
	Be	9					
	Al	27					
>	Sc	45		96.199			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.449			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.793			
	Sb	121					
	Ba	135					
>	Tb	159		85.417			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, November 29, 2010 11:01:25
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7453
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	28671.692	4.222	28671.692			ug/L
	Be	9	11.333	20.377	-0.000	-0.02107	38.22	ug/L
	Al	27	13318.851	2.936	0.005	0.35418	82.25	ug/L
>	Sc	45	233550.103	5.098	233550.103			ug/L
	V	51	2629.450	3.733	0.001	0.01326	187.88	ug/L
	Cr	52	9762.286	1.242	0.004	0.11649	51.43	ug/L
	Mn	55	810.360	40.612	0.000	0.00592	526.39	ug/L
	Co	59	145.795	5.478	0.000	0.00430	13.24	ug/L
	Ni	60	41.793	16.288	-0.000	-0.00916	28.48	ug/L
	Cu	65	350.907	3.725	-0.001	-0.12422	6.66	ug/L
	Zn	66	404.680	11.616	-0.001	-0.34988	11.75	ug/L
>	Ge	72	253843.170	0.775	253843.170			ug/L
	As	75	16.645	407.023	0.000	0.00855	597.62	ug/L
	Se	82	100.667	11.641	-0.000	-0.20997	41.67	ug/L
	Y	89	461018.093	4.568	-3964.390			ug/L
	Mo	98	81.863	13.326	-0.000	-0.02020	15.85	ug/L
	Ag	107	138.002	15.131	-0.000	-0.02698	15.10	ug/L
	Cd	111	187.478	5.298	-0.000	-0.01608	47.66	ug/L
	Cd	114	53.709	62.070	-0.000	-0.00778	170.40	mg/L
>	In	115	335433.579	1.208	335433.579			ug/L
	Sb	121	38.000	0.000	-0.000	-0.02298	0.56	ug/L
	Ba	135	26.000	88.712	-0.000	-0.02928	89.26	ug/L
>	Tb	159	398925.519	1.282	398925.519			ug/L
	Ho	165	357175.063	1.030	-0.004			ug/L
	Tl	205	114.668	13.990	-0.000	-0.00631	50.87	ug/L
	Pb	208	198.668	12.178	-0.000	-0.01394	25.76	ug/L
	Bi	209	142951.831	1.249	0.023			ug/L
	Th	232	516.021	3.312	0.001	0.06486	4.01	ug/L
	U	238	30.000	58.119	-0.000	-0.00505	56.52	ug/L
	Na	23	11244.776	2.010	-0.085	-0.00744	4.01	mg/L
	Mg	24	2842.657	15.423	-0.003	-0.00032	91.11	mg/L
	K	39	954561.829	2.137	-0.148	-0.00603	127.66	mg/L
	Ca	44	31422.124	0.222	-0.022	-0.02595	32.51	mg/L
	Fe	54	31659.934	4.396	-0.002	-0.00082	619.89	mg/L
>	Sc-1	45	233550.103	5.098	233550.103			mg/L
	Kr	83	126.001	20.817	18.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		111.284			
	Be	9					
	Al	27					
>	Sc	45		100.005			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.275			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.554			
	Sb	121					
	Ba	135					
>	Tb	159		87.534			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Monday, November 29, 2010 11:04:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7454
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	31167.694	5.805	31167.694			ug/L
	Be	9	12517.859	1.748	0.402	48.30366	4.50	ug/L
	Al	27	1047559.542	2.722	3.981	271.17159	3.09	ug/L
>	Sc	45	259801.259	0.629	259801.259			ug/L
	V	51	470884.396	0.719	1.802	47.42730	0.22	ug/L
	Cr	52	405083.844	1.763	1.521	47.88652	1.32	ug/L
	Mn	55	547661.826	3.295	2.105	46.48045	3.66	ug/L
	Co	59	461812.209	3.791	1.777	46.76188	3.84	ug/L
	Ni	60	98150.395	1.897	0.378	46.48984	1.88	ug/L
	Cu	65	99017.081	1.311	0.379	46.75539	1.76	ug/L
	Zn	66	57756.378	2.062	0.222	52.47263	3.48	ug/L
>	Ge	72	256470.329	4.701	256470.329			ug/L
	As	75	64741.888	1.963	0.253	48.38798	3.21	ug/L
	Se	82	6787.027	6.543	0.026	51.92122	11.61	ug/L
	Y	89	467528.892	2.655	2546.410			ug/L
	Mo	98	192765.631	3.041	0.545	50.12091	2.34	ug/L
	Ag	107	248477.151	0.694	0.703	49.53217	1.03	ug/L
	Cd	111	60092.309	1.134	0.170	50.24225	0.55	ug/L
	Cd	114	132741.241	2.604	0.376	49.79383	1.77	mg/L
>	In	115	353142.781	1.594	353142.781			ug/L
	Sb	121	190512.803	2.056	0.539	50.84212	2.40	ug/L
	Ba	135	48256.960	1.901	0.114	50.74585	2.21	ug/L
>	Tb	159	421049.946	0.388	421049.946			ug/L
	Ho	165	379415.916	0.975	0.001			ug/L
	Tl	205	263886.889	1.824	0.626	51.44764	1.44	ug/L
	Pb	208	359084.983	1.006	0.852	52.17327	0.85	ug/L
	Bi	209	147442.927	0.658	0.014			ug/L
	Th	232	352137.239	3.984	0.836	52.11128	3.60	ug/L
	U	238	348694.995	4.592	0.828	52.63515	4.21	ug/L
	Na	23	16073569.452	1.562	61.739	5.37550	2.01	mg/L
	Mg	24	11159951.745	2.203	42.939	5.30604	1.75	mg/L
	K	39	33527583.622	3.408	124.820	5.09611	3.79	mg/L
	Ca	44	1152507.147	2.679	4.280	5.02220	3.37	mg/L
	Fe	54	2702652.719	6.887	10.267	4.63581	7.43	mg/L
>	Sc-1	45	259801.259	0.629	259801.259			mg/L
	Kr	83	118.668	5.418	11.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		120.972			
	Be	9	96.607				
	Al	27	108.469				
>	Sc	45		111.245			
	V	51	94.855				
	Cr	52	95.773				
	Mn	55	92.961				
	Co	59	93.524				
	Ni	60	92.980				
	Cu	65	93.511				
	Zn	66	104.945				
>	Ge	72		104.344			
	As	75	96.776				
	Se	82	103.842				
	Y	89					
	Mo	98	100.242				
	Ag	107	99.064				
	Cd	111	100.485				
	Cd	114					
>	In	115		100.599			
	Sb	121	101.684				
	Ba	135	101.492				
>	Tb	159		92.388			
	Ho	165					
	Tl	205	102.895				
	Pb	208	104.347				
	Bi	209					
	Th	232	104.223				
	U	238	105.270				
	Na	23	107.510				
	Mg	24	106.121				
	K	39	101.922				
	Ca	44	100.444				
	Fe	54	92.716				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Monday, November 29, 2010 11:07:13
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7455
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30254.559	6.020	30254.559			ug/L
	Be	9	13.333	17.321	-0.000	-0.01562	42.68	ug/L
	Al	27	15056.868	8.489	0.007	0.50945	73.56	ug/L
>	Sc	45	253490.174	3.707	253490.174			ug/L
	V	51	2887.882	3.531	0.001	0.01601	38.79	ug/L
	Cr	52	9290.242	4.573	-0.001	-0.04655	149.14	ug/L
	Mn	55	753.381	2.945	-0.000	-0.00518	24.03	ug/L
	Co	59	197.737	21.164	0.000	0.00831	42.83	ug/L
	Ni	60	99.067	17.970	0.000	0.01687	41.36	ug/L
	Cu	65	967.275	4.963	0.001	0.16219	24.37	ug/L
	Zn	66	799.385	4.045	0.000	0.00671	437.10	ug/L
>	Ge	72	258040.745	7.932	258040.745			ug/L
	As	75	93.032	4.235	0.000	0.06542	5.02	ug/L
	Se	82	127.335	2.399	-0.000	-0.01199	755.46	ug/L
	Y	89	464248.154	1.200	-734.329			ug/L
	Mo	98	447.140	20.420	0.001	0.07458	33.33	ug/L
	Ag	107	711.374	8.622	0.001	0.08703	15.88	ug/L
	Cd	111	209.287	7.387	-0.000	-0.00470	359.56	ug/L
	Cd	114	82.576	64.109	0.000	0.00248	830.44	mg/L
>	In	115	350929.553	2.667	350929.553			ug/L
	Sb	121	376.011	7.313	0.001	0.06741	11.84	ug/L
	Ba	135	59.334	1.946	0.000	0.00445	42.28	ug/L
>	Tb	159	418852.565	1.513	418852.565			ug/L
	Ho	165	370653.738	1.804	-0.014			ug/L
	Tl	205	188.670	13.170	0.000	0.00711	72.41	ug/L
	Pb	208	386.671	5.995	0.000	0.01213	32.60	ug/L
	Bi	209	147168.125	3.800	0.016			ug/L
	Th	232	564.692	9.585	0.001	0.06820	10.10	ug/L
	U	238	110.001	14.546	0.000	0.00682	32.62	ug/L
	Na	23	37942.391	5.570	0.016	0.00139	37.73	mg/L
	Mg	24	6231.842	18.364	0.010	0.00120	38.11	mg/L
	K	39	1055272.966	3.178	-0.072	-0.00295	349.98	mg/L
	Ca	44	31867.712	1.179	-0.031	-0.03642	19.07	mg/L
	Fe	54	32392.032	9.599	-0.010	-0.00431	173.39	mg/L
>	Sc-1	45	253490.174	3.707	253490.174			mg/L
	Kr	83	108.668	19.157	1.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		117.428			
	Be	9					
	Al	27					
>	Sc	45		108.543			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		104.983			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.968			
	Sb	121					
	Ba	135					
>	Tb	159		91.906			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-39 @5X

Sample Date/Time: Monday, November 29, 2010 11:10:15
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-39 @5X.7456
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	29792.306	5.360	29792.306			ug/L
	Be	9	12.667	18.232	-0.000	-0.01745	45.82	ug/L
	Al	27	11753.730	5.462	-0.004	-0.29542	60.60	ug/L
>	Sc	45	246773.614	1.636	246773.614			ug/L
	V	51	5195.511	5.571	0.010	0.27021	10.19	ug/L
	Cr	52	16646.151	2.973	0.029	0.92217	5.18	ug/L
	Mn	55	5325.376	7.242	0.018	0.40573	8.64	ug/L
	Co	59	358.598	16.953	0.001	0.02611	25.21	ug/L
	Ni	60	-622.283	3.160	-0.003	-0.34179	4.31	ug/L
	Cu	65	-104.472	14.973	-0.003	-0.36215	1.92	ug/L
	Zn	66	2252.407	6.486	0.006	1.41459	16.78	ug/L
>	Ge	72	249245.600	5.133	249245.600			ug/L
	As	75	100.694	58.653	0.000	0.07448	64.05	ug/L
	Se	82	136.002	14.925	0.000	0.09414	221.54	ug/L
	Y	89	465377.577	2.787	395.095			ug/L
	Mo	98	822.063	6.902	0.002	0.17824	8.52	ug/L
	Ag	107	282.673	6.872	0.000	0.00231	183.44	ug/L
	Cd	111	220.057	13.025	0.000	0.00899	276.25	ug/L
	Cd	114	64.340	63.317	-0.000	-0.00421	372.44	mg/L
>	In	115	342059.872	1.726	342059.872			ug/L
	Sb	121	242.671	11.190	0.000	0.03323	22.28	ug/L
	Ba	135	10840.063	2.580	0.027	11.81251	0.18	ug/L
>	Tb	159	404774.061	2.709	404774.061			ug/L
	Ho	165	370228.004	2.978	0.015			ug/L
	Tl	205	96.667	18.773	-0.000	-0.01034	32.01	ug/L
	Pb	208	271.336	11.755	-0.000	-0.00329	175.89	ug/L
	Bi	209	145765.335	2.047	0.024			ug/L
	Th	232	440.016	12.993	0.001	0.05205	18.08	ug/L
	U	238	825.388	1.335	0.002	0.11983	2.52	ug/L
	Na	23	1446327.288	0.518	5.728	0.49873	1.44	mg/L
	Mg	24	2806509.779	7.229	11.358	1.40353	7.11	mg/L
	K	39	1894668.552	0.925	3.439	0.14041	5.40	mg/L
	Ca	44	2305363.922	1.133	9.188	10.78178	2.78	mg/L
	Fe	54	29644.629	4.814	-0.018	-0.00790	43.87	mg/L
>	Sc-1	45	246773.614	1.636	246773.614			mg/L
	Kr	83	134.668	12.366	27.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		115.634			
	Be	9					
	Al	27					
>	Sc	45		105.667			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.405			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.441			
	Sb	121					
	Ba	135					
>	Tb	159		88.817			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-42 @5X

Sample Date/Time: Monday, November 29, 2010 11:13:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-42 @5X.7457
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27154.879	2.018	27154.879			ug/L
	Be	9	5.333	21.651	-0.000	-0.04477	12.21	ug/L
	Al	27	9702.193	1.557	-0.010	-0.66540	23.58	ug/L
>	Sc	45	230250.930	4.351	230250.930			ug/L
	V	51	5087.408	2.077	0.011	0.29871	11.92	ug/L
	Cr	52	16546.565	4.093	0.034	1.06655	17.82	ug/L
	Mn	55	1676.221	30.913	0.004	0.08876	49.58	ug/L
	Co	59	421.295	29.120	0.001	0.03598	38.42	ug/L
	Ni	60	-531.569	12.190	-0.003	-0.31493	8.39	ug/L
	Cu	65	-135.788	33.487	-0.003	-0.38334	7.11	ug/L
	Zn	66	1655.553	4.450	0.004	0.85536	9.07	ug/L
>	Ge	72	247146.711	1.743	247146.711			ug/L
	As	75	75.836	97.326	0.000	0.05472	102.72	ug/L
	Se	82	127.335	24.044	0.000	0.02462	939.80	ug/L
	Y	89	445527.308	3.170	-19455.174			ug/L
	Mo	98	769.536	4.072	0.002	0.17035	0.91	ug/L
	Ag	107	188.670	10.880	-0.000	-0.01584	30.54	ug/L
	Cd	111	181.523	11.465	-0.000	-0.01950	99.12	ug/L
	Cd	114	67.579	54.226	-0.000	-0.00186	819.64	mg/L
>	In	115	331987.320	3.433	331987.320			ug/L
	Sb	121	270.006	5.132	0.000	0.04304	7.77	ug/L
	Ba	135	9614.056	1.473	0.024	10.81900	1.17	ug/L
>	Tb	159	391765.366	0.336	391765.366			ug/L
	Ho	165	356955.431	1.304	0.011			ug/L
	Tl	205	90.001	9.687	-0.000	-0.01105	16.48	ug/L
	Pb	208	199.335	6.528	-0.000	-0.01327	16.11	ug/L
	Bi	209	140978.381	1.085	0.024			ug/L
	Th	232	378.011	7.937	0.001	0.04438	11.21	ug/L
	U	238	746.045	4.652	0.002	0.11121	5.11	ug/L
	Na	23	1315052.620	6.191	5.584	0.48619	7.39	mg/L
	Mg	24	2353350.065	9.187	10.223	1.26329	10.61	mg/L
	K	39	1688521.071	3.205	3.106	0.12682	16.30	mg/L
	Ca	44	2127585.693	6.146	9.080	10.65544	3.15	mg/L
	Fe	54	27296.554	4.218	-0.019	-0.00864	14.90	mg/L
>	Sc-1	45	230250.930	4.351	230250.930			mg/L
	Kr	83	112.668	13.085	5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		105.397			
	Be	9					
	Al	27					
>	Sc	45		98.592			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		100.551			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.572			
	Sb	121					
	Ba	135					
>	Tb	159		85.962			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-45 @5X

Sample Date/Time: Monday, November 29, 2010 11:15:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-45 @5X.7458
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27100.735	5.228	27100.735			ug/L
	Be	9	4.667	98.974	-0.000	-0.04785	42.17	ug/L
	Al	27	10412.715	9.112	-0.006	-0.37585	89.63	ug/L
>	Sc	45	224406.714	2.072	224406.714			ug/L
	V	51	4685.762	12.721	0.010	0.26554	24.82	ug/L
	Cr	52	15455.826	7.533	0.031	0.96647	15.04	ug/L
	Mn	55	93437.047	1.195	0.413	9.12446	1.23	ug/L
	Co	59	665.977	32.539	0.003	0.06633	41.22	ug/L
	Ni	60	-611.677	25.826	-0.003	-0.36590	22.38	ug/L
	Cu	65	-108.505	43.429	-0.003	-0.36937	6.80	ug/L
	Zn	66	2096.352	4.113	0.005	1.21098	9.24	ug/L
>	Ge	72	255686.116	3.873	255686.116			ug/L
	As	75	81.294	97.918	0.000	0.05732	106.06	ug/L
	Se	82	122.668	4.981	-0.000	-0.04201	186.06	ug/L
	Y	89	441041.103	4.708	-23941.379			ug/L
	Mo	98	920.671	2.882	0.002	0.21392	1.96	ug/L
	Ag	107	160.669	8.099	-0.000	-0.02159	13.74	ug/L
	Cd	111	192.823	15.597	-0.000	-0.00842	318.61	ug/L
	Cd	114	86.615	14.168	0.000	0.00579	93.29	mg/L
>	In	115	329744.703	1.522	329744.703			ug/L
	Sb	121	211.337	8.587	0.000	0.02672	15.86	ug/L
	Ba	135	9554.637	3.404	0.025	10.93455	1.82	ug/L
>	Tb	159	385196.227	1.792	385196.227			ug/L
	Ho	165	342991.599	1.603	-0.009			ug/L
	Tl	205	96.001	10.825	-0.000	-0.00943	25.96	ug/L
	Pb	208	280.003	2.143	0.000	0.00009	1325.69	ug/L
	Bi	209	141346.295	2.270	0.031			ug/L
	Th	232	382.012	14.576	0.001	0.04616	21.66	ug/L
	U	238	754.712	1.334	0.002	0.11472	1.26	ug/L
	Na	23	1400030.495	5.085	6.105	0.53154	4.59	mg/L
	Mg	24	2599968.901	5.291	11.579	1.43080	6.58	mg/L
	K	39	1766523.207	3.376	3.634	0.14835	8.51	mg/L
	Ca	44	2364790.524	4.736	10.377	12.17738	2.76	mg/L
	Fe	54	32009.729	10.858	0.005	0.00217	276.81	mg/L
>	Sc-1	45	224406.714	2.072	224406.714			mg/L
	Kr	83	126.001	15.142	18.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		105.187			
	Be	9					
	Al	27					
>	Sc	45		96.090			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		104.025			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.933			
	Sb	121					
	Ba	135					
>	Tb	159		84.521			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-48 @5X

Sample Date/Time: Monday, November 29, 2010 11:18:42
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-48 @5X.7459
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	23622.619	4.523	23622.619			ug/L
	Be	9	7.333	41.660	-0.000	-0.03061	55.44	ug/L
	Al	27	7910.343	4.710	-0.010	-0.65813	29.26	ug/L
>	Sc	45	187180.693	3.704	187180.693			ug/L
	V	51	3919.597	8.051	0.010	0.26725	14.61	ug/L
	Cr	52	12950.101	5.991	0.031	0.97851	15.53	ug/L
	Mn	55	-17923.479	8.531	-0.099	-2.18435	6.81	ug/L
	Co	59	-2900.608	10.277	-0.016	-0.41990	9.58	ug/L
	Ni	60	-1999.633	11.136	-0.011	-1.34580	9.62	ug/L
	Cu	65	-1387.687	9.599	-0.010	-1.22479	5.84	ug/L
	Zn	66	163632.255	4.317	0.730	172.35277	1.06	ug/L
>	Ge	72	223098.437	3.864	223098.437			ug/L
	As	75	198.302	19.961	0.001	0.16750	24.43	ug/L
	Se	82	176.002	4.953	0.000	0.57512	22.03	ug/L
	Y	89	401991.567	2.037	-62990.915			ug/L
	Mo	98	6178.478	0.702	0.020	1.82725	2.63	ug/L
	Ag	107	132.001	5.463	-0.000	-0.02529	8.87	ug/L
	Cd	111	1161.569	6.175	0.003	0.95156	7.39	ug/L
	Cd	114	2301.803	2.171	0.007	0.97581	3.92	mg/L
>	In	115	303761.461	1.947	303761.461			ug/L
	Sb	121	198.003	5.051	0.000	0.02780	10.35	ug/L
	Ba	135	2478.492	5.553	0.007	3.07574	7.00	ug/L
>	Tb	159	350757.138	1.489	350757.138			ug/L
	Ho	165	320569.104	1.284	0.014			ug/L
	Tl	205	120.668	22.625	-0.000	-0.00172	345.56	ug/L
	Pb	208	403.339	10.685	0.000	0.02603	31.25	ug/L
	Bi	209	138451.120	2.066	0.059			ug/L
	Th	232	480.018	5.878	0.001	0.06950	5.45	ug/L
	U	238	4643.725	2.654	0.013	0.83194	2.99	ug/L
	Na	23	3774654.328	5.091	20.026	1.74366	1.84	mg/L
	Mg	24	5441056.792	7.718	29.053	3.59009	6.76	mg/L
	K	39	1917374.142	3.633	6.005	0.24518	4.54	mg/L
	Ca	44	6772014.359	1.253	36.044	42.29648	2.44	mg/L
	Fe	54	24361.317	3.060	-0.008	-0.00341	15.88	mg/L
>	Sc-1	45	187180.693	3.704	187180.693			mg/L
	Kr	83	110.668	8.347	3.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		91.687			
	Be	9					
	Al	27					
>	Sc	45		80.150			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		90.767			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.532			
	Sb	121					
	Ba	135					
>	Tb	159		76.964			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-51 @5X

Sample Date/Time: Monday, November 29, 2010 11:21:30
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011111
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-51 @5X.7460
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24467.170	3.484	24467.170			ug/L
	Be	9	28.000	32.733	0.001	0.06821	59.81	ug/L
	Al	27	49168.753	2.878	0.204	13.91493	5.05	ug/L
>	Sc	45	192104.137	4.893	192104.137			ug/L
	V	51	4218.911	11.199	0.011	0.29467	21.56	ug/L
	Cr	52	13557.436	9.089	0.032	1.01945	14.25	ug/L
	Mn	55	3060691.793	1.029	15.951	352.20992	4.18	ug/L
	Co	59	974.886	40.323	0.005	0.11982	40.71	ug/L
	Ni	60	-504.950	34.097	-0.003	-0.35900	36.20	ug/L
	Cu	65	3326.732	2.463	0.015	1.83336	8.37	ug/L
	Zn	66	625098.026	4.535	2.769	653.43345	1.92	ug/L
>	Ge	72	225437.493	2.614	225437.493			ug/L
	As	75	193.526	35.717	0.001	0.16159	38.98	ug/L
	Se	82	132.668	10.262	0.000	0.17465	82.10	ug/L
	Y	89	406726.890	0.758	-58255.592			ug/L
	Mo	98	8698.600	1.411	0.029	2.63538	2.57	ug/L
	Ag	107	118.001	18.333	-0.000	-0.02801	20.85	ug/L
	Cd	111	3469.207	2.388	0.011	3.26121	2.01	ug/L
	Cd	114	7488.871	2.223	0.025	3.29741	4.38	mg/L
>	In	115	298706.315	3.919	298706.315			ug/L
	Sb	121	192.003	15.345	0.000	0.02694	33.67	ug/L
	Ba	135	3086.763	4.345	0.009	3.88123	3.50	ug/L
>	Tb	159	347250.907	1.674	347250.907			ug/L
	Ho	165	318232.289	3.742	0.017			ug/L
	Tl	205	164.002	9.982	0.000	0.00888	43.19	ug/L
	Pb	208	216.002	9.755	-0.000	-0.00631	65.92	ug/L
	Bi	209	138428.737	3.474	0.063			ug/L
	Th	232	447.349	11.541	0.001	0.06455	14.69	ug/L
	U	238	4583.681	2.464	0.013	0.82927	1.02	ug/L
	Na	23	3999655.562	3.875	20.716	1.80369	5.71	mg/L
	Mg	24	5129024.126	3.052	26.709	3.30042	3.45	mg/L
	K	39	2054457.440	1.000	6.473	0.26427	9.11	mg/L
	Ca	44	7181781.040	2.054	37.266	43.73118	3.29	mg/L
	Fe	54	246649.433	0.434	1.148	0.51840	5.15	mg/L
>	Sc-1	45	192104.137	4.893	192104.137			mg/L
	Kr	83	112.001	32.489	4.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.965			
	Be	9					
	Al	27					
>	Sc	45		82.258			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		91.718			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.091			
	Sb	121					
	Ba	135					
>	Tb	159		76.195			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011112-BLK1

Sample Date/Time: Monday, November 29, 2010 11:24:18
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011112-BLK1.7461
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30300.674	3.747	30300.674			ug/L
	Be	9	10.000	52.915	-0.000	-0.02850	75.90	ug/L
	Al	27	12927.375	4.652	0.001	0.07485	420.58	ug/L
>	Sc	45	244265.360	5.454	244265.360			ug/L
	V	51	2852.149	9.691	0.001	0.02312	80.06	ug/L
	Cr	52	9748.272	4.111	0.002	0.05572	47.58	ug/L
	Mn	55	1784.362	8.084	0.004	0.09037	7.56	ug/L
	Co	59	130.688	6.792	0.000	0.00200	80.84	ug/L
	Ni	60	32.687	40.807	-0.000	-0.01460	45.50	ug/L
	Cu	65	357.687	6.795	-0.001	-0.12909	6.55	ug/L
	Zn	66	625.365	2.902	-0.001	-0.13374	24.63	ug/L
>	Ge	72	249785.587	6.668	249785.587			ug/L
	As	75	56.583	159.218	0.000	0.03733	174.77	ug/L
	Se	82	118.001	13.238	-0.000	-0.06100	119.88	ug/L
	Y	89	449376.947	1.780	-15605.535			ug/L
	Mo	98	134.750	5.794	-0.000	-0.00512	36.21	ug/L
	Ag	107	149.335	9.407	-0.000	-0.02401	14.56	ug/L
	Cd	111	184.980	18.527	-0.000	-0.01523	216.31	ug/L
	Cd	114	79.920	51.248	0.000	0.00314	530.04	mg/L
>	In	115	329904.321	1.529	329904.321			ug/L
	Sb	121	194.670	10.393	0.000	0.02197	25.61	ug/L
	Ba	135	18.667	32.733	-0.000	-0.03705	18.48	ug/L
>	Tb	159	387740.627	0.734	387740.627			ug/L
	Ho	165	346121.799	0.081	-0.007			ug/L
	Tl	205	120.668	19.424	-0.000	-0.00434	117.91	ug/L
	Pb	208	174.668	10.823	-0.000	-0.01684	17.67	ug/L
	Bi	209	142383.080	1.300	0.031			ug/L
	Th	232	344.676	12.410	0.001	0.03961	16.59	ug/L
	U	238	34.000	48.149	-0.000	-0.00429	62.16	ug/L
	Na	23	11570.105	10.062	-0.086	-0.00750	8.17	mg/L
	Mg	24	5707.631	45.523	0.008	0.00104	115.05	mg/L
	K	39	940873.129	3.421	-0.380	-0.01550	74.85	mg/L
	Ca	44	32976.105	1.066	-0.022	-0.02536	37.16	mg/L
	Fe	54	31593.223	0.837	-0.008	-0.00368	75.10	mg/L
>	Sc-1	45	244265.360	5.454	244265.360			mg/L
	Kr	83	118.668	7.017	11.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		117.607			
	Be	9					
	Al	27					
>	Sc	45		104.593			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.624			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.979			
	Sb	121					
	Ba	135					
>	Tb	159		85.079			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011112-BS1

Sample Date/Time: Monday, November 29, 2010 11:27:07
Sample Type: Spike - 3 of 26
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011112-BS1.7462
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	31078.615	6.293	31078.615			ug/L
	Be	9	24901.579	4.624	0.801	96.33713	1.64	ug/L
	Al	27	36227591.721	3.823	143.812	9797.20798	9.54	ug/L
>	Sc	45	252825.667	6.455	252825.667			ug/L
	V	51	917286.217	7.012	3.617	95.22531	2.66	ug/L
	Cr	52	758686.397	0.342	2.971	93.53547	6.47	ug/L
	Mn	55	1067067.200	7.882	4.216	93.09340	3.55	ug/L
	Co	59	859873.101	3.293	3.405	89.60303	3.21	ug/L
	Ni	60	189691.471	2.789	0.751	92.51755	4.21	ug/L
	Cu	65	174887.552	1.121	0.691	85.36355	7.10	ug/L
	Zn	66	113565.912	1.167	0.426	100.59462	3.58	ug/L
>	Ge	72	264674.204	2.511	264674.204			ug/L
	As	75	131465.558	2.365	0.497	95.12672	0.45	ug/L
	Se	82	65503.583	2.255	0.247	492.49704	4.23	ug/L
	Y	89	456827.371	0.842	-8155.111			ug/L
	Mo	98	355801.256	2.423	1.092	100.33369	2.49	ug/L
	Ag	107	471328.185	1.349	1.446	101.90739	1.98	ug/L
	Cd	111	112526.650	2.510	0.345	102.14942	0.45	ug/L
	Cd	114	247099.430	2.722	0.758	100.53209	3.58	mg/L
>	In	115	325848.282	2.768	325848.282			ug/L
	Sb	121	353171.794	1.201	1.084	102.22165	3.20	ug/L
	Ba	135	89674.326	2.468	0.234	103.65010	3.05	ug/L
>	Tb	159	383323.007	0.837	383323.007			ug/L
	Ho	165	344758.244	2.190	-0.000			ug/L
	Tl	205	489789.427	1.593	1.277	104.92083	1.12	ug/L
	Pb	208	645322.877	1.354	1.683	103.04277	1.90	ug/L
	Bi	209	141311.081	2.728	0.033			ug/L
	Th	232	655925.425	4.302	1.711	106.66406	4.72	ug/L
	U	238	645756.679	4.497	1.684	107.09128	4.41	ug/L
	Na	23	32270134.147	6.739	127.690	11.11776	6.79	mg/L
	Mg	24	21635264.014	2.228	85.805	10.60305	6.93	mg/L
	K	39	64591568.455	2.665	252.257	10.29910	9.40	mg/L
	Ca	44	2255341.851	0.991	8.790	10.31496	7.03	mg/L
	Fe	54	5451345.642	4.022	21.468	9.69303	5.89	mg/L
>	Sc-1	45	252825.667	6.455	252825.667			mg/L
	Kr	83	153.335	13.130	46.001			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		120.626			
	Be	9			96.366		
	Al	27			97.971		
>	Sc	45		108.258			
	V	51			95.202		
	Cr	52			93.480		
	Mn	55			93.003		
	Co	59			89.601		
	Ni	60			92.532		
	Cu	65			85.493		
	Zn	66			100.728		
>	Ge	72		107.682			
	As	75			95.089		
	Se	82			98.512		
	Y	89					
	Mo	98			100.339		
	Ag	107			101.931		
	Cd	111			102.165		
	Cd	114					
>	In	115		92.823			
	Sb	121			102.200		
	Ba	135			103.687		
>	Tb	159		84.110			
	Ho	165					
	Tl	205			104.925		
	Pb	208			103.060		
	Bi	209					
	Th	232			106.624		
	U	238			107.096		
	Na	23			111.253		
	Mg	24			106.020		
	K	39			103.146		
	Ca	44			103.403		
	Fe	54			96.967		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-54

@ 10X 11/29/10

Sample Date/Time: Monday, November 29, 2010 11:29:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-54.7463
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27590.946	6.666	27590.946			ug/L
	Be	9	20.000	43.589	0.000	0.02042	215.94	ug/L
	Al	27	38036.106	2.578	0.115	7.80315	3.55	ug/L
>	Sc	45	228609.721	4.958	228609.721			ug/L
	V	51	3639.114	7.998	0.005	0.13497	16.69	ug/L
	Cr	52	11842.556	4.314	0.014	0.42998	7.33	ug/L
	Mn	55	1895607.175	1.752	8.299	183.25765	4.11	ug/L
	Co	59	489.485	56.347	0.002	0.04430	72.46	ug/L
	Ni	60	-640.335	9.534	-0.003	-0.37591	6.74	ug/L
	Cu	65	2736.675	6.001	0.009	1.17041	9.33	ug/L
	Zn	66	358982.152	5.512	1.445	340.93739	0.63	ug/L
>	Ge	72	248010.948	6.035	248010.948			ug/L
	As	75	122.435	20.004	0.000	0.09100	21.97	ug/L
	Se	82	152.002	10.277	0.000	0.22832	83.82	ug/L
	Y	89	431939.294	3.461	-33043.188			ug/L
	Mo	98	5668.818	7.698	0.018	1.64526	6.95	ug/L
	Ag	107	817.388	18.050	0.002	0.13068	25.36	ug/L
	Cd	111	1941.126	6.747	0.006	1.68368	8.59	ug/L
	Cd	114	4097.622	3.544	0.013	1.73110	2.40	mg/L
>	In	115	308523.625	1.316	308523.625			ug/L
	Sb	121	517.355	7.016	0.001	0.12443	8.47	ug/L
	Ba	135	1685.561	1.153	0.004	1.95339	2.76	ug/L
>	Tb	159	371487.227	1.560	371487.227			ug/L
	Ho	165	335323.804	1.185	0.003			ug/L
	Tl	205	214.670	6.610	0.000	0.01756	19.52	ug/L
	Pb	208	329.337	3.711	0.000	0.00986	21.58	ug/L
	Bi	209	144811.796	0.600	0.054			ug/L
	Th	232	725.376	9.657	0.002	0.10606	12.53	ug/L
	U	238	2449.814	4.441	0.006	0.40966	6.08	ug/L
	Na	23	2529975.412	7.776	10.924	0.95110	3.40	mg/L
	Mg	24	3283301.438	6.020	14.343	1.77235	1.29	mg/L
	K	39	1791898.795	5.224	3.599	0.14695	6.59	mg/L
	Ca	44	4391078.137	4.160	19.061	22.36712	2.91	mg/L
	Fe	54	164696.769	8.998	0.582	0.26279	6.20	mg/L
>	Sc-1	45	228609.721	4.958	228609.721			mg/L
	Kr	83	112.668	3.695	5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		107.090			
	Be	9					
	Al	27					
>	Sc	45		97.889			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		100.902			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		87.888			
	Sb	121					
	Ba	135					
>	Tb	159		81.513			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011112-DUP1 @ 10x [illegible] 11/29/10

Sample Date/Time: Monday, November 29, 2010 11:32:43
Sample Type: Duplicate of 28
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011112-DUP1.7464
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24279.119	4.110	24279.119			ug/L
	Be	9	20.667	20.145	0.000	0.03344	50.04	ug/L
	Al	27	34150.571	5.556	0.117	7.96752	8.47	ug/L
>	Sc	45	202242.252	2.712	202242.252			ug/L
	V	51	3494.897	6.038	0.006	0.17083	11.81	ug/L
	Cr	52	11388.383	4.998	0.018	0.57121	11.70	ug/L
	Mn	55	1756292.750	3.628	8.680	191.66242	1.65	ug/L
	Co	59	347.378	37.982	0.001	0.03331	53.91	ug/L
	Ni	60	-484.298	24.657	-0.003	-0.32492	20.47	ug/L
	Cu	65	2371.422	2.576	0.009	1.13866	4.68	ug/L
	Zn	66	333193.937	3.240	1.377	324.95698	4.26	ug/L
>	Ge	72	241511.575	1.253	241511.575			ug/L
	As	75	139.429	33.810	0.001	0.10653	33.76	ug/L
	Se	82	115.334	6.090	-0.000	-0.04840	110.16	ug/L
	Y	89	406129.768	2.334	-58852.714			ug/L
	Mo	98	4648.926	3.174	0.015	1.35882	1.96	ug/L
	Ag	107	319.342	11.639	0.000	0.01793	51.23	ug/L
	Cd	111	1952.694	4.214	0.006	1.71782	6.60	ug/L
	Cd	114	3978.843	0.919	0.013	1.70162	2.58	mg/L
>	In	115	304825.146	1.782	304825.146			ug/L
	Sb	121	232.671	4.327	0.000	0.03834	10.22	ug/L
	Ba	135	1614.876	7.591	0.004	1.93663	7.17	ug/L
>	Tb	159	358707.101	0.968	358707.101			ug/L
	Ho	165	324433.898	1.388	0.005			ug/L
	Tl	205	134.001	11.269	0.000	0.00078	458.21	ug/L
	Pb	208	306.670	6.199	0.000	0.00793	42.47	ug/L
	Bi	209	136283.252	2.815	0.044			ug/L
	Th	232	428.681	5.566	0.001	0.05874	7.70	ug/L
	U	238	2261.076	4.355	0.006	0.39098	5.14	ug/L
	Na	23	2283951.326	5.081	11.168	0.97239	6.46	mg/L
	Mg	24	2848166.769	1.575	14.075	1.73927	3.10	mg/L
	K	39	1623443.600	1.230	3.790	0.15474	5.60	mg/L
	Ca	44	3949285.894	5.911	19.362	22.72107	3.92	mg/L
	Fe	54	149464.731	4.710	0.601	0.27139	2.67	mg/L
>	Sc-1	45	202242.252	2.712	202242.252			mg/L
	Kr	83	122.668	13.078	15.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.235			
	Be	9					48.339
	Al	27					2.085
>	Sc	45		86.599			
	V	51					23.449
	Cr	52					28.212
	Mn	55					4.484
	Co	59					28.325
	Ni	60					14.551
	Cu	65					2.750
	Zn	66					4.800
>	Ge	72		98.258			
	As	75					15.725
	Se	82					307.614
	Y	89					
	Mo	98					19.070
	Ag	107					151.729
	Cd	111					2.007
	Cd	114					1.718
>	In	115		86.835			
	Sb	121					105.783
	Ba	135					0.862
>	Tb	159		78.709			
	Ho	165					
	Tl	205					183.091
	Pb	208					21.746
	Bi	209					
	Th	232					57.433
	U	238					4.666
	Na	23					2.214
	Mg	24					1.884
	K	39					5.160
	Ca	44					1.570
	Fe	54					3.221
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, November 29, 2010 11:35:31
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7465
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27394.607	2.961	27394.607			ug/L
	Be	9	12.000	44.096	-0.000	-0.01548	158.42	ug/L
	Al	27	10011.349	2.601	-0.007	-0.50925	57.16	ug/L
>	Sc	45	226041.064	7.213	226041.064			ug/L
	V	51	2699.592	6.204	0.001	0.03234	124.23	ug/L
	Cr	52	9144.687	1.768	0.002	0.07690	128.82	ug/L
	Mn	55	1104.803	17.884	0.002	0.03654	31.58	ug/L
	Co	59	125.875	17.131	0.000	0.00245	59.09	ug/L
	Ni	60	47.207	34.335	-0.000	-0.00567	136.59	ug/L
	Cu	65	533.293	6.015	-0.000	-0.01685	226.62	ug/L
	Zn	66	582.027	5.455	-0.001	-0.16620	19.56	ug/L
>	Ge	72	245453.530	1.353	245453.530			ug/L
	As	75	5.566	1867.847	0.000	0.00123	6636.49	ug/L
	Se	82	118.001	12.222	-0.000	-0.04137	295.25	ug/L
	Y	89	444656.328	1.716	-20326.154			ug/L
	Mo	98	232.534	14.964	0.000	0.02372	50.25	ug/L
	Ag	107	223.337	7.616	-0.000	-0.00717	62.61	ug/L
	Cd	111	190.545	5.899	-0.000	-0.00675	184.36	ug/L
	Cd	114	54.111	82.993	-0.000	-0.00686	267.91	mg/L
>	In	115	323105.242	3.477	323105.242			ug/L
	Sb	121	80.667	31.198	-0.000	-0.01001	76.68	ug/L
	Ba	135	20.000	26.458	-0.000	-0.03523	18.44	ug/L
>	Tb	159	384621.660	2.424	384621.660			ug/L
	Ho	165	346818.526	1.674	0.002			ug/L
	Tl	205	116.001	24.444	-0.000	-0.00523	106.14	ug/L
	Pb	208	216.002	10.517	-0.000	-0.01009	28.00	ug/L
	Bi	209	139007.247	3.283	0.026			ug/L
	Th	232	331.342	4.916	0.001	0.03799	10.49	ug/L
	U	238	18.667	34.442	-0.000	-0.00678	15.01	ug/L
	Na	23	12641.116	44.454	-0.078	-0.00678	31.74	mg/L
	Mg	24	2523.182	13.382	-0.004	-0.00045	27.00	mg/L
	K	39	915331.338	2.064	-0.174	-0.00710	209.89	mg/L
	Ca	44	31638.557	1.541	-0.017	-0.01942	48.16	mg/L
	Fe	54	29723.063	4.865	-0.006	-0.00259	210.06	mg/L
>	Sc-1	45	226041.064	7.213	226041.064			mg/L
	Kr	83	133.335	5.268	26.000			mg/L

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QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		106.328			
	Be	9					
	Al	27					
>	Sc	45		96.789			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.862			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.042			
	Sb	121					
	Ba	135					
>	Tb	159		84.395			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Monday, November 29, 2010 11:38:18
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7466
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	31034.245	3.219	31034.245			ug/L
	Be	9	12532.563	3.602	0.404	48.54369	6.20	ug/L
	Al	27	968601.280	7.498	3.913	266.55202	8.23	ug/L
>	Sc	45	244406.913	1.218	244406.913			ug/L
	V	51	483707.378	4.649	1.969	51.83797	5.87	ug/L
	Cr	52	402102.276	5.668	1.608	50.62428	7.04	ug/L
	Mn	55	539770.336	0.702	2.206	48.70246	1.93	ug/L
	Co	59	449740.693	1.718	1.840	48.40855	1.55	ug/L
	Ni	60	94485.727	4.755	0.387	47.59532	5.92	ug/L
	Cu	65	93432.679	5.353	0.380	46.91178	6.12	ug/L
	Zn	66	57524.556	4.647	0.223	52.66889	7.51	ug/L
>	Ge	72	254608.515	2.863	254608.515			ug/L
	As	75	65163.806	3.172	0.256	49.01518	1.94	ug/L
	Se	82	6765.668	5.767	0.026	51.99703	7.20	ug/L
	Y	89	451015.835	2.478	-13966.647			ug/L
	Mo	98	190806.934	4.354	0.554	50.90965	4.67	ug/L
	Ag	107	246081.871	2.267	0.714	50.32061	1.20	ug/L
	Cd	111	59888.639	1.263	0.173	51.38069	2.05	ug/L
	Cd	114	129990.589	2.262	0.378	50.03886	2.97	mg/L
>	In	115	344199.874	1.073	344199.874			ug/L
	Sb	121	184405.872	3.080	0.535	50.47730	2.10	ug/L
	Ba	135	48109.161	1.911	0.118	52.08845	0.49	ug/L
>	Tb	159	408925.431	1.674	408925.431			ug/L
	Ho	165	367865.491	2.124	0.000			ug/L
	Tl	205	257812.372	4.397	0.630	51.77417	5.18	ug/L
	Pb	208	346977.743	0.827	0.848	51.91427	0.98	ug/L
	Bi	209	143927.050	0.672	0.016			ug/L
	Th	232	342714.772	1.467	0.838	52.24382	3.15	ug/L
	U	238	341878.374	3.275	0.836	53.16327	4.45	ug/L
	Na	23	15337979.612	5.272	62.607	5.45107	4.34	mg/L
	Mg	24	10864124.223	4.593	44.450	5.49280	5.36	mg/L
	K	39	33180832.837	3.449	131.571	5.37177	4.83	mg/L
	Ca	44	1120023.242	4.772	4.425	5.19311	4.51	mg/L
	Fe	54	2633353.120	3.963	10.641	4.80447	5.15	mg/L
>	Sc-1	45	244406.913	1.218	244406.913			mg/L
	Kr	83	124.668	17.304	17.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		120.454			
	Be	9	97.087				
	Al	27	106.621				
>	Sc	45		104.654			
	V	51	103.676				
	Cr	52	101.249				
	Mn	55	97.405				
	Co	59	96.817				
	Ni	60	95.191				
	Cu	65	93.824				
	Zn	66	105.338				
>	Ge	72		103.586			
	As	75	98.030				
	Se	82	103.994				
	Y	89					
	Mo	98	101.819				
	Ag	107	100.641				
	Cd	111	102.761				
	Cd	114					
>	In	115		98.051			
	Sb	121	100.955				
	Ba	135	104.177				
>	Tb	159		89.728			
	Ho	165					
	Tl	205	103.548				
	Pb	208	103.829				
	Bi	209					
	Th	232	104.488				
	U	238	106.327				
	Na	23	109.021				
	Mg	24	109.856				
	K	39	107.435				
	Ca	44	103.862				
	Fe	54	96.089				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Monday, November 29, 2010 11:41:19
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7467
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	29542.341	2.011	29542.341			ug/L
	Be	9	10.000	0.000	-0.000	-0.02774	2.99	ug/L
	Al	27	14261.595	2.843	0.007	0.50756	21.67	ug/L
>	Sc	45	240216.155	5.098	240216.155			ug/L
	V	51	2739.405	5.076	0.001	0.01664	108.88	ug/L
	Cr	52	9158.719	5.445	-0.000	-0.00087	4187.87	ug/L
	Mn	55	1206.779	57.557	0.002	0.03922	154.38	ug/L
	Co	59	231.998	7.417	0.001	0.01333	17.32	ug/L
	Ni	60	103.994	23.553	0.000	0.02201	49.21	ug/L
	Cu	65	1004.078	6.291	0.002	0.20710	19.86	ug/L
	Zn	66	754.046	5.218	-0.000	-0.00199	644.82	ug/L
>	Ge	72	245901.397	5.920	245901.397			ug/L
	As	75	47.439	36.755	0.000	0.03327	42.54	ug/L
	Se	82	120.001	10.408	-0.000	-0.02131	731.62	ug/L
	Y	89	452131.563	5.882	-12850.920			ug/L
	Mo	98	501.582	7.353	0.001	0.09011	10.84	ug/L
	Ag	107	698.040	18.597	0.001	0.08580	31.37	ug/L
	Cd	111	218.526	17.102	0.000	0.00491	665.18	ug/L
	Cd	114	128.579	13.369	0.000	0.02002	33.69	mg/L
>	In	115	347224.882	0.493	347224.882			ug/L
	Sb	121	414.680	7.570	0.001	0.07897	11.35	ug/L
	Ba	135	56.000	19.885	0.000	0.00099	1306.03	ug/L
>	Tb	159	419502.211	2.014	419502.211			ug/L
	Ho	165	371229.379	1.910	-0.015			ug/L
	Tl	205	185.336	11.887	0.000	0.00634	60.82	ug/L
	Pb	208	378.671	2.199	0.000	0.01086	17.52	ug/L
	Bi	209	141529.085	2.383	0.002			ug/L
	Th	232	398.013	6.114	0.001	0.04334	6.28	ug/L
	U	238	105.334	20.303	0.000	0.00607	48.61	ug/L
	Na	23	36527.394	6.505	0.018	0.00159	29.08	mg/L
	Mg	24	5377.039	19.799	0.007	0.00093	47.06	mg/L
	K	39	1022553.563	1.535	0.025	0.00104	1085.99	mg/L
	Ca	44	31776.580	0.967	-0.024	-0.02859	30.82	mg/L
	Fe	54	31529.667	6.396	-0.006	-0.00270	248.49	mg/L
>	Sc-1	45	240216.155	5.098	240216.155			mg/L
	Kr	83	120.001	2.887	12.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		114.664			
	Be	9					
	Al	27					
>	Sc	45		102.859			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		100.044			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.913			
	Sb	121					
	Ba	135					
>	Tb	159		92.049			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-SRD2 @~~5X~~ @ 50X lw 11/29/10

Sample Date/Time: Monday, November 29, 2010 11:44:21
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-SRD2 @5X.7468
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27604.197	3.085	27604.197			ug/L
	Be	9	16.667	27.713	0.000	0.00442	488.78	ug/L
	Al	27	19278.411	5.384	0.028	1.92731	17.34	ug/L
>	Sc	45	240352.010	3.212	240352.010			ug/L
	V	51	3106.653	7.629	0.002	0.05640	44.83	ug/L
	Cr	52	9759.650	8.423	0.002	0.07729	137.09	ug/L
	Mn	55	445284.930	0.852	1.851	40.86625	3.41	ug/L
	Co	59	183.924	63.940	0.000	0.00781	161.86	ug/L
	Ni	60	-50.769	120.345	-0.000	-0.05751	56.08	ug/L
	Cu	65	860.378	3.633	0.001	0.13272	22.83	ug/L
	Zn	66	78096.984	1.606	0.303	71.41796	1.98	ug/L
>	Ge	72	255501.283	1.517	255501.283			ug/L
	As	75	112.628	37.903	0.000	0.08037	38.73	ug/L
	Se	82	135.335	17.631	0.000	0.05523	331.11	ug/L
	Y	89	449359.909	0.737	-15622.573			ug/L
	Mo	98	1145.000	7.168	0.003	0.26589	10.21	ug/L
	Ag	107	272.006	4.094	0.000	0.00022	1225.87	ug/L
	Cd	111	571.718	13.965	0.001	0.31426	20.96	ug/L
	Cd	114	941.564	5.313	0.003	0.33657	6.09	mg/L
>	In	115	341397.119	1.762	341397.119			ug/L
	Sb	121	143.335	22.077	0.000	0.00596	151.68	ug/L
	Ba	135	464.684	3.711	0.001	0.45020	5.72	ug/L
>	Tb	159	405215.233	1.740	405215.233			ug/L
	Ho	165	361702.907	1.577	-0.007			ug/L
	Tl	205	119.334	10.102	-0.000	-0.00570	49.60	ug/L
	Pb	208	234.002	10.912	-0.000	-0.00910	36.78	ug/L
	Bi	209	144536.167	2.515	0.021			ug/L
	Th	232	300.674	9.415	0.000	0.03052	15.94	ug/L
	U	238	497.353	1.012	0.001	0.06820	3.09	ug/L
	Na	23	684072.253	3.858	2.713	0.23618	2.78	mg/L
	Mg	24	902333.120	1.318	3.741	0.46229	2.20	mg/L
	K	39	1199145.740	2.707	0.752	0.03069	26.77	mg/L
	Ca	44	1001870.196	4.409	4.011	4.70699	2.67	mg/L
	Fe	54	58698.961	3.094	0.107	0.04824	14.46	mg/L
>	Sc-1	45	240352.010	3.212	240352.010			mg/L
	Kr	83	121.335	14.774	14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		107.141			
	Be	9					
	Al	27					
>	Sc	45		102.917			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.950			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.253			
	Sb	121					
	Ba	135					
>	Tb	159		88.914			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011112-MS1

@ 10x [illegible] 11/29/10

Sample Date/Time: Monday, November 29, 2010 11:47:09
Sample Type: Spike - 3 of 28
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011112-MS1.7469
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25564.208	3.048	25564.208			ug/L
	Be	9	2127.029	3.234	0.083	9.93551	0.77	ug/L
	Al	27	2617957.745	3.772	12.162	828.56025	3.68	ug/L
>	Sc	45	214406.886	3.348	214406.886			ug/L
	V	51	77335.171	9.550	0.350	9.20532	8.11	ug/L
	Cr	52	73377.267	6.079	0.304	9.57901	7.37	ug/L
	Mn	55	1920070.949	2.124	8.954	197.72387	1.22	ug/L
	Co	59	76445.409	5.699	0.356	9.36788	3.97	ug/L
	Ni	60	16129.754	5.924	0.075	9.23134	4.49	ug/L
	Cu	65	18437.030	5.883	0.083	10.31033	5.58	ug/L
	Zn	66	343849.006	4.727	1.415	333.95969	3.67	ug/L
>	Ge	72	242435.690	2.474	242435.690			ug/L
	As	75	12470.992	3.043	0.051	9.84709	0.78	ug/L
	Se	82	6289.169	5.396	0.025	50.71298	5.96	ug/L
	Y	89	419028.181	2.084	-45954.301			ug/L
	Mo	98	37979.997	2.221	0.118	10.85155	3.11	ug/L
	Ag	107	44361.097	4.617	0.138	9.69706	3.76	ug/L
	Cd	111	12861.743	0.780	0.040	11.71216	1.61	ug/L
	Cd	114	28187.457	2.939	0.088	11.62787	1.04	mg/L
>	In	115	320499.305	2.295	320499.305			ug/L
	Sb	121	34425.232	1.686	0.107	10.09843	3.10	ug/L
	Ba	135	10430.037	3.809	0.028	12.29339	2.06	ug/L
>	Tb	159	374216.261	2.051	374216.261			ug/L
	Ho	165	332924.417	2.716	-0.010			ug/L
	Tl	205	48750.871	3.391	0.130	10.67731	5.12	ug/L
	Pb	208	65152.884	0.495	0.173	10.61956	2.58	ug/L
	Bi	209	140227.691	2.637	0.039			ug/L
	Th	232	66603.750	1.853	0.178	11.08440	3.89	ug/L
	U	238	67820.011	1.156	0.181	11.51496	2.14	ug/L
	Na	23	4641018.496	8.501	21.496	1.87160	6.15	mg/L
	Mg	24	4672403.032	7.988	21.758	2.68874	5.02	mg/L
	K	39	6556245.762	6.083	26.327	1.07487	4.43	mg/L
	Ca	44	4277466.392	7.774	19.776	23.20675	4.90	mg/L
	Fe	54	631279.875	3.120	2.807	1.26729	0.58	mg/L
>	Sc-1	45	214406.886	3.348	214406.886			mg/L
	Kr	83	126.668	16.883	19.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.223			
	Be	9			9.915		
	Al	27			8.208		
>	Sc	45		91.808			
	V	51			9.070		
	Cr	52			9.149		
	Mn	55			14.466		
	Co	59			9.324		
	Ni	60			9.607		
	Cu	65			9.140		
	Zn	66			-6.978		
>	Ge	72		98.634			
	As	75			9.756		
	Se	82			10.097		
	Y	89					
	Mo	98			9.206		
	Ag	107			9.566		
	Cd	111			10.028		
	Cd	114					
>	In	115		91.300			
	Sb	121			9.974		
	Ba	135			10.340		
>	Tb	159		82.112			
	Ho	165					
	Tl	205			10.660		
	Pb	208			10.610		
	Bi	209					
	Th	232			10.978		
	U	238			11.105		
	Na	23			9.205		
	Mg	24			9.164		
	K	39			9.279		
	Ca	44			8.396		
	Fe	54			10.045		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011112-MSD1 (A) 1 of 1 [illegible]

Sample Date/Time: Monday, November 29, 2010 11:49:58
Sample Type: Spike - 3 of 28
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011112-MSD1.7470
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24813.943	5.934	24813.943			ug/L
	Be	9	1938.301	4.086	0.078	9.33132	2.57	ug/L
	Al	27	2405705.541	2.906	11.857	807.72577	2.67	ug/L
>	Sc	45	202205.626	5.399	202205.626			ug/L
	V	51	74060.138	1.888	0.356	9.38184	7.35	ug/L
	Cr	52	68802.907	3.317	0.303	9.54562	10.00	ug/L
	Mn	55	1833061.971	4.649	9.074	200.37229	5.62	ug/L
	Co	59	73644.543	3.148	0.365	9.59233	6.77	ug/L
	Ni	60	15040.936	2.587	0.074	9.13907	3.47	ug/L
	Cu	65	17814.908	2.099	0.086	10.59007	5.81	ug/L
	Zn	66	352296.263	5.245	1.496	352.99986	1.18	ug/L
>	Ge	72	234974.346	4.156	234974.346			ug/L
	As	75	12554.507	9.687	0.053	10.21310	5.67	ug/L
	Se	82	6066.950	5.851	0.025	50.43627	2.71	ug/L
	Y	89	410390.145	2.894	-54592.337			ug/L
	Mo	98	37008.620	1.901	0.121	11.07481	3.44	ug/L
	Ag	107	43858.044	1.803	0.143	10.04348	1.65	ug/L
	Cd	111	12411.849	1.508	0.040	11.83612	1.07	ug/L
	Cd	114	27112.045	2.954	0.088	11.71206	1.37	mg/L
>	In	115	306040.486	1.612	306040.486			ug/L
	Sb	121	33544.455	1.344	0.109	10.30417	2.63	ug/L
	Ba	135	9878.479	4.825	0.027	12.06044	2.33	ug/L
>	Tb	159	361209.477	3.109	361209.477			ug/L
	Ho	165	328610.009	3.124	0.010			ug/L
	Tl	205	47104.258	2.708	0.130	10.68567	3.04	ug/L
	Pb	208	64396.793	0.665	0.178	10.87967	3.63	ug/L
	Bi	209	138845.137	2.261	0.049			ug/L
	Th	232	66370.749	2.974	0.184	11.44217	3.27	ug/L
	U	238	68059.485	3.254	0.188	11.97542	4.12	ug/L
	Na	23	4196379.902	7.270	20.658	1.79861	8.71	mg/L
	Mg	24	4064832.779	1.537	20.122	2.48655	4.98	mg/L
	K	39	6338884.183	8.156	27.176	1.10955	11.41	mg/L
	Ca	44	4196366.736	4.907	20.631	24.21006	6.64	mg/L
	Fe	54	601726.656	6.229	2.846	1.28495	9.64	mg/L
>	Sc-1	45	202205.626	5.399	202205.626			mg/L
	Kr	83	99.334	13.100	-8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		96.311			
	Be	9			9.311		
	Al	27			7.999		
>	Sc	45		86.583			
	V	51			9.247		
	Cr	52			9.116		
	Mn	55			17.115		
	Co	59			9.548		
	Ni	60			9.515		
	Cu	65			9.420		
	Zn	66			12.062		
>	Ge	72		95.598			
	As	75			10.122		
	Se	82			10.042		
	Y	89					
	Mo	98			9.430		
	Ag	107			9.913		
	Cd	111			10.152		
	Cd	114					
>	In	115		87.181			
	Sb	121			10.180		
	Ba	135			10.107		
>	Tb	159		79.258			
	Ho	165					
	Tl	205			10.668		
	Pb	208			10.870		
	Bi	209					
	Th	232			11.336		
	U	238			11.566		
	Na	23			8.475		
	Mg	24			7.142		
	K	39			9.626		
	Ca	44			18.429		
	Fe	54			10.222		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-57 @5X

Sample Date/Time: Monday, November 29, 2010 11:52:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-57 @5X.7471
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24378.153	3.329	24378.153			ug/L
	Be	9	15.333	71.838	0.000	0.00603	864.59	ug/L
	Al	27	13910.822	4.937	0.019	1.26775	11.94	ug/L
>	Sc	45	197053.874	2.904	197053.874			ug/L
	V	51	4467.117	2.596	0.012	0.31334	9.48	ug/L
	Cr	52	14622.425	2.384	0.036	1.13597	7.36	ug/L
	Mn	55	2893587.523	3.343	14.682	324.19484	2.25	ug/L
	Co	59	-341.278	58.849	-0.002	-0.05824	47.55	ug/L
	Ni	60	-1017.067	39.598	-0.005	-0.66923	39.19	ug/L
	Cu	65	-852.275	19.375	-0.007	-0.84535	13.32	ug/L
	Zn	66	436859.988	1.855	1.877	443.05557	4.03	ug/L
>	Ge	72	232461.066	2.428	232461.066			ug/L
	As	75	124.932	58.249	0.001	0.10015	62.71	ug/L
	Se	82	132.668	9.087	0.000	0.13891	89.49	ug/L
	Y	89	409141.170	3.829	-55841.312			ug/L
	Mo	98	8341.584	1.883	0.026	2.42187	2.17	ug/L
	Ag	107	444.016	14.238	0.001	0.04469	33.00	ug/L
	Cd	111	2494.999	1.070	0.007	2.19496	1.22	ug/L
	Cd	114	5370.640	0.940	0.017	2.25940	0.47	mg/L
>	In	115	311072.041	0.481	311072.041			ug/L
	Sb	121	243.338	5.773	0.000	0.04010	10.63	ug/L
	Ba	135	3114.111	6.369	0.009	3.81546	2.79	ug/L
>	Tb	159	356093.227	3.591	356093.227			ug/L
	Ho	165	320148.842	1.132	0.000			ug/L
	Tl	205	162.002	13.066	0.000	0.00754	74.37	ug/L
	Pb	208	254.669	10.006	-0.000	-0.00056	918.26	ug/L
	Bi	209	138238.410	1.866	0.053			ug/L
	Th	232	414.014	6.967	0.001	0.05669	7.51	ug/L
	U	238	4693.763	3.221	0.013	0.82898	5.33	ug/L
	Na	23	4706548.473	3.474	23.749	2.06775	0.93	mg/L
	Mg	24	5989984.316	7.983	30.365	3.75222	6.16	mg/L
	K	39	2436885.909	4.510	8.127	0.33179	5.65	mg/L
	Ca	44	7482741.065	3.647	37.825	44.38698	3.54	mg/L
	Fe	54	27734.560	3.623	0.003	0.00137	107.19	mg/L
>	Sc-1	45	197053.874	2.904	197053.874			mg/L
	Kr	83	121.335	15.580	14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.620			
	Be	9					
	Al	27					
>	Sc	45		84.377			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		94.576			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.614			
	Sb	121					
	Ba	135					
>	Tb	159		78.135			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-60 @5X

Sample Date/Time: Monday, November 29, 2010 11:55:36
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-60 @5X.7472
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27903.585	4.955	27903.585			ug/L
	Be	9	8.000	90.139	-0.000	-0.03287	102.01	ug/L
	Al	27	14950.556	4.954	0.015	1.03466	33.81	ug/L
>	Sc	45	222950.673	3.130	222950.673			ug/L
	V	51	4670.305	5.357	0.010	0.26846	17.37	ug/L
	Cr	52	15431.062	5.330	0.031	0.98141	18.81	ug/L
	Mn	55	414701.050	2.241	1.857	41.00876	0.90	ug/L
	Co	59	-264.415	67.194	-0.002	-0.04329	48.37	ug/L
	Ni	60	-479.787	38.254	-0.002	-0.29573	33.93	ug/L
	Cu	65	-77.566	77.002	-0.003	-0.35228	9.14	ug/L
	Zn	66	28516.919	1.496	0.113	26.73697	5.34	ug/L
>	Ge	72	245369.319	3.733	245369.319			ug/L
	As	75	177.502	46.821	0.001	0.13343	44.58	ug/L
	Se	82	151.335	7.515	0.000	0.22943	37.80	ug/L
	Y	89	446625.162	1.350	-18357.321			ug/L
	Mo	98	1260.136	1.404	0.003	0.31243	2.59	ug/L
	Ag	107	240.005	7.950	-0.000	-0.00404	124.98	ug/L
	Cd	111	342.217	8.947	0.000	0.12939	23.89	ug/L
	Cd	114	410.446	13.852	0.001	0.13820	20.01	mg/L
>	In	115	326281.406	2.954	326281.406			ug/L
	Sb	121	144.668	27.662	0.000	0.00806	135.26	ug/L
	Ba	135	10830.043	1.384	0.028	12.38588	0.74	ug/L
>	Tb	159	385785.876	1.876	385785.876			ug/L
	Ho	165	343847.445	2.887	-0.008			ug/L
	Tl	205	118.001	33.343	-0.000	-0.00478	174.06	ug/L
	Pb	208	236.668	13.688	-0.000	-0.00690	68.12	ug/L
	Bi	209	143208.360	1.548	0.036			ug/L
	Th	232	268.672	8.234	0.000	0.02761	10.51	ug/L
	U	238	756.046	8.202	0.002	0.11484	10.28	ug/L
	Na	23	2076583.247	5.500	9.176	0.79893	2.46	mg/L
	Mg	24	2924218.988	1.050	13.112	1.62032	4.09	mg/L
	K	39	1898773.119	4.541	4.284	0.17490	12.31	mg/L
	Ca	44	2426459.166	8.673	10.719	12.57873	6.99	mg/L
	Fe	54	31818.139	1.927	0.005	0.00230	100.47	mg/L
>	Sc-1	45	222950.673	3.130	222950.673			mg/L
	Kr	83	120.001	9.280	12.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		108.303			
	Be	9					
	Al	27					
>	Sc	45		95.466			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.827			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.947			
	Sb	121					
	Ba	135					
>	Tb	159		84.650			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-63 @5X

Sample Date/Time: Monday, November 29, 2010 11:58:25
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-63 @5X.7473
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27205.108	2.650	27205.108			ug/L
	Be	9	8.667	70.501	-0.000	-0.02966	93.50	ug/L
	Al	27	12447.721	2.373	0.002	0.14691	90.48	ug/L
>	Sc	45	230149.703	3.932	230149.703			ug/L
	V	51	5371.273	0.686	0.013	0.33095	6.17	ug/L
	Cr	52	17122.111	3.839	0.036	1.14097	2.84	ug/L
	Mn	55	437115.549	1.992	1.898	41.91169	4.54	ug/L
	Co	59	-259.021	55.791	-0.002	-0.04209	41.77	ug/L
	Ni	60	-517.070	21.656	-0.003	-0.30901	21.84	ug/L
	Cu	65	-182.217	45.628	-0.003	-0.40860	11.65	ug/L
	Zn	66	27930.303	2.871	0.109	25.66442	3.93	ug/L
>	Ge	72	249828.943	0.960	249828.943			ug/L
	As	75	117.707	93.554	0.000	0.08666	97.54	ug/L
	Se	82	124.668	25.179	-0.000	-0.00565	4422.52	ug/L
	Y	89	440351.958	3.338	-24630.524			ug/L
	Mo	98	1165.013	2.635	0.003	0.28018	2.42	ug/L
	Ag	107	184.003	6.522	-0.000	-0.01685	14.27	ug/L
	Cd	111	326.588	7.252	0.000	0.11011	18.61	ug/L
	Cd	114	347.565	2.724	0.001	0.10984	3.20	mg/L
>	In	115	331629.915	0.732	331629.915			ug/L
	Sb	121	110.668	9.096	-0.000	-0.00221	124.55	ug/L
	Ba	135	10500.147	1.097	0.027	12.00998	2.19	ug/L
>	Tb	159	385743.053	1.763	385743.053			ug/L
	Ho	165	346621.379	0.760	-0.001			ug/L
	Tl	205	113.334	24.474	-0.000	-0.00574	108.74	ug/L
	Pb	208	168.668	16.143	-0.000	-0.01769	22.12	ug/L
	Bi	209	139974.419	1.859	0.027			ug/L
	Th	232	242.671	16.200	0.000	0.02338	24.23	ug/L
	U	238	778.715	6.026	0.002	0.11857	7.87	ug/L
	Na	23	2028220.183	6.189	8.702	0.75767	10.36	mg/L
	Mg	24	2915913.461	2.734	12.666	1.56511	4.12	mg/L
	K	39	1952712.039	3.485	4.246	0.17334	3.32	mg/L
	Ca	44	2523875.055	4.724	10.826	12.70366	7.29	mg/L
	Fe	54	30720.418	1.210	-0.004	-0.00183	172.99	mg/L
>	Sc-1	45	230149.703	3.932	230149.703			mg/L
	Kr	83	138.002	18.841	30.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		105.592			
	Be	9					
	Al	27					
>	Sc	45		98.549			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.642			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.470			
	Sb	121					
	Ba	135					
>	Tb	159		84.641			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-66 @5X

Sample Date/Time: Monday, November 29, 2010 12:01:13
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-66 @5X.7474
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	28853.796	1.673	28853.796			ug/L
	Be	9	4.667	98.974	-0.000	-0.04914	38.47	ug/L
	Al	27	12341.552	7.465	0.001	0.07467	412.93	ug/L
>	Sc	45	232763.071	2.713	232763.071			ug/L
	V	51	2814.630	7.075	0.001	0.03490	87.57	ug/L
	Cr	52	9743.594	3.128	0.004	0.11785	66.32	ug/L
	Mn	55	1653.224	1.612	0.004	0.08604	2.22	ug/L
	Co	59	413.014	3.746	0.001	0.03455	2.98	ug/L
	Ni	60	62.334	28.805	0.000	0.00203	514.49	ug/L
	Cu	65	323.175	10.286	-0.001	-0.13812	16.17	ug/L
	Zn	66	626.698	5.677	-0.001	-0.13626	15.14	ug/L
>	Ge	72	250707.427	2.490	250707.427			ug/L
	As	75	95.777	30.658	0.000	0.06968	34.07	ug/L
	Se	82	126.001	6.919	0.000	0.00317	3008.03	ug/L
	Y	89	450337.591	2.511	-14644.891			ug/L
	Mo	98	96.905	15.632	-0.000	-0.01546	30.73	ug/L
	Ag	107	153.335	4.193	-0.000	-0.02303	3.81	ug/L
	Cd	111	178.089	8.422	-0.000	-0.02069	79.82	ug/L
	Cd	114	74.694	42.835	0.000	0.00115	1134.49	mg/L
>	In	115	328234.451	1.884	328234.451			ug/L
	Sb	121	94.001	5.629	-0.000	-0.00666	22.06	ug/L
	Ba	135	32.667	19.681	-0.000	-0.02193	34.77	ug/L
>	Tb	159	398203.013	2.478	398203.013			ug/L
	Ho	165	353228.852	1.177	-0.012			ug/L
	Tl	205	89.334	16.804	-0.000	-0.01148	27.65	ug/L
	Pb	208	230.669	26.588	-0.000	-0.00892	109.13	ug/L
	Bi	209	139976.799	0.318	0.016			ug/L
	Th	232	207.337	13.097	0.000	0.01676	29.74	ug/L
	U	238	17.333	74.182	-0.000	-0.00707	29.79	ug/L
	Na	23	23211.095	5.119	-0.034	-0.00295	23.31	mg/L
	Mg	24	4311.605	34.582	0.004	0.00047	178.97	mg/L
	K	39	940283.899	1.639	-0.199	-0.00812	68.35	mg/L
	Ca	44	31590.974	0.734	-0.021	-0.02475	22.02	mg/L
	Fe	54	29270.088	4.880	-0.012	-0.00532	81.99	mg/L
>	Sc-1	45	232763.071	2.713	232763.071			mg/L
	Kr	83	103.334	11.341	-4.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		111.991			
	Be	9					
	Al	27					
>	Sc	45		99.668			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.999			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.503			
	Sb	121					
	Ba	135					
>	Tb	159		87.375			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-69 @5X

Sample Date/Time: Monday, November 29, 2010 12:04:02
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-69 @5X.7475
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	24384.201	4.368	24384.201			ug/L
	Be	9	10.000	40.000	-0.000	-0.01865	116.78	ug/L
	Al	27	13624.859	4.955	0.019	1.30779	20.46	ug/L
>	Sc	45	191634.264	4.658	191634.264			ug/L
	V	51	3719.853	5.604	0.009	0.22799	17.96	ug/L
	Cr	52	12659.490	4.278	0.028	0.87884	4.31	ug/L
	Mn	55	2969663.342	6.237	15.498	342.21733	5.04	ug/L
	Co	59	141.795	172.702	0.000	0.00740	443.50	ug/L
	Ni	60	-937.645	41.144	-0.005	-0.63169	37.14	ug/L
	Cu	65	-1015.280	21.321	-0.008	-0.96247	12.70	ug/L
	Zn	66	432786.026	3.301	1.935	456.72502	1.49	ug/L
>	Ge	72	223234.315	1.902	223234.315			ug/L
	As	75	99.167	33.392	0.000	0.08130	35.01	ug/L
	Se	82	124.668	14.379	0.000	0.11318	142.77	ug/L
	Y	89	403857.627	2.408	-61124.856			ug/L
	Mo	98	8064.629	3.091	0.027	2.43860	1.03	ug/L
	Ag	107	126.668	8.978	-0.000	-0.02601	12.65	ug/L
	Cd	111	2497.973	6.146	0.008	2.29516	4.30	ug/L
	Cd	114	5050.904	5.641	0.017	2.21179	4.15	mg/L
>	In	115	298665.656	2.188	298665.656			ug/L
	Sb	121	189.336	2.199	0.000	0.02615	10.07	ug/L
	Ba	135	2970.040	3.849	0.008	3.70555	4.23	ug/L
>	Tb	159	349826.166	1.713	349826.166			ug/L
	Ho	165	312784.408	2.654	-0.006			ug/L
	Tl	205	145.335	20.658	0.000	0.00419	165.73	ug/L
	Pb	208	170.001	13.568	-0.000	-0.01471	23.86	ug/L
	Bi	209	136883.457	0.791	0.056			ug/L
	Th	232	261.339	9.988	0.000	0.03075	12.90	ug/L
	U	238	4686.423	1.938	0.013	0.84190	1.84	ug/L
	Na	23	4742969.883	10.296	24.600	2.14185	7.95	mg/L
	Mg	24	6085283.768	7.654	31.723	3.92002	4.53	mg/L
	K	39	2573731.821	4.002	9.200	0.37561	5.88	mg/L
	Ca	44	7588768.997	11.754	39.395	46.22851	8.92	mg/L
	Fe	54	29031.465	10.808	0.014	0.00624	108.90	mg/L
>	Sc-1	45	191634.264	4.658	191634.264			mg/L
	Kr	83	133.335	12.490	26.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.643			
	Be	9					
	Al	27					
>	Sc	45		82.057			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		90.822			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.080			
	Sb	121					
	Ba	135					
>	Tb	159		76.760			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-72 @5X

Sample Date/Time: Monday, November 29, 2010 12:06:50
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-72 @5X.7476
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25618.408	1.805	25618.408			ug/L
	Be	9	12.000	44.096	-0.000	-0.01238	195.45	ug/L
	Al	27	12943.397	3.113	0.014	0.93694	54.71	ug/L
>	Sc	45	198210.480	8.529	198210.480			ug/L
	V	51	3766.488	8.194	0.008	0.21652	6.03	ug/L
	Cr	52	12423.678	3.261	0.025	0.77965	18.67	ug/L
	Mn	55	3029048.074	7.254	15.291	337.64441	1.71	ug/L
	Co	59	202.851	145.656	0.000	0.01269	307.78	ug/L
	Ni	60	-1024.039	30.308	-0.005	-0.67069	29.01	ug/L
	Cu	65	-1065.472	9.284	-0.008	-0.97721	8.76	ug/L
	Zn	66	442292.271	2.786	1.937	457.21111	0.62	ug/L
>	Ge	72	227940.227	2.845	227940.227			ug/L
	As	75	80.455	141.923	0.000	0.06245	153.39	ug/L
	Se	82	122.001	17.732	0.000	0.06731	281.74	ug/L
	Y	89	409598.780	2.625	-55383.702			ug/L
	Mo	98	8342.037	4.070	0.027	2.50412	3.43	ug/L
	Ag	107	124.001	2.794	-0.000	-0.02690	4.62	ug/L
	Cd	111	2476.452	3.848	0.008	2.25622	3.88	ug/L
	Cd	114	5197.554	1.671	0.017	2.25974	0.33	mg/L
>	In	115	301011.207	1.762	301011.207			ug/L
	Sb	121	172.002	14.098	0.000	0.02024	38.40	ug/L
	Ba	135	2912.679	4.403	0.008	3.55142	5.58	ug/L
>	Tb	159	357867.777	2.542	357867.777			ug/L
	Ho	165	323924.111	1.130	0.006			ug/L
	Tl	205	140.668	13.438	0.000	0.00243	205.99	ug/L
	Pb	208	166.001	17.376	-0.000	-0.01593	35.23	ug/L
	Bi	209	136542.458	3.329	0.046			ug/L
	Th	232	258.005	7.476	0.000	0.02919	12.63	ug/L
	U	238	4676.417	3.040	0.013	0.82152	4.96	ug/L
	Na	23	4453228.343	2.377	22.440	1.95379	8.59	mg/L
	Mg	24	5684423.894	0.362	28.805	3.55944	8.59	mg/L
	K	39	2227479.081	0.887	7.049	0.28780	12.98	mg/L
	Ca	44	7573205.126	4.121	38.152	44.77041	4.66	mg/L
	Fe	54	24792.687	8.142	-0.013	-0.00569	5.20	mg/L
>	Sc-1	45	198210.480	8.529	198210.480			mg/L
	Kr	83	112.668	16.494	5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.434			
	Be	9					
	Al	27					
>	Sc	45		84.873			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		92.737			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.748			
	Sb	121					
	Ba	135					
>	Tb	159		78.525			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, November 29, 2010 12:09:38
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7477
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30040.736	3.116	30040.736			ug/L
	Be	9	10.000	40.000	-0.000	-0.02808	60.93	ug/L
	Al	27	15111.610	4.975	0.011	0.72020	15.38	ug/L
>	Sc	45	241547.038	2.970	241547.038			ug/L
	V	51	2863.211	1.068	0.001	0.02835	44.85	ug/L
	Cr	52	9959.267	2.967	0.003	0.09816	79.54	ug/L
	Mn	55	1197.318	8.194	0.002	0.03873	26.14	ug/L
	Co	59	130.775	9.073	0.000	0.00214	78.73	ug/L
	Ni	60	40.773	21.645	-0.000	-0.01032	43.35	ug/L
	Cu	65	354.064	15.310	-0.001	-0.12933	17.93	ug/L
	Zn	66	644.033	1.242	-0.001	-0.13356	12.96	ug/L
>	Ge	72	256723.460	3.019	256723.460			ug/L
	As	75	101.526	102.795	0.000	0.07069	105.74	ug/L
	Se	82	118.001	16.949	-0.000	-0.08264	202.21	ug/L
	Y	89	479031.085	2.865	14048.603			ug/L
	Mo	98	79.425	19.782	-0.000	-0.02149	20.73	ug/L
	Ag	107	136.668	11.081	-0.000	-0.02811	8.30	ug/L
	Cd	111	212.473	5.806	0.000	0.00082	1843.23	ug/L
	Cd	114	41.592	77.669	-0.000	-0.01293	97.70	mg/L
>	In	115	345501.756	2.603	345501.756			ug/L
	Sb	121	26.667	17.321	-0.000	-0.02641	4.00	ug/L
	Ba	135	19.333	47.781	-0.000	-0.03715	27.18	ug/L
>	Tb	159	404021.768	1.568	404021.768			ug/L
	Ho	165	365150.012	2.478	0.004			ug/L
	Tl	205	91.334	14.078	-0.000	-0.01135	23.23	ug/L
	Pb	208	212.001	9.291	-0.000	-0.01230	23.22	ug/L
	Bi	209	145368.366	2.301	0.024			ug/L
	Th	232	200.003	7.810	0.000	0.01508	15.76	ug/L
	U	238	20.667	47.738	-0.000	-0.00661	23.37	ug/L
	Na	23	20085.296	51.792	-0.050	-0.00433	93.29	mg/L
	Mg	24	3388.925	10.207	-0.001	-0.00009	200.60	mg/L
	K	39	993171.599	1.498	-0.125	-0.00511	148.28	mg/L
	Ca	44	32047.289	0.759	-0.024	-0.02833	17.79	mg/L
	Fe	54	31118.911	1.319	-0.009	-0.00398	38.23	mg/L
>	Sc-1	45	241547.038	2.970	241547.038			mg/L
	Kr	83	98.667	11.164	-8.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		116.598			
	Be	9					
	Al	27					
>	Sc	45		103.429			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		104.447			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.422			
	Sb	121					
	Ba	135					
>	Tb	159		88.652			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Monday, November 29, 2010 12:12:26
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7478
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	33158.451	3.159	33158.451			ug/L
	Be	9	13141.197	8.257	0.396	47.57771	7.29	ug/L
	Al	27	1103705.694	4.575	4.201	286.19187	8.32	ug/L
>	Sc	45	260063.641	3.942	260063.641			ug/L
	V	51	484979.405	3.989	1.856	48.85430	5.56	ug/L
	Cr	52	410149.749	4.632	1.542	48.53553	7.79	ug/L
	Mn	55	576411.948	4.673	2.214	48.87822	3.43	ug/L
	Co	59	465832.322	2.596	1.792	47.14113	2.13	ug/L
	Ni	60	100238.167	2.648	0.386	47.47708	4.59	ug/L
	Cu	65	98504.246	3.585	0.377	46.51799	5.89	ug/L
	Zn	66	58274.432	1.051	0.221	52.25892	1.60	ug/L
>	Ge	72	259619.062	2.399	259619.062			ug/L
	As	75	65419.329	1.128	0.252	48.26515	1.36	ug/L
	Se	82	6545.427	2.832	0.025	49.27156	4.63	ug/L
	Y	89	458067.763	2.524	-6914.719			ug/L
	Mo	98	192666.992	0.250	0.553	50.84677	2.60	ug/L
	Ag	107	249114.382	2.132	0.715	50.39362	3.04	ug/L
	Cd	111	60552.419	0.703	0.173	51.38675	2.85	ug/L
	Cd	114	129901.243	2.634	0.373	49.44019	1.62	mg/L
>	In	115	348092.511	2.519	348092.511			ug/L
	Sb	121	189867.843	2.344	0.545	51.41901	3.37	ug/L
	Ba	135	49021.504	0.707	0.114	50.68559	0.19	ug/L
>	Tb	159	428210.447	0.766	428210.447			ug/L
	Ho	165	380304.642	1.236	-0.012			ug/L
	Tl	205	262124.691	4.459	0.612	50.25109	4.43	ug/L
	Pb	208	352333.123	1.012	0.822	50.33480	0.62	ug/L
	Bi	209	146171.126	1.566	0.006			ug/L
	Th	232	345456.667	1.215	0.806	50.27083	0.51	ug/L
	U	238	343155.929	2.983	0.801	50.93462	2.54	ug/L
	Na	23	17125144.747	5.777	65.690	5.71952	2.60	mg/L
	Mg	24	12107477.648	2.679	46.618	5.76072	6.47	mg/L
	K	39	33605632.338	6.224	125.146	5.10944	8.01	mg/L
	Ca	44	1164573.994	3.224	4.322	5.07178	0.91	mg/L
	Fe	54	2924807.146	1.892	11.115	5.01870	2.36	mg/L
>	Sc-1	45	260063.641	3.942	260063.641			mg/L
	Kr	83	126.001	11.111	18.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		128.699			
	Be	9	95.155				
	Al	27	114.477				
>	Sc	45		111.358			
	V	51	97.709				
	Cr	52	97.071				
	Mn	55	97.756				
	Co	59	94.282				
	Ni	60	94.954				
	Cu	65	93.036				
	Zn	66	104.518				
>	Ge	72		105.625			
	As	75	96.530				
	Se	82	98.543				
	Y	89					
	Mo	98	101.694				
	Ag	107	100.787				
	Cd	111	102.774				
	Cd	114					
>	In	115		99.160			
	Sb	121	102.838				
	Ba	135	101.371				
>	Tb	159		93.959			
	Ho	165					
	Tl	205	100.502				
	Pb	208	100.670				
	Bi	209					
	Th	232	100.542				
	U	238	101.869				
	Na	23	114.390				
	Mg	24	115.214				
	K	39	102.189				
	Ca	44	101.436				
	Fe	54	100.374				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Monday, November 29, 2010 12:15:27
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7479
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30498.914	1.693	30498.914			ug/L
	Be	9	12.667	18.232	-0.000	-0.01849	49.88	ug/L
	Al	27	16858.210	10.645	0.016	1.12114	45.02	ug/L
>	Sc	45	246631.195	5.068	246631.195			ug/L
	V	51	2710.337	6.119	0.000	0.00578	371.47	ug/L
	Cr	52	9296.916	3.745	-0.000	-0.01260	594.33	ug/L
	Mn	55	877.831	4.325	0.000	0.00785	49.68	ug/L
	Co	59	198.490	10.850	0.000	0.00901	15.05	ug/L
	Ni	60	87.821	7.929	0.000	0.01292	44.10	ug/L
	Cu	65	895.308	3.133	0.001	0.13956	26.57	ug/L
	Zn	66	872.728	4.528	0.001	0.11989	46.90	ug/L
>	Ge	72	243757.672	2.478	243757.672			ug/L
	As	75	54.252	52.508	0.000	0.03855	56.00	ug/L
	Se	82	117.334	3.548	-0.000	-0.04087	25.01	ug/L
	Y	89	456015.292	0.917	-8967.190			ug/L
	Mo	98	450.546	15.878	0.001	0.07577	27.91	ug/L
	Ag	107	644.700	2.675	0.001	0.07367	4.96	ug/L
	Cd	111	265.817	1.998	0.000	0.04315	22.19	ug/L
	Cd	114	102.595	22.275	0.000	0.00984	94.55	mg/L
>	In	115	350573.992	2.265	350573.992			ug/L
	Sb	121	341.343	6.481	0.001	0.05809	6.74	ug/L
	Ba	135	55.334	42.203	-0.000	-0.00110	2206.54	ug/L
>	Tb	159	428246.356	0.317	428246.356			ug/L
	Ho	165	384294.932	0.996	-0.002			ug/L
	Tl	205	183.336	17.052	0.000	0.00526	115.92	ug/L
	Pb	208	364.004	6.885	0.000	0.00761	45.34	ug/L
	Bi	209	148493.644	1.690	0.011			ug/L
	Th	232	324.008	11.433	0.001	0.03139	17.27	ug/L
	U	238	82.667	26.540	0.000	0.00242	135.89	ug/L
	Na	23	41276.721	4.727	0.034	0.00293	11.68	mg/L
	Mg	24	5615.872	10.098	0.008	0.00098	17.03	mg/L
	K	39	1102226.622	4.358	0.238	0.00972	140.50	mg/L
	Ca	44	30678.451	1.352	-0.032	-0.03787	21.72	mg/L
	Fe	54	32291.622	5.076	-0.006	-0.00286	211.21	mg/L
>	Sc-1	45	246631.195	5.068	246631.195			mg/L
	Kr	83	113.334	11.482	6.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		118.376			
	Be	9					
	Al	27					
>	Sc	45		105.606			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.172			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.867			
	Sb	121					
	Ba	135					
>	Tb	159		93.967			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-75 @5X

Sample Date/Time: Monday, November 29, 2010 12:18:29
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-75 @5X.7480
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	25846.140	6.318	25846.140			ug/L
	Be	9	10.000	34.641	-0.000	-0.02206	67.86	ug/L
	Al	27	14302.544	13.477	0.016	1.10991	34.54	ug/L
>	Sc	45	209128.076	7.003	209128.076			ug/L
	V	51	3954.932	13.015	0.008	0.21393	24.96	ug/L
	Cr	52	13189.971	8.581	0.025	0.78692	20.04	ug/L
	Mn	55	3167040.355	3.331	15.188	335.36587	7.52	ug/L
	Co	59	-208.622	189.828	-0.001	-0.03946	123.82	ug/L
	Ni	60	-941.158	51.612	-0.005	-0.59784	51.85	ug/L
	Cu	65	-858.730	7.037	-0.007	-0.81854	5.79	ug/L
	Zn	66	469229.931	1.287	1.983	468.02617	4.41	ug/L
>	Ge	72	236504.994	4.061	236504.994			ug/L
	As	75	114.028	36.978	0.000	0.08797	34.98	ug/L
	Se	82	144.668	8.995	0.000	0.22152	62.90	ug/L
	Y	89	421621.425	4.529	-43361.057			ug/L
	Mo	98	8604.769	4.477	0.027	2.47534	5.66	ug/L
	Ag	107	222.671	7.260	-0.000	-0.00602	52.25	ug/L
	Cd	111	2594.994	4.114	0.008	2.26670	5.69	ug/L
	Cd	114	5469.721	2.249	0.017	2.27860	2.07	mg/L
>	In	115	314186.128	1.233	314186.128			ug/L
	Sb	121	230.671	9.590	0.000	0.03555	18.01	ug/L
	Ba	135	3012.060	4.285	0.008	3.55530	2.82	ug/L
>	Tb	159	369367.336	1.740	369367.336			ug/L
	Ho	165	332107.995	1.587	-0.000			ug/L
	Tl	205	148.668	8.958	0.000	0.00318	112.01	ug/L
	Pb	208	242.669	11.250	-0.000	-0.00419	107.53	ug/L
	Bi	209	136952.312	1.009	0.035			ug/L
	Th	232	238.005	10.729	0.000	0.02444	20.45	ug/L
	U	238	4520.301	0.604	0.012	0.76831	1.56	ug/L
	Na	23	4772422.879	12.306	22.638	1.97103	5.92	mg/L
	Mg	24	6706472.052	10.184	32.036	3.95872	5.76	mg/L
	K	39	2500351.692	7.442	7.749	0.31636	14.72	mg/L
	Ca	44	8171975.285	5.697	38.945	45.70048	1.66	mg/L
	Fe	54	26129.239	6.059	-0.013	-0.00567	61.92	mg/L
>	Sc-1	45	209128.076	7.003	209128.076			mg/L
	Kr	83	109.334	12.978	2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		100.317			
	Be	9					
	Al	27					
>	Sc	45		89.547			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		96.221			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		89.501			
	Sb	121					
	Ba	135					
>	Tb	159		81.048			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-78 @5X

Sample Date/Time: Monday, November 29, 2010 12:21:17
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-78 @5X.7481
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	26338.100	3.855	26338.100			ug/L
	Be	9	7.333	103.253	-0.000	-0.03574	91.43	ug/L
	Al	27	14202.288	12.607	0.017	1.14567	46.29	ug/L
>	Sc	45	206261.822	2.029	206261.822			ug/L
	V	51	3746.356	4.959	0.007	0.19400	7.24	ug/L
	Cr	52	12777.730	4.191	0.024	0.74834	5.59	ug/L
	Mn	55	3163155.556	3.485	15.336	338.62761	3.84	ug/L
	Co	59	525.913	115.326	0.002	0.05416	141.92	ug/L
	Ni	60	-709.063	93.250	-0.004	-0.45795	88.28	ug/L
	Cu	65	-387.922	57.259	-0.004	-0.54397	25.23	ug/L
	Zn	66	471951.917	4.015	1.980	467.19354	3.78	ug/L
>	Ge	72	238016.837	0.314	238016.837			ug/L
	As	75	58.559	42.792	0.000	0.04338	46.75	ug/L
	Se	82	117.334	14.893	-0.000	-0.01772	816.16	ug/L
	Y	89	419794.857	4.522	-45187.625			ug/L
	Mo	98	9009.698	1.999	0.029	2.68232	1.81	ug/L
	Ag	107	150.002	4.000	-0.000	-0.02116	5.98	ug/L
	Cd	111	2666.245	2.308	0.008	2.41829	2.18	ug/L
	Cd	114	5507.117	0.377	0.018	2.37334	0.22	mg/L
>	In	115	303853.644	0.364	303853.644			ug/L
	Sb	121	244.005	15.313	0.000	0.04204	27.26	ug/L
	Ba	135	2941.359	3.590	0.008	3.54847	4.03	ug/L
>	Tb	159	361541.455	1.658	361541.455			ug/L
	Ho	165	323008.126	0.769	-0.006			ug/L
	Tl	205	140.668	12.422	0.000	0.00209	216.73	ug/L
	Pb	208	198.001	3.030	-0.000	-0.01089	9.26	ug/L
	Bi	209	135440.893	2.100	0.039			ug/L
	Th	232	256.672	10.377	0.000	0.02850	17.11	ug/L
	U	238	4692.428	0.342	0.013	0.81547	2.02	ug/L
	Na	23	4585754.225	2.818	22.099	1.92410	1.93	mg/L
	Mg	24	6121864.663	7.663	29.644	3.66316	5.75	mg/L
	K	39	2283548.668	2.338	6.831	0.27891	3.19	mg/L
	Ca	44	8087605.360	1.548	39.069	45.84699	3.23	mg/L
	Fe	54	26044.487	6.557	-0.012	-0.00519	54.29	mg/L
>	Sc-1	45	206261.822	2.029	206261.822			mg/L
	Kr	83	112.668	8.389	5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		102.227			
	Be	9					
	Al	27					
>	Sc	45		88.320			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		96.836			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.558			
	Sb	121					
	Ba	135					
>	Tb	159		79.331			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-81 @5X

Sample Date/Time: Monday, November 29, 2010 12:24:06
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-81 @5X.7482
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	27561.355	3.591	27561.355			ug/L
	Be	9	8.667	74.182	-0.000	-0.03058	92.93	ug/L
	Al	27	28415.074	78.943	0.078	5.32960	132.17	ug/L
>	Sc	45	219804.052	7.496	219804.052			ug/L
	V	51	3842.392	7.490	0.007	0.17739	22.55	ug/L
	Cr	52	12560.614	2.377	0.019	0.60440	23.22	ug/L
	Mn	55	3338065.733	5.440	15.212	335.88912	5.47	ug/L
	Co	59	353.815	119.652	0.001	0.02980	172.69	ug/L
	Ni	60	-945.872	11.246	-0.005	-0.56401	15.03	ug/L
	Cu	65	-1189.162	8.272	-0.008	-0.97858	4.15	ug/L
	Zn	66	469905.276	2.589	1.928	454.94153	2.54	ug/L
>	Ge	72	243373.472	0.781	243373.472			ug/L
	As	75	133.933	45.289	0.001	0.10177	47.60	ug/L
	Se	82	125.335	9.619	0.000	0.02685	395.89	ug/L
	Y	89	427669.951	3.232	-37312.531			ug/L
	Mo	98	9088.552	2.032	0.029	2.64298	1.01	ug/L
	Ag	107	148.002	11.546	-0.000	-0.02245	14.48	ug/L
	Cd	111	2580.116	2.478	0.008	2.27702	3.29	ug/L
	Cd	114	5474.420	5.407	0.017	2.30437	5.46	mg/L
>	In	115	311014.826	1.890	311014.826			ug/L
	Sb	121	189.336	4.398	0.000	0.02372	6.24	ug/L
	Ba	135	2858.654	1.761	0.008	3.44321	0.98	ug/L
>	Tb	159	361907.359	2.293	361907.359			ug/L
	Ho	165	324060.194	1.095	-0.004			ug/L
	Tl	205	150.669	14.069	0.000	0.00425	107.26	ug/L
	Pb	208	222.002	20.064	-0.000	-0.00679	117.06	ug/L
	Bi	209	137343.362	0.639	0.044			ug/L
	Th	232	219.337	9.224	0.000	0.02207	19.38	ug/L
	U	238	4492.949	2.807	0.012	0.78000	5.01	ug/L
	Na	23	4938148.488	4.409	22.368	1.94753	3.34	mg/L
	Mg	24	6077308.321	7.993	27.711	3.42424	9.47	mg/L
	K	39	2342499.466	4.848	6.468	0.26409	17.20	mg/L
	Ca	44	8307872.005	4.065	37.730	44.27524	5.65	mg/L
	Fe	54	27280.436	1.669	-0.013	-0.00596	63.31	mg/L
>	Sc-1	45	219804.052	7.496	219804.052			mg/L
	Kr	83	116.668	10.475	9.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		106.975			
	Be	9					
	Al	27					
>	Sc	45		94.119			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.015			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.598			
	Sb	121					
	Ba	135					
>	Tb	159		79.411			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-84 @5X

Sample Date/Time: Monday, November 29, 2010 12:26:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-84 @5X.7483
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	28332.084	1.701	28332.084			ug/L
	Be	9	19.333	48.888	0.000	0.01393	295.25	ug/L
	Al	27	22724.035	6.959	0.044	3.02101	13.78	ug/L
>	Sc	45	235912.486	2.110	235912.486			ug/L
	V	51	5178.293	3.682	0.011	0.29388	6.01	ug/L
	Cr	52	16567.968	5.056	0.032	1.00898	7.74	ug/L
	Mn	55	4773414.054	5.324	20.234	446.79286	5.36	ug/L
	Co	59	-4688.378	3.245	-0.020	-0.53522	3.78	ug/L
	Ni	60	-3337.186	5.058	-0.014	-1.77428	6.40	ug/L
	Cu	65	-2465.600	1.306	-0.013	-1.60087	1.86	ug/L
	Zn	66	50171.362	3.091	0.203	47.97853	3.57	ug/L
>	Ge	72	243136.623	0.986	243136.623			ug/L
	As	75	231.263	70.708	0.001	0.17874	72.36	ug/L
	Se	82	258.672	9.061	0.001	1.12095	18.19	ug/L
	Y	89	432897.359	2.234	-32085.124			ug/L
	Mo	98	4122.411	3.689	0.013	1.17163	4.13	ug/L
	Ag	107	139.335	4.385	-0.000	-0.02448	4.87	ug/L
	Cd	111	251.191	7.333	0.000	0.05681	28.53	ug/L
	Cd	114	256.303	4.058	0.001	0.07979	4.78	mg/L
>	In	115	312031.426	0.593	312031.426			ug/L
	Sb	121	118.001	6.111	0.000	0.00200	118.26	ug/L
	Ba	135	2301.090	2.547	0.006	2.70992	2.90	ug/L
>	Tb	159	368497.826	1.577	368497.826			ug/L
	Ho	165	329219.730	1.162	-0.006			ug/L
	Tl	205	128.668	16.179	-0.000	-0.00120	420.64	ug/L
	Pb	208	173.334	18.510	-0.000	-0.01559	35.49	ug/L
	Bi	209	134884.254	1.760	0.030			ug/L
	Th	232	183.336	5.491	0.000	0.01523	8.01	ug/L
	U	238	2794.626	4.544	0.007	0.47258	6.19	ug/L
	Na	23	5078667.674	3.020	21.391	1.86249	0.93	mg/L
	Mg	24	10463233.125	6.037	44.329	5.47783	5.07	mg/L
	K	39	3208454.813	4.297	9.366	0.38239	7.70	mg/L
	Ca	44	10148015.118	3.288	42.854	50.28772	1.63	mg/L
	Fe	54	65458.326	2.062	0.140	0.06312	4.19	mg/L
>	Sc-1	45	235912.486	2.110	235912.486			mg/L
	Kr	83	110.668	9.954	3.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		109.966			
	Be	9					
	Al	27					
>	Sc	45		101.016			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.919			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.887			
	Sb	121					
	Ba	135					
>	Tb	159		80.857			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-87 @5X

Sample Date/Time: Monday, November 29, 2010 12:29:42
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-87 @5X.7484
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	29602.612	1.146	29602.612			ug/L
	Be	9	10.667	39.031	-0.000	-0.02516	66.50	ug/L
	Al	27	19002.861	2.927	0.028	1.92759	5.00	ug/L
>	Sc	45	236878.165	4.636	236878.165			ug/L
	V	51	3955.348	2.545	0.006	0.15650	18.82	ug/L
	Cr	52	12852.539	2.296	0.016	0.50986	20.56	ug/L
	Mn	55	3717074.457	1.132	15.713	346.95062	5.07	ug/L
	Co	59	222.678	108.315	0.000	0.01209	220.75	ug/L
	Ni	60	-1361.993	28.570	-0.006	-0.74468	31.25	ug/L
	Cu	65	-1433.627	8.836	-0.009	-1.05805	6.57	ug/L
	Zn	66	519529.699	2.954	2.049	483.49942	0.94	ug/L
>	Ge	72	253187.801	2.464	253187.801			ug/L
	As	75	97.011	52.898	0.000	0.06902	53.47	ug/L
	Se	82	127.335	4.799	0.000	0.00316	2074.34	ug/L
	Y	89	451714.289	4.038	-13268.193			ug/L
	Mo	98	9593.691	4.794	0.029	2.67700	2.61	ug/L
	Ag	107	126.001	11.111	-0.000	-0.02848	13.30	ug/L
	Cd	111	2771.313	1.363	0.008	2.35370	4.04	ug/L
	Cd	114	5653.579	2.335	0.017	2.28336	0.36	mg/L
>	In	115	324092.779	2.689	324092.779			ug/L
	Sb	121	210.670	11.445	0.000	0.02775	30.38	ug/L
	Ba	135	3058.749	3.432	0.008	3.55133	1.40	ug/L
>	Tb	159	375534.814	2.121	375534.814			ug/L
	Ho	165	337110.253	0.600	-0.002			ug/L
	Tl	205	152.669	7.215	0.000	0.00348	71.40	ug/L
	Pb	208	199.335	19.204	-0.000	-0.01183	58.80	ug/L
	Bi	209	141601.546	0.987	0.041			ug/L
	Th	232	210.004	11.547	0.000	0.01912	23.15	ug/L
	U	238	4474.268	1.756	0.012	0.74797	3.68	ug/L
	Na	23	5839610.950	3.666	24.575	2.13972	7.77	mg/L
	Mg	24	7879384.618	6.220	33.245	4.10821	3.89	mg/L
	K	39	2689482.982	4.392	7.135	0.29130	11.98	mg/L
	Ca	44	8863145.583	0.305	37.316	43.78995	4.93	mg/L
	Fe	54	29013.465	2.689	-0.015	-0.00683	26.15	mg/L
>	Sc-1	45	236878.165	4.636	236878.165			mg/L
	Kr	83	130.668	23.778	23.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		114.898			
	Be	9					
	Al	27					
>	Sc	45		101.430			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.008			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.323			
	Sb	121					
	Ba	135					
>	Tb	159		82.401			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-90 @5X

Sample Date/Time: Monday, November 29, 2010 12:32:31
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-90 @5X.7485
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30732.813	4.577	30732.813			ug/L
	Be	9	6.667	62.450	-0.000	-0.04189	41.20	ug/L
	Al	27	25160.218	26.431	0.047	3.22586	53.94	ug/L
>	Sc	45	253149.414	3.092	253149.414			ug/L
	V	51	4609.525	6.605	0.007	0.19614	22.25	ug/L
	Cr	52	15090.896	5.173	0.022	0.67842	22.81	ug/L
	Mn	55	3908764.981	1.015	15.445	341.04658	2.60	ug/L
	Co	59	181.636	297.526	0.000	0.00635	866.47	ug/L
	Ni	60	-1452.542	37.206	-0.006	-0.74007	36.07	ug/L
	Cu	65	-1489.357	8.144	-0.008	-1.03803	7.74	ug/L
	Zn	66	548767.795	0.955	2.118	499.80861	1.13	ug/L
>	Ge	72	258755.615	1.285	258755.615			ug/L
	As	75	114.325	5.850	0.000	0.08089	7.44	ug/L
	Se	82	134.001	5.381	0.000	0.03255	203.02	ug/L
	Y	89	455985.089	1.437	-8997.393			ug/L
	Mo	98	10232.098	1.405	0.031	2.80799	3.47	ug/L
	Ag	107	111.334	10.828	-0.000	-0.03215	8.43	ug/L
	Cd	111	2938.694	0.773	0.008	2.45766	2.64	ug/L
	Cd	114	6010.364	1.529	0.018	2.38512	0.51	mg/L
>	In	115	330024.951	2.028	330024.951			ug/L
	Sb	121	204.003	5.459	0.000	0.02459	8.18	ug/L
	Ba	135	3198.819	2.495	0.008	3.61112	2.87	ug/L
>	Tb	159	386527.482	2.801	386527.482			ug/L
	Ho	165	342965.725	2.510	-0.012			ug/L
	Tl	205	136.001	8.945	-0.000	-0.00104	201.33	ug/L
	Pb	208	179.334	17.072	-0.000	-0.01598	32.03	ug/L
	Bi	209	141377.606	2.155	0.030			ug/L
	Th	232	194.670	11.684	0.000	0.01570	29.28	ug/L
	U	238	4500.287	2.366	0.011	0.73106	5.27	ug/L
	Na	23	6232421.175	0.798	24.506	2.13366	3.94	mg/L
	Mg	24	8280280.177	2.379	32.699	4.04070	0.73	mg/L
	K	39	2848019.437	1.837	7.016	0.28646	5.45	mg/L
	Ca	44	9817582.548	2.689	38.642	45.34554	3.28	mg/L
	Fe	54	28882.071	5.613	-0.024	-0.01065	27.62	mg/L
>	Sc-1	45	253149.414	3.092	253149.414			mg/L
	Kr	83	120.668	16.098	13.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		119.284			
	Be	9					
	Al	27					
>	Sc	45		108.397			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		105.274			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.013			
	Sb	121					
	Ba	135					
>	Tb	159		84.813			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-93 @5X

Sample Date/Time: Monday, November 29, 2010 12:35:21
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-93 @5X.7486
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	31477.103	2.668	31477.103			ug/L
	Be	9	8.000	25.000	-0.000	-0.03790	20.16	ug/L
	Al	27	25914.535	8.453	0.047	3.17480	23.02	ug/L
>	Sc	45	263530.126	4.481	263530.126			ug/L
	V	51	4656.884	4.823	0.007	0.18254	24.01	ug/L
	Cr	52	15181.753	1.654	0.020	0.61533	17.14	ug/L
	Mn	55	4151353.653	2.719	15.758	347.95318	1.78	ug/L
	Co	59	396.286	20.482	0.001	0.02739	27.68	ug/L
	Ni	60	-1511.487	4.966	-0.006	-0.73921	8.61	ug/L
	Cu	65	-1504.460	3.525	-0.008	-1.01657	5.58	ug/L
	Zn	66	577213.691	3.418	2.201	519.46600	2.99	ug/L
>	Ge	72	261844.567	0.541	261844.567			ug/L
	As	75	132.607	61.993	0.000	0.09305	64.33	ug/L
	Se	82	144.002	13.679	0.000	0.09598	155.58	ug/L
	Y	89	472132.936	1.739	7150.454			ug/L
	Mo	98	10167.915	3.109	0.029	2.70443	1.17	ug/L
	Ag	107	111.334	13.483	-0.000	-0.03290	8.32	ug/L
	Cd	111	2985.805	2.577	0.008	2.42074	4.25	ug/L
	Cd	114	6191.283	1.585	0.018	2.38399	0.41	mg/L
>	In	115	340112.382	1.971	340112.382			ug/L
	Sb	121	205.337	19.513	0.000	0.02319	45.56	ug/L
	Ba	135	3303.541	4.952	0.008	3.64001	4.86	ug/L
>	Tb	159	395938.970	1.295	395938.970			ug/L
	Ho	165	351004.615	0.502	-0.013			ug/L
	Tl	205	146.002	18.531	0.000	0.00041	1439.10	ug/L
	Pb	208	208.002	33.530	-0.000	-0.01232	85.22	ug/L
	Bi	209	141300.938	1.329	0.021			ug/L
	Th	232	188.670	14.117	0.000	0.01391	28.28	ug/L
	U	238	4500.288	3.928	0.011	0.71299	4.95	ug/L
	Na	23	6293259.338	4.388	23.755	2.06833	3.15	mg/L
	Mg	24	8619727.326	3.175	32.733	4.04485	4.98	mg/L
	K	39	2962983.967	4.675	7.034	0.28717	14.74	mg/L
	Ca	44	10063880.934	2.633	38.053	44.65447	1.88	mg/L
	Fe	54	31958.585	3.737	-0.016	-0.00738	30.30	mg/L
>	Sc-1	45	263530.126	4.481	263530.126			mg/L
	Kr	83	120.668	11.642	13.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		122.173			
	Be	9					
	Al	27					
>	Sc	45		112.842			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		106.530			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.887			
	Sb	121					
	Ba	135					
>	Tb	159		86.878			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-96 @5X

Sample Date/Time: Monday, November 29, 2010 12:38:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-96 @5X.7487
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	32769.105	4.014	32769.105			ug/L
	Be	9	7.333	15.746	-0.000	-0.04147	11.35	ug/L
	Al	27	23158.182	2.924	0.040	2.73174	9.21	ug/L
>	Sc	45	251621.631	1.917	251621.631			ug/L
	V	51	4639.555	6.970	0.008	0.20198	21.31	ug/L
	Cr	52	15547.333	3.934	0.024	0.74500	14.30	ug/L
	Mn	55	4088891.489	6.829	16.242	358.63360	5.85	ug/L
	Co	59	733.493	47.510	0.002	0.06416	54.20	ug/L
	Ni	60	-1313.191	32.527	-0.005	-0.67427	31.24	ug/L
	Cu	65	-1503.410	2.886	-0.008	-1.04787	2.19	ug/L
	Zn	66	609450.906	3.166	2.326	548.98578	0.76	ug/L
>	Ge	72	261695.004	3.921	261695.004			ug/L
	As	75	102.859	104.351	0.000	0.07206	111.73	ug/L
	Se	82	137.335	16.879	0.000	0.04948	416.99	ug/L
	Y	89	464836.799	0.824	-145.683			ug/L
	Mo	98	10269.347	1.398	0.030	2.75001	1.69	ug/L
	Ag	107	110.001	3.636	-0.000	-0.03301	2.16	ug/L
	Cd	111	3221.466	2.904	0.009	2.64345	4.21	ug/L
	Cd	114	6731.465	3.963	0.020	2.61113	4.03	mg/L
>	In	115	337970.952	1.037	337970.952			ug/L
	Sb	121	202.670	9.885	0.000	0.02290	25.47	ug/L
	Ba	135	3385.586	6.958	0.008	3.72664	6.38	ug/L
>	Tb	159	396397.002	1.448	396397.002			ug/L
	Ho	165	352405.940	2.506	-0.011			ug/L
	Tl	205	139.335	22.529	-0.000	-0.00100	676.39	ug/L
	Pb	208	216.002	4.243	-0.000	-0.01104	17.08	ug/L
	Bi	209	141080.568	0.626	0.020			ug/L
	Th	232	165.336	7.088	0.000	0.01023	17.89	ug/L
	U	238	4526.306	3.048	0.011	0.71640	4.51	ug/L
	Na	23	6570290.558	4.925	25.981	2.26211	4.93	mg/L
	Mg	24	8861818.714	1.638	35.211	4.35110	2.23	mg/L
	K	39	2901114.720	1.764	7.294	0.29779	5.37	mg/L
	Ca	44	9974445.102	5.244	39.473	46.32042	4.02	mg/L
	Fe	54	32119.138	3.409	-0.010	-0.00453	53.90	mg/L
>	Sc-1	45	251621.631	1.917	251621.631			mg/L
	Kr	83	144.668	5.587	37.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		127.188			
	Be	9					
	Al	27					
>	Sc	45		107.743			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		106.469			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.277			
	Sb	121					
	Ba	135					
>	Tb	159		86.979			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-99 @5X

Sample Date/Time: Monday, November 29, 2010 12:40:58
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-99 @5X.7488
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	32849.459	2.111	32849.459			ug/L
	Be	9	32.000	18.750	0.000	0.04890	47.56	ug/L
	Al	27	45644.168	3.065	0.121	8.25470	9.23	ug/L
>	Sc	45	264043.043	4.001	264043.043			ug/L
	V	51	5108.312	4.701	0.009	0.22593	14.62	ug/L
	Cr	52	16778.510	3.531	0.025	0.80163	14.71	ug/L
	Mn	55	4246679.151	0.235	16.096	355.42227	3.78	ug/L
	Co	59	705.767	76.301	0.002	0.05764	89.57	ug/L
	Ni	60	-1067.368	48.456	-0.004	-0.53103	46.01	ug/L
	Cu	65	1641.715	18.589	0.004	0.45791	30.54	ug/L
	Zn	66	760305.279	1.801	2.929	691.17422	2.26	ug/L
>	Ge	72	259371.496	1.733	259371.496			ug/L
	As	75	269.684	23.052	0.001	0.19588	25.30	ug/L
	Se	82	162.002	14.238	0.000	0.24703	80.73	ug/L
	Y	89	463894.982	2.377	-1087.500			ug/L
	Mo	98	10102.033	1.784	0.029	2.65144	2.21	ug/L
	Ag	107	107.334	8.402	-0.000	-0.03400	5.16	ug/L
	Cd	111	4023.746	3.384	0.011	3.27739	2.67	ug/L
	Cd	114	8494.799	2.318	0.024	3.23856	2.86	mg/L
>	In	115	344632.963	0.894	344632.963			ug/L
	Sb	121	194.670	7.216	0.000	0.01959	18.49	ug/L
	Ba	135	3667.744	4.313	0.009	4.01383	2.24	ug/L
>	Tb	159	399108.177	2.118	399108.177			ug/L
	Ho	165	360869.234	0.395	0.005			ug/L
	Tl	205	140.668	15.662	-0.000	-0.00090	572.90	ug/L
	Pb	208	202.668	9.327	-0.000	-0.01329	26.54	ug/L
	Bi	209	142207.674	0.547	0.021			ug/L
	Th	232	147.335	10.888	0.000	0.00721	27.94	ug/L
	U	238	4366.192	2.830	0.011	0.68558	0.72	ug/L
	Na	23	6980133.285	4.765	26.302	2.29007	2.74	mg/L
	Mg	24	9021247.360	6.279	34.131	4.21760	2.31	mg/L
	K	39	2980336.401	2.011	7.064	0.28840	9.26	mg/L
	Ca	44	10046561.550	4.113	37.932	44.51277	5.68	mg/L
	Fe	54	269353.415	0.767	0.883	0.39884	4.07	mg/L
>	Sc-1	45	264043.043	4.001	264043.043			mg/L
	Kr	83	122.001	25.765	14.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		127.500			
	Be	9					
	Al	27					
>	Sc	45		113.062			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		105.524			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.174			
	Sb	121					
	Ba	135					
>	Tb	159		87.574			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, November 29, 2010 12:43:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011112
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7489
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	35224.111	8.412	35224.111			ug/L
	Be	9	12.000	16.667	-0.000	-0.02761	15.96	ug/L
	Al	27	15489.189	3.930	0.009	0.64529	42.64	ug/L
>	Sc	45	252483.214	4.217	252483.214			ug/L
	V	51	3048.337	8.175	0.001	0.03352	38.35	ug/L
	Cr	52	10721.857	1.721	0.004	0.13658	30.18	ug/L
	Mn	55	1498.590	22.017	0.003	0.06092	53.23	ug/L
	Co	59	150.482	66.690	0.000	0.00337	293.01	ug/L
	Ni	60	39.147	16.740	-0.000	-0.01192	33.43	ug/L
	Cu	65	277.246	16.630	-0.001	-0.17466	10.56	ug/L
	Zn	66	666.035	1.376	-0.000	-0.05711	44.33	ug/L
>	Ge	72	235239.532	3.922	235239.532			ug/L
	As	75	127.530	60.178	0.001	0.09850	60.78	ug/L
	Se	82	116.668	12.041	-0.000	-0.01324	681.04	ug/L
	Y	89	426807.992	2.294	-38174.490			ug/L
	Mo	98	78.603	5.817	-0.000	-0.02030	2.53	ug/L
	Ag	107	106.001	13.072	-0.000	-0.03287	6.73	ug/L
	Cd	111	199.152	3.913	0.000	0.00135	1025.38	ug/L
	Cd	114	68.346	15.854	-0.000	-0.00100	465.90	mg/L
>	In	115	323068.984	3.957	323068.984			ug/L
	Sb	121	30.667	3.765	-0.000	-0.02471	0.70	ug/L
	Ba	135	24.000	14.434	-0.000	-0.03378	9.36	ug/L
>	Tb	159	432337.808	1.643	432337.808			ug/L
	Ho	165	388113.335	0.677	-0.002			ug/L
	Tl	205	93.334	10.786	-0.000	-0.01217	17.25	ug/L
	Pb	208	178.668	4.661	-0.000	-0.01913	4.03	ug/L
	Bi	209	147379.104	1.822	0.005			ug/L
	Th	232	164.002	7.616	0.000	0.00786	17.98	ug/L
	U	238	34.000	35.294	-0.000	-0.00487	35.05	ug/L
	Na	23	16726.591	32.522	-0.068	-0.00588	30.59	mg/L
	Mg	24	3462.312	17.650	-0.001	-0.00013	276.79	mg/L
	K	39	1119511.140	1.986	0.197	0.00806	82.77	mg/L
	Ca	44	30089.606	1.825	-0.038	-0.04407	16.48	mg/L
	Fe	54	34683.763	3.567	-0.000	-0.00013	1337.76	mg/L
>	Sc-1	45	252483.214	4.217	252483.214			mg/L
	Kr	83	130.001	9.358	22.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		136.716			
	Be	9					
	Al	27					
>	Sc	45		108.112			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		95.706			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.032			
	Sb	121					
	Ba	135					
>	Tb	159		94.865			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Monday, November 29, 2010 12:46:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7490
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	33779.720	1.535	33779.720			ug/L
	Be	9	14796.163	1.522	0.438	52.60521	2.04	ug/L
	Al	27	1187473.655	6.064	4.675	318.48555	9.38	ug/L
>	Sc	45	251721.688	3.536	251721.688			ug/L
	V	51	497546.992	8.741	1.966	51.74521	7.82	ug/L
	Cr	52	415064.138	5.231	1.613	50.79103	7.93	ug/L
	Mn	55	569079.227	6.327	2.260	49.90811	7.89	ug/L
	Co	59	451020.085	2.033	1.792	47.15204	1.77	ug/L
	Ni	60	95866.022	5.509	0.381	46.89957	6.22	ug/L
	Cu	65	93625.103	2.917	0.370	45.65977	4.80	ug/L
	Zn	66	53863.296	3.540	0.230	54.20420	4.76	ug/L
>	Ge	72	231504.247	1.577	231504.247			ug/L
	As	75	58454.319	2.540	0.252	48.34975	1.24	ug/L
	Se	82	5694.598	5.122	0.024	48.00190	3.75	ug/L
	Y	89	397864.680	1.112	-67117.803			ug/L
	Mo	98	170188.596	3.339	0.543	49.86482	1.32	ug/L
	Ag	107	227842.314	1.161	0.726	51.19359	1.54	ug/L
	Cd	111	54501.640	1.207	0.173	51.37082	2.21	ug/L
	Cd	114	119651.814	1.291	0.382	50.59342	1.02	mg/L
>	In	115	313350.883	2.278	313350.883			ug/L
	Sb	121	172862.361	1.728	0.551	51.99533	2.13	ug/L
	Ba	135	46306.258	1.182	0.109	48.24645	1.98	ug/L
>	Tb	159	424976.931	1.342	424976.931			ug/L
	Ho	165	381888.238	1.542	-0.001			ug/L
	Tl	205	265072.827	1.148	0.623	51.20835	1.63	ug/L
	Pb	208	356407.909	0.707	0.838	51.31437	2.00	ug/L
	Bi	209	147755.538	0.803	0.012			ug/L
	Th	232	354634.304	2.741	0.834	51.99733	1.94	ug/L
	U	238	349174.318	2.438	0.821	52.22610	2.07	ug/L
	Na	23	18467112.638	3.125	73.238	6.37669	0.80	mg/L
	Mg	24	12816654.558	3.829	50.982	6.30000	7.11	mg/L
	K	39	33920508.266	6.535	130.749	5.33820	9.36	mg/L
	Ca	44	1133421.265	2.237	4.348	5.10263	3.11	mg/L
	Fe	54	2828333.916	6.935	11.122	5.02188	10.18	mg/L
>	Sc-1	45	251721.688	3.536	251721.688			mg/L
	Kr	83	84.667	3.608	-22.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		131.110			
	Be	9	105.210				
	Al	27	127.394				
>	Sc	45		107.786			
	V	51	103.490				
	Cr	52	101.582				
	Mn	55	99.816				
	Co	59	94.304				
	Ni	60	93.799				
	Cu	65	91.320				
	Zn	66	108.408				
>	Ge	72		94.187			
	As	75	96.700				
	Se	82	96.004				
	Y	89					
	Mo	98	99.730				
	Ag	107	102.387				
	Cd	111	102.742				
	Cd	114					
>	In	115		89.263			
	Sb	121	103.991				
	Ba	135	96.493				
>	Tb	159		93.250			
	Ho	165					
	Tl	205	102.417				
	Pb	208	102.629				
	Bi	209					
	Th	232	103.995				
	U	238	104.452				
	Na	23	127.534				
	Mg	24	126.000				
	K	39	106.764				
	Ca	44	102.053				
	Fe	54	100.438				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Monday, November 29, 2010 12:49:35
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7491
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	34253.621	1.405	34253.621			ug/L
	Be	9	14.667	43.835	-0.000	-0.01708	128.66	ug/L
	Al	27	18628.404	3.026	0.023	1.55236	20.25	ug/L
>	Sc	45	249548.844	3.744	249548.844			ug/L
	V	51	2728.523	7.648	0.000	0.00439	638.94	ug/L
	Cr	52	9433.811	7.920	-0.000	-0.00835	1555.99	ug/L
	Mn	55	995.516	12.808	0.001	0.01762	81.88	ug/L
	Co	59	192.290	24.798	0.000	0.00815	62.32	ug/L
	Ni	60	84.287	11.557	0.000	0.01054	51.01	ug/L
	Cu	65	803.862	6.587	0.001	0.08850	39.85	ug/L
	Zn	66	840.057	5.847	0.001	0.12667	58.45	ug/L
>	Ge	72	232923.457	3.074	232923.457			ug/L
	As	75	48.163	104.767	0.000	0.03512	114.82	ug/L
	Se	82	99.334	7.623	-0.000	-0.14978	43.08	ug/L
	Y	89	419189.616	2.210	-45792.867			ug/L
	Mo	98	364.613	16.333	0.001	0.06175	28.58	ug/L
	Ag	107	577.360	6.239	0.001	0.07076	11.86	ug/L
	Cd	111	204.039	10.938	0.000	0.00670	328.02	ug/L
	Cd	114	77.640	50.317	0.000	0.00292	550.21	mg/L
>	In	115	321166.757	0.813	321166.757			ug/L
	Sb	121	310.008	10.562	0.001	0.05730	15.45	ug/L
	Ba	135	66.000	10.926	0.000	0.00846	84.32	ug/L
>	Tb	159	437751.487	0.286	437751.487			ug/L
	Ho	165	394683.929	0.942	0.002			ug/L
	Tl	205	176.003	23.728	0.000	0.00309	250.15	ug/L
	Pb	208	406.672	6.821	0.000	0.01246	31.35	ug/L
	Bi	209	150027.544	1.435	0.007			ug/L
	Th	232	274.673	15.892	0.000	0.02333	26.15	ug/L
	U	238	86.001	22.427	0.000	0.00263	105.16	ug/L
	Na	23	43577.511	3.449	0.041	0.00358	23.56	mg/L
	Mg	24	6407.316	12.414	0.011	0.00135	34.04	mg/L
	K	39	1137803.152	2.130	0.325	0.01328	80.93	mg/L
	Ca	44	29264.353	0.362	-0.040	-0.04637	11.94	mg/L
	Fe	54	32220.781	5.642	-0.008	-0.00375	140.72	mg/L
>	Sc-1	45	249548.844	3.744	249548.844			mg/L
	Kr	83	99.334	6.472	-8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		132.950			
	Be	9					
	Al	27					
>	Sc	45		106.855			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		94.764			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		91.490			
	Sb	121					
	Ba	135					
>	Tb	159		96.053			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Perkin Elmer DRC-II ICP-MS

Project(s): Rico-Argentite Waters Nov 2010 Date: 11 / 30 / 2010

Work Order(s): C101104 TDF: D6-220 Analyst: Scott VanOvermeh

Batch Preparation Information

Digest / Prep.	Matrix	Batch ID
(TR) / Total / Diss.	(Water) / Soil / Other	1011105/1011106

Data Storage

Data File: X:/Metals Data Files/ D6-220_1011105-TRA-113010

Standard Information

Calibration Std. #1: SS-114-048
Prepped By: SV Date: 09/30/10

Calibration Std. #2: SS-114-049
Prepped By: SV Date: 09/30/10

Calibration Std. #3: SS-114-050
Prepped By: SV Date: 09/30/10

ICV **LIMS: 0100107**
Prepped By: SV Date: 09/30/10

CRDL: 1:100 of 0100112 **LIMS: 0100113**
Prepped By: SV Date: 11/30/10

CCV **LIMS: 0100108**
Prepped By: SV Date: 09/30/10

ICSA LIMS: 0100109

ICSAB LIMS: 0100110

Spike Information

Dissolved Spikes

Sample ID: —
Sample ID: —
Sample Vol: 10 mL

Spike
LIMS ID: 0100114 100 uL

Total / Total Rec. Spikes

Sample ID: C101104-02 - 50
Sample Vol: 50 mL
PSS2007-220: 500 uL
WW-LFS1 Exp: 05-1-2011
PSS2007-221: 500 uL
WW-LFS2 Exp: 05-1-2011

Tune criteria passed? (Yes) / No

Comments / Maintenance New pump tubing? Y / (N) Cleaned cones? Y / (N)

Reportable Analytes

(Ag) (As) Be (Cd) (Co) (Cr) (Cu) (Mn) Mo (Ni) (Pb) Sb (Se)
Tl V Zn U Th

Sequence ID: 1011120

Lims Entry (Date / Init): 11/30/10 SV

TLF-06.01	SOP: QAQ-04.00	Eff. Date: 1/17/2007

ESAT Region 8

Analytical Data Review Form

Analyst / Bench Review – Level I

LIMS:	C101104	Project:	Rio- Argentite Waters Nov 2010
TDF:	DG-220	Matrix: Water	Analysis: Total Recoverable Metals

Method / Instrument QC Parameters				Analytical Batch / Sample Parameters	
☒ Yes ☐ No	Corr. Coef. ≥ 0.995	☒ Yes ☐ No	ICV 90% - 110%	☒ Yes ☐ No	Mth. Blk. (MB) / Prep. BLK (PB) ≤ ± PQL
☒ Yes ☐ No	ICB ≤ ± PQL	☒ Yes ☐ No	CRI 70% - 130%	☒ Yes ☐ No	Blk. Spike (BS) / LCS (SRM) In Control
☒ Yes ☐ No	ICSA Spiked Analytes 80% - 120%			☒ Yes ☐ No	Laboratory Duplicate Analyzed
☒ Yes ☐ No	ICSA Non-Spiked Analytes ≤ ± PQL			☒ Yes ☐ No	MS / MSD Analyzed
☒ Yes ☐ No	ICSAB Spiked Analytes 80% - 120%			☒ Yes ☐ No	Serial Dilution Analyzed
☒ Yes ☐ No	CCBs ≤ ± PQL	☒ Yes ☐ No	CCVs 90% - 110%	☒ Yes ☐ No	Post-Digest Spike Analyzed for Tot. / Tot. Rec.
☒ Yes ☐ No	QA QC Samples Internal Stds. 60% - 125%			☒ Yes ☐ No	Samples Internal Stds. 60% - 125%

Other obvious data quality issues are identified ☐ Yes ☒ No

Describe any anomaly or deficiency not indicated above in the space provided

LIMS Electronic Data Transfer

☒ Yes ☐ No	The instrument data file is uploaded to the X: drive	☒ Yes ☐ No	Instrument data are uploaded into the LIMS
☒ Yes ☐ No	All samples and QC data are present in LIMS	☒ Yes ☐ No	The analyte list for the sequence is complete
Analyst:		Date: 11/30/10	

Peer Review of Analytical Analysis – Level II

Method / Instrument QC Parameters				Analytical Batch / Sample Parameters	
☒ Yes ☐ No	Corr. Coef. ≥ 0.995	☒ Yes ☐ No	ICV 90% - 110%	☒ Yes ☐ No	Mth. Blk. (MB) / Prep. BLK (PB) ≤ ± PQL
☒ Yes ☐ No	ICB ≤ ± PQL	☒ Yes ☐ No	CRI 70% - 130%	☒ Yes ☐ No	Blk. Spike (BS) / LCS (SRM) In Control
☒ Yes ☐ No	ICSA Spiked Analytes 80% - 120%			☒ Yes ☐ No	Laboratory Duplicate Analyzed
☒ Yes ☐ No	ICSA Non-Spiked Analytes ≤ ± PQL			☒ Yes ☐ No	MS / MSD Analyzed
☒ Yes ☐ No	ICSAB Spiked Analytes 80% - 120%			☒ Yes ☐ No	Serial Dilution Analyzed
☒ Yes ☐ No	CCBs ≤ ± PQL	☒ Yes ☐ No	CCVs 90% - 110%	☒ Yes ☐ No	Post-Digest Spike Analyzed for Tot. / Tot. Rec.
☒ Yes ☐ No	QA QC Samples Internal Stds. 60% - 125%			☒ Yes ☐ No	Samples Internal Stds. 60% - 125%

Other obvious data quality issues are identified ☐ Yes ☒ No

Describe any anomaly or deficiency not indicated above in the space provided

LIMS Electronic Data Transfer

☒ Yes ☐ No	The instrument data file is uploaded to the X: drive	☒ Yes ☐ No	Instrument data are uploaded into the LIMS
☒ Yes ☐ No	All samples and QC data are present in LIMS	☒ Yes ☐ No	The analyte list for the sequence is complete
Peer Reviewer:		Date: 12/2/2010	

PREPARATION BENCH SHEET

1011105

11/30/10

TechLaw, Inc. - ESAT Region 8

Printed: 11/23/2010 10:28:44AM

Matrix: Water

Date Prepared: 11/23/10 10:26 By: SV

Prepared using: ADMIN - 200.2 - TR Metals

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments
C101104-02 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLDRBG	
C101104-05 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLDRBG DUP	
C101104-08 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLDRMZ1a	
C101104-11 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLDRMZ1b	
C101104-14 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLDRMZ1c	
C101104-17 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLDRMZ2	
C101104-20 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLPO01	
C101104-23 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLPO02	
C101104-26 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLPO03	
C101104-29 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLPO04	
C101104-32 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLPO05	
C101104-35 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSW01	
C101104-38 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSW02	
C101104-41 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSW03	
C101104-44 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSW04	
C101104-47 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSW05	
C101104-02 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLDRBG	
C101104-05 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLDRBG DUP	
C101104-08 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLDRMZ1a	
C101104-11 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLDRMZ1b	
C101104-14 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLDRMZ1c	
C101104-17 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLDRMZ2	
C101104-20 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLPO01	

PREPARATION BENCH SHEET

1011105

TechLaw, Inc. - ESAT Region 8

Printed: 11/23/2010 10:28:44AM

Matrix: Water

Date Prepared: 11/23/10 10:26 By: SV

Prepared using: ADMIN - 200.2 - TR Metals

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments
C101104-23 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLPO02	
C101104-26 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLPO03	
C101104-29 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLPO04	
C101104-32 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLPO05	
C101104-35 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLSW01	
C101104-38 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLSW02	
C101104-41 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLSW03	
C101104-44 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLSW04	
C101104-47 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-]	50	50						SLSW05	
1011105-BLK1	QC		50	50						Blank	
1011105-BLK2	QC		50	50						Blank	
1011105-DUP1	QC		50	50					C101104-02	Duplicate	
1011105-DUP2	QC		50	50					C101104-02	Duplicate	
1011105-MS1	QC		50	50	0092735	500	0092736	500	C101104-02	Matrix Spike	
1011105-MS2	QC		50	50	0092735	500	0092736	500	C101104-02	Matrix Spike	
1011105-MSD1	QC		50	50	0092735	500	0092736	500	C101104-02	Matrix Spike Dup	
1011105-MSD2	QC		50	50	0092735	500	0092736	500	C101104-02	Matrix Spike Dup	
1011105-PS1	QC		10	10	0100114	100			C101104-02	Post Spike	
1011105-PS2	QC		10	10	0100114	100			C101104-02	Post Spike	
1011105-SRM1	QC		50	50	0092746	500	0092747	500		Reference	
1011105-SRM2	QC		50	50	0092746	500	0092747	500		Reference	

PREPARATION BENCH SHEET

1011106

TechLaw, Inc. - ESAT Region 8

11/30/10

Printed: 11/23/2010 10:31:11AM

Matrix: Water

Date Prepared: 11/23/10 10:29 By: SV **Prepared using: ADMIN - 200.2 - TR Metals**

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments
C101104-50 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWDR3	
C101104-53 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWDR4	
C101104-56 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWDR6	
C101104-59 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWDR7b	
C101104-62 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWDR7c	
C101104-65 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWFB	
C101104-68 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP06	
C101104-71 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP07a	
C101104-74 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP07b	
C101104-77 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP08	
C101104-80 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP09	
C101104-83 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP10	
C101104-86 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP11	
C101104-89 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP12	
C101104-92 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP14	
C101104-95 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWP15	
C101104-98 A	CP-MS Tot. Rec. Metals-201	Io Tag Prefix-	50	50						SLSWPP	
C101104-50 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWDR3	
C101104-53 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWDR4	
C101104-56 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWDR6	
C101104-59 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWDR7b	
C101104-62 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWDR7c	
C101104-65 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWFB	

PREPARATION BENCH SHEET

1011106

TechLaw, Inc. - ESAT Region 8

Printed: 11/23/2010 10:31:11AM

Matrix: Water

Date Prepared: 11/23/10 10:29 By: SV

Prepared using: ADMIN - 200.2 - TR Metals

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments
C101104-68 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP06	
C101104-71 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP07a	
C101104-74 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP07b	
C101104-77 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP08	
C101104-80 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP09	
C101104-83 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP10	
C101104-86 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP11	
C101104-89 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP12	
C101104-92 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP14	
C101104-95 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWP15	
C101104-98 A	CPOE Tot. Rec Metals-201(	Io Tag Prefix-	50	50						SLSWPP	
1011106-BLK1	QC		50	50						Blank	
1011106-BLK2	QC		50	50						Blank	
1011106-DUP1	QC		50	50					C101104-50	Duplicate	
1011106-DUP2	QC		50	50					C101104-50	Duplicate	
1011106-MS1	QC		50	50	0092735	500	0092736	500	C101104-50	Matrix Spike	
1011106-MS2	QC		50	50	0092735	500	0092736	500	C101104-50	Matrix Spike	
1011106-MSD1	QC		50	50	0092735	500	0092736	500	C101104-50	Matrix Spike Dup	
1011106-MSD2	QC		50	50	0092735	500	0092736	500	C101104-50	Matrix Spike Dup	
1011106-PS1	QC		10	10	0100114	100			C101104-50	Post Spike	
1011106-PS2	QC		10	10	0100114	100			C101104-50	Post Spike	
1011106-SRM1	QC		50	50	0092746	500	0092747	500		Reference	
1011106-SRM2	QC		50	50	0092746	500	0092747	500		Reference	

PREPARATION BENCH SHEET

1011106

TechLaw, Inc. - ESAT Region 8

Printed: 11/23/2010 10:31:11AM

Matrix: Water

Date Prepared: 11/23/10 10:29 By: SV **Prepared using: ADMIN - 200.2 - TR Metals**

Lab Number	Analysis	EPA Tag ID	Initial (mL)	Final (mL)	Spike1 ID	ul Spike1	Spike2 ID	ul Spike2	Source ID	QC Code	Extraction Comments

ANALYSIS SEQUENCE

1011120

11/30/10

Instrument: ICPMS-PE DRC-II Sequence Date: 11/30/10 00:00 Printed: 11/30/2010 9:59:19AM

Lab Number	Dilut. Factor	Analysis	STD ID	Sample/Std Name	EPA Tag ID	Source Sple	Comments
1011120-ICV1		QC	0100107	Initial Cal Check		-	
1011120-ICB1		QC		Initial Cal Blank		-	
1011120-CRL1		QC	0100113	MRL Check		-	
1011120-IFA1		QC	0100109	Interference Check A		-	
1011120-IFB1		QC	0100110	Interference Check B		-	
1011120-CCV1		QC	0100108	Calibration Check		-	
1011120-CCB1		QC		Calibration Blank		-	
1011105-BLK2		QC		Blank		-	
C101104-02 A		CP-MS Tot. Rec. Metals-201		SLDRBG	No Tag Prefix-B		
1011105-DUP2		QC		Duplicate		C101104-02	
1011120-SRD1		QC		Serial Dilution		C101104-02	
1011105-SRM2		QC		Reference		-	
1011105-MS2		QC		Matrix Spike		C101104-02	
1011105-MSD2		QC		Matrix Spike Dup		C101104-02	
1011105-PS2		QC		Post Spike		C101104-02	
C101104-05 A		CP-MS Tot. Rec. Metals-201		SLDRBG DUP	No Tag Prefix-B		
1011120-CCV2		QC	0100108	Calibration Check		-	
1011120-CCB2		QC		Calibration Blank		-	
C101104-08 A		CP-MS Tot. Rec. Metals-201		SLDRMZ1a	No Tag Prefix-B		
C101104-11 A		CP-MS Tot. Rec. Metals-201		SLDRMZ1b	No Tag Prefix-B		
C101104-14 A		CP-MS Tot. Rec. Metals-201		SLDRMZ1c	No Tag Prefix-B		
C101104-17 A		CP-MS Tot. Rec. Metals-201		SLDRMZ2	No Tag Prefix-B		
C101104-20 A		CP-MS Tot. Rec. Metals-201		SLPO01	No Tag Prefix-B		
C101104-23 A		CP-MS Tot. Rec. Metals-201		SLPO02	No Tag Prefix-B		
C101104-26 A		CP-MS Tot. Rec. Metals-201		SLPO03	No Tag Prefix-B		
C101104-29 A		CP-MS Tot. Rec. Metals-201		SLPO04	No Tag Prefix-B		
C101104-32 A		CP-MS Tot. Rec. Metals-201		SLPO05	No Tag Prefix-B		
1011120-CCV3		QC	0100108	Calibration Check		-	
1011120-CCB3		QC		Calibration Blank		-	
C101104-35 A		CP-MS Tot. Rec. Metals-201		SLSW01	No Tag Prefix-B		
C101104-38 A		CP-MS Tot. Rec. Metals-201		SLSW02	No Tag Prefix-B		
C101104-41 A		CP-MS Tot. Rec. Metals-201		SLSW03	No Tag Prefix-B		
C101104-44 A		CP-MS Tot. Rec. Metals-201		SLSW04	No Tag Prefix-B		
C101104-47 A		CP-MS Tot. Rec. Metals-201		SLSW05	No Tag Prefix-B		
1011106-BLK2		QC		Blank		-	
C101104-50 A		CP-MS Tot. Rec. Metals-201		SLSWDR3	No Tag Prefix-B		
1011106-DUP2		QC		Duplicate		C101104-50	
1011120-SRD2		QC		Serial Dilution		C101104-50	
1011120-CCV4		QC	0100108	Calibration Check		-	
1011120-CCB4		QC		Calibration Blank		-	

ANALYSIS SEQUENCE

1011120

Instrument: ICPMS-PE DRC-II Sequence Date: 11/30/10 00:00 Printed: 11/30/2010 9:59:19AM

Lab Number	Dilut. Factor	Analysis	STD ID	Sample/Std Name	EPA Tag ID	Source Sple	Comments
1011106-SRM2		QC		Reference		-	
1011106-MS2		QC		Matrix Spike		C101104-50	
1011106-MSD2		QC		Matrix Spike Dup		C101104-50	
1011106-PS2		QC		Post Spike		C101104-50	
C101104-53 A		CP-MS Tot. Rec. Metals-201		SLSWDR4	No Tag Prefix-B		
C101104-56 A		CP-MS Tot. Rec. Metals-201		SLSWDR6	No Tag Prefix-B		
C101104-59 A		CP-MS Tot. Rec. Metals-201		SLSWDR7b	No Tag Prefix-B		
C101104-62 A		CP-MS Tot. Rec. Metals-201		SLSWDR7c	No Tag Prefix-B		
C101104-65 A		CP-MS Tot. Rec. Metals-201		SLSWFB	No Tag Prefix-B		
1011120-CCV5		QC	0100108	Calibration Check		-	
1011120-CCB5		QC		Calibration Blank		-	
C101104-68 A		CP-MS Tot. Rec. Metals-201		SLSWP06	No Tag Prefix-B		
C101104-71 A		CP-MS Tot. Rec. Metals-201		SLSWP07a	No Tag Prefix-B		
C101104-74 A		CP-MS Tot. Rec. Metals-201		SLSWP07b	No Tag Prefix-B		
C101104-77 A		CP-MS Tot. Rec. Metals-201		SLSWP08	No Tag Prefix-B		
C101104-80 A		CP-MS Tot. Rec. Metals-201		SLSWP09	No Tag Prefix-B		
C101104-83 A		CP-MS Tot. Rec. Metals-201		SLSWP10	No Tag Prefix-B		
C101104-86 A		CP-MS Tot. Rec. Metals-201		SLSWP11	No Tag Prefix-B		
C101104-89 A		CP-MS Tot. Rec. Metals-201		SLSWP12	No Tag Prefix-B		
C101104-92 A		CP-MS Tot. Rec. Metals-201		SLSWP14	No Tag Prefix-B		
1011120-CCV6		QC	0100108	Calibration Check		-	
1011120-CCB6		QC		Calibration Blank		-	
C101104-95 A		CP-MS Tot. Rec. Metals-201		SLSWP15	No Tag Prefix-B		
C101104-98 A		CP-MS Tot. Rec. Metals-201		SLSWPP	No Tag Prefix-B		
1011120-CCV7		QC	0100108	Calibration Check		-	
1011120-CCB7		QC		Calibration Blank		-	

Run List

Sample File Name: 1011105_TRA_113010.sam

AS Loc.	Sample ID	Batch Index	Sample Type	Method
1	Blank		Blank	esat2010.mth
2	Standard 1		Standard	esat2010.mth
3	Standard 2		Standard	esat2010.mth
4	Standard 3		Standard	esat2010.mth
5	SEQ-ICV		QC Std	esat2010.mth
1	SEQ-ICB		QC Std	esat2010.mth
26	SEQ-CRL		QC Std	esat2010.mth
7	SEQ-IFA		QC Std	esat2010.mth
8	SEQ-IFB		QC Std	esat2010.mth
6	SEQ-CCV 1		QC Std	esat2010.mth
1	SEQ-CCB 1		QC Std	esat2010.mth
27	1011105-BLK2 @5X	1	Sample	esat2010.mth
28	C101104-02 @5X	2	Sample	esat2010.mth
29	1011105-DUP2 @5X	3	Duplicate of 2	esat2010.mth
30	SEQ-SRD1 @25X	4	Dilution - DF:5 of 2	esat2010.mth
31	1011105-SRM2 @20X	5	Spike - 1 of 1	esat2010.mth
32	1011105-MS2 @5X	6	Spike - 2 of 2	esat2010.mth
33	1011105-MSD2 @5X	7	Spike - 2 of 2	esat2010.mth
34	1011105-PS2 @5X	8	Spike - 3 of 2	esat2010.mth
35	C101104-05 @5X	9	Sample	esat2010.mth
36	Blank	10	Sample	esat2010.mth
6	SEQ-CCV 2		QC Std	esat2010.mth
1	SEQ-CCB 2		QC Std	esat2010.mth
37	C101104-08 @5X	11	Sample	esat2010.mth
38	C101104-11 @5X	12	Sample	esat2010.mth
39	C101104-14 @5X	13	Sample	esat2010.mth
40	C101104-17 @5X	14	Sample	esat2010.mth
41	C101104-20 @5X	15	Sample	esat2010.mth
42	C101104-23 @5X	16	Sample	esat2010.mth
43	C101104-26 @5X	17	Sample	esat2010.mth
44	C101104-29 @5X	18	Sample	esat2010.mth
45	C101104-32 @5X	19	Sample	esat2010.mth
46	Blank	20	Sample	esat2010.mth
6	SEQ-CCV 3		QC Std	esat2010.mth
1	SEQ-CCB 3		QC Std	esat2010.mth
47	C101104-35 @5X	21	Sample	esat2010.mth

48	C101104-38 @5X	22	Sample	esat2010.mth
49	C101104-41 @5X	23	Sample	esat2010.mth
50	C101104-44 @5X	24	Sample	esat2010.mth
51	C101104-47 @5X	25	Sample	esat2010.mth
52	1011106-BLK2 @5X	26	Sample	esat2010.mth
53	C101104-50 @5X	27	Sample	esat2010.mth
54	1011106-DUP2 @5X	28	Duplicate of 27	esat2010.mth
55	SEQ-SRD2 @25X	29	Dilution - DF:5 of 27	esat2010.mth
56	Blank	30	Sample	esat2010.mth
6	SEQ-CCV 4		QC Std	esat2010.mth
1	SEQ-CCB 4		QC Std	esat2010.mth
57	1011106-SRM2 @20X	31	Sample	esat2010.mth
58	1011106-MS2 @5X	32	Spike - 2 of 27	esat2010.mth
59	1011106-MSD2 @5X	33	Spike - 2 of 27	esat2010.mth
60	1011106-PS2 @5X	34	Spike - 3 of 27	esat2010.mth
61	C101104-53 @5X	35	Sample	esat2010.mth
62	C101104-56 @5X	36	Sample	esat2010.mth
63	C101104-59 @5X	37	Sample	esat2010.mth
64	C101104-62 @5X	38	Sample	esat2010.mth
65	C101104-65 @5X	39	Sample	esat2010.mth
66	Blank	40	Sample	esat2010.mth
6	SEQ-CCV 5		QC Std	esat2010.mth
1	SEQ-CCB 5		QC Std	esat2010.mth
67	C101104-68 @5X	41	Sample	esat2010.mth
68	C101104-71 @5X	42	Sample	esat2010.mth
69	C101104-74 @5X	43	Sample	esat2010.mth
70	C101104-77 @5X	44	Sample	esat2010.mth
71	C101104-80 @5X	45	Sample	esat2010.mth
72	C101104-83 @5X	46	Sample	esat2010.mth
73	C101104-86 @5X	47	Sample	esat2010.mth
74	C101104-89 @5X	48	Sample	esat2010.mth
75	C101104-92 @5X	49	Sample	esat2010.mth
76	Blank	50	Sample	esat2010.mth
6	SEQ-CCV 6		QC Std	esat2010.mth
1	SEQ-CCB 6		QC Std	esat2010.mth
77	C101104-95 @5X	51	Sample	esat2010.mth
78	C101104-98 @5X	52	Sample	esat2010.mth
79	Blank	53	Sample	esat2010.mth
6	SEQ-CCV 7		QC Std	esat2010.mth
1	SEQ-CCB 7		QC Std	esat2010.mth

Instrument Tuning Report

File Name: ESAT tuning 2010.tun
File Path: C:\Elandata\Tuning\ESAT tuning 2010.tun

11/30/10

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
C	12.000	12.025	2731	2066	0.762	
Mg	23.985	23.975	5636	2067	0.748	
In	114.904	114.875	27732	2015	0.749	
Ce	139.905	139.925	33816	2003	0.759	
Pb	207.977	207.975	50375	1980	0.758	
U	238.050	238.025	57683	1965	0.745	
Be	9.012	9.025	1990	2070	0.757	
Zn	65.926	65.975	15836	2042	0.742	

Daily Performance Report

Sample ID: Daily Performance Check
Sample Date/Time: Tuesday, November 30, 2010 07:36:57
Sample Description:
Method File: C:\Elandata\Method\ESAT Daily Performance 2010.mth
Dataset File: C:\Elandata\DataSet\Default\Daily Performance Check.7496
Tuning File: C:\Elandata\Tuning\ESAT tuning 2010.tun
Optimization File: C:\Elandata\Optimize\ESAT optimization 2010.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 80
Current Dead Time (ns): 80

fvn/30/10

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	52849.6	52849.562	1734.665	3.3
	In	114.9	188440.5	188440.548	1166.428	0.6
	U	238.1	104114.7	104114.714	575.040	0.6
⌈>	Ce	139.9	229630.2	229630.163	976.332	0.4
⌊	CeO	155.9	4213.9	0.018	0.000	1.5
⌈>	Ba	137.9	168348.4	168348.409	1156.174	0.7
⌊	Ba++	69.0	4649.6	0.028	0.000	1.2
	Bkgd	220.0	4.6	4.567	0.863	18.9
	Bkgd	8.5	10.4	10.400	0.887	8.5

Current Optimization File Data

Current Value	Description
0.84	Nebulizer Gas Flow [NEB]
1.20	Auxiliary Gas Flow
17.00	Plasma Gas Flow
7.50	Lens Voltage
1200.00	ICP RF Power
-1525.00	Analog Stage Voltage
800.00	Pulse Stage Voltage
0.00	Quadrupole Rod Offset Std [QRO]
-15.00	Cell Rod Offset Std [CRO]
20.00	Discriminator Threshold
-19.00	Cell Path Voltage Std [CPV]
0.00	RPa
0.25	RPq
0.82	DRC Mode NEB
-8.50	DRC Mode QRO
0.50	DRC Mode CRO
-17.00	DRC Mode CPV
0.00	Cell Gas A
0.00	Cell Gas B

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	41	7.0	4902.9
Co	59	41	7.5	161945.3
In	115	41	7.3	189650.4

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Elandata\Wizard\SmartTune\ESAT Smart Tune 2010.swz

Start Time: 11/30/2010 7:16:29 AM
End Time: 11/30/2010 7:40:39 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (12/12.025), Target/Obtained resolution (0.75/0.762)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.75/0.748)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.75/0.749)
Target/Obtained mass (139.905/139.925), Target/Obtained resolution (0.75/0.759)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.75/0.758)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.75/0.745)
Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.75/0.757)
Target/Obtained mass (65.926/65.975), Target/Obtained resolution (0.75/0.742)

Nebulizer Gas Flow [NEB] - [Passed] Optimum value(s): 0.84
Obtained Intensity (Rh 102.905): 205750
Obtained Formula (CeO 155.9 / Ce 139.905): 0.017 (=4113 / 244122)

Lens Voltage - [Passed] Optimum value(s): 7.5
Obtained Intensity (Rh 102.905): 207986

AutoLens - [Passed] Optimum value(s): y = 0.002 x + 7.114

Daily Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Mg 23.985): 52850
Obtained Intensity (In 114.904): 188441
Obtained Intensity (Bkgd 220): 5
Obtained Formula (CeO 155.9 / Ce 139.905): 0.018 (=4214 / 229630)
Obtained Formula (Ba++ 68.9525 / Ba 137.905): 0.028 (=4650 / 168997)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Elandata\Wizard\SmartTune\ESAT Smart Tune 2010.swz

Optimization Status

Start Time: 11/30/2010 7:16:29 AM

Mass Calibration and Resolution
Optimization Settings:
Method: C:\Elandata\Method\ESAT Tuning 2010.mth.
Tuning File: C:\Elandata\Tuning\ESAT tuning 2010.tun
Iterations: 6
Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.1 for Resolution
Peak height (%) for Res. Opt.: 10

Optimization Results:
Initial Try
Target/Obtained mass (12/12.025), Target/Obtained resolution (0.75/0.762)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.75/0.748)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.75/0.749)
Target/Obtained mass (139.905/139.925), Target/Obtained resolution (0.75/0.759)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.75/0.758)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.75/0.745)
Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.75/0.757)
Target/Obtained mass (65.926/65.975), Target/Obtained resolution (0.75/0.742)
[Passed] Optimum value(s): N/A

Nebulizer Gas Flow [NEB]
Optimization Settings:
Method: C:\Elandata\Method\ESAT Optimize 2010.mth.
Initial Try - Start/End/Step: 0.7/1/0.01.
Intensity Criterion: Rh 102.905 Maximum
Formula Criterion: CeO 155.9 / Ce 139.905 <= 0.017

Optimization Results:
Initial Try
Obtained Intensity (Rh 102.905): 205750
Obtained Formula (CeO 155.9 / Ce 139.905): 0.017 (=4113 / 244122)
[Passed] Optimum value(s): 0.84

Lens Voltage
Optimization Settings:
Method: C:\Elandata\Method\ESAT Optimize 2010.mth.
Initial Try - Start/End/Step: 4/12/0.25.
Intensity Criterion: Rh 102.905 Maximum

Optimization Results:
Initial Try
Obtained Intensity (Rh 102.905): 207986
[Passed] Optimum value(s): 7.5

AutoLens
Optimization Settings:
Method: C:\Elandata\Method\ESAT AutoLens Calibration 2010.mth.
Initial Try - Start/End/Step: 2/12/0.25.

Optimization Results:
Initial Try
[Passed] Optimum value(s): y = 0.002 x + 7.114

Analyte	Mass	Points	DAC	MaxIntensity
Be	9.012	41	7	4902.92
Co	58.933	41	7.5	161945
In	114.904	41	7.25	189650

Daily Performance Check
Optimization Settings:
Method: C:\Elandata\Method\ESAT Daily Performance 2010.mth.
Intensity Criterion: Mg 23.985 > 20000
Intensity Criterion: In 114.904 > 150000
Intensity Criterion: Bkgd 220 <= 30
Formula Criterion: CeO 155.9 / Ce 139.905 <= 0.03
Formula Criterion: Ba++ 68.9525 / Ba 137.905 <= 0.03

Optimization Results:
Initial Try
Obtained Intensity (Mg 23.985): 52850
Obtained Intensity (In 114.904): 188441
Obtained Intensity (Bkgd 220): 5
Obtained Formula (CeO 155.9 / Ce 139.905): 0.018 (=4214 / 229630)
Obtained Formula (Ba++ 68.9525 / Ba 137.905): 0.028 (=4650 / 168997)
[Passed] Optimum value(s): N/A

End Time: 11/30/2010 7:40:39 AM

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 07:49:24
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7497
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

11/30/10

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	41289.273	0.717				ug/L
	Be	9	7.333	68.635				ug/L
	Al	27	18917.269	2.953				ug/L
>	Sc	45	329474.158	2.336				ug/L
	V	51	4059.590	4.365				ug/L
	Cr	52	13287.447	2.082				ug/L
	Mn	55	1003.919	21.213				ug/L
	Co	59	169.036	6.962				ug/L
	Ni	60	102.367	21.958				ug/L
	Cu	65	668.886	3.511				ug/L
	Zn	66	972.742	3.749				ug/L
>	Ge	72	295044.767	1.152				ug/L
	As	75	-22.110	117.284				ug/L
	Se	82	138.668	7.944				ug/L
	Y	89	515200.284	0.517				ug/L
	Mo	98	41.489	35.907				ug/L
	Ag	107	138.668	7.401				ug/L
	Cd	111	227.840	8.543				ug/L
	Cd	114	99.695	16.355				mg/L
>	In	115	360113.856	2.542				ug/L
	Sb	121	69.334	16.403				ug/L
	Ba	135	73.334	19.349				ug/L
>	Tb	159	479195.249	1.319				ug/L
	Ho	165	428669.636	1.661				ug/L
	Tl	205	260.672	6.389				ug/L
	Pb	208	462.007	3.968				ug/L
	Bi	209	167618.708	0.835				ug/L
	Th	232	240.671	15.081				ug/L
	U	238	55.334	23.517				ug/L
	Na	23	59560.660	3.339				mg/L
	Mg	24	5997.404	52.492				mg/L
	K	39	1383839.028	1.871				mg/L
	Ca	44	30725.340	0.584				mg/L
	Fe	54	44846.108	3.794				mg/L
>	Sc-1	45	329474.158	2.336				mg/L
	Kr	83	122.001	14.197				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Tuesday, November 30, 2010 07:52:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Standard 1.7498
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42306.709	0.611	42306.709			ug/L
	Be	9	3589.698	2.350	0.085	10.00000	2.01	ug/L
	Al	27	327642.029	2.548	0.915	50.00000	4.14	ug/L
>	Sc	45	336889.102	1.451	336889.102			ug/L
	V	51	140278.192	0.571	0.404	10.00000	1.55	ug/L
	Cr	52	123995.246	0.323	0.328	10.00000	1.96	ug/L
	Mn	55	161009.783	1.032	0.475	10.00000	1.05	ug/L
	Co	59	126120.093	3.841	0.374	10.00000	2.40	ug/L
	Ni	60	27149.561	1.441	0.080	10.00000	0.45	ug/L
	Cu	65	26645.372	1.253	0.077	10.00000	2.71	ug/L
	Zn	66	15320.772	3.663	0.047	10.00000	3.37	ug/L
>	Ge	72	303855.982	2.556	303855.982			ug/L
	As	75	15868.456	2.217	0.052	10.00000	4.13	ug/L
	Se	82	1698.898	2.526	0.005	10.00000	5.47	ug/L
	Y	89	521879.767	3.978	6679.483			ug/L
	Mo	98	44499.916	2.076	0.117	10.00000	2.05	ug/L
	Ag	107	57117.934	2.692	0.150	10.00000	3.51	ug/L
	Cd	111	13519.047	0.686	0.035	10.00000	0.57	ug/L
	Cd	114	29628.825	2.658	0.078	10.00000	2.91	mg/L
>	In	115	378702.819	0.840	378702.819			ug/L
	Sb	121	41014.858	2.471	0.108	10.00000	3.28	ug/L
	Ba	135	11520.609	1.006	0.024	10.00000	2.86	ug/L
>	Tb	159	480427.424	2.060	480427.424			ug/L
	Ho	165	431954.135	0.841	0.005			ug/L
	Tl	205	64018.221	1.067	0.133	10.00000	1.16	ug/L
	Pb	208	85969.355	1.660	0.178	10.00000	2.39	ug/L
	Bi	209	170002.526	0.994	0.004			ug/L
	Th	232	84908.874	0.331	0.176	10.00000	2.34	ug/L
	U	238	82759.857	2.316	0.172	10.00000	4.28	ug/L
	Na	23	583918.795	2.740	1.553	0.10000	4.00	mg/L
	Mg	24	379020.074	3.336	1.107	0.10000	4.00	mg/L
	K	39	2150794.169	2.290	2.185	0.10000	7.88	mg/L
	Ca	44	63596.598	0.570	0.096	0.10000	2.69	mg/L
	Fe	54	146848.355	2.511	0.300	0.10000	5.69	mg/L
>	Sc-1	45	336889.102	1.451	336889.102			mg/L
	Kr	83	115.334	2.002	-6.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Tuesday, November 30, 2010 07:54:57
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Standard 2.7499
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42818.173	0.433	42818.173			ug/L
	Be	9	7020.608	1.102	0.164	19.86525	0.67	ug/L
	Al	27	632176.214	3.265	1.766	99.27115	4.17	ug/L
>	Sc	45	346753.450	1.098	346753.450			ug/L
	V	51	268345.747	1.371	0.762	19.75763	0.39	ug/L
	Cr	52	232582.551	2.235	0.631	19.84239	3.28	ug/L
	Mn	55	314085.618	2.503	0.903	19.79455	3.57	ug/L
	Co	59	247923.246	2.539	0.714	19.81641	2.00	ug/L
	Ni	60	51993.754	3.326	0.150	19.71195	2.89	ug/L
	Cu	65	50510.147	2.884	0.144	19.71206	3.84	ug/L
	Zn	66	29764.720	1.708	0.094	20.00482	1.09	ug/L
>	Ge	72	304768.282	1.965	304768.282			ug/L
	As	75	31389.945	1.039	0.103	19.93895	1.16	ug/L
	Se	82	3180.142	1.982	0.010	19.88659	2.96	ug/L
	Y	89	520793.001	0.356	5592.716			ug/L
	Mo	98	85562.197	1.011	0.227	19.86587	1.45	ug/L
	Ag	107	113663.236	2.239	0.301	20.00732	2.69	ug/L
	Cd	111	27005.146	1.209	0.071	20.05364	0.98	ug/L
	Cd	114	58366.653	1.648	0.155	19.96873	1.26	mg/L
>	In	115	376553.656	0.447	376553.656			ug/L
	Sb	121	81104.245	1.447	0.215	19.98036	1.83	ug/L
	Ba	135	22545.934	1.808	0.047	19.90178	3.20	ug/L
>	Tb	159	483165.173	1.440	483165.173			ug/L
	Ho	165	435300.901	0.301	0.007			ug/L
	Tl	205	126285.755	0.131	0.261	19.92987	1.55	ug/L
	Pb	208	170679.344	1.038	0.352	19.95819	2.12	ug/L
	Bi	209	172519.656	1.540	0.007			ug/L
	Th	232	163160.457	2.506	0.337	19.81929	2.45	ug/L
	U	238	162955.964	1.392	0.337	19.91327	0.07	ug/L
	Na	23	4452115.245	2.256	12.658	0.99776	1.37	mg/L
	Mg	24	3119407.790	1.834	8.978	0.99770	1.20	mg/L
	K	39	10401546.075	1.916	25.802	1.00152	3.13	mg/L
	Ca	44	350932.821	2.188	0.919	0.99961	3.59	mg/L
	Fe	54	840562.902	1.173	2.288	0.99693	1.57	mg/L
>	Sc-1	45	346753.450	1.098	346753.450			mg/L
	Kr	83	132.001	19.697	10.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Tuesday, November 30, 2010 07:57:46
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Standard 3.7500
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	43240.450	2.330	43240.450			ug/L
	Be	9	35612.531	1.975	0.824	99.99701	4.23	ug/L
	Al	27	2721592.138	1.568	7.983	497.29253	3.87	ug/L
>	Sc	45	338708.043	2.543	338708.043			ug/L
	V	51	1313848.726	0.569	3.869	100.01760	3.14	ug/L
	Cr	52	1068757.867	3.062	3.118	99.90883	5.64	ug/L
	Mn	55	1493221.714	3.268	4.406	99.83186	2.55	ug/L
	Co	59	1158038.530	2.390	3.419	99.74154	2.41	ug/L
	Ni	60	249032.324	1.255	0.735	99.84581	2.59	ug/L
	Cu	65	231750.836	0.855	0.683	99.67825	3.38	ug/L
	Zn	66	135711.300	2.016	0.459	99.86619	1.60	ug/L
>	Ge	72	293646.701	0.473	293646.701			ug/L
	As	75	146578.119	1.425	0.499	99.83099	1.63	ug/L
	Se	82	14780.129	2.496	0.050	99.97560	2.76	ug/L
	Y	89	503833.125	1.330	-11367.159			ug/L
	Mo	98	411422.451	2.591	1.134	99.95923	2.11	ug/L
	Ag	107	531370.977	2.784	1.464	99.86154	3.86	ug/L
	Cd	111	124479.709	1.175	0.342	99.83253	1.44	ug/L
	Cd	114	272948.177	1.479	0.752	99.85471	0.67	mg/L
>	In	115	362900.696	1.144	362900.696			ug/L
	Sb	121	382875.917	1.146	1.055	99.90060	2.25	ug/L
	Ba	135	104453.059	1.473	0.224	99.79164	2.29	ug/L
>	Tb	159	466161.289	1.041	466161.289			ug/L
	Ho	165	422503.272	0.385	0.012			ug/L
	Tl	205	594841.592	1.534	1.276	99.87602	2.29	ug/L
	Pb	208	805632.830	0.419	1.727	99.89520	1.19	ug/L
	Bi	209	165357.560	0.139	0.005			ug/L
	Th	232	779242.596	0.929	1.671	99.91419	1.60	ug/L
	U	238	760656.139	1.364	1.632	99.82131	1.82	ug/L
	Na	23	43664764.160	0.358	128.793	10.00150	2.68	mg/L
	Mg	24	31087328.240	0.557	91.811	10.00199	3.06	mg/L
	K	39	92566373.185	1.732	269.236	10.00431	3.55	mg/L
	Ca	44	2870974.960	2.064	8.384	9.99035	0.64	mg/L
	Fe	54	7070338.771	2.038	20.754	9.98942	4.54	mg/L
>	Sc-1	45	338708.043	2.543	338708.043			mg/L
	Kr	83	142.002	14.294	20.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72					
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Ba	135					
>	Tb	159					
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Calibration

Analyte	Mass	Correlation Coefficient
Li	6	
Be	9	0.999996
Al	27	0.999701
Sc	45	
V	51	0.999986
Cr	52	0.999986
Mn	55	0.999961
Co	59	0.999924
Ni	60	0.999955
Cu	65	0.999874
Zn	66	0.999982
Ge	72	
As	75	0.999970
Se	82	0.999996
Y	89	
Mo	98	0.999994
Ag	107	0.999981
Cd	111	0.999971
Cd	114	0.999979
In	115	
Sb	121	0.999990
Ba	135	0.999954
Tb	159	
Ho	165	
Tl	205	0.999983
Pb	208	0.999989
Bi	209	
Th	232	0.999985
U	238	0.999966
Na	23	0.999996
Mg	24	0.999995
K	39	0.999990
Ca	44	0.999954
Fe	54	0.999939
Sc-1	45	
Kr	83	

Method 200.8 - Summary Report

Sample ID: SEQ-ICV

Sample Date/Time: Tuesday, November 30, 2010 08:00:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-ICV.7501
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42965.893	2.196	42965.893			ug/L
	Be	9	17700.371	2.266	0.412	49.99042	3.06	ug/L
	Al	27	327590.114	1.668	0.935	58.24417	0.21	ug/L
>	Sc	45	330100.980	1.535	330100.980			ug/L
	V	51	635621.118	2.288	1.913	49.46697	2.47	ug/L
	Cr	52	534840.388	1.123	1.580	50.63774	2.65	ug/L
	Mn	55	746649.851	1.943	2.259	51.18038	0.57	ug/L
	Co	59	577606.300	1.143	1.749	51.02965	0.45	ug/L
	Ni	60	123418.014	0.650	0.374	50.74164	1.89	ug/L
	Cu	65	122255.434	0.980	0.368	53.79918	2.27	ug/L
	Zn	66	68039.751	1.696	0.234	50.84640	2.06	ug/L
>	Ge	72	287206.925	0.534	287206.925			ug/L
	As	75	76110.079	2.773	0.265	53.00186	2.42	ug/L
	Se	82	36298.441	1.012	0.126	252.45634	1.38	ug/L
	Y	89	497004.248	2.418	-18196.036			ug/L
	Mo	98	206194.773	1.222	0.580	51.17303	1.81	ug/L
	Ag	107	274389.924	0.549	0.772	52.65323	1.97	ug/L
	Cd	111	61462.103	2.840	0.172	50.26113	3.30	ug/L
	Cd	114	137685.821	1.325	0.387	51.43670	1.55	mg/L
>	In	115	355296.878	1.538	355296.878			ug/L
	Sb	121	191814.329	0.572	0.540	51.10708	0.96	ug/L
	Ba	135	53703.077	0.759	0.117	52.08520	0.69	ug/L
>	Tb	159	458841.176	0.234	458841.176			ug/L
	Ho	165	415398.035	0.550	0.011			ug/L
	Tl	205	302586.269	1.250	0.659	51.58756	1.02	ug/L
	Pb	208	402688.406	1.091	0.877	50.69631	0.87	ug/L
	Bi	209	164090.350	1.230	0.008			ug/L
	Th	232	392489.408	0.336	0.855	51.10839	0.36	ug/L
	U	238	381061.635	0.961	0.830	50.79640	0.75	ug/L
	Na	23	23834446.558	0.474	72.036	5.59403	1.88	mg/L
	Mg	24	16035965.079	1.407	48.570	5.29125	2.30	mg/L
	K	39	48348796.509	1.058	142.291	5.28725	1.99	mg/L
	Ca	44	1582954.605	0.340	4.703	5.60388	1.21	mg/L
	Fe	54	3733911.400	0.569	11.177	5.37969	1.43	mg/L
>	Sc-1	45	330100.980	1.535	330100.980			mg/L
	Kr	83	122.668	13.179	0.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		104.061			
	Be	9	99.981				
	Al	27	116.488				
>	Sc	45		100.190			
	V	51	98.934				
	Cr	52	101.275				
	Mn	55	102.361				
	Co	59	102.059				
	Ni	60	101.483				
	Cu	65	107.598				
	Zn	66	101.693				
>	Ge	72		97.344			
	As	75	106.004				
	Se	82	100.983				
	Y	89					
	Mo	98	102.346				
	Ag	107	105.306				
	Cd	111	100.522				
	Cd	114					
>	In	115		98.662			
	Sb	121	102.214				
	Ba	135	104.170				
>	Tb	159		95.752			
	Ho	165					
	Tl	205	103.175				
	Pb	208	101.393				
	Bi	209					
	Th	232	102.217				
	U	238	101.593				
	Na	23	111.881				
	Mg	24	105.825				
	K	39	105.745				
	Ca	44	112.078				
	Fe	54	107.594				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-ICB

Sample Date/Time: Tuesday, November 30, 2010 08:03:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-ICB.7502
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	41422.866	2.374	41422.866			ug/L
	Be	9	12.667	18.232	0.000	0.01562	46.12	ug/L
	Al	27	18789.600	5.916	-0.002	-0.12116	158.43	ug/L
>	Sc	45	338691.389	0.972	338691.389			ug/L
	V	51	3877.100	2.634	-0.001	-0.02258	37.14	ug/L
	Cr	52	12934.707	1.918	-0.002	-0.06861	17.95	ug/L
	Mn	55	1598.704	45.086	0.002	0.03773	125.47	ug/L
	Co	59	216.497	9.603	0.000	0.00367	43.97	ug/L
	Ni	60	119.161	4.024	0.000	0.00558	30.57	ug/L
	Cu	65	1468.753	6.212	0.002	0.33673	11.00	ug/L
	Zn	66	987.411	2.049	0.000	0.01768	122.16	ug/L
>	Ge	72	292374.682	1.986	292374.682			ug/L
	As	75	-6.715	1109.870	0.000	0.01106	459.95	ug/L
	Se	82	134.001	14.700	-0.000	-0.02201	663.37	ug/L
	Y	89	506255.692	2.133	-8944.592			ug/L
	Mo	98	690.121	10.549	0.002	0.15679	12.15	ug/L
	Ag	107	861.393	7.551	0.002	0.13486	9.95	ug/L
	Cd	111	264.581	3.724	0.000	0.02708	38.21	ug/L
	Cd	114	149.157	49.951	0.000	0.01732	151.84	mg/L
>	In	115	364790.458	1.249	364790.458			ug/L
	Sb	121	384.012	1.378	0.001	0.08147	3.20	ug/L
	Ba	135	94.001	5.629	0.000	0.01980	25.26	ug/L
>	Tb	159	476050.139	0.182	476050.139			ug/L
	Ho	165	431505.556	0.443	0.012			ug/L
	Tl	205	250.005	6.248	-0.000	-0.00147	178.81	ug/L
	Pb	208	566.010	6.161	0.000	0.01301	33.37	ug/L
	Bi	209	167794.108	1.235	0.003			ug/L
	Th	232	247.338	13.345	0.000	0.00104	402.82	ug/L
	U	238	83.334	22.684	0.000	0.00364	66.48	ug/L
	Na	23	75512.147	1.327	0.042	0.00328	9.86	mg/L
	Mg	24	6965.490	32.783	0.002	0.00025	281.11	mg/L
	K	39	1401972.797	1.620	-0.061	-0.00226	93.00	mg/L
	Ca	44	29261.005	0.618	-0.007	-0.00817	14.59	mg/L
	Fe	54	43424.568	3.602	-0.008	-0.00379	67.89	mg/L
>	Sc-1	45	338691.389	0.972	338691.389			mg/L
	Kr	83	124.668	7.234	2.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		100.324			
	Be	9					
	Al	27					
>	Sc	45		102.798			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.095			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		101.299			
	Sb	121					
	Ba	135					
>	Tb	159		99.344			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CRL

Sample Date/Time: Tuesday, November 30, 2010 08:06:39
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CRL.7503
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	41183.254	1.262	41183.254			ug/L
	Be	9	72.667	7.945	0.002	0.19253	8.16	ug/L
	Al	27	133491.808	2.553	0.348	21.68766	3.91	ug/L
>	Sc	45	329292.020	2.739	329292.020			ug/L
	V	51	28290.968	2.178	0.074	1.90445	5.53	ug/L
	Cr	52	22440.892	1.951	0.028	0.89331	11.62	ug/L
	Mn	55	3741.799	5.627	0.008	0.18844	6.68	ug/L
	Co	59	2421.004	3.149	0.007	0.19949	0.86	ug/L
	Ni	60	2501.035	2.571	0.007	0.98932	0.79	ug/L
	Cu	65	2967.639	1.757	0.007	1.02066	5.78	ug/L
	Zn	66	7854.269	3.340	0.023	5.09515	5.97	ug/L
>	Ge	72	294311.264	2.394	294311.264			ug/L
	As	75	2918.539	5.081	0.010	1.99815	4.84	ug/L
	Se	82	278.006	3.136	0.000	0.95300	10.30	ug/L
	Y	89	506274.047	2.843	-8926.237			ug/L
	Mo	98	1062.694	9.725	0.003	0.24435	7.66	ug/L
	Ag	107	2945.361	3.088	0.008	0.51998	3.00	ug/L
	Cd	111	473.256	12.454	0.001	0.19071	24.46	ug/L
	Cd	114	637.440	6.130	0.001	0.19331	4.88	mg/L
>	In	115	367796.503	2.586	367796.503			ug/L
	Sb	121	3956.586	3.780	0.011	1.00138	6.14	ug/L
	Ba	135	538.023	4.287	0.001	0.42968	5.22	ug/L
>	Tb	159	481574.149	0.767	481574.149			ug/L
	Ho	165	427567.550	1.986	-0.007			ug/L
	Tl	205	1324.808	7.749	0.002	0.17272	8.70	ug/L
	Pb	208	1881.444	0.708	0.003	0.17019	1.95	ug/L
	Bi	209	168966.856	0.026	0.001			ug/L
	Th	232	7503.836	1.567	0.015	0.90148	0.86	ug/L
	U	238	1511.516	3.555	0.003	0.18494	3.58	ug/L
	Na	23	34981.035	3.547	-0.075	-0.00579	5.54	mg/L
	Mg	24	2584.537	9.484	-0.010	-0.00113	8.58	mg/L
	K	39	1304291.444	1.840	-0.236	-0.00878	74.00	mg/L
	Ca	44	28932.147	0.855	-0.005	-0.00638	40.68	mg/L
	Fe	54	43669.821	3.228	-0.003	-0.00167	115.45	mg/L
>	Sc-1	45	329292.020	2.739	329292.020			mg/L
	Kr	83	132.001	9.091	10.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.743			
	Be	9	96.264				
	Al	27	108.438				
>	Sc	45		99.945			
	V	51	95.223				
	Cr	52	89.331				
	Mn	55	94.219				
	Co	59	99.744				
	Ni	60	98.932				
	Cu	65	102.066				
	Zn	66	101.903				
>	Ge	72		99.751			
	As	75	99.908				
	Se	82	95.300				
	Y	89					
	Mo	98	122.174				
	Ag	107	103.996				
	Cd	111	95.357				
	Cd	114					
>	In	115		102.133			
	Sb	121	100.138				
	Ba	135	85.936				
>	Tb	159		100.496			
	Ho	165					
	Tl	205	86.360				
	Pb	208	85.097				
	Bi	209					
	Th	232	90.148				
	U	238	92.470				
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-IFA

Sample Date/Time: Tuesday, November 30, 2010 08:09:41
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-IFA.7504
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37441.193	2.519	37441.193			ug/L
	Be	9	13.333	8.660	0.000	0.02166	16.19	ug/L
	Al	27	48156144.880	3.129	153.341	9552.48763	5.02	ug/L
>	Sc	45	314196.014	3.132	314196.014			ug/L
	V	51	2813.577	14.365	-0.003	-0.08754	30.63	ug/L
	Cr	52	13386.995	2.625	0.002	0.07315	14.20	ug/L
	Mn	55	760.757	38.226	-0.001	-0.01456	130.83	ug/L
	Co	59	200.588	42.568	0.000	0.00351	210.41	ug/L
	Ni	60	-584.276	26.984	-0.002	-0.29600	24.74	ug/L
	Cu	65	1519.935	1.998	0.003	0.41013	2.00	ug/L
	Zn	66	2139.700	1.116	0.004	0.82689	2.58	ug/L
>	Ge	72	301547.530	0.954	301547.530			ug/L
	As	75	-17.359	201.771	0.000	0.00349	662.99	ug/L
	Se	82	140.002	7.559	-0.000	-0.01132	638.49	ug/L
	Y	89	501953.103	0.773	-13247.181			ug/L
	Mo	98	813806.939	1.360	2.283	201.34541	2.60	ug/L
	Ag	107	283.340	9.186	0.000	0.02797	18.53	ug/L
	Cd	111	229.830	20.783	0.000	0.00261	1253.89	ug/L
	Cd	114	1163.424	11.354	0.003	0.39566	8.52	mg/L
>	In	115	356629.156	3.751	356629.156			ug/L
	Sb	121	253.339	11.450	0.001	0.04910	16.27	ug/L
	Ba	135	282.673	5.934	0.001	0.22332	10.03	ug/L
>	Tb	159	432471.256	1.856	432471.256			ug/L
	Ho	165	391517.520	1.795	0.011			ug/L
	Tl	205	232.671	13.131	-0.000	-0.00050	993.62	ug/L
	Pb	208	1288.052	4.082	0.002	0.11660	8.68	ug/L
	Bi	209	160767.865	1.771	0.022			ug/L
	Th	232	256.005	5.413	0.000	0.00537	37.59	ug/L
	U	238	39.333	24.030	-0.000	-0.00149	96.17	ug/L
	Na	23	39391542.684	6.351	125.168	9.71997	5.10	mg/L
	Mg	24	27689894.946	5.385	88.108	9.59857	4.35	mg/L
	K	39	86247108.237	2.851	270.562	10.05356	5.21	mg/L
	Ca	44	2809747.705	3.163	8.850	10.54552	1.05	mg/L
	Fe	54	6856262.009	1.087	21.697	10.44331	2.69	mg/L
>	Sc-1	45	314196.014	3.132	314196.014			mg/L
	Kr	83	154.669	16.271	32.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		90.680			
	Be	9					
	Al	27	95.525				
>	Sc	45		95.363			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		102.204			
	As	75					
	Se	82					
	Y	89					
	Mo	98	100.673				
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.032			
	Sb	121					
	Ba	135					
>	Tb	159		90.249			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23	97.200				
	Mg	24	95.986				
	K	39	100.536				
	Ca	44	105.455				
	Fe	54	104.433				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-IFB

Sample Date/Time: Tuesday, November 30, 2010 08:12:43
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-IFB.7505
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	34733.712	4.540	34733.712			ug/L
	Be	9	11.333	36.735	0.000	0.01839	85.92	ug/L
	Al	27	42106255.232	3.884	141.289	8801.69406	7.29	ug/L
>	Sc	45	298377.383	3.397	298377.383			ug/L
	V	51	-312.927	1016.707	-0.013	-0.33954	82.31	ug/L
	Cr	52	196184.685	4.804	0.618	19.80393	7.54	ug/L
	Mn	55	263237.759	4.380	0.879	19.91818	1.87	ug/L
	Co	59	213031.806	1.863	0.714	20.82086	2.16	ug/L
	Ni	60	44722.729	2.418	0.150	20.31780	1.13	ug/L
	Cu	65	48447.812	1.829	0.161	23.43994	4.89	ug/L
	Zn	66	29462.649	2.765	0.095	20.74042	2.54	ug/L
>	Ge	72	298878.383	2.292	298878.383			ug/L
	As	75	30857.905	4.196	0.103	20.66071	3.60	ug/L
	Se	82	146.002	3.624	0.000	0.03782	141.69	ug/L
	Y	89	498443.356	1.004	-16756.929			ug/L
	Mo	98	800091.101	0.149	2.247	198.12910	1.85	ug/L
	Ag	107	102806.786	1.619	0.288	19.66496	2.76	ug/L
	Cd	111	25230.351	1.476	0.070	20.47437	2.38	ug/L
	Cd	114	56567.650	1.579	0.159	21.05824	0.61	mg/L
>	In	115	356165.414	1.891	356165.414			ug/L
	Sb	121	198.670	8.796	0.000	0.03461	14.24	ug/L
	Ba	135	425.348	3.915	0.001	0.38136	2.55	ug/L
>	Tb	159	421509.481	1.824	421509.481			ug/L
	Ho	165	384364.068	1.248	0.017			ug/L
	Tl	205	234.004	8.153	0.000	0.00089	415.54	ug/L
	Pb	208	896.026	11.033	0.001	0.06704	17.09	ug/L
	Bi	209	161966.384	2.077	0.035			ug/L
	Th	232	204.670	4.514	-0.000	-0.00098	182.78	ug/L
	U	238	25.333	4.558	-0.000	-0.00338	6.73	ug/L
	Na	23	37076164.188	3.536	124.127	9.63916	3.53	mg/L
	Mg	24	25456056.149	4.261	85.305	9.29324	3.04	mg/L
	K	39	81840334.731	0.990	270.313	10.04430	3.83	mg/L
	Ca	44	2626276.599	1.265	8.714	10.38393	2.93	mg/L
	Fe	54	6445210.388	7.087	21.465	10.33173	6.31	mg/L
>	Sc-1	45	298377.383	3.397	298377.383			mg/L
	Kr	83	151.335	11.845	29.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		84.123			
	Be	9					
	Al	27	88.017				
>	Sc	45		90.562			
	V	51					
	Cr	52	99.020				
	Mn	55	99.591				
	Co	59	104.104				
	Ni	60	101.589				
	Cu	65	117.200				
	Zn	66	103.702				
>	Ge	72		101.299			
	As	75	103.304				
	Se	82					
	Y	89					
	Mo	98	99.065				
	Ag	107	98.325				
	Cd	111	102.372				
	Cd	114					
>	In	115		98.904			
	Sb	121					
	Ba	135					
>	Tb	159		87.962			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23	96.392				
	Mg	24	92.932				
	K	39	100.443				
	Ca	44	103.839				
	Fe	54	103.317				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 08:15:44
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7506
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37063.645	3.165	37063.645			ug/L
	Be	9	14953.225	4.580	0.403	48.93365	2.38	ug/L
	Al	27	1351806.489	4.587	4.082	254.30243	4.24	ug/L
>	Sc	45	326609.838	2.941	326609.838			ug/L
	V	51	632390.517	4.383	1.923	49.72717	1.92	ug/L
	Cr	52	519700.709	2.301	1.552	49.74600	5.35	ug/L
	Mn	55	748422.009	3.384	2.288	51.85345	1.81	ug/L
	Co	59	590033.707	2.631	1.806	52.68891	1.30	ug/L
	Ni	60	128940.250	1.912	0.395	53.58822	2.14	ug/L
	Cu	65	122314.528	0.520	0.373	54.42896	3.46	ug/L
	Zn	66	70686.271	2.215	0.221	48.13025	3.16	ug/L
>	Ge	72	315011.145	0.892	315011.145			ug/L
	As	75	79530.284	1.055	0.253	50.50064	1.23	ug/L
	Se	82	8020.479	2.896	0.025	50.11560	3.84	ug/L
	Y	89	540552.735	0.653	25352.451			ug/L
	Mo	98	216283.764	2.406	0.562	49.58935	0.13	ug/L
	Ag	107	281917.854	1.171	0.733	49.98567	1.59	ug/L
	Cd	111	67098.264	1.265	0.174	50.70314	1.53	ug/L
	Cd	114	146441.704	2.535	0.381	50.54397	1.01	mg/L
>	In	115	384535.917	2.524	384535.917			ug/L
	Sb	121	204017.149	1.926	0.531	50.23594	2.61	ug/L
	Ba	135	54173.781	0.807	0.115	51.38927	2.07	ug/L
>	Tb	159	469210.108	1.378	469210.108			ug/L
	Ho	165	423395.375	0.957	0.008			ug/L
	Tl	205	306647.975	2.724	0.653	51.11879	1.36	ug/L
	Pb	208	411968.974	0.348	0.877	50.72441	1.13	ug/L
	Bi	209	167759.882	1.257	0.008			ug/L
	Th	232	397181.181	1.105	0.846	50.58130	1.57	ug/L
	U	238	390033.728	1.277	0.831	50.84872	1.58	ug/L
	Na	23	20288124.357	4.768	61.943	4.81021	4.14	mg/L
	Mg	24	14354872.029	3.538	43.931	4.78586	1.52	mg/L
	K	39	44356396.149	3.855	131.700	4.89374	5.38	mg/L
	Ca	44	1552859.400	1.106	4.664	5.55745	2.94	mg/L
	Fe	54	3565610.178	1.027	10.785	5.19113	1.98	mg/L
>	Sc-1	45	326609.838	2.941	326609.838			mg/L
	Kr	83	126.001	8.399	4.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.766			
	Be	9	97.867				
	Al	27	101.721				
>	Sc	45		99.131			
	V	51	99.454				
	Cr	52	99.492				
	Mn	55	103.707				
	Co	59	105.378				
	Ni	60	107.176				
	Cu	65	108.858				
	Zn	66	96.260				
>	Ge	72		106.767			
	As	75	101.001				
	Se	82	100.231				
	Y	89					
	Mo	98	99.179				
	Ag	107	99.971				
	Cd	111	101.406				
	Cd	114					
>	In	115		106.782			
	Sb	121	100.472				
	Ba	135	102.779				
>	Tb	159		97.916			
	Ho	165					
	Tl	205	102.238				
	Pb	208	101.449				
	Bi	209					
	Th	232	101.163				
	U	238	101.697				
	Na	23	96.204				
	Mg	24	95.717				
	K	39	97.875				
	Ca	44	111.149				
	Fe	54	103.823				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 08:18:45
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7507
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37643.164	4.381	37643.164			ug/L
	Be	9	14.000	42.857	0.000	0.02420	87.95	ug/L
	Al	27	17319.385	7.433	-0.005	-0.33029	81.59	ug/L
>	Sc	45	332525.950	1.895	332525.950			ug/L
	V	51	3849.949	4.769	-0.001	-0.01930	52.66	ug/L
	Cr	52	12576.642	1.022	-0.003	-0.08018	20.49	ug/L
	Mn	55	1140.777	22.544	0.000	0.00849	187.37	ug/L
	Co	59	220.004	27.612	0.000	0.00434	124.13	ug/L
	Ni	60	154.002	24.766	0.000	0.02091	79.33	ug/L
	Cu	65	1314.806	5.913	0.002	0.28081	10.18	ug/L
	Zn	66	1058.090	8.514	0.000	0.01635	268.66	ug/L
>	Ge	72	313465.673	2.533	313465.673			ug/L
	As	75	101.578	38.946	0.000	0.08022	33.22	ug/L
	Se	82	141.335	9.207	-0.000	-0.03726	261.64	ug/L
	Y	89	539994.274	3.133	24793.989			ug/L
	Mo	98	1141.968	9.283	0.003	0.25155	9.67	ug/L
	Ag	107	854.059	12.939	0.002	0.12528	17.02	ug/L
	Cd	111	231.233	3.328	-0.000	-0.00928	46.06	ug/L
	Cd	114	139.827	21.439	0.000	0.01161	95.07	mg/L
>	In	115	384802.311	1.659	384802.311			ug/L
	Sb	121	382.678	6.821	0.001	0.07598	9.36	ug/L
	Ba	135	84.001	18.898	0.000	0.00797	187.28	ug/L
>	Tb	159	492020.784	1.129	492020.784			ug/L
	Ho	165	435696.591	2.156	-0.009			ug/L
	Tl	205	199.337	4.055	-0.000	-0.01086	15.16	ug/L
	Pb	208	560.676	7.520	0.000	0.01019	55.60	ug/L
	Bi	209	173378.432	1.846	0.003			ug/L
	Th	232	216.670	15.837	-0.000	-0.00367	121.58	ug/L
	U	238	88.667	46.355	0.000	0.00400	131.42	ug/L
	Na	23	68675.773	4.610	0.026	0.00200	38.09	mg/L
	Mg	24	6440.774	23.619	0.001	0.00013	396.43	mg/L
	K	39	1348397.177	0.903	-0.144	-0.00534	77.61	mg/L
	Ca	44	32090.174	0.721	0.003	0.00389	45.05	mg/L
	Fe	54	43718.143	5.297	-0.005	-0.00219	193.12	mg/L
>	Sc-1	45	332525.950	1.895	332525.950			mg/L
	Kr	83	122.668	17.960	0.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		91.169			
	Be	9					
	Al	27					
>	Sc	45		100.926			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		106.243			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		106.856			
	Sb	121					
	Ba	135					
>	Tb	159		102.676			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011105-BLK2 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:21:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011105-BLK2 @5X.7508
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39205.318	2.968	39205.318			ug/L
	Be	9	8.000	25.000	0.000	0.00335	207.36	ug/L
	Al	27	16542.531	0.669	-0.008	-0.48277	19.04	ug/L
>	Sc	45	333237.429	2.590	333237.429			ug/L
	V	51	616.992	578.882	-0.010	-0.26908	104.61	ug/L
	Cr	52	15061.462	1.464	0.005	0.15662	26.99	ug/L
	Mn	55	828.190	5.724	-0.001	-0.01275	16.08	ug/L
	Co	59	160.829	14.269	-0.000	-0.00088	240.49	ug/L
	Ni	60	60.160	12.333	-0.000	-0.01766	18.01	ug/L
	Cu	65	672.783	9.004	-0.000	-0.00139	2145.04	ug/L
	Zn	66	1283.465	5.899	0.001	0.20259	24.20	ug/L
>	Ge	72	303685.997	4.263	303685.997			ug/L
	As	75	-461.795	37.231	-0.001	-0.29202	42.02	ug/L
	Se	82	135.335	14.201	-0.000	-0.05101	180.18	ug/L
	Y	89	537277.744	1.729	22077.460			ug/L
	Mo	98	548.033	0.651	0.001	0.11645	1.11	ug/L
	Ag	107	814.054	15.394	0.002	0.11922	19.05	ug/L
	Cd	111	453.345	5.975	0.001	0.16180	12.43	ug/L
	Cd	114	694.285	14.507	0.002	0.20485	17.28	mg/L
>	In	115	381703.409	0.390	381703.409			ug/L
	Sb	121	191.336	26.286	0.000	0.02923	42.52	ug/L
	Ba	135	25.333	16.434	-0.000	-0.04469	7.94	ug/L
>	Tb	159	479775.194	1.278	479775.194			ug/L
	Ho	165	435550.101	0.364	0.013			ug/L
	Tl	205	362.011	7.433	0.000	0.01653	30.62	ug/L
	Pb	208	1650.752	1.766	0.002	0.14321	1.22	ug/L
	Bi	209	167401.964	1.636	-0.001			ug/L
	Th	232	136.668	14.659	-0.000	-0.01301	18.00	ug/L
	U	238	29.333	14.193	-0.000	-0.00333	14.44	ug/L
	Na	23	30792.959	16.024	-0.089	-0.00688	13.83	mg/L
	Mg	24	3605.103	30.385	-0.007	-0.00081	40.97	mg/L
	K	39	1272843.109	0.874	-0.379	-0.01410	17.06	mg/L
	Ca	44	31188.291	0.519	0.000	0.00046	738.08	mg/L
	Fe	54	48941.235	3.587	0.011	0.00521	64.60	mg/L
>	Sc-1	45	333237.429	2.590	333237.429			mg/L
	Kr	83	157.335	13.945	35.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.953			
	Be	9					
	Al	27					
>	Sc	45		101.142			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		102.929			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		105.995			
	Sb	121					
	Ba	135					
>	Tb	159		100.121			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-02 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:24:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-02 @5X.7509
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39699.772	3.201	39699.772			ug/L
	Be	9	8.667	13.323	0.000	0.00501	83.59	ug/L
	Al	27	64237.493	4.286	0.137	8.53150	6.58	ug/L
>	Sc	45	330528.862	0.352	330528.862			ug/L
	V	51	1742.093	127.649	-0.007	-0.18269	95.08	ug/L
	Cr	52	15306.054	0.991	0.006	0.19155	5.99	ug/L
	Mn	55	37517.496	2.258	0.110	2.50280	2.06	ug/L
	Co	59	-1146.038	3.668	-0.004	-0.11612	3.39	ug/L
	Ni	60	-675.990	7.266	-0.002	-0.31997	6.50	ug/L
	Cu	65	-22.980	183.780	-0.002	-0.30658	6.09	ug/L
	Zn	66	1738.242	3.302	0.002	0.50532	7.69	ug/L
>	Ge	72	309377.528	1.165	309377.528			ug/L
	As	75	-312.403	67.291	-0.001	-0.18704	72.38	ug/L
	Se	82	148.668	12.207	0.000	0.02213	583.30	ug/L
	Y	89	536118.649	2.065	20918.364			ug/L
	Mo	98	1002.089	3.733	0.003	0.22252	6.30	ug/L
	Ag	107	560.692	5.161	0.001	0.07436	7.08	ug/L
	Cd	111	366.540	8.296	0.000	0.09670	23.35	ug/L
	Cd	114	395.499	5.644	0.001	0.10139	6.12	mg/L
>	In	115	380142.303	2.592	380142.303			ug/L
	Sb	121	192.003	17.337	0.000	0.02963	28.64	ug/L
	Ba	135	14437.992	1.047	0.030	13.50016	1.73	ug/L
>	Tb	159	474201.195	0.801	474201.195			ug/L
	Ho	165	424838.202	1.442	0.001			ug/L
	Tl	205	388.679	7.707	0.000	0.02157	22.00	ug/L
	Pb	208	517.341	7.677	0.000	0.00736	72.04	ug/L
	Bi	209	161066.403	0.780	-0.010			ug/L
	Th	232	128.001	16.313	-0.000	-0.01389	18.71	ug/L
	U	238	572.693	3.301	0.001	0.06681	3.40	ug/L
	Na	23	2187758.646	2.394	6.438	0.49995	2.23	mg/L
	Mg	24	3599629.605	3.128	10.872	1.18436	2.79	mg/L
	K	39	2162789.132	1.951	2.344	0.08708	6.39	mg/L
	Ca	44	2358791.687	1.161	7.043	8.39306	1.40	mg/L
	Fe	54	57790.579	0.712	0.039	0.01864	2.93	mg/L
>	Sc-1	45	330528.862	0.352	330528.862			mg/L
	Kr	83	121.335	9.936	-0.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		96.150			
	Be	9					
	Al	27					
>	Sc	45		100.320			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		104.858			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		105.562			
	Sb	121					
	Ba	135					
>	Tb	159		98.958			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011105-DUP2 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:27:21
Sample Type: Duplicate of 2
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011105-DUP2 @5X.7510
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39256.252	1.579	39256.252			ug/L
	Be	9	7.333	41.660	0.000	0.00110	849.59	ug/L
	Al	27	66496.703	2.652	0.140	8.72345	2.67	ug/L
>	Sc	45	336757.375	1.296	336757.375			ug/L
	V	51	330.937	687.775	-0.011	-0.29198	59.53	ug/L
	Cr	52	16738.391	2.128	0.009	0.30030	4.47	ug/L
	Mn	55	38637.468	3.395	0.112	2.53168	4.73	ug/L
	Co	59	-1188.772	1.946	-0.004	-0.11794	1.21	ug/L
	Ni	60	-646.051	4.134	-0.002	-0.30285	4.65	ug/L
	Cu	65	-45.349	88.048	-0.002	-0.31616	5.52	ug/L
	Zn	66	1756.247	0.522	0.002	0.52089	2.78	ug/L
>	Ge	72	308669.084	1.162	308669.084			ug/L
	As	75	-387.583	64.819	-0.001	-0.23640	69.49	ug/L
	Se	82	153.335	15.005	0.000	0.05491	292.73	ug/L
	Y	89	524863.385	1.325	9663.101			ug/L
	Mo	98	923.931	6.211	0.002	0.20677	8.86	ug/L
	Ag	107	448.683	5.281	0.001	0.05516	9.64	ug/L
	Cd	111	278.760	6.103	0.000	0.03198	58.56	ug/L
	Cd	114	334.850	11.267	0.001	0.08178	19.92	mg/L
>	In	115	376073.027	2.680	376073.027			ug/L
	Sb	121	156.669	14.518	0.000	0.02128	29.78	ug/L
	Ba	135	14316.381	1.761	0.031	13.70140	1.49	ug/L
>	Tb	159	463283.641	0.277	463283.641			ug/L
	Ho	165	416853.759	0.649	0.005			ug/L
	Tl	205	358.677	4.222	0.000	0.01802	13.31	ug/L
	Pb	208	802.020	4.969	0.001	0.04435	10.83	ug/L
	Bi	209	159055.953	1.059	-0.006			ug/L
	Th	232	120.668	6.275	-0.000	-0.01445	7.03	ug/L
	U	238	580.694	3.585	0.001	0.06961	3.67	ug/L
	Na	23	2152126.906	2.700	6.212	0.48240	3.98	mg/L
	Mg	24	3532043.492	2.594	10.474	1.14101	3.87	mg/L
	K	39	2170157.400	0.499	2.245	0.08342	4.41	mg/L
	Ca	44	2389568.327	1.068	7.004	8.34585	2.11	mg/L
	Fe	54	60366.258	1.473	0.043	0.02077	7.38	mg/L
>	Sc-1	45	336757.375	1.296	336757.375			mg/L
	Kr	83	125.335	10.862	3.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		95.076			
	Be	9					128.193
	Al	27					2.225
>	Sc	45		102.211			
	V	51					46.049
	Cr	52					44.218
	Mn	55					1.147
	Co	59					1.559
	Ni	60					5.498
	Cu	65					3.076
	Zn	66					3.036
>	Ge	72		104.618			
	As	75					23.316
	Se	82					85.085
	Y	89					
	Mo	98					7.338
	Ag	107					29.634
	Cd	111					100.586
	Cd	114					21.412
>	In	115		104.432			
	Sb	121					32.822
	Ba	135					1.480
>	Tb	159		96.680			
	Ho	165					
	Tl	205					17.947
	Pb	208					143.069
	Bi	209					
	Th	232					3.958
	U	238					4.098
	Na	23					3.573
	Mg	24					3.729
	K	39					4.301
	Ca	44					0.564
	Fe	54					10.820
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-SRD1 @25X

Sample Date/Time: Tuesday, November 30, 2010 08:30:08
Sample Type: Dilution - DF:5 of 2
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-SRD1 @25X.7511
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36806.760	2.147	36806.760			ug/L
	Be	9	5.333	78.063	-0.000	-0.00389	354.94	ug/L
	Al	27	27205.864	19.209	0.027	1.70635	67.03	ug/L
>	Sc	45	322049.919	3.133	322049.919			ug/L
	V	51	1573.243	70.645	-0.007	-0.19070	48.11	ug/L
	Cr	52	13674.278	1.533	0.002	0.06954	87.92	ug/L
	Mn	55	7981.813	0.928	0.022	0.49286	3.28	ug/L
	Co	59	-134.280	21.473	-0.001	-0.02710	8.75	ug/L
	Ni	60	-122.946	4.461	-0.001	-0.09412	4.03	ug/L
	Cu	65	179.534	9.869	-0.001	-0.21515	2.78	ug/L
	Zn	66	622.698	9.178	-0.001	-0.27995	13.52	ug/L
>	Ge	72	309604.529	0.546	309604.529			ug/L
	As	75	-87.514	131.864	-0.000	-0.04181	178.49	ug/L
	Se	82	136.001	9.643	-0.000	-0.06127	145.97	ug/L
	Y	89	532122.722	0.983	16922.437			ug/L
	Mo	98	320.245	4.718	0.001	0.06392	6.56	ug/L
	Ag	107	178.003	13.669	0.000	0.00563	86.05	ug/L
	Cd	111	216.747	11.465	-0.000	-0.01879	98.43	ug/L
	Cd	114	97.023	19.244	-0.000	-0.00294	229.26	mg/L
>	In	115	381358.358	1.728	381358.358			ug/L
	Sb	121	59.334	27.246	-0.000	-0.00346	120.16	ug/L
	Ba	135	2950.697	3.180	0.006	2.69144	2.82	ug/L
>	Tb	159	476415.997	0.428	476415.997			ug/L
	Ho	165	430118.705	1.989	0.008			ug/L
	Tl	205	194.003	12.500	-0.000	-0.01072	36.18	ug/L
	Pb	208	331.337	23.272	-0.000	-0.01554	60.20	ug/L
	Bi	209	169329.468	1.494	0.006			ug/L
	Th	232	98.001	22.075	-0.000	-0.01773	15.15	ug/L
	U	238	138.668	3.630	0.000	0.01074	6.72	ug/L
	Na	23	505412.753	4.089	1.388	0.10781	1.77	mg/L
	Mg	24	784934.994	2.926	2.422	0.26384	5.70	mg/L
	K	39	1422674.289	1.745	0.222	0.00823	91.22	mg/L
	Ca	44	532664.214	4.591	1.560	1.85923	1.58	mg/L
	Fe	54	44812.332	3.453	0.003	0.00150	211.80	mg/L
>	Sc-1	45	322049.919	3.133	322049.919			mg/L
	Kr	83	115.334	14.543	-6.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.144			
	Be	9				488.600	
	Al	27				0.003	
>	Sc	45		97.747			
	V	51				-421.923	
	Cr	52				81.517	
	Mn	55				1.538	
	Co	59				-16.686	
	Ni	60				-47.071	
	Cu	65				-250.885	
	Zn	66				377.008	
>	Ge	72		104.935			
	As	75				-11.765	
	Se	82				1483.927	
	Y	89					
	Mo	98				43.629	
	Ag	107				62.175	
	Cd	111				197.159	
	Cd	114				114.497	
>	In	115		105.899			
	Sb	121				158.426	
	Ba	135				0.318	
>	Tb	159		99.420			
	Ho	165					
	Tl	205				348.380	
	Pb	208				1155.531	
	Bi	209					
	Th	232				-538.267	
	U	238				19.599	
	Na	23				7.825	
	Mg	24				11.384	
	K	39				52.741	
	Ca	44				10.760	
	Fe	54				59.643	
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011105-SRM2 @20X

Sample Date/Time: Tuesday, November 30, 2010 08:32:55
Sample Type: Spike - 1 of 1
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011105-SRM2 @20X.7512
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40172.757	2.706	40172.757			ug/L
	Be	9	13860.692	2.545	0.345	41.86492	2.91	ug/L
	Al	27	281398.968	5.101	0.821	51.14129	6.50	ug/L
>	Sc	45	320511.589	1.716	320511.589			ug/L
	V	51	588714.539	1.668	1.825	47.16965	1.04	ug/L
	Cr	52	501602.669	1.534	1.525	48.86898	2.91	ug/L
	Mn	55	693552.363	0.573	2.161	48.97433	2.24	ug/L
	Co	59	560472.404	1.882	1.748	51.00442	2.46	ug/L
	Ni	60	120538.567	3.837	0.376	51.03483	3.75	ug/L
	Cu	65	120102.314	1.764	0.373	54.44535	3.40	ug/L
	Zn	66	71319.587	3.409	0.227	49.31392	1.72	ug/L
>	Ge	72	310293.241	3.525	310293.241			ug/L
	As	75	154811.960	1.118	0.499	99.86293	3.71	ug/L
	Se	82	8266.130	0.679	0.026	52.51830	4.10	ug/L
	Y	89	544625.727	1.119	29425.443			ug/L
	Mo	98	208809.781	2.417	0.542	47.79537	2.15	ug/L
	Ag	107	68197.401	0.813	0.177	12.04946	0.91	ug/L
	Cd	111	65438.535	1.943	0.169	49.34899	1.23	ug/L
	Cd	114	144587.342	2.366	0.375	49.82038	2.24	mg/L
>	In	115	385188.845	1.623	385188.845			ug/L
	Sb	121	408577.971	1.746	1.061	100.43640	2.23	ug/L
	Ba	135	53984.212	2.145	0.114	50.60088	1.63	ug/L
>	Tb	159	474760.452	1.512	474760.452			ug/L
	Ho	165	431762.691	1.106	0.015			ug/L
	Tl	205	1380162.174	2.042	2.907	227.61827	3.09	ug/L
	Pb	208	784669.067	0.940	1.652	95.54722	2.44	ug/L
	Bi	209	170175.752	0.763	0.009			ug/L
	Th	232	132.668	11.710	-0.000	-0.01330	16.10	ug/L
	U	238	18.667	22.304	-0.000	-0.00466	10.83	ug/L
	Na	23	290287.874	3.625	0.725	0.05628	2.95	mg/L
	Mg	24	155167.700	5.049	0.466	0.05075	4.68	mg/L
	K	39	3112830.241	1.799	5.516	0.20495	6.06	mg/L
	Ca	44	52373.900	1.662	0.070	0.08367	7.78	mg/L
	Fe	54	79124.781	0.800	0.111	0.05334	5.34	mg/L
>	Sc-1	45	320511.589	1.716	320511.589			mg/L
	Kr	83	143.335	19.251	21.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		97.296			
	Be	9			83.723		
	Al	27			103.248		
>	Sc	45		97.280			
	V	51			94.877		
	Cr	52			97.425		
	Mn	55			97.974		
	Co	59			102.011		
	Ni	60			102.105		
	Cu	65			108.893		
	Zn	66			98.223		
>	Ge	72		105.168			
	As	75			100.155		
	Se	82			105.139		
	Y	89					
	Mo	98			95.358		
	Ag	107			95.442		
	Cd	111			98.374		
	Cd	114					
>	In	115		106.963			
	Sb	121			100.407		
	Ba	135			101.291		
>	Tb	159		99.075			
	Ho	165					
	Tl	205			91.041		
	Pb	208			95.404		
	Bi	209					
	Th	232					
	U	238					
	Na	23			126.325		
	Mg	24			103.125		
	K	39			87.620		
	Ca	44			166.421		
	Fe	54			96.256		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011105-MS2 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:35:43
Sample Type: Spike - 2 of 2
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011105-MS2 @5X.7513
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42040.263	1.190	42040.263			ug/L
	Be	9	12006.859	2.248	0.285	34.63734	1.12	ug/L
	Al	27	1885574.124	0.713	5.785	360.39383	1.62	ug/L
>	Sc	45	322786.637	1.886	322786.637			ug/L
	V	51	703341.898	3.006	2.166	56.00664	1.26	ug/L
	Cr	52	779587.130	0.318	2.375	76.11255	1.72	ug/L
	Mn	55	574480.971	2.689	1.777	40.27146	3.75	ug/L
	Co	59	435663.380	0.624	1.349	39.36514	1.84	ug/L
	Ni	60	228860.314	1.464	0.709	96.25024	0.45	ug/L
	Cu	65	132707.000	1.516	0.409	59.75462	2.32	ug/L
	Zn	66	55621.167	2.472	0.178	38.71536	3.06	ug/L
>	Ge	72	307040.992	1.073	307040.992			ug/L
	As	75	247579.585	1.584	0.806	161.25502	1.45	ug/L
	Se	82	60768.047	1.688	0.197	395.90221	2.24	ug/L
	Y	89	518693.785	1.588	3493.501			ug/L
	Mo	98	323857.495	0.724	0.872	76.93416	1.89	ug/L
	Ag	107	77608.910	1.006	0.209	14.23781	3.43	ug/L
	Cd	111	50160.996	2.333	0.134	39.21075	1.35	ug/L
	Cd	114	110636.266	1.911	0.298	39.54500	0.90	mg/L
>	In	115	371270.382	2.459	371270.382			ug/L
	Sb	121	621043.605	1.000	1.673	158.41742	1.77	ug/L
	Ba	135	54965.313	0.766	0.121	53.77035	1.57	ug/L
>	Tb	159	454979.094	1.252	454979.094			ug/L
	Ho	165	408145.080	2.188	0.002			ug/L
	Tl	205	2174093.869	1.523	4.778	374.11759	2.01	ug/L
	Pb	208	1485991.837	0.647	3.266	188.84937	1.85	ug/L
	Bi	209	156096.591	0.260	-0.007			ug/L
	Th	232	165.336	5.455	-0.000	-0.00829	16.66	ug/L
	U	238	617.364	5.277	0.001	0.07595	5.86	ug/L
	Na	23	4404739.269	2.200	13.467	1.04575	2.10	mg/L
	Mg	24	4563574.759	3.389	14.119	1.53819	2.69	mg/L
	K	39	18559210.179	1.676	53.309	1.98085	2.53	mg/L
	Ca	44	2402102.685	4.418	7.352	8.76127	5.71	mg/L
	Fe	54	473730.278	2.615	1.332	0.64123	4.62	mg/L
>	Sc-1	45	322786.637	1.886	322786.637			mg/L
	Kr	83	149.335	7.732	27.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		101.819			
	Be	9			86.581		
	Al	27			87.966		
>	Sc	45		97.970			
	V	51			93.649		
	Cr	52			94.901		
	Mn	55			94.422		
	Co	59			78.963		
	Ni	60			96.570		
	Cu	65			100.102		
	Zn	66			95.525		
>	Ge	72		104.066			
	As	75			100.901		
	Se	82			98.970		
	Y	89					
	Mo	98			95.890		
	Ag	107			94.423		
	Cd	111			97.785		
	Cd	114					
>	In	115		103.098			
	Sb	121			98.992		
	Ba	135			100.675		
>	Tb	159		94.946			
	Ho	165					
	Tl	205			93.524		
	Pb	208			94.421		
	Bi	209					
	Th	232					
	U	238					
	Na	23			90.968		
	Mg	24			88.457		
	K	39			94.688		
	Ca	44			184.107		
	Fe	54			103.764		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011105-MSD2 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:38:30
Sample Type: Spike - 2 of 2
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011105-MSD2 @5X.7514
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42154.349	0.329	42154.349			ug/L
	Be	9	12229.956	1.684	0.290	35.18837	1.58	ug/L
	Al	27	1888404.970	1.957	5.898	367.43400	2.67	ug/L
>	Sc	45	317118.437	0.851	317118.437			ug/L
	V	51	697911.905	1.044	2.189	56.57881	0.88	ug/L
	Cr	52	774852.973	0.237	2.403	77.00591	1.08	ug/L
	Mn	55	576207.665	2.402	1.814	41.10214	2.27	ug/L
	Co	59	433278.724	1.318	1.366	39.84283	1.56	ug/L
	Ni	60	228855.688	2.480	0.721	97.95703	1.82	ug/L
	Cu	65	135935.889	1.176	0.427	62.30753	1.91	ug/L
	Zn	66	55954.049	1.341	0.182	39.70660	1.25	ug/L
>	Ge	72	301261.139	0.176	301261.139			ug/L
	As	75	243415.256	1.041	0.808	161.58033	1.02	ug/L
	Se	82	60505.473	0.764	0.200	401.72250	0.63	ug/L
	Y	89	511071.337	1.625	-4128.947			ug/L
	Mo	98	314101.988	2.031	0.863	76.12758	1.29	ug/L
	Ag	107	78216.428	1.205	0.215	14.63933	2.05	ug/L
	Cd	111	49624.185	1.305	0.136	39.59345	1.97	ug/L
	Cd	114	107045.967	0.388	0.294	39.04710	0.48	mg/L
>	In	115	363769.647	0.839	363769.647			ug/L
	Sb	121	617893.749	1.996	1.698	160.81018	1.16	ug/L
	Ba	135	53881.935	0.528	0.122	54.24304	0.77	ug/L
>	Tb	159	442085.152	0.302	442085.152			ug/L
	Ho	165	397565.862	1.109	0.005			ug/L
	Tl	205	2204680.095	0.325	4.987	390.41022	0.63	ug/L
	Pb	208	1482262.448	1.392	3.352	193.84806	1.69	ug/L
	Bi	209	156063.308	1.286	0.003			ug/L
	Th	232	129.335	12.969	-0.000	-0.01254	17.73	ug/L
	U	238	676.705	26.656	0.001	0.08662	29.14	ug/L
	Na	23	4639136.730	1.341	14.449	1.12207	1.84	mg/L
	Mg	24	4628346.271	3.506	14.576	1.58796	3.26	mg/L
	K	39	18410858.039	2.585	53.868	2.00163	3.71	mg/L
	Ca	44	2415785.650	1.734	7.525	8.96646	1.30	mg/L
	Fe	54	464598.244	0.957	1.329	0.63965	0.20	mg/L
>	Sc-1	45	317118.437	0.851	317118.437			mg/L
	Kr	83	140.668	11.924	18.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		102.095			
	Be	9			87.958		
	Al	27			89.726		
>	Sc	45		96.250			
	V	51			94.602		
	Cr	52			96.018		
	Mn	55			96.498		
	Co	59			79.918		
	Ni	60			98.277		
	Cu	65			104.357		
	Zn	66			98.003		
>	Ge	72		102.107			
	As	75			101.105		
	Se	82			100.425		
	Y	89					
	Mo	98			94.881		
	Ag	107			97.100		
	Cd	111			98.742		
	Cd	114					
>	In	115		101.015			
	Sb	121			100.488		
	Ba	135			101.857		
>	Tb	159		92.256			
	Ho	165					
	Tl	205			97.597		
	Pb	208			96.920		
	Bi	209					
	Th	232					
	U	238					
	Na	23			103.688		
	Mg	24			100.900		
	K	39			95.727		
	Ca	44			286.699		
	Fe	54			103.502		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011105-PS2 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:41:19
Sample Type: Spike - 3 of 2
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011105-PS2 @5X.7515
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37521.644	1.543	37521.644			ug/L
	Be	9	5802.693	1.832	0.154	18.74800	1.53	ug/L
	Al	27	9432802.227	1.340	30.375	1892.25751	2.14	ug/L
>	Sc	45	310012.597	1.700	310012.597			ug/L
	V	51	226130.247	4.023	0.717	18.53916	3.73	ug/L
	Cr	52	200687.747	1.732	0.607	19.45540	2.80	ug/L
	Mn	55	300389.734	0.616	0.966	21.88985	1.54	ug/L
	Co	59	210750.006	0.425	0.679	19.81867	1.39	ug/L
	Ni	60	44581.572	2.012	0.144	19.49549	3.73	ug/L
	Cu	65	42814.781	2.573	0.136	19.88090	4.27	ug/L
	Zn	66	27406.062	5.156	0.089	19.33436	2.80	ug/L
>	Ge	72	297363.802	2.819	297363.802			ug/L
	As	75	29663.303	5.941	0.100	19.95039	3.11	ug/L
	Se	82	14819.559	2.909	0.049	98.98122	1.55	ug/L
	Y	89	495794.672	2.120	-19405.612			ug/L
	Mo	98	78998.837	0.846	0.224	19.73672	2.02	ug/L
	Ag	107	102047.046	0.834	0.289	19.69906	0.71	ug/L
	Cd	111	24357.665	0.682	0.068	19.94521	1.35	ug/L
	Cd	114	52798.318	1.443	0.149	19.83896	1.73	mg/L
>	In	115	352841.712	1.380	352841.712			ug/L
	Sb	121	74214.856	2.372	0.210	19.90519	3.75	ug/L
	Ba	135	32523.109	2.726	0.077	34.45079	2.67	ug/L
>	Tb	159	419846.243	0.984	419846.243			ug/L
	Ho	165	381846.898	0.371	0.015			ug/L
	Tl	205	131639.883	0.255	0.313	24.50757	1.19	ug/L
	Pb	208	150858.032	1.770	0.358	20.72445	1.87	ug/L
	Bi	209	152433.311	2.639	0.013			ug/L
	Th	232	145719.206	2.567	0.347	20.71730	1.59	ug/L
	U	238	143769.512	2.637	0.342	20.94063	2.38	ug/L
	Na	23	9967310.598	1.288	31.975	2.48306	1.78	mg/L
	Mg	24	8917976.921	2.546	28.759	3.13300	3.79	mg/L
	K	39	18987584.431	3.795	57.086	2.12120	5.92	mg/L
	Ca	44	2782667.673	2.313	8.883	10.58514	1.73	mg/L
	Fe	54	1425234.065	2.923	4.463	2.14838	4.66	mg/L
>	Sc-1	45	310012.597	1.700	310012.597			mg/L
	Kr	83	120.668	11.642	-1.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		90.875			
	Be	9			18.743		
	Al	27			18.837		
>	Sc	45		94.093			
	V	51			18.722		
	Cr	52			19.264		
	Mn	55			19.387		
	Co	59			19.935		
	Ni	60			19.815		
	Cu	65			20.187		
	Zn	66			18.829		
>	Ge	72		100.786			
	As	75			20.137		
	Se	82			19.792		
	Y	89					
	Mo	98			19.514		
	Ag	107			19.625		
	Cd	111			19.849		
	Cd	114					
>	In	115		97.981			
	Sb	121			19.876		
	Ba	135			20.951		
>	Tb	159		87.615			
	Ho	165					
	Tl	205			24.486		
	Pb	208			20.717		
	Bi	209					
	Th	232			20.731		
	U	238			20.874		
	Na	23			19.831		
	Mg	24			19.486		
	K	39			20.341		
	Ca	44			21.921		
	Fe	54			21.297		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-05 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:44:07
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-05 @5X.7516
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37934.839	2.892	37934.839			ug/L
	Be	9	8.667	35.251	0.000	0.00600	148.24	ug/L
	Al	27	58331.066	2.685	0.125	7.79403	5.44	ug/L
>	Sc	45	319650.847	1.025	319650.847			ug/L
	V	51	1494.251	172.980	-0.008	-0.19643	107.09	ug/L
	Cr	52	15808.650	3.402	0.009	0.29291	23.96	ug/L
	Mn	55	36534.541	3.695	0.111	2.52090	3.89	ug/L
	Co	59	-935.426	3.533	-0.003	-0.10034	3.42	ug/L
	Ni	60	-589.387	2.734	-0.002	-0.29266	3.22	ug/L
	Cu	65	959.839	15.681	0.001	0.14188	47.22	ug/L
	Zn	66	2177.713	4.636	0.004	0.83569	8.10	ug/L
>	Ge	72	305144.304	1.291	305144.304			ug/L
	As	75	-282.976	15.134	-0.001	-0.17024	15.26	ug/L
	Se	82	173.336	10.470	0.000	0.19687	61.67	ug/L
	Y	89	514579.081	1.257	-621.203			ug/L
	Mo	98	1366.305	6.371	0.004	0.31524	6.65	ug/L
	Ag	107	1360.817	15.194	0.003	0.22440	17.11	ug/L
	Cd	111	369.570	2.970	0.000	0.10657	9.43	ug/L
	Cd	114	450.065	20.358	0.001	0.12469	26.56	mg/L
>	In	115	370281.120	0.695	370281.120			ug/L
	Sb	121	308.674	8.205	0.001	0.06070	10.56	ug/L
	Ba	135	13276.759	2.488	0.030	13.44003	1.77	ug/L
>	Tb	159	437940.620	1.183	437940.620			ug/L
	Ho	165	397741.775	1.048	0.014			ug/L
	Tl	205	9303.586	0.942	0.021	1.62070	0.28	ug/L
	Pb	208	2110.140	4.597	0.004	0.22288	5.44	ug/L
	Bi	209	158630.672	1.030	0.012			ug/L
	Th	232	174.669	14.944	-0.000	-0.00620	53.65	ug/L
	U	238	569.359	4.448	0.001	0.07250	5.98	ug/L
	Na	23	2041489.153	1.339	6.206	0.48196	1.78	mg/L
	Mg	24	3344905.966	1.925	10.448	1.13823	2.97	mg/L
	K	39	2060489.831	2.039	2.247	0.08348	7.31	mg/L
	Ca	44	2287231.987	0.316	7.063	8.41606	1.03	mg/L
	Fe	54	54893.073	1.572	0.036	0.01715	11.68	mg/L
>	Sc-1	45	319650.847	1.025	319650.847			mg/L
	Kr	83	104.001	19.517	-18.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		91.876			
	Be	9					
	Al	27					
>	Sc	45		97.018			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.423			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		102.823			
	Sb	121					
	Ba	135					
>	Tb	159		91.391			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 08:46:56
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7517
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36984.482	2.447	36984.482			ug/L
	Be	9	11.333	26.956	0.000	0.01559	63.40	ug/L
	Al	27	15484.501	2.829	-0.009	-0.56638	31.60	ug/L
>	Sc	45	321046.226	5.434	321046.226			ug/L
	V	51	4336.383	9.133	0.001	0.03121	112.79	ug/L
	Cr	52	13487.206	1.771	0.002	0.05742	171.37	ug/L
	Mn	55	722.843	6.076	-0.001	-0.01782	33.14	ug/L
	Co	59	189.896	3.180	0.000	0.00233	50.47	ug/L
	Ni	60	89.894	19.328	-0.000	-0.00389	237.97	ug/L
	Cu	65	606.976	2.550	-0.000	-0.01993	69.35	ug/L
	Zn	66	469.351	10.097	-0.002	-0.38986	9.30	ug/L
>	Ge	72	311999.034	2.578	311999.034			ug/L
	As	75	66.018	163.223	0.000	0.05614	119.87	ug/L
	Se	82	155.335	4.139	0.000	0.05591	59.88	ug/L
	Y	89	547687.598	1.676	32487.314			ug/L
	Mo	98	358.248	10.634	0.001	0.07364	11.30	ug/L
	Ag	107	1008.082	9.450	0.002	0.15611	10.13	ug/L
	Cd	111	216.821	3.895	-0.000	-0.01675	23.40	ug/L
	Cd	114	58.517	6.282	-0.000	-0.01615	6.00	mg/L
>	In	115	376833.405	1.676	376833.405			ug/L
	Sb	121	85.334	19.933	0.000	0.00321	133.16	ug/L
	Ba	135	22.000	45.455	-0.000	-0.04764	19.28	ug/L
>	Tb	159	476102.842	1.220	476102.842			ug/L
	Ho	165	425608.134	1.719	-0.001			ug/L
	Tl	205	3803.159	5.030	0.007	0.58297	5.98	ug/L
	Pb	208	626.012	16.003	0.000	0.02027	59.44	ug/L
	Bi	209	166257.312	2.680	-0.001			ug/L
	Th	232	80.667	16.877	-0.000	-0.01991	8.09	ug/L
	U	238	18.667	26.964	-0.000	-0.00467	13.41	ug/L
	Na	23	15008.155	11.472	-0.134	-0.01039	5.93	mg/L
	Mg	24	3407.629	23.310	-0.008	-0.00082	40.14	mg/L
	K	39	1194132.235	0.920	-0.473	-0.01756	47.41	mg/L
	Ca	44	32330.745	0.993	0.008	0.00912	75.19	mg/L
	Fe	54	42885.932	2.156	-0.002	-0.00109	345.75	mg/L
>	Sc-1	45	321046.226	5.434	321046.226			mg/L
	Kr	83	141.335	8.646	19.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.574			
	Be	9					
	Al	27					
>	Sc	45		97.442			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		105.746			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		104.643			
	Sb	121					
	Ba	135					
>	Tb	159		99.355			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 08:49:44
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7518
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38511.672	2.556	38511.672			ug/L
	Be	9	15680.322	2.751	0.407	49.41644	3.95	ug/L
	Al	27	1412737.462	4.145	4.143	258.11848	2.29	ug/L
>	Sc	45	336216.637	2.260	336216.637			ug/L
	V	51	635533.362	1.607	1.878	48.55987	1.93	ug/L
	Cr	52	523143.511	2.593	1.517	48.59310	4.39	ug/L
	Mn	55	755937.677	1.728	2.246	50.88954	2.42	ug/L
	Co	59	588579.530	1.982	1.750	51.06221	2.29	ug/L
	Ni	60	124912.143	2.056	0.371	50.43390	3.47	ug/L
	Cu	65	121933.989	0.150	0.361	52.68119	2.15	ug/L
	Zn	66	72749.064	2.077	0.225	49.07459	0.89	ug/L
>	Ge	72	317974.694	1.196	317974.694			ug/L
	As	75	78553.892	1.176	0.247	49.41417	0.10	ug/L
	Se	82	8072.544	1.627	0.025	49.96728	2.74	ug/L
	Y	89	544482.586	0.835	29282.301			ug/L
	Mo	98	223043.133	1.390	0.563	49.67017	1.23	ug/L
	Ag	107	283993.746	0.736	0.717	48.89799	1.30	ug/L
	Cd	111	67896.010	0.284	0.171	49.82202	1.42	ug/L
	Cd	114	145929.394	0.713	0.368	48.92017	1.07	mg/L
>	In	115	395913.216	1.174	395913.216			ug/L
	Sb	121	207348.133	2.588	0.524	49.58159	3.24	ug/L
	Ba	135	55754.262	0.999	0.112	50.11245	0.90	ug/L
>	Tb	159	495099.274	0.672	495099.274			ug/L
	Ho	165	445243.461	1.294	0.005			ug/L
	Tl	205	315633.695	1.654	0.637	49.87293	1.93	ug/L
	Pb	208	420055.224	0.491	0.847	49.00908	0.20	ug/L
	Bi	209	173246.261	1.994	0.000			ug/L
	Th	232	403227.471	1.551	0.814	48.66363	2.08	ug/L
	U	238	393786.291	0.744	0.795	48.64941	0.78	ug/L
	Na	23	21259115.548	2.804	63.045	4.89580	0.75	mg/L
	Mg	24	15055520.385	3.246	44.775	4.87787	3.84	mg/L
	K	39	45783317.334	2.002	132.059	4.90705	4.41	mg/L
	Ca	44	1582129.347	3.458	4.613	5.49717	3.40	mg/L
	Fe	54	3729835.200	0.798	10.962	5.27635	2.91	mg/L
>	Sc-1	45	336216.637	2.260	336216.637			mg/L
	Kr	83	136.001	14.029	14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.273			
	Be	9	98.833				
	Al	27	103.247				
>	Sc	45		102.046			
	V	51	97.120				
	Cr	52	97.186				
	Mn	55	101.779				
	Co	59	102.124				
	Ni	60	100.868				
	Cu	65	105.362				
	Zn	66	98.149				
>	Ge	72		107.772			
	As	75	98.828				
	Se	82	99.935				
	Y	89					
	Mo	98	99.340				
	Ag	107	97.796				
	Cd	111	99.644				
	Cd	114					
>	In	115		109.941			
	Sb	121	99.163				
	Ba	135	100.225				
>	Tb	159		103.319			
	Ho	165					
	Tl	205	99.746				
	Pb	208	98.018				
	Bi	209					
	Th	232	97.327				
	U	238	97.299				
	Na	23	97.916				
	Mg	24	97.557				
	K	39	98.141				
	Ca	44	109.943				
	Fe	54	105.527				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 08:52:45
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7519
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38003.965	3.701	38003.965			ug/L
	Be	9	9.333	12.372	0.000	0.00837	56.05	ug/L
	Al	27	17253.124	2.560	-0.005	-0.28148	23.13	ug/L
>	Sc	45	326152.091	1.474	326152.091			ug/L
	V	51	3353.569	4.790	-0.002	-0.05274	21.59	ug/L
	Cr	52	12705.598	5.878	-0.001	-0.04361	186.05	ug/L
	Mn	55	903.735	5.871	-0.000	-0.00627	50.46	ug/L
	Co	59	225.671	1.459	0.000	0.00522	11.20	ug/L
	Ni	60	159.669	10.996	0.000	0.02429	30.06	ug/L
	Cu	65	1442.000	2.307	0.002	0.34927	5.12	ug/L
	Zn	66	1120.100	3.036	0.000	0.08146	40.09	ug/L
>	Ge	72	305194.535	1.172	305194.535			ug/L
	As	75	-22.087	135.663	0.000	0.00061	3198.25	ug/L
	Se	82	139.335	12.866	-0.000	-0.02644	467.87	ug/L
	Y	89	527896.023	1.770	12695.739			ug/L
	Mo	98	633.530	7.527	0.002	0.13519	10.03	ug/L
	Ag	107	902.732	10.687	0.002	0.13396	14.81	ug/L
	Cd	111	242.668	4.875	-0.000	-0.00067	740.13	ug/L
	Cd	114	109.686	10.447	0.000	0.00110	368.01	mg/L
>	In	115	384803.532	2.241	384803.532			ug/L
	Sb	121	362.010	2.210	0.001	0.07089	4.44	ug/L
	Ba	135	92.667	15.909	0.000	0.01526	81.55	ug/L
>	Tb	159	494269.540	1.110	494269.540			ug/L
	Ho	165	444369.845	0.578	0.005			ug/L
	Tl	205	1998.988	9.638	0.004	0.27428	12.35	ug/L
	Pb	208	784.686	6.379	0.001	0.03610	18.78	ug/L
	Bi	209	170382.175	1.493	-0.005			ug/L
	Th	232	208.003	12.574	-0.000	-0.00485	68.44	ug/L
	U	238	72.000	43.302	0.000	0.00188	212.23	ug/L
	Na	23	65241.857	4.431	0.019	0.00150	56.60	mg/L
	Mg	24	6619.081	32.403	0.002	0.00023	317.97	mg/L
	K	39	1340841.110	0.771	-0.089	-0.00330	33.87	mg/L
	Ca	44	32447.361	1.849	0.006	0.00746	51.83	mg/L
	Fe	54	44274.206	1.779	-0.000	-0.00017	976.07	mg/L
>	Sc-1	45	326152.091	1.474	326152.091			mg/L
	Kr	83	134.001	6.506	12.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		92.043			
	Be	9					
	Al	27					
>	Sc	45		98.992			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.440			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		106.856			
	Sb	121					
	Ba	135					
>	Tb	159		103.146			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-08 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:55:48
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-08 @5X.7520
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39584.353	2.722	39584.353			ug/L
	Be	9	7.333	41.660	0.000	0.00086	1052.49	ug/L
	Al	27	48328.960	3.578	0.087	5.44443	8.22	ug/L
>	Sc	45	333930.563	2.429	333930.563			ug/L
	V	51	479.535	305.871	-0.011	-0.27963	40.37	ug/L
	Cr	52	15674.991	4.458	0.007	0.21349	47.79	ug/L
	Mn	55	389923.431	2.528	1.165	26.38868	0.35	ug/L
	Co	59	-1440.260	2.749	-0.005	-0.14088	4.56	ug/L
	Ni	60	-822.171	10.303	-0.003	-0.37635	8.00	ug/L
	Cu	65	370.343	19.104	-0.001	-0.13478	21.37	ug/L
	Zn	66	9829.725	1.575	0.028	6.19887	1.62	ug/L
>	Ge	72	309388.488	2.548	309388.488			ug/L
	As	75	-330.339	27.128	-0.001	-0.19891	29.68	ug/L
	Se	82	152.002	6.837	0.000	0.04247	130.60	ug/L
	Y	89	523485.922	1.063	8285.637			ug/L
	Mo	98	1206.720	6.787	0.003	0.27459	7.53	ug/L
	Ag	107	759.380	15.816	0.002	0.11235	20.09	ug/L
	Cd	111	376.479	11.127	0.000	0.10908	28.50	ug/L
	Cd	114	452.947	7.713	0.001	0.12413	9.35	mg/L
>	In	115	373803.215	0.803	373803.215			ug/L
	Sb	121	229.338	14.860	0.000	0.03984	21.18	ug/L
	Ba	135	13633.523	1.751	0.029	13.03176	3.36	ug/L
>	Tb	159	463935.093	1.914	463935.093			ug/L
	Ho	165	418060.199	1.568	0.007			ug/L
	Tl	205	2928.687	3.475	0.006	0.45199	5.87	ug/L
	Pb	208	1118.705	3.631	0.001	0.08378	8.67	ug/L
	Bi	209	159888.005	0.501	-0.005			ug/L
	Th	232	134.668	30.085	-0.000	-0.01271	38.97	ug/L
	U	238	766.047	5.903	0.002	0.09390	4.40	ug/L
	Na	23	2708659.163	2.653	7.932	0.61600	2.88	mg/L
	Mg	24	4223534.358	5.478	12.634	1.37636	5.92	mg/L
	K	39	2601040.493	1.958	3.593	0.13352	8.37	mg/L
	Ca	44	3070531.575	3.330	9.101	10.84483	1.31	mg/L
	Fe	54	61836.392	2.017	0.049	0.02363	5.87	mg/L
>	Sc-1	45	333930.563	2.429	333930.563			mg/L
	Kr	83	112.668	12.594	-9.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		95.871			
	Be	9					
	Al	27					
>	Sc	45		101.353			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		104.862			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		103.801			
	Sb	121					
	Ba	135					
>	Tb	159		96.815			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-11 @5X

Sample Date/Time: Tuesday, November 30, 2010 08:58:36
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-11 @5X.7521
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37132.732	3.419	37132.732			ug/L
	Be	9	11.333	44.411	0.000	0.01581	108.71	ug/L
	Al	27	56529.399	3.760	0.116	7.21075	9.96	ug/L
>	Sc	45	326926.823	3.624	326926.823			ug/L
	V	51	-1243.485	159.729	-0.016	-0.41610	37.72	ug/L
	Cr	52	16957.641	0.523	0.012	0.37118	15.74	ug/L
	Mn	55	683094.005	1.537	2.088	47.31095	3.49	ug/L
	Co	59	-1512.856	2.642	-0.005	-0.15011	4.85	ug/L
	Ni	60	-948.084	8.770	-0.003	-0.43609	7.39	ug/L
	Cu	65	786.189	5.366	0.000	0.05492	36.97	ug/L
	Zn	66	51910.022	0.773	0.167	36.25433	0.94	ug/L
>	Ge	72	305590.581	0.185	305590.581			ug/L
	As	75	-360.992	84.768	-0.001	-0.22102	90.37	ug/L
	Se	82	162.002	6.533	0.000	0.12066	59.21	ug/L
	Y	89	518985.436	0.234	3785.152			ug/L
	Mo	98	1598.963	5.576	0.004	0.36450	4.93	ug/L
	Ag	107	492.686	4.147	0.001	0.06300	1.35	ug/L
	Cd	111	518.911	3.384	0.001	0.21751	1.10	ug/L
	Cd	114	749.980	3.912	0.002	0.22788	2.40	mg/L
>	In	115	376413.900	3.784	376413.900			ug/L
	Sb	121	183.336	10.078	0.000	0.02792	17.17	ug/L
	Ba	135	12287.402	1.488	0.028	12.28623	0.59	ug/L
>	Tb	159	443180.207	1.270	443180.207			ug/L
	Ho	165	400712.917	0.570	0.010			ug/L
	Tl	205	2081.680	1.381	0.004	0.32523	2.71	ug/L
	Pb	208	1191.380	6.632	0.002	0.09967	9.36	ug/L
	Bi	209	157854.030	0.987	0.006			ug/L
	Th	232	139.335	34.460	-0.000	-0.01120	58.70	ug/L
	U	238	1062.758	10.154	0.002	0.13971	11.31	ug/L
	Na	23	3120144.234	3.857	9.363	0.72708	1.09	mg/L
	Mg	24	4523394.208	2.414	13.838	1.50754	6.06	mg/L
	K	39	2656951.823	3.449	3.939	0.14635	13.23	mg/L
	Ca	44	3688321.457	3.558	11.189	13.33288	0.32	mg/L
	Fe	54	75983.356	3.923	0.096	0.04641	9.72	mg/L
>	Sc-1	45	326926.823	3.624	326926.823			mg/L
	Kr	83	146.002	5.971	24.001			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.933			
	Be	9					
	Al	27					
>	Sc	45		99.227			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		103.574			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		104.526			
	Sb	121					
	Ba	135					
>	Tb	159		92.484			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-14 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:01:24
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-14 @5X.7522
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36358.786	0.578	36358.786			ug/L
	Be	9	10.667	57.282	0.000	0.01400	144.61	ug/L
	Al	27	68768.619	6.429	0.163	10.16971	11.10	ug/L
>	Sc	45	311950.905	2.066	311950.905			ug/L
	V	51	-2887.131	53.674	-0.022	-0.55964	23.70	ug/L
	Cr	52	16071.974	1.293	0.011	0.35931	14.73	ug/L
	Mn	55	1098388.565	1.731	3.519	79.72561	1.89	ug/L
	Co	59	-1364.894	8.321	-0.005	-0.14258	7.06	ug/L
	Ni	60	-890.762	22.294	-0.003	-0.42967	19.76	ug/L
	Cu	65	1621.542	7.509	0.003	0.46250	11.31	ug/L
	Zn	66	107177.950	1.454	0.354	76.96399	1.31	ug/L
>	Ge	72	300292.330	0.665	300292.330			ug/L
	As	75	-136.687	222.294	-0.000	-0.07628	264.73	ug/L
	Se	82	143.335	8.176	0.000	0.01482	540.40	ug/L
	Y	89	503848.771	1.019	-11351.513			ug/L
	Mo	98	2396.542	3.413	0.007	0.58055	5.83	ug/L
	Ag	107	326.009	3.416	0.001	0.03586	7.67	ug/L
	Cd	111	715.640	6.012	0.001	0.39788	5.18	ug/L
	Cd	114	1239.299	6.162	0.003	0.42304	7.16	mg/L
>	In	115	358092.174	2.455	358092.174			ug/L
	Sb	121	177.336	1.723	0.000	0.02869	6.47	ug/L
	Ba	135	11447.813	2.796	0.027	11.92351	1.86	ug/L
>	Tb	159	425362.328	1.524	425362.328			ug/L
	Ho	165	385430.007	3.394	0.011			ug/L
	Tl	205	1783.588	2.908	0.004	0.28567	2.04	ug/L
	Pb	208	1467.400	2.382	0.002	0.14382	5.33	ug/L
	Bi	209	153890.217	0.354	0.012			ug/L
	Th	232	72.667	25.573	-0.000	-0.01984	12.33	ug/L
	U	238	1384.820	4.430	0.003	0.19204	3.23	ug/L
	Na	23	3435558.437	5.652	10.831	0.84106	4.86	mg/L
	Mg	24	5044545.945	3.309	16.161	1.76059	4.72	mg/L
	K	39	2745566.533	1.129	4.603	0.17102	2.67	mg/L
	Ca	44	4558980.356	2.105	14.521	17.30429	0.95	mg/L
	Fe	54	94377.128	1.437	0.167	0.08015	5.04	mg/L
>	Sc-1	45	311950.905	2.066	311950.905			mg/L
	Kr	83	130.001	12.593	8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		88.059			
	Be	9					
	Al	27					
>	Sc	45		94.681			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.779			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.439			
	Sb	121					
	Ba	135					
>	Tb	159		88.766			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-17 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:04:11
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-17 @5X.7523
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36493.633	3.084	36493.633			ug/L
	Be	9	11.333	61.974	0.000	0.01575	141.54	ug/L
	Al	27	83785.395	2.345	0.213	13.29821	5.64	ug/L
>	Sc	45	309521.673	2.613	309521.673			ug/L
	V	51	-352.355	943.640	-0.014	-0.35251	79.39	ug/L
	Cr	52	16067.308	3.291	0.012	0.37133	13.16	ug/L
	Mn	55	758484.056	0.966	2.448	55.47237	1.70	ug/L
	Co	59	-1119.960	4.437	-0.004	-0.12063	5.91	ug/L
	Ni	60	-882.581	9.326	-0.003	-0.43007	10.36	ug/L
	Cu	65	2707.137	6.482	0.007	0.98028	6.51	ug/L
	Zn	66	55563.898	0.447	0.183	39.85351	1.15	ug/L
>	Ge	72	298105.043	1.207	298105.043			ug/L
	As	75	-133.069	390.921	-0.000	-0.07664	455.28	ug/L
	Se	82	147.335	9.039	0.000	0.04803	162.14	ug/L
	Y	89	496856.922	1.483	-18343.362			ug/L
	Mo	98	1665.044	3.101	0.005	0.40960	4.14	ug/L
	Ag	107	321.342	5.294	0.001	0.03641	11.12	ug/L
	Cd	111	499.279	5.875	0.001	0.23153	9.76	ug/L
	Cd	114	806.525	5.042	0.002	0.26937	5.51	mg/L
>	In	115	349895.499	1.450	349895.499			ug/L
	Sb	121	157.335	10.196	0.000	0.02438	19.62	ug/L
	Ba	135	11811.820	1.730	0.028	12.44580	2.27	ug/L
>	Tb	159	420644.175	1.096	420644.175			ug/L
	Ho	165	388808.942	0.935	0.030			ug/L
	Tl	205	1513.517	6.819	0.003	0.23900	6.76	ug/L
	Pb	208	2090.137	3.105	0.004	0.23168	5.17	ug/L
	Bi	209	153383.513	1.312	0.015			ug/L
	Th	232	78.667	3.884	-0.000	-0.01884	2.95	ug/L
	U	238	939.404	3.986	0.002	0.12957	4.53	ug/L
	Na	23	2861670.250	4.129	9.063	0.70379	2.10	mg/L
	Mg	24	4193443.550	2.081	13.535	1.47456	3.09	mg/L
	K	39	2496688.503	3.323	3.869	0.14377	8.07	mg/L
	Ca	44	3370207.568	2.804	10.799	12.86821	3.37	mg/L
	Fe	54	118978.262	1.321	0.248	0.11955	2.51	mg/L
>	Sc-1	45	309521.673	2.613	309521.673			mg/L
	Kr	83	124.001	11.290	2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		88.385			
	Be	9					
	Al	27					
>	Sc	45		93.944			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.037			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.162			
	Sb	121					
	Ba	135					
>	Tb	159		87.781			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-20 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:06:59
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-20 @5X.7524
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36397.053	2.621	36397.053			ug/L
	Be	9	20.000	20.000	0.000	0.04502	27.13	ug/L
	Al	27	2163543.402	3.223	6.991	435.53694	1.92	ug/L
>	Sc	45	306894.932	1.729	306894.932			ug/L
	V	51	9087.674	24.192	0.017	0.44596	39.54	ug/L
	Cr	52	20500.237	1.410	0.026	0.84871	6.54	ug/L
	Mn	55	741036.007	1.415	2.412	54.64516	0.34	ug/L
	Co	59	1523.322	6.134	0.004	0.12975	4.95	ug/L
	Ni	60	465.432	18.921	0.001	0.16335	21.77	ug/L
	Cu	65	6977.696	4.074	0.021	3.02598	6.36	ug/L
	Zn	66	30699.221	1.437	0.102	22.27686	0.93	ug/L
>	Ge	72	290576.498	1.102	290576.498			ug/L
	As	75	497.585	6.030	0.002	0.35756	6.74	ug/L
	Se	82	168.002	5.456	0.000	0.21673	26.61	ug/L
	Y	89	496599.667	2.713	-18600.617			ug/L
	Mo	98	1394.685	3.331	0.004	0.35122	2.84	ug/L
	Ag	107	714.041	7.427	0.002	0.11688	9.75	ug/L
	Cd	111	449.820	10.834	0.001	0.20100	21.13	ug/L
	Cd	114	568.546	4.853	0.001	0.18510	5.30	mg/L
>	In	115	340291.077	0.585	340291.077			ug/L
	Sb	121	393.346	3.608	0.001	0.09123	4.48	ug/L
	Ba	135	19480.315	1.302	0.048	21.21823	1.41	ug/L
>	Tb	159	407797.649	0.242	407797.649			ug/L
	Ho	165	371727.305	0.289	0.017			ug/L
	Tl	205	1328.808	1.358	0.003	0.21253	1.80	ug/L
	Pb	208	67769.056	1.923	0.165	9.55492	2.17	ug/L
	Bi	209	153899.219	3.470	0.028			ug/L
	Th	232	764.047	3.423	0.001	0.08199	4.99	ug/L
	U	238	1346.812	4.176	0.003	0.19497	4.36	ug/L
	Na	23	1851438.558	6.898	5.857	0.45485	8.60	mg/L
	Mg	24	4677180.271	3.601	15.220	1.65804	2.28	mg/L
	K	39	3377696.901	3.252	6.806	0.25290	4.50	mg/L
	Ca	44	3534312.864	1.006	11.424	13.61332	0.76	mg/L
	Fe	54	798420.967	1.184	2.466	1.18702	2.57	mg/L
>	Sc-1	45	306894.932	1.729	306894.932			mg/L
	Kr	83	123.335	8.322	1.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		88.151			
	Be	9					
	Al	27					
>	Sc	45		93.147			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.486			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.495			
	Sb	121					
	Ba	135					
>	Tb	159		85.101			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-23 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:09:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-23 @5X.7525
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	35442.240	2.200	35442.240			ug/L
	Be	9	24.667	12.385	0.001	0.06292	16.66	ug/L
	Al	27	2892384.933	2.260	9.648	601.03721	6.22	ug/L
>	Sc	45	298516.126	4.104	298516.126			ug/L
	V	51	15802.520	9.884	0.041	1.05359	16.44	ug/L
	Cr	52	20319.688	4.460	0.028	0.88972	9.73	ug/L
	Mn	55	7063914.215	3.301	23.667	536.25378	1.46	ug/L
	Co	59	4759.074	5.037	0.015	0.45011	3.34	ug/L
	Ni	60	859.820	11.504	0.003	0.35054	16.92	ug/L
	Cu	65	25969.098	2.389	0.085	12.42592	5.82	ug/L
	Zn	66	104148.117	1.916	0.368	80.12645	2.82	ug/L
>	Ge	72	280434.398	0.883	280434.398			ug/L
	As	75	1993.747	4.474	0.007	1.43651	4.11	ug/L
	Se	82	141.335	2.946	0.000	0.06829	50.80	ug/L
	Y	89	481545.318	1.318	-33654.967			ug/L
	Mo	98	3409.022	3.675	0.010	0.90060	4.92	ug/L
	Ag	107	3581.693	3.021	0.010	0.71373	4.29	ug/L
	Cd	111	1108.668	3.758	0.003	0.79436	3.67	ug/L
	Cd	114	1985.381	0.287	0.006	0.76189	1.52	mg/L
>	In	115	330214.595	1.744	330214.595			ug/L
	Sb	121	755.379	8.566	0.002	0.19854	10.59	ug/L
	Ba	135	17850.121	0.747	0.045	20.03743	1.83	ug/L
>	Tb	159	395663.936	1.068	395663.936			ug/L
	Ho	165	357685.674	1.762	0.009			ug/L
	Tl	205	1336.143	3.849	0.003	0.22189	5.85	ug/L
	Pb	208	1062939.373	1.294	2.686	155.32716	2.30	ug/L
	Bi	209	159955.804	0.995	0.054			ug/L
	Th	232	1112.099	4.050	0.002	0.13798	3.78	ug/L
	U	238	1300.135	3.275	0.003	0.19397	3.65	ug/L
	Na	23	1959728.946	3.064	6.386	0.49595	1.95	mg/L
	Mg	24	4427403.372	2.498	14.824	1.61493	3.39	mg/L
	K	39	3850331.961	0.222	8.713	0.32376	6.25	mg/L
	Ca	44	3788601.339	3.509	12.601	15.01525	1.11	mg/L
	Fe	54	1870473.760	1.575	6.136	2.95319	3.73	mg/L
>	Sc-1	45	298516.126	4.104	298516.126			mg/L
	Kr	83	130.668	10.191	8.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		85.839			
	Be	9					
	Al	27					
>	Sc	45		90.604			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		95.048			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		91.697			
	Sb	121					
	Ba	135					
>	Tb	159		82.568			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-26 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:12:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-26 @5X.7526
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	35222.307	0.705	35222.307			ug/L
	Be	9	11.333	20.377	0.000	0.01746	43.85	ug/L
	Al	27	916037.946	2.513	3.041	189.45889	2.65	ug/L
>	Sc	45	295672.221	2.178	295672.221			ug/L
	V	51	4322.848	26.882	0.002	0.05834	164.50	ug/L
	Cr	52	15017.390	5.494	0.010	0.33599	30.21	ug/L
	Mn	55	722462.294	0.745	2.441	55.32019	2.96	ug/L
	Co	59	5959.989	3.042	0.020	0.57339	4.85	ug/L
	Ni	60	1770.715	3.905	0.006	0.77103	2.89	ug/L
	Cu	65	4745.765	1.221	0.014	2.04805	2.37	ug/L
	Zn	66	66161.108	2.107	0.226	49.29212	1.27	ug/L
>	Ge	72	287924.474	1.012	287924.474			ug/L
	As	75	1165.675	13.669	0.004	0.82451	13.30	ug/L
	Se	82	132.001	5.249	-0.000	-0.02328	181.18	ug/L
	Y	89	482103.103	0.981	-33097.182			ug/L
	Mo	98	7120.804	0.970	0.021	1.87085	0.35	ug/L
	Ag	107	1728.906	4.230	0.005	0.32693	4.28	ug/L
	Cd	111	439.083	10.640	0.001	0.19922	21.64	ug/L
	Cd	114	633.513	17.563	0.002	0.21501	19.41	mg/L
>	In	115	333828.440	1.027	333828.440			ug/L
	Sb	121	3085.429	3.101	0.009	0.85713	3.94	ug/L
	Ba	135	15622.167	0.591	0.038	17.09373	1.28	ug/L
>	Tb	159	405651.118	0.916	405651.118			ug/L
	Ho	165	366141.036	0.500	0.008			ug/L
	Tl	205	1146.772	4.345	0.002	0.17872	4.65	ug/L
	Pb	208	87714.451	0.611	0.215	12.44948	0.99	ug/L
	Bi	209	148629.289	1.091	0.017			ug/L
	Th	232	619.364	2.747	0.001	0.06124	2.74	ug/L
	U	238	3142.790	2.012	0.008	0.46685	1.18	ug/L
	Na	23	1821756.528	5.753	5.987	0.46496	8.11	mg/L
	Mg	24	4691717.173	1.864	15.854	1.72713	2.52	mg/L
	K	39	2621981.642	1.809	4.668	0.17347	1.94	mg/L
	Ca	44	3175967.648	1.981	10.652	12.69348	3.21	mg/L
	Fe	54	249560.861	0.350	0.708	0.34088	2.83	mg/L
>	Sc-1	45	295672.221	2.178	295672.221			mg/L
	Kr	83	119.334	5.120	-2.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈>	Li	6		85.306			
⌊	Be	9					
⌈	Al	27					
|>	Sc	45		89.741			
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
|	Ni	60					
⌊	Cu	65					
⌈	Zn	66					
|>	Ge	72		97.587			
|	As	75					
⌊	Se	82					
	Y	89					
⌈	Mo	98					
|	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115		92.701			
⌊	Sb	121					
⌈	Ba	135					
|>	Tb	159		84.653			
|	Ho	165					
|	Tl	205					
|	Pb	208					
|	Bi	209					
|	Th	232					
⌊	U	238					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	44					
|	Fe	54					
⌊>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-29 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:15:22
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-29 @5X.7527
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	32633.053	3.795	32633.053			ug/L
	Be	9	13.333	48.218	0.000	0.02794	85.66	ug/L
	Al	27	1210726.839	3.516	4.478	278.97513	3.63	ug/L
>	Sc	45	267041.140	3.453	267041.140			ug/L
	V	51	4872.724	14.733	0.006	0.15347	46.74	ug/L
	Cr	52	14179.402	1.427	0.013	0.41074	17.59	ug/L
	Mn	55	2055846.547	4.002	7.697	174.41404	3.46	ug/L
	Co	59	-2176.839	12.473	-0.009	-0.25357	14.51	ug/L
	Ni	60	-1845.317	6.269	-0.007	-0.98269	9.11	ug/L
	Cu	65	-493.468	9.381	-0.004	-0.56635	4.32	ug/L
	Zn	66	8997.141	2.516	0.031	6.69859	1.41	ug/L
>	Ge	72	264069.003	2.668	264069.003			ug/L
	As	75	1150.669	6.011	0.004	0.88765	8.61	ug/L
	Se	82	132.001	9.091	0.000	0.06031	153.27	ug/L
	Y	89	464124.483	2.985	-51075.802			ug/L
	Mo	98	8310.065	3.273	0.026	2.32389	3.48	ug/L
	Ag	107	306.008	6.633	0.001	0.04016	8.14	ug/L
	Cd	111	287.862	6.778	0.000	0.08298	25.44	ug/L
	Cd	114	249.920	5.858	0.001	0.06889	6.55	mg/L
>	In	115	314009.608	1.816	314009.608			ug/L
	Sb	121	182.003	5.815	0.000	0.03670	11.19	ug/L
	Ba	135	8654.656	1.737	0.022	9.96238	1.63	ug/L
>	Tb	159	384523.950	2.020	384523.950			ug/L
	Ho	165	350662.983	2.199	0.017			ug/L
	Tl	205	1029.419	9.202	0.002	0.16703	11.59	ug/L
	Pb	208	8134.040	1.284	0.020	1.16796	2.86	ug/L
	Bi	209	152523.414	0.962	0.047			ug/L
	Th	232	871.394	6.437	0.002	0.10553	9.39	ug/L
	U	238	2108.356	4.113	0.005	0.32831	3.08	ug/L
	Na	23	5124489.513	2.405	19.023	1.47727	4.06	mg/L
	Mg	24	7551873.876	3.886	28.265	3.07919	2.62	mg/L
	K	39	3624615.334	3.271	9.390	0.34890	8.57	mg/L
	Ca	44	8769511.569	4.005	32.762	39.03993	4.35	mg/L
	Fe	54	498016.536	3.271	1.730	0.83265	4.38	mg/L
>	Sc-1	45	267041.140	3.453	267041.140			mg/L
	Kr	83	118.668	20.596	-3.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		79.035			
	Be	9					
	Al	27					
>	Sc	45		81.051			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		89.501			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		87.197			
	Sb	121					
	Ba	135					
>	Tb	159		80.244			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-32 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:18:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-32 @5X.7528
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	31798.693	1.051	31798.693			ug/L
	Be	9	6.000	33.333	0.000	0.00136	562.65	ug/L
	Al	27	66391.092	3.791	0.198	12.34202	5.53	ug/L
>	Sc	45	259847.752	0.504	259847.752			ug/L
	V	51	380.339	408.482	-0.011	-0.28096	55.14	ug/L
	Cr	52	12971.447	0.738	0.010	0.30731	4.01	ug/L
	Mn	55	139303.845	5.835	0.533	12.07672	5.50	ug/L
	Co	59	-5585.319	6.581	-0.022	-0.64196	6.35	ug/L
	Ni	60	-3100.403	14.369	-0.012	-1.66208	13.67	ug/L
	Cu	65	-1440.421	8.518	-0.008	-1.10602	6.32	ug/L
	Zn	66	216518.571	2.905	0.832	181.00410	2.50	ug/L
>	Ge	72	259385.455	3.019	259385.455			ug/L
	As	75	-140.813	84.616	-0.000	-0.09328	96.54	ug/L
	Se	82	158.002	19.114	0.000	0.28178	87.95	ug/L
	Y	89	438642.219	1.270	-76558.066			ug/L
	Mo	98	6950.107	5.026	0.022	1.96901	5.18	ug/L
	Ag	107	260.672	14.196	0.000	0.03114	26.01	ug/L
	Cd	111	1397.276	3.561	0.004	1.13100	3.80	ug/L
	Cd	114	2752.271	2.417	0.009	1.14370	2.86	mg/L
>	In	115	309676.853	0.391	309676.853			ug/L
	Sb	121	169.336	23.896	0.000	0.03356	37.11	ug/L
	Ba	135	3060.083	3.667	0.008	3.54505	3.98	ug/L
>	Tb	159	377437.992	1.672	377437.992			ug/L
	Ho	165	344914.450	1.880	0.019			ug/L
	Tl	205	879.395	2.844	0.002	0.13988	4.93	ug/L
	Pb	208	4519.306	4.109	0.011	0.63650	2.69	ug/L
	Bi	209	150926.193	1.606	0.050			ug/L
	Th	232	72.667	17.908	-0.000	-0.01850	11.70	ug/L
	U	238	4947.291	1.185	0.013	0.79498	2.50	ug/L
	Na	23	6030244.754	1.870	23.028	1.78824	2.37	mg/L
	Mg	24	8854824.586	6.225	34.063	3.71087	6.50	mg/L
	K	39	2808129.319	2.707	6.607	0.24551	4.82	mg/L
	Ca	44	10307566.113	4.410	39.572	47.15572	4.20	mg/L
	Fe	54	55403.913	4.494	0.077	0.03710	11.62	mg/L
>	Sc-1	45	259847.752	0.504	259847.752			mg/L
	Kr	83	120.001	10.138	-2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		77.014			
	Be	9					
	Al	27					
>	Sc	45		78.867			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		87.914			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.994			
	Sb	121					
	Ba	135					
>	Tb	159		78.765			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 09:20:58
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7529
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38667.980	2.882	38667.980			ug/L
	Be	9	12.667	9.116	0.000	0.01827	24.45	ug/L
	Al	27	17049.900	2.458	-0.003	-0.19158	61.83	ug/L
>	Sc	45	313921.134	3.055	313921.134			ug/L
	V	51	3539.548	9.334	-0.001	-0.02687	104.22	ug/L
	Cr	52	12785.066	1.887	0.000	0.01386	419.34	ug/L
	Mn	55	899.434	1.532	-0.000	-0.00407	69.17	ug/L
	Co	59	106.808	21.710	-0.000	-0.00506	39.24	ug/L
	Ni	60	32.807	4.000	-0.000	-0.02799	2.56	ug/L
	Cu	65	292.077	22.607	-0.001	-0.15990	22.08	ug/L
	Zn	66	637.366	6.072	-0.001	-0.24593	13.12	ug/L
>	Ge	72	294245.597	1.614	294245.597			ug/L
	As	75	60.294	86.427	0.000	0.05570	63.07	ug/L
	Se	82	127.335	7.423	-0.000	-0.07441	91.63	ug/L
	Y	89	509823.127	1.893	-5377.158			ug/L
	Mo	98	99.343	15.922	0.000	0.01489	29.97	ug/L
	Ag	107	178.003	4.898	0.000	0.00841	31.64	ug/L
	Cd	111	211.345	12.452	-0.000	-0.00892	206.20	ug/L
	Cd	114	66.337	16.774	-0.000	-0.01157	40.81	mg/L
>	In	115	350592.667	2.741	350592.667			ug/L
	Sb	121	27.333	27.702	-0.000	-0.01087	17.63	ug/L
	Ba	135	19.333	15.802	-0.000	-0.04788	6.32	ug/L
>	Tb	159	423683.440	1.367	423683.440			ug/L
	Ho	165	378835.202	1.815	-0.000			ug/L
	Tl	205	507.354	6.565	0.001	0.05112	9.61	ug/L
	Pb	208	332.670	13.245	-0.000	-0.01030	63.19	ug/L
	Bi	209	161237.711	1.708	0.031			ug/L
	Th	232	48.667	39.059	-0.000	-0.02314	11.94	ug/L
	U	238	18.000	55.556	-0.000	-0.00446	32.41	ug/L
	Na	23	16232.072	15.914	-0.129	-0.01003	5.59	mg/L
	Mg	24	3465.008	27.249	-0.007	-0.00078	38.38	mg/L
	K	39	1161465.181	1.946	-0.499	-0.01854	16.08	mg/L
	Ca	44	29767.400	1.732	0.002	0.00194	208.29	mg/L
	Fe	54	40498.438	4.628	-0.007	-0.00333	142.85	mg/L
>	Sc-1	45	313921.134	3.055	313921.134			mg/L
	Kr	83	118.668	1.946	-3.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.651			
	Be	9					
	Al	27					
>	Sc	45		95.279			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.729			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.356			
	Sb	121					
	Ba	135					
>	Tb	159		88.416			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 09:23:45
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7530
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40977.948	2.403	40977.948			ug/L
	Be	9	17386.822	1.642	0.424	51.50546	4.03	ug/L
	Al	27	1444132.930	2.169	4.409	274.67985	3.15	ug/L
>	Sc	45	323375.286	1.007	323375.286			ug/L
	V	51	623846.961	2.486	1.917	49.56304	3.10	ug/L
	Cr	52	517592.129	3.791	1.561	50.00650	4.60	ug/L
	Mn	55	721435.722	1.557	2.228	50.47959	0.56	ug/L
	Co	59	567148.684	1.332	1.754	51.15231	2.14	ug/L
	Ni	60	120049.981	2.920	0.371	50.38496	3.75	ug/L
	Cu	65	116970.030	1.624	0.360	52.53287	2.42	ug/L
	Zn	66	69871.785	1.495	0.231	50.18656	0.22	ug/L
>	Ge	72	298743.960	1.326	298743.960			ug/L
	As	75	75711.665	0.555	0.254	50.69895	1.70	ug/L
	Se	82	7575.256	2.305	0.025	49.90134	2.63	ug/L
	Y	89	502569.997	1.133	-12630.287			ug/L
	Mo	98	207545.039	0.685	0.568	50.08572	0.51	ug/L
	Ag	107	267789.670	3.235	0.733	49.95791	2.64	ug/L
	Cd	111	65164.211	2.153	0.178	51.82457	2.54	ug/L
	Cd	114	141943.343	1.464	0.388	51.56363	1.04	mg/L
>	In	115	365350.223	1.188	365350.223			ug/L
	Sb	121	194646.048	2.839	0.533	50.42690	2.29	ug/L
	Ba	135	51672.074	1.196	0.118	52.64753	1.35	ug/L
>	Tb	159	436879.395	2.544	436879.395			ug/L
	Ho	165	395791.504	1.353	0.012			ug/L
	Tl	205	293448.787	1.074	0.671	52.55945	1.47	ug/L
	Pb	208	395670.011	1.040	0.905	52.33423	1.78	ug/L
	Bi	209	160964.174	1.809	0.019			ug/L
	Th	232	381588.627	1.489	0.873	52.20062	1.85	ug/L
	U	238	377332.543	0.917	0.864	52.85893	3.41	ug/L
	Na	23	22259408.522	1.753	68.658	5.33170	2.01	mg/L
	Mg	24	15228928.366	0.901	47.081	5.12909	1.90	mg/L
	K	39	46608190.979	1.549	139.946	5.20011	2.21	mg/L
	Ca	44	1570825.502	0.795	4.765	5.67759	0.96	mg/L
	Fe	54	3572181.068	0.958	10.912	5.25207	1.84	mg/L
>	Sc-1	45	323375.286	1.007	323375.286			mg/L
	Kr	83	136.001	14.029	14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.246			
	Be	9	103.011				
	Al	27	109.872				
>	Sc	45		98.149			
	V	51	99.126				
	Cr	52	100.013				
	Mn	55	100.959				
	Co	59	102.305				
	Ni	60	100.770				
	Cu	65	105.066				
	Zn	66	100.373				
>	Ge	72		101.254			
	As	75	101.398				
	Se	82	99.803				
	Y	89					
	Mo	98	100.171				
	Ag	107	99.916				
	Cd	111	103.649				
	Cd	114					
>	In	115		101.454			
	Sb	121	100.854				
	Ba	135	105.295				
>	Tb	159		91.169			
	Ho	165					
	Tl	205	105.119				
	Pb	208	104.668				
	Bi	209					
	Th	232	104.401				
	U	238	105.718				
	Na	23	106.634				
	Mg	24	102.582				
	K	39	104.002				
	Ca	44	113.552				
	Fe	54	105.041				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 09:26:46
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7531
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40352.547	1.973	40352.547			ug/L
	Be	9	8.667	48.038	0.000	0.00440	279.66	ug/L
	Al	27	18821.646	2.838	0.001	0.03127	163.80	ug/L
>	Sc	45	324992.515	2.890	324992.515			ug/L
	V	51	3682.737	3.234	-0.001	-0.02560	4.72	ug/L
	Cr	52	12644.114	2.095	-0.001	-0.04496	93.66	ug/L
	Mn	55	1050.258	8.637	0.000	0.00429	176.40	ug/L
	Co	59	224.304	26.879	0.000	0.00517	103.55	ug/L
	Ni	60	166.969	11.594	0.000	0.02776	36.55	ug/L
	Cu	65	1263.945	3.046	0.002	0.27190	10.17	ug/L
	Zn	66	1219.453	6.492	0.001	0.17862	28.62	ug/L
>	Ge	72	296105.650	1.962	296105.650			ug/L
	As	75	41.507	80.425	0.000	0.04329	53.44	ug/L
	Se	82	146.668	4.166	0.000	0.05056	50.49	ug/L
	Y	89	519332.193	1.549	4131.909			ug/L
	Mo	98	465.652	16.184	0.001	0.10086	19.11	ug/L
	Ag	107	721.375	9.643	0.002	0.10671	13.68	ug/L
	Cd	111	258.352	8.280	0.000	0.01891	85.71	ug/L
	Cd	114	114.249	28.484	0.000	0.00422	276.30	mg/L
>	In	115	370340.554	1.280	370340.554			ug/L
	Sb	121	378.011	3.218	0.001	0.07846	5.55	ug/L
	Ba	135	70.000	11.429	-0.000	-0.00006	14639.73	ug/L
>	Tb	159	458040.702	0.740	458040.702			ug/L
	Ho	165	409021.382	0.540	-0.002			ug/L
	Tl	205	542.024	10.045	0.001	0.05006	18.67	ug/L
	Pb	208	592.677	4.219	0.000	0.01909	19.36	ug/L
	Bi	209	166097.813	1.559	0.013			ug/L
	Th	232	220.004	20.470	-0.000	-0.00133	427.63	ug/L
	U	238	111.335	59.698	0.000	0.00783	114.43	ug/L
	Na	23	75388.817	2.578	0.051	0.00398	13.54	mg/L
	Mg	24	7446.585	22.657	0.005	0.00051	105.43	mg/L
	K	39	1377094.066	0.955	0.040	0.00148	348.52	mg/L
	Ca	44	28715.156	1.424	-0.005	-0.00578	54.42	mg/L
	Fe	54	43178.987	3.328	-0.003	-0.00155	114.49	mg/L
>	Sc-1	45	324992.515	2.890	324992.515			mg/L
	Kr	83	130.001	4.615	8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		97.731			
	Be	9					
	Al	27					
>	Sc	45		98.640			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		100.360			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		102.840			
	Sb	121					
	Ba	135					
>	Tb	159		95.585			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-35 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:29:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-35 @5X.7532
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39160.301	0.451	39160.301			ug/L
	Be	9	7.333	31.492	0.000	0.00115	611.49	ug/L
	Al	27	22475.715	3.922	0.012	0.76952	28.58	ug/L
>	Sc	45	322279.553	1.572	322279.553			ug/L
	V	51	962.567	262.680	-0.009	-0.24291	83.14	ug/L
	Cr	52	14406.619	5.545	0.004	0.14118	71.57	ug/L
	Mn	55	14721.774	6.537	0.043	0.96684	8.54	ug/L
	Co	59	-1981.278	0.338	-0.007	-0.19433	1.71	ug/L
	Ni	60	-1141.841	6.490	-0.004	-0.52311	4.49	ug/L
	Cu	65	-253.244	23.609	-0.003	-0.41152	6.96	ug/L
	Zn	66	2507.170	4.486	0.005	1.10099	9.19	ug/L
>	Ge	72	300195.665	1.735	300195.665			ug/L
	As	75	-201.460	61.483	-0.001	-0.11871	69.14	ug/L
	Se	82	124.668	15.828	-0.000	-0.10803	133.96	ug/L
	Y	89	504118.854	1.105	-11081.431			ug/L
	Mo	98	976.387	10.602	0.003	0.23355	11.40	ug/L
	Ag	107	572.693	15.749	0.001	0.08434	21.34	ug/L
	Cd	111	291.904	10.984	0.000	0.05656	50.89	ug/L
	Cd	114	180.666	10.785	0.000	0.03117	24.84	mg/L
>	In	115	353381.098	0.993	353381.098			ug/L
	Sb	121	222.004	7.374	0.000	0.04125	10.05	ug/L
	Ba	135	10779.956	0.689	0.026	11.38269	1.47	ug/L
>	Tb	159	419568.888	1.939	419568.888			ug/L
	Ho	165	378865.643	1.185	0.009			ug/L
	Tl	205	840.056	1.798	0.001	0.11417	0.33	ug/L
	Pb	208	902.699	27.708	0.001	0.06906	53.33	ug/L
	Bi	209	153591.645	2.323	0.016			ug/L
	Th	232	79.334	26.481	-0.000	-0.01868	17.19	ug/L
	U	238	964.741	4.361	0.002	0.13368	6.01	ug/L
	Na	23	1807688.144	2.236	5.428	0.42151	0.79	mg/L
	Mg	24	4297887.111	2.209	13.317	1.45077	0.92	mg/L
	K	39	2266931.664	1.927	2.836	0.10537	7.30	mg/L
	Ca	44	3603214.217	2.225	11.091	13.21681	3.72	mg/L
	Fe	54	50328.456	0.678	0.020	0.00966	7.57	mg/L
>	Sc-1	45	322279.553	1.572	322279.553			mg/L
	Kr	83	119.334	15.208	-2.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.844			
	Be	9					
	Al	27					
>	Sc	45		97.816			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		101.746			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.130			
	Sb	121					
	Ba	135					
>	Tb	159		87.557			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-38 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:32:38
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-38 @5X.7533
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38307.084	2.493	38307.084			ug/L
	Be	9	5.333	57.282	-0.000	-0.00476	200.33	ug/L
	Al	27	22501.769	0.932	0.014	0.87676	11.21	ug/L
>	Sc	45	314884.148	2.934	314884.148			ug/L
	V	51	-1078.953	232.689	-0.016	-0.41121	51.48	ug/L
	Cr	52	15514.569	1.567	0.009	0.28694	7.67	ug/L
	Mn	55	4337.890	11.550	0.011	0.24260	11.38	ug/L
	Co	59	-1712.689	4.508	-0.006	-0.17384	6.65	ug/L
	Ni	60	-985.937	5.309	-0.003	-0.46790	6.65	ug/L
	Cu	65	-290.638	17.362	-0.003	-0.43179	6.42	ug/L
	Zn	66	2665.235	2.971	0.006	1.25698	5.55	ug/L
>	Ge	72	293859.533	2.122	293859.533			ug/L
	As	75	-302.909	96.335	-0.001	-0.18909	104.61	ug/L
	Se	82	135.335	11.190	-0.000	-0.01878	551.11	ug/L
	Y	89	485326.311	1.870	-29873.973			ug/L
	Mo	98	824.137	6.542	0.002	0.20488	7.41	ug/L
	Ag	107	314.008	10.884	0.001	0.03709	18.43	ug/L
	Cd	111	250.901	9.345	0.000	0.03192	61.91	ug/L
	Cd	114	176.434	11.896	0.000	0.03254	24.68	mg/L
>	In	115	338029.777	0.502	338029.777			ug/L
	Sb	121	171.336	9.363	0.000	0.02976	15.06	ug/L
	Ba	135	11790.460	4.674	0.029	12.78967	5.57	ug/L
>	Tb	159	408746.584	1.237	408746.584			ug/L
	Ho	165	371626.638	1.627	0.015			ug/L
	Tl	205	721.375	8.232	0.001	0.09569	13.60	ug/L
	Pb	208	710.016	2.031	0.001	0.04470	3.33	ug/L
	Bi	209	151325.292	2.239	0.020			ug/L
	Th	232	67.334	16.890	-0.000	-0.02016	8.86	ug/L
	U	238	849.391	3.136	0.002	0.12010	4.55	ug/L
	Na	23	1790874.062	2.510	5.510	0.42785	3.70	mg/L
	Mg	24	3951160.359	1.014	12.537	1.36574	2.94	mg/L
	K	39	2168565.519	2.510	2.694	0.10010	13.79	mg/L
	Ca	44	3209292.289	0.880	10.106	12.04210	3.53	mg/L
	Fe	54	48610.143	5.324	0.018	0.00886	57.19	mg/L
>	Sc-1	45	314884.148	2.934	314884.148			mg/L
	Kr	83	110.668	18.460	-11.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		92.777			
	Be	9					
	Al	27					
>	Sc	45		95.572			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.598			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.867			
	Sb	121					
	Ba	135					
>	Tb	159		85.299			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-41 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:35:27
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-41 @5X.7534
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38629.122	3.790	38629.122			ug/L
	Be	9	10.667	43.301	0.000	0.01214	125.24	ug/L
	Al	27	24816.575	4.655	0.023	1.45832	19.46	ug/L
>	Sc	45	307152.906	1.016	307152.906			ug/L
	V	51	-4579.350	45.264	-0.027	-0.70514	25.18	ug/L
	Cr	52	15664.274	1.382	0.011	0.34187	4.62	ug/L
	Mn	55	6816.474	3.744	0.019	0.43383	4.36	ug/L
	Co	59	-1730.180	3.240	-0.006	-0.17932	3.71	ug/L
	Ni	60	-994.098	5.538	-0.004	-0.48177	5.25	ug/L
	Cu	65	-301.052	18.294	-0.003	-0.43973	6.18	ug/L
	Zn	66	2786.621	2.457	0.006	1.40614	3.72	ug/L
>	Ge	72	285587.790	0.297	285587.790			ug/L
	As	75	-454.982	8.947	-0.002	-0.30360	9.48	ug/L
	Se	82	125.335	13.942	-0.000	-0.06254	193.98	ug/L
	Y	89	487613.272	0.814	-27587.013			ug/L
	Mo	98	814.656	5.525	0.002	0.20396	7.54	ug/L
	Ag	107	253.338	6.715	0.000	0.02525	17.79	ug/L
	Cd	111	232.208	4.094	0.000	0.01734	73.70	ug/L
	Cd	114	154.144	18.365	0.000	0.02413	44.43	mg/L
>	In	115	335810.572	2.407	335810.572			ug/L
	Sb	121	144.002	16.897	0.000	0.02248	34.52	ug/L
	Ba	135	11191.346	1.531	0.027	12.18358	1.79	ug/L
>	Tb	159	407045.608	0.289	407045.608			ug/L
	Ho	165	370509.375	0.148	0.016			ug/L
	Tl	205	732.043	13.220	0.001	0.09818	18.52	ug/L
	Pb	208	808.686	7.066	0.001	0.05912	13.21	ug/L
	Bi	209	150982.810	1.440	0.021			ug/L
	Th	232	67.334	12.004	-0.000	-0.02013	6.00	ug/L
	U	238	883.396	5.662	0.002	0.12570	6.02	ug/L
	Na	23	1762319.945	2.803	5.557	0.43151	2.61	mg/L
	Mg	24	3929361.697	3.281	12.775	1.39170	3.21	mg/L
	K	39	2135224.456	1.846	2.753	0.10229	6.87	mg/L
	Ca	44	3189414.873	3.243	10.292	12.26451	3.81	mg/L
	Fe	54	49666.846	4.378	0.026	0.01233	29.71	mg/L
>	Sc-1	45	307152.906	1.016	307152.906			mg/L
	Kr	83	133.335	11.258	11.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.557			
	Be	9					
	Al	27					
>	Sc	45		93.225			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		96.795			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.251			
	Sb	121					
	Ba	135					
>	Tb	159		84.944			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-44 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:38:16
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-44 @5X.7535
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38653.870	2.316	38653.870			ug/L
	Be	9	7.333	68.635	0.000	0.00167	963.22	ug/L
	Al	27	56234.183	4.478	0.126	7.84903	7.88	ug/L
>	Sc	45	306702.879	0.965	306702.879			ug/L
	V	51	-391.836	270.114	-0.014	-0.35178	25.52	ug/L
	Cr	52	15645.559	0.622	0.011	0.34242	6.08	ug/L
	Mn	55	189067.695	2.332	0.613	13.90006	2.63	ug/L
	Co	59	-1751.605	4.459	-0.006	-0.18157	4.09	ug/L
	Ni	60	-1056.185	4.078	-0.004	-0.50994	4.19	ug/L
	Cu	65	-389.770	3.122	-0.003	-0.48207	1.35	ug/L
	Zn	66	3496.312	4.025	0.009	1.94578	3.21	ug/L
>	Ge	72	285644.868	1.759	285644.868			ug/L
	As	75	-200.730	179.666	-0.001	-0.12257	206.06	ug/L
	Se	82	143.335	20.140	0.000	0.06500	323.35	ug/L
	Y	89	476428.343	0.955	-38771.942			ug/L
	Mo	98	932.371	3.877	0.003	0.23522	2.28	ug/L
	Ag	107	243.338	7.637	0.000	0.02324	12.42	ug/L
	Cd	111	260.012	11.722	0.000	0.04158	54.00	ug/L
	Cd	114	126.065	33.737	0.000	0.01342	131.09	mg/L
>	In	115	334989.794	1.785	334989.794			ug/L
	Sb	121	131.335	31.296	0.000	0.01881	59.80	ug/L
	Ba	135	10503.494	3.869	0.026	11.52828	2.27	ug/L
>	Tb	159	403507.616	1.644	403507.616			ug/L
	Ho	165	363238.861	0.555	0.006			ug/L
	Tl	205	667.369	4.305	0.001	0.08687	4.23	ug/L
	Pb	208	1488.737	4.620	0.003	0.15754	4.11	ug/L
	Bi	209	151286.454	2.394	0.025			ug/L
	Th	232	69.334	20.868	-0.000	-0.01975	11.12	ug/L
	U	238	876.061	1.951	0.002	0.12578	3.10	ug/L
	Na	23	1881581.058	1.537	5.954	0.46235	0.61	mg/L
	Mg	24	4061358.018	4.022	13.227	1.44098	4.77	mg/L
	K	39	2176911.258	2.328	2.899	0.10771	7.47	mg/L
	Ca	44	3396008.584	1.209	10.979	13.08319	0.25	mg/L
	Fe	54	77372.003	2.615	0.116	0.05593	7.56	mg/L
>	Sc-1	45	306702.879	0.965	306702.879			mg/L
	Kr	83	116.668	14.580	-5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.617			
	Be	9					
	Al	27					
>	Sc	45		93.089			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		96.814			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.023			
	Sb	121					
	Ba	135					
>	Tb	159		84.205			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-47 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:41:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011105
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-47 @5X.7536
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	33556.614	4.190	33556.614			ug/L
	Be	9	9.333	65.465	0.000	0.01169	174.89	ug/L
	Al	27	25212.085	0.840	0.039	2.41246	8.11	ug/L
>	Sc	45	262447.137	3.743	262447.137			ug/L
	V	51	654.954	456.106	-0.010	-0.24720	120.39	ug/L
	Cr	52	13459.829	4.254	0.011	0.35135	13.71	ug/L
	Mn	55	-3704.486	15.414	-0.017	-0.38829	10.51	ug/L
	Co	59	-5847.967	5.521	-0.023	-0.66495	3.81	ug/L
	Ni	60	-3004.997	7.493	-0.012	-1.59694	5.87	ug/L
	Cu	65	-2013.876	6.786	-0.010	-1.41659	3.47	ug/L
	Zn	66	203845.454	3.481	0.798	173.76912	0.62	ug/L
>	Ge	72	254265.952	3.347	254265.952			ug/L
	As	75	-279.768	67.540	-0.001	-0.20847	73.85	ug/L
	Se	82	179.336	5.501	0.000	0.47258	18.19	ug/L
	Y	89	426826.254	2.052	-88374.031			ug/L
	Mo	98	6535.811	2.425	0.022	1.90596	2.55	ug/L
	Ag	107	198.670	12.827	0.000	0.01873	27.40	ug/L
	Cd	111	1293.910	2.440	0.004	1.06961	1.90	ug/L
	Cd	114	2527.057	4.943	0.008	1.07948	6.17	mg/L
>	In	115	300814.959	1.511	300814.959			ug/L
	Sb	121	154.002	14.751	0.000	0.03031	25.35	ug/L
	Ba	135	2764.611	1.469	0.007	3.30033	1.97	ug/L
>	Tb	159	365792.596	2.233	365792.596			ug/L
	Ho	165	336441.760	0.763	0.025			ug/L
	Tl	205	615.364	7.535	0.001	0.08931	14.32	ug/L
	Pb	208	1228.049	5.143	0.002	0.13855	9.57	ug/L
	Bi	209	149816.827	2.053	0.060			ug/L
	Th	232	67.334	17.404	-0.000	-0.01904	9.44	ug/L
	U	238	5031.359	2.688	0.014	0.83496	4.88	ug/L
	Na	23	6276092.425	5.202	23.726	1.84246	2.20	mg/L
	Mg	24	8863045.362	3.786	33.752	3.67701	0.45	mg/L
	K	39	2829480.074	3.484	6.582	0.24459	2.18	mg/L
	Ca	44	10336742.729	3.398	39.296	46.82672	0.42	mg/L
	Fe	54	40452.778	6.860	0.018	0.00866	44.42	mg/L
>	Sc-1	45	262447.137	3.743	262447.137			mg/L
	Kr	83	104.001	8.383	-18.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		81.272			
	Be	9					
	Al	27					
>	Sc	45		79.656			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		86.179			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.533			
	Sb	121					
	Ba	135					
>	Tb	159		76.335			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011106-BLK2 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:43:52
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011106-BLK2 @5X.7537
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36085.215	1.214	36085.215			ug/L
	Be	9	9.333	32.733	0.000	0.00980	103.78	ug/L
	Al	27	11992.216	8.488	-0.015	-0.96390	17.55	ug/L
>	Sc	45	285685.096	2.417	285685.096			ug/L
	V	51	808.854	241.600	-0.010	-0.24804	70.94	ug/L
	Cr	52	13127.111	2.568	0.006	0.18036	20.22	ug/L
	Mn	55	788.085	8.790	-0.000	-0.00646	100.26	ug/L
	Co	59	98.807	18.473	-0.000	-0.00488	37.24	ug/L
	Ni	60	46.140	27.690	-0.000	-0.02034	27.55	ug/L
	Cu	65	292.077	8.156	-0.001	-0.14699	10.01	ug/L
	Zn	66	907.399	4.196	0.000	0.00996	305.21	ug/L
>	Ge	72	271472.551	1.428	271472.551			ug/L
	As	75	-48.043	368.709	-0.000	-0.02008	654.43	ug/L
	Se	82	114.668	18.813	-0.000	-0.09387	180.67	ug/L
	Y	89	449373.396	1.062	-65826.888			ug/L
	Mo	98	63.936	33.824	0.000	0.00759	81.39	ug/L
	Ag	107	114.001	10.672	-0.000	-0.00183	141.40	ug/L
	Cd	111	192.044	5.117	-0.000	-0.00853	108.41	ug/L
	Cd	114	71.818	52.687	-0.000	-0.00673	236.72	mg/L
>	In	115	318281.207	1.193	318281.207			ug/L
	Sb	121	37.333	11.152	-0.000	-0.00711	19.10	ug/L
	Ba	135	16.000	25.000	-0.000	-0.04956	9.83	ug/L
>	Tb	159	383303.602	1.479	383303.602			ug/L
	Ho	165	351023.747	1.620	0.021			ug/L
	Tl	205	396.013	3.499	0.000	0.03830	7.32	ug/L
	Pb	208	287.336	22.601	-0.000	-0.01243	77.31	ug/L
	Bi	209	150909.711	1.343	0.044			ug/L
	Th	232	36.000	30.932	-0.000	-0.02441	7.12	ug/L
	U	238	14.000	75.593	-0.000	-0.00484	34.23	ug/L
	Na	23	20169.832	1.592	-0.110	-0.00855	1.18	mg/L
	Mg	24	4647.868	34.917	-0.002	-0.00022	265.01	mg/L
	K	39	1059802.061	1.109	-0.489	-0.01818	18.09	mg/L
	Ca	44	28336.771	1.643	0.006	0.00709	14.32	mg/L
	Fe	54	39078.318	2.985	0.001	0.00038	912.56	mg/L
>	Sc-1	45	285685.096	2.417	285685.096			mg/L
	Kr	83	106.001	12.373	-16.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		87.396			
	Be	9					
	Al	27					
>	Sc	45		86.709			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		92.011			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.383			
	Sb	121					
	Ba	135					
>	Tb	159		79.989			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-50 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:46:40
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-50 @5X.7538
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	32606.898	3.345	32606.898			ug/L
	Be	9	55.334	18.548	0.002	0.18535	24.06	ug/L
	Al	27	815867.456	3.829	3.045	189.71260	1.90	ug/L
>	Sc	45	262917.408	2.748	262917.408			ug/L
	V	51	-1123.914	105.462	-0.017	-0.43087	27.23	ug/L
	Cr	52	12623.408	2.725	0.008	0.24652	15.28	ug/L
	Mn	55	4098997.332	3.590	15.592	353.28948	3.73	ug/L
	Co	59	114.457	352.236	-0.000	-0.00304	1475.03	ug/L
	Ni	60	-1318.218	26.010	-0.005	-0.72641	27.02	ug/L
	Cu	65	70032.380	1.051	0.264	38.61373	1.74	ug/L
	Zn	66	839095.538	1.077	3.225	701.96778	1.60	ug/L
>	Ge	72	259963.683	2.435	259963.683			ug/L
	As	75	261.465	42.337	0.001	0.21482	37.03	ug/L
	Se	82	126.001	10.409	0.000	0.02822	273.30	ug/L
	Y	89	433090.817	2.076	-82109.467			ug/L
	Mo	98	11177.416	2.362	0.037	3.23629	1.68	ug/L
	Ag	107	219.337	12.313	0.000	0.02301	26.14	ug/L
	Cd	111	4152.513	2.115	0.013	3.80337	1.55	ug/L
	Cd	114	8739.601	1.737	0.029	3.78672	1.77	mg/L
>	In	115	303586.174	0.696	303586.174			ug/L
	Sb	121	284.007	12.735	0.001	0.07037	16.40	ug/L
	Ba	135	3582.360	1.584	0.010	4.26239	0.95	ug/L
>	Tb	159	368605.671	1.055	368605.671			ug/L
	Ho	165	337588.287	1.175	0.021			ug/L
	Tl	205	634.699	5.104	0.001	0.09228	8.98	ug/L
	Pb	208	26593.913	1.365	0.071	4.11696	2.00	ug/L
	Bi	209	152342.326	0.468	0.064			ug/L
	Th	232	260.672	6.526	0.000	0.01227	25.37	ug/L
	U	238	6698.925	4.107	0.018	1.10446	3.14	ug/L
	Na	23	6477890.813	4.747	24.450	1.89868	2.43	mg/L
	Mg	24	8407646.457	3.141	31.959	3.48162	1.00	mg/L
	K	39	2833776.291	2.904	6.579	0.24447	3.32	mg/L
	Ca	44	10129757.789	2.697	38.446	45.81380	2.92	mg/L
	Fe	54	1227422.936	3.665	4.535	2.18269	4.78	mg/L
>	Sc-1	45	262917.408	2.748	262917.408			mg/L
	Kr	83	111.334	19.706	-10.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		78.972			
	Be	9					
	Al	27					
>	Sc	45		79.799			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		88.110			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		84.303			
	Sb	121					
	Ba	135					
>	Tb	159		76.922			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011106-DUP2 @5X

Sample Date/Time: Tuesday, November 30, 2010 09:49:28
Sample Type: Duplicate of 27
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011106-DUP2 @5X.7539
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	32475.586	4.196	32475.586			ug/L
	Be	9	49.334	22.328	0.001	0.16252	23.19	ug/L
	Al	27	778245.403	6.308	2.904	180.90461	7.48	ug/L
>	Sc	45	262938.120	1.181	262938.120			ug/L
	V	51	-115.413	1496.478	-0.013	-0.33106	51.26	ug/L
	Cr	52	12437.038	3.427	0.007	0.22378	29.05	ug/L
	Mn	55	4060027.373	0.548	15.439	349.82714	0.97	ug/L
	Co	59	25.376	902.648	-0.000	-0.01234	205.12	ug/L
	Ni	60	-1389.923	21.475	-0.006	-0.75989	20.20	ug/L
	Cu	65	70439.369	4.121	0.266	38.83596	4.97	ug/L
	Zn	66	826366.359	3.060	3.222	701.21722	2.73	ug/L
>	Ge	72	256236.545	1.572	256236.545			ug/L
	As	75	301.864	51.927	0.001	0.25181	49.73	ug/L
	Se	82	118.001	8.807	-0.000	-0.01811	523.45	ug/L
	Y	89	431354.949	0.362	-83845.335			ug/L
	Mo	98	11072.790	1.410	0.037	3.27275	1.97	ug/L
	Ag	107	199.337	4.524	0.000	0.01942	5.38	ug/L
	Cd	111	4075.636	2.807	0.013	3.80955	0.25	ug/L
	Cd	114	8549.309	0.920	0.028	3.78130	2.51	mg/L
>	In	115	297536.440	3.046	297536.440			ug/L
	Sb	121	298.674	6.186	0.001	0.07692	9.69	ug/L
	Ba	135	3603.039	3.621	0.010	4.24561	3.05	ug/L
>	Tb	159	372212.841	2.608	372212.841			ug/L
	Ho	165	339323.635	2.364	0.017			ug/L
	Tl	205	642.033	5.608	0.001	0.09245	6.88	ug/L
	Pb	208	26618.127	2.297	0.071	4.08010	0.60	ug/L
	Bi	209	153153.652	2.133	0.062			ug/L
	Th	232	254.005	12.224	0.000	0.01075	42.82	ug/L
	U	238	6669.557	1.560	0.018	1.08932	1.40	ug/L
	Na	23	6134455.940	3.731	23.155	1.79812	4.44	mg/L
	Mg	24	8113531.783	3.450	30.846	3.36038	4.15	mg/L
	K	39	2802525.153	2.802	6.462	0.24010	6.44	mg/L
	Ca	44	10189706.029	2.297	38.670	46.08091	3.44	mg/L
	Fe	54	1207095.674	3.309	4.456	2.14480	4.41	mg/L
>	Sc-1	45	262938.120	1.181	262938.120			mg/L
	Kr	83	107.334	13.480	-14.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		78.654			
	Be	9					13.126
	Al	27					4.753
>	Sc	45		79.805			
	V	51					26.197
	Cr	52					9.669
	Mn	55					0.985
	Co	59					120.976
	Ni	60					4.505
	Cu	65					0.574
	Zn	66					0.107
>	Ge	72		86.847			
	As	75					15.852
	Se	82					916.242
	Y	89					
	Mo	98					1.120
	Ag	107					16.907
	Cd	111					0.163
	Cd	114					0.143
>	In	115		82.623			
	Sb	121					8.896
	Ba	135					0.394
>	Tb	159		77.675			
	Ho	165					
	Tl	205					0.185
	Pb	208					0.899
	Bi	209					
	Th	232					13.240
	U	238					1.380
	Na	23					5.440
	Mg	24					3.544
	K	39					1.805
	Ca	44					0.581
	Fe	54					1.751
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-SRD2 @25X

Sample Date/Time: Tuesday, November 30, 2010 09:52:16
Sample Type: Dilution - DF:5 of 27
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-SRD2 @25X.7540
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	35064.099	1.510	35064.099			ug/L
	Be	9	18.667	26.964	0.000	0.04321	42.16	ug/L
	Al	27	198918.588	0.297	0.629	39.18461	1.09	ug/L
>	Sc	45	289805.788	0.949	289805.788			ug/L
	V	51	2930.994	19.810	-0.002	-0.05699	92.27	ug/L
	Cr	52	11248.115	2.058	-0.002	-0.04841	72.16	ug/L
	Mn	55	1002536.124	0.594	3.456	78.31674	0.37	ug/L
	Co	59	110.974	95.835	-0.000	-0.00384	277.35	ug/L
	Ni	60	-292.449	38.497	-0.001	-0.17943	29.89	ug/L
	Cu	65	16116.081	2.850	0.054	7.82628	3.92	ug/L
	Zn	66	191712.371	2.491	0.684	148.85377	1.27	ug/L
>	Ge	72	278947.171	1.432	278947.171			ug/L
	As	75	88.618	98.237	0.000	0.07797	78.36	ug/L
	Se	82	115.334	4.364	-0.000	-0.11287	42.43	ug/L
	Y	89	462260.077	1.261	-52940.207			ug/L
	Mo	98	2475.833	3.038	0.008	0.66452	2.64	ug/L
	Ag	107	106.001	31.175	-0.000	-0.00398	168.37	ug/L
	Cd	111	997.491	3.507	0.002	0.71411	2.68	ug/L
	Cd	114	1862.270	3.703	0.005	0.72776	4.64	mg/L
>	In	115	323594.537	1.393	323594.537			ug/L
	Sb	121	74.000	2.703	0.000	0.00343	25.63	ug/L
	Ba	135	774.715	2.586	0.002	0.80560	3.75	ug/L
>	Tb	159	395169.359	1.401	395169.359			ug/L
	Ho	165	356304.826	0.283	0.007			ug/L
	Tl	205	322.008	1.076	0.000	0.02122	5.32	ug/L
	Pb	208	5741.027	1.925	0.014	0.78447	2.23	ug/L
	Bi	209	154623.472	1.172	0.042			ug/L
	Th	232	82.001	23.267	-0.000	-0.01761	16.74	ug/L
	U	238	1397.490	4.541	0.003	0.20921	3.28	ug/L
	Na	23	1728380.158	3.493	5.782	0.44904	2.90	mg/L
	Mg	24	1980377.491	0.743	6.816	0.74252	1.43	mg/L
	K	39	1539929.911	2.129	1.114	0.04141	13.69	mg/L
	Ca	44	2274637.440	1.056	7.757	9.24296	2.00	mg/L
	Fe	54	303236.943	0.735	0.910	0.43817	1.89	mg/L
>	Sc-1	45	289805.788	0.949	289805.788			mg/L
	Kr	83	114.001	7.647	-8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		84.923			
	Be	9				16.563	
	Al	27				3.274	
>	Sc	45		87.960			
	V	51				-33.861	
	Cr	52				198.184	
	Mn	55				10.839	
	Co	59				-532.229	
	Ni	60				-23.502	
	Cu	65				1.341	
	Zn	66				6.026	
>	Ge	72		94.544			
	As	75				81.465	
	Se	82				2100.126	
	Y	89					
	Mo	98				2.667	
	Ag	107				186.564	
	Cd	111				6.121	
	Cd	114				3.906	
>	In	115		89.859			
	Sb	121				75.622	
	Ba	135				5.499	
>	Tb	159		82.465			
	Ho	165					
	Tl	205				14.960	
	Pb	208				4.727	
	Bi	209					
	Th	232				817.511	
	U	238				5.288	
	Na	23				18.251	
	Mg	24				6.634	
	K	39				15.314	
	Ca	44				0.875	
	Fe	54				0.374	
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 09:55:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7541
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39116.754	2.710	39116.754			ug/L
	Be	9	8.000	25.000	0.000	0.00317	175.50	ug/L
	Al	27	15721.828	7.760	-0.008	-0.52879	40.71	ug/L
>	Sc	45	321299.572	2.750	321299.572			ug/L
	V	51	3918.851	8.836	-0.000	-0.00344	635.68	ug/L
	Cr	52	12060.292	0.314	-0.003	-0.08882	41.95	ug/L
	Mn	55	1146.614	26.534	0.001	0.01151	168.69	ug/L
	Co	59	106.234	26.854	-0.000	-0.00534	45.19	ug/L
	Ni	60	36.900	41.871	-0.000	-0.02652	25.74	ug/L
	Cu	65	275.123	6.769	-0.001	-0.17140	4.84	ug/L
	Zn	66	808.053	8.953	-0.001	-0.11940	33.20	ug/L
>	Ge	72	293713.000	2.517	293713.000			ug/L
	As	75	29.766	244.862	0.000	0.03442	144.79	ug/L
	Se	82	124.001	11.631	-0.000	-0.09702	82.87	ug/L
	Y	89	503058.753	2.216	-12141.531			ug/L
	Mo	98	58.530	21.667	0.000	0.00458	67.32	ug/L
	Ag	107	132.001	5.463	-0.000	-0.00053	289.54	ug/L
	Cd	111	193.979	14.667	-0.000	-0.02274	108.87	ug/L
	Cd	114	55.111	60.176	-0.000	-0.01580	79.79	mg/L
>	In	115	350025.083	1.951	350025.083			ug/L
	Sb	121	20.000	20.000	-0.000	-0.01283	7.63	ug/L
	Ba	135	18.667	22.304	-0.000	-0.04852	8.69	ug/L
>	Tb	159	422138.716	1.084	422138.716			ug/L
	Ho	165	382178.283	2.593	0.011			ug/L
	Tl	205	288.007	4.554	0.000	0.01081	17.98	ug/L
	Pb	208	212.001	8.224	-0.000	-0.02673	7.84	ug/L
	Bi	209	156616.927	1.362	0.021			ug/L
	Th	232	40.667	23.242	-0.000	-0.02428	5.29	ug/L
	U	238	12.667	39.736	-0.000	-0.00522	14.37	ug/L
	Na	23	15677.193	47.041	-0.132	-0.01027	16.44	mg/L
	Mg	24	2705.255	8.667	-0.010	-0.00107	5.15	mg/L
	K	39	1198234.100	1.669	-0.470	-0.01746	11.53	mg/L
	Ca	44	27545.909	1.287	-0.007	-0.00894	17.60	mg/L
	Fe	54	40627.541	3.755	-0.010	-0.00458	87.42	mg/L
>	Sc-1	45	321299.572	2.750	321299.572			mg/L
	Kr	83	111.334	8.490	-10.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		94.738			
	Be	9					
	Al	27					
>	Sc	45		97.519			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.549			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.198			
	Sb	121					
	Ba	135					
>	Tb	159		88.093			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 09:57:51
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7542
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40981.271	1.467	40981.271			ug/L
	Be	9	16931.592	3.796	0.413	50.11493	3.05	ug/L
	Al	27	1478805.787	1.394	4.607	286.98158	1.42	ug/L
>	Sc	45	317083.684	1.620	317083.684			ug/L
	V	51	620604.516	1.010	1.945	50.29365	2.43	ug/L
	Cr	52	520037.199	0.431	1.600	51.26898	1.75	ug/L
	Mn	55	723437.062	2.245	2.278	51.62595	1.23	ug/L
	Co	59	563700.165	2.134	1.777	51.84242	1.09	ug/L
	Ni	60	120772.332	0.290	0.381	51.69328	1.75	ug/L
	Cu	65	113676.791	1.762	0.357	52.07181	3.02	ug/L
	Zn	66	68205.518	1.361	0.229	49.89438	1.74	ug/L
>	Ge	72	293333.765	1.267	293333.765			ug/L
	As	75	72815.010	1.866	0.248	49.65255	1.56	ug/L
	Se	82	7209.490	1.744	0.024	48.34588	3.02	ug/L
	Y	89	487486.199	1.639	-27714.086			ug/L
	Mo	98	200084.566	0.845	0.567	50.01989	0.47	ug/L
	Ag	107	260161.418	2.281	0.737	50.28785	2.63	ug/L
	Cd	111	62018.924	1.668	0.175	51.09247	2.06	ug/L
	Cd	114	136388.882	1.107	0.386	51.32714	0.89	mg/L
>	In	115	352671.638	0.958	352671.638			ug/L
	Sb	121	192396.039	1.251	0.545	51.64311	1.78	ug/L
	Ba	135	50906.478	0.338	0.118	52.43070	0.72	ug/L
>	Tb	159	432106.469	1.034	432106.469			ug/L
	Ho	165	387963.297	0.850	0.003			ug/L
	Tl	205	288295.659	2.410	0.667	52.18945	1.54	ug/L
	Pb	208	390317.189	0.784	0.902	52.18230	0.25	ug/L
	Bi	209	160235.640	1.424	0.021			ug/L
	Th	232	378350.880	2.198	0.875	52.31981	2.44	ug/L
	U	238	369235.492	2.111	0.854	52.26271	1.22	ug/L
	Na	23	22407799.202	3.177	70.491	5.47404	2.98	mg/L
	Mg	24	15655427.429	0.634	49.361	5.37745	1.24	mg/L
	K	39	46422601.857	2.433	142.206	5.28412	1.94	mg/L
	Ca	44	1546973.152	2.305	4.785	5.70212	0.71	mg/L
	Fe	54	3571768.488	0.882	11.129	5.35679	0.78	mg/L
>	Sc-1	45	317083.684	1.620	317083.684			mg/L
	Kr	83	123.335	9.775	1.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.254			
	Be	9	100.230				
	Al	27	114.793				
>	Sc	45		96.239			
	V	51	100.587				
	Cr	52	102.538				
	Mn	55	103.252				
	Co	59	103.685				
	Ni	60	103.387				
	Cu	65	104.144				
	Zn	66	99.789				
>	Ge	72		99.420			
	As	75	99.305				
	Se	82	96.692				
	Y	89					
	Mo	98	100.040				
	Ag	107	100.576				
	Cd	111	102.185				
	Cd	114					
>	In	115		97.933			
	Sb	121	103.286				
	Ba	135	104.861				
>	Tb	159		90.173			
	Ho	165					
	Tl	205	104.379				
	Pb	208	104.365				
	Bi	209					
	Th	232	104.640				
	U	238	104.525				
	Na	23	109.481				
	Mg	24	107.549				
	K	39	105.682				
	Ca	44	114.042				
	Fe	54	107.136				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 10:00:52
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7543
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	41173.850	0.771	41173.850			ug/L
	Be	9	12.667	18.232	0.000	0.01576	42.12	ug/L
	Al	27	20221.340	2.522	0.004	0.25685	43.76	ug/L
>	Sc	45	328633.613	1.329	328633.613			ug/L
	V	51	3923.133	15.613	-0.000	-0.00990	485.58	ug/L
	Cr	52	12322.805	1.728	-0.003	-0.09043	40.55	ug/L
	Mn	55	1057.059	7.245	0.000	0.00381	115.39	ug/L
	Co	59	234.331	20.676	0.000	0.00580	69.60	ug/L
	Ni	60	153.662	5.690	0.000	0.02132	18.12	ug/L
	Cu	65	1256.624	5.687	0.002	0.26192	11.71	ug/L
	Zn	66	1417.497	17.508	0.002	0.34928	57.34	ug/L
>	Ge	72	289612.945	2.897	289612.945			ug/L
	As	75	105.135	32.756	0.000	0.08721	25.09	ug/L
	Se	82	137.335	13.841	0.000	0.00666	1602.97	ug/L
	Y	89	506470.053	1.117	-8730.231			ug/L
	Mo	98	510.624	18.095	0.001	0.11522	18.99	ug/L
	Ag	107	669.370	15.998	0.001	0.10090	19.75	ug/L
	Cd	111	246.397	10.471	0.000	0.01579	140.00	ug/L
	Cd	114	96.226	21.469	-0.000	-0.00121	602.43	mg/L
>	In	115	358914.177	1.122	358914.177			ug/L
	Sb	121	340.010	21.477	0.001	0.07148	26.86	ug/L
	Ba	135	86.667	19.896	0.000	0.01868	94.64	ug/L
>	Tb	159	444748.007	1.551	444748.007			ug/L
	Ho	165	404039.096	1.050	0.014			ug/L
	Tl	205	345.343	13.413	0.000	0.01814	40.44	ug/L
	Pb	208	502.674	9.214	0.000	0.00955	52.15	ug/L
	Bi	209	160564.602	1.452	0.011			ug/L
	Th	232	202.003	12.004	-0.000	-0.00290	99.01	ug/L
	U	238	90.001	33.629	0.000	0.00528	75.12	ug/L
	Na	23	76865.975	2.500	0.053	0.00413	16.38	mg/L
	Mg	24	7262.292	16.394	0.004	0.00042	87.22	mg/L
	K	39	1405836.429	1.029	0.079	0.00292	128.28	mg/L
	Ca	44	27286.771	0.715	-0.010	-0.01217	16.47	mg/L
	Fe	54	43422.261	1.438	-0.004	-0.00192	19.43	mg/L
>	Sc-1	45	328633.613	1.329	328633.613			mg/L
	Kr	83	120.001	8.660	-2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.720			
	Be	9					
	Al	27					
>	Sc	45		99.745			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		98.159			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.667			
	Sb	121					
	Ba	135					
>	Tb	159		92.811			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011106-SRM2 @20X

Sample Date/Time: Tuesday, November 30, 2010 10:03:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011106-SRM2 @20X.7544
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	43795.596	1.444	43795.596			ug/L
	Be	9	16027.863	1.789	0.366	44.40703	3.20	ug/L
	Al	27	294071.687	2.387	0.828	51.56951	3.65	ug/L
>	Sc	45	332326.396	2.453	332326.396			ug/L
	V	51	597966.346	1.454	1.787	46.20918	1.60	ug/L
	Cr	52	494523.148	2.164	1.448	46.40119	2.58	ug/L
	Mn	55	693746.684	1.488	2.085	47.24293	1.79	ug/L
	Co	59	549257.408	3.014	1.652	48.20294	2.56	ug/L
	Ni	60	116424.035	2.325	0.350	47.53808	1.34	ug/L
	Cu	65	113816.515	2.866	0.341	49.74889	4.68	ug/L
	Zn	66	68797.287	1.384	0.230	50.13824	2.72	ug/L
>	Ge	72	294554.907	2.649	294554.907			ug/L
	As	75	147771.308	1.084	0.502	100.35907	1.66	ug/L
	Se	82	7521.857	0.458	0.025	50.27900	2.65	ug/L
	Y	89	499987.249	0.302	-15213.036			ug/L
	Mo	98	195869.866	1.379	0.544	47.96725	1.34	ug/L
	Ag	107	63589.247	1.733	0.176	12.01991	1.69	ug/L
	Cd	111	62538.429	2.783	0.173	50.46444	2.79	ug/L
	Cd	114	136975.874	1.071	0.380	50.49617	1.03	mg/L
>	In	115	360006.931	0.064	360006.931			ug/L
	Sb	121	382846.161	1.493	1.063	100.67847	1.45	ug/L
	Ba	135	50284.142	0.679	0.117	51.98739	0.52	ug/L
>	Tb	159	430451.296	1.069	430451.296			ug/L
	Ho	165	390674.836	0.314	0.013			ug/L
	Tl	205	1335259.527	1.144	3.101	242.82434	0.62	ug/L
	Pb	208	757362.896	1.169	1.759	101.69812	1.22	ug/L
	Bi	209	162077.174	2.026	0.027			ug/L
	Th	232	131.335	25.361	-0.000	-0.01179	38.91	ug/L
	U	238	39.333	48.328	-0.000	-0.00148	179.91	ug/L
	Na	23	278921.459	0.710	0.659	0.05117	3.69	mg/L
	Mg	24	168631.601	1.402	0.489	0.05332	2.98	mg/L
	K	39	3202548.097	1.023	5.440	0.20213	3.83	mg/L
	Ca	44	45452.682	0.707	0.044	0.05194	9.85	mg/L
	Fe	54	76927.057	1.943	0.095	0.04593	5.84	mg/L
>	Sc-1	45	332326.396	2.453	332326.396			mg/L
	Kr	83	113.334	22.484	-8.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		106.070			
	Be	9					
	Al	27					
>	Sc	45		100.866			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.834			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.970			
	Sb	121					
	Ba	135					
>	Tb	159		89.828			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011106-MS2 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:06:43
Sample Type: Spike - 2 of 27
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011106-MS2 @5X.7545
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37121.265	1.628	37121.265			ug/L
	Be	9	10119.529	4.224	0.272	33.06928	4.61	ug/L
	Al	27	2236208.058	4.704	8.107	505.01126	0.99	ug/L
>	Sc	45	273840.391	3.741	273840.391			ug/L
	V	51	566942.702	3.479	2.058	53.21296	1.53	ug/L
	Cr	52	612161.157	3.469	2.196	70.36127	2.79	ug/L
	Mn	55	4632192.798	5.197	16.909	383.14539	2.62	ug/L
	Co	59	356437.326	1.128	1.302	37.97960	2.68	ug/L
	Ni	60	187440.985	3.158	0.685	93.00929	5.08	ug/L
	Cu	65	182220.593	1.248	0.664	96.99092	4.81	ug/L
	Zn	66	900299.846	2.678	3.411	742.48801	1.12	ug/L
>	Ge	72	263697.014	3.268	263697.014			ug/L
	As	75	206962.727	2.071	0.785	157.00981	2.04	ug/L
	Se	82	51288.934	1.084	0.194	389.23435	2.77	ug/L
	Y	89	442229.513	2.249	-72970.771			ug/L
	Mo	98	278860.255	1.358	0.896	79.01491	0.93	ug/L
	Ag	107	64155.103	2.893	0.206	14.03588	3.21	ug/L
	Cd	111	44439.765	1.446	0.142	41.46106	2.39	ug/L
	Cd	114	100088.631	1.605	0.321	42.68324	1.45	mg/L
>	In	115	311217.384	2.261	311217.384			ug/L
	Sb	121	523708.544	0.967	1.683	159.36883	2.08	ug/L
	Ba	135	37801.313	1.076	0.099	43.94907	1.06	ug/L
>	Tb	159	382694.815	1.245	382694.815			ug/L
	Ho	165	347046.381	2.612	0.012			ug/L
	Tl	205	1929183.994	1.521	5.041	394.64582	1.19	ug/L
	Pb	208	1403904.243	0.347	3.668	212.10882	1.01	ug/L
	Bi	209	156114.715	1.682	0.058			ug/L
	Th	232	334.009	7.831	0.000	0.02212	15.66	ug/L
	U	238	6987.241	3.861	0.018	1.11009	4.47	ug/L
	Na	23	8651712.631	5.351	31.403	2.43859	2.25	mg/L
	Mg	24	9772995.671	3.938	35.671	3.88603	1.45	mg/L
	K	39	16115868.308	2.256	54.678	2.03172	2.29	mg/L
	Ca	44	10629130.838	6.191	38.711	46.12965	3.91	mg/L
	Fe	54	1598238.695	5.451	5.700	2.74360	3.82	mg/L
>	Sc-1	45	273840.391	3.741	273840.391			mg/L
	Kr	83	148.668	10.275	26.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.905			
	Be	9			82.210		
	Al	27			78.825		
>	Sc	45		83.114			
	V	51			89.406		
	Cr	52			87.643		
	Mn	55			74.640		
	Co	59			75.965		
	Ni	60			93.736		
	Cu	65			97.295		
	Zn	66			101.301		
>	Ge	72		89.375			
	As	75			97.997		
	Se	82			97.302		
	Y	89					
	Mo	98			94.723		
	Ag	107			93.419		
	Cd	111			94.144		
	Cd	114					
>	In	115		86.422			
	Sb	121			99.562		
	Ba	135			99.217		
>	Tb	159		79.862			
	Ho	165					
	Tl	205			98.638		
	Pb	208			103.996		
	Bi	209					
	Th	232					
	U	238					
	Na	23			89.985		
	Mg	24			101.103		
	K	39			89.363		
	Ca	44			157.925		
	Fe	54			93.486		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011106-MSD2 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:09:32
Sample Type: Spike - 2 of 27
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011106-MSD2 @5X.7546
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	34299.258	3.287	34299.258			ug/L
	Be	9	9523.254	2.824	0.278	33.68677	2.70	ug/L
	Al	27	2063389.866	1.024	8.034	500.45711	3.90	ug/L
>	Sc	45	255213.886	2.900	255213.886			ug/L
	V	51	543124.930	2.071	2.117	54.72598	3.29	ug/L
	Cr	52	595900.024	2.941	2.296	73.58008	4.89	ug/L
	Mn	55	4365338.076	1.631	17.107	387.62928	2.10	ug/L
	Co	59	344240.480	0.697	1.349	39.34882	2.33	ug/L
	Ni	60	181358.227	0.824	0.711	96.50700	2.49	ug/L
	Cu	65	178508.648	3.209	0.698	101.94848	5.71	ug/L
	Zn	66	873376.963	0.406	3.409	741.98295	0.41	ug/L
>	Ge	72	255944.121	0.207	255944.121			ug/L
	As	75	201727.184	0.768	0.788	157.61646	0.60	ug/L
	Se	82	50132.290	1.591	0.195	391.75567	1.39	ug/L
	Y	89	428018.496	2.057	-87181.788			ug/L
	Mo	98	269723.474	3.102	0.898	79.15826	3.32	ug/L
	Ag	107	62623.870	4.186	0.208	14.18713	3.73	ug/L
	Cd	111	44883.709	1.260	0.149	43.37420	1.74	ug/L
	Cd	114	98025.547	2.786	0.326	43.29279	2.42	mg/L
>	In	115	300452.880	0.712	300452.880			ug/L
	Sb	121	516508.701	0.932	1.719	162.76232	0.45	ug/L
	Ba	135	38264.780	0.444	0.103	45.90052	0.88	ug/L
>	Tb	159	370932.915	0.509	370932.915			ug/L
	Ho	165	336996.067	1.035	0.014			ug/L
	Tl	205	1910501.752	2.157	5.150	403.23711	2.55	ug/L
	Pb	208	1394762.385	1.504	3.759	217.40412	1.87	ug/L
	Bi	209	149462.053	2.509	0.053			ug/L
	Th	232	316.008	6.234	0.000	0.02090	14.02	ug/L
	U	238	6803.036	2.869	0.018	1.11499	3.31	ug/L
	Na	23	7966077.794	4.326	31.025	2.40927	1.70	mg/L
	Mg	24	8937201.852	1.078	35.013	3.81437	1.97	mg/L
	K	39	15103022.373	1.820	55.031	2.04485	5.02	mg/L
	Ca	44	10151862.198	2.514	39.692	47.29817	1.89	mg/L
	Fe	54	1506937.888	1.448	5.773	2.77877	4.24	mg/L
>	Sc-1	45	255213.886	2.900	255213.886			mg/L
	Kr	83	124.001	5.587	2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		83.071			
	Be	9			83.754		
	Al	27			77.686		
>	Sc	45		77.461			
	V	51			91.928		
	Cr	52			91.667		
	Mn	55			85.849		
	Co	59			78.704		
	Ni	60			97.233		
	Cu	65			105.558		
	Zn	66			100.038		
>	Ge	72		86.748			
	As	75			98.376		
	Se	82			97.932		
	Y	89					
	Mo	98			94.902		
	Ag	107			94.428		
	Cd	111			98.927		
	Cd	114					
>	In	115		83.433			
	Sb	121			101.682		
	Ba	135			104.095		
>	Tb	159		77.407			
	Ho	165					
	Tl	205			100.786		
	Pb	208			106.644		
	Bi	209					
	Th	232					
	U	238					
	Na	23			85.099		
	Mg	24			83.188		
	K	39			90.019		
	Ca	44			742.186		
	Fe	54			99.348		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: 1011106-PS2 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:12:21
Sample Type: Spike - 3 of 27
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\1011106-PS2 @5X.7547
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30098.985	1.844	30098.985			ug/L
	Be	9	4909.262	3.321	0.163	19.76978	1.58	ug/L
	Al	27	7631941.518	4.216	29.727	1851.83588	3.66	ug/L
>	Sc	45	256279.075	3.010	256279.075			ug/L
	V	51	179646.990	3.932	0.689	17.80554	3.18	ug/L
	Cr	52	159942.171	1.149	0.584	18.71281	2.01	ug/L
	Mn	55	4237750.849	0.740	16.541	374.80055	2.64	ug/L
	Co	59	170994.051	3.034	0.667	19.45901	4.14	ug/L
	Ni	60	35118.624	1.940	0.137	18.57696	3.20	ug/L
	Cu	65	103060.115	2.640	0.401	58.48958	5.39	ug/L
	Zn	66	832156.266	1.933	3.314	721.22876	2.01	ug/L
>	Ge	72	250884.667	0.965	250884.667			ug/L
	As	75	26611.878	1.668	0.106	21.22593	1.69	ug/L
	Se	82	12402.964	2.014	0.049	98.17305	1.69	ug/L
	Y	89	422543.343	2.398	-92656.941			ug/L
	Mo	98	76560.030	0.507	0.262	23.09201	1.13	ug/L
	Ag	107	83827.150	1.368	0.287	19.53922	2.64	ug/L
	Cd	111	24006.853	3.537	0.082	23.76832	3.86	ug/L
	Cd	114	53156.266	2.665	0.182	24.11964	2.39	mg/L
>	In	115	292260.853	1.310	292260.853			ug/L
	Sb	121	64571.857	0.642	0.221	20.90530	1.66	ug/L
	Ba	135	20461.444	1.496	0.055	24.51668	2.75	ug/L
>	Tb	159	370965.125	1.676	370965.125			ug/L
	Ho	165	332166.232	1.545	0.001			ug/L
	Tl	205	122737.950	2.532	0.330	25.87225	4.03	ug/L
	Pb	208	166960.927	1.126	0.449	25.97957	2.71	ug/L
	Bi	209	145604.825	1.637	0.043			ug/L
	Th	232	141511.764	1.754	0.381	22.78075	2.70	ug/L
	U	238	143948.677	2.203	0.388	23.73867	3.50	ug/L
	Na	23	12383040.140	5.929	48.110	3.73605	2.97	mg/L
	Mg	24	12409224.308	4.563	48.390	5.27169	2.00	mg/L
	K	39	15284440.954	2.231	55.449	2.06038	0.84	mg/L
	Ca	44	10620413.465	2.532	41.361	49.28754	2.75	mg/L
	Fe	54	2223836.715	1.277	8.544	4.11259	1.77	mg/L
>	Sc-1	45	256279.075	3.010	256279.075			mg/L
	Kr	83	127.335	10.220	5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		72.898			
	Be	9			19.584		
	Al	27			16.621		
>	Sc	45		77.784			
	V	51			18.236		
	Cr	52			18.466		
	Mn	55			21.511		
	Co	59			19.462		
	Ni	60			19.303		
	Cu	65			19.876		
	Zn	66			19.261		
>	Ge	72		85.033			
	As	75			21.011		
	Se	82			19.629		
	Y	89					
	Mo	98			19.856		
	Ag	107			19.516		
	Cd	111			19.965		
	Cd	114					
>	In	115		81.158			
	Sb	121			20.835		
	Ba	135			20.254		
>	Tb	159		77.414			
	Ho	165					
	Tl	205			25.780		
	Pb	208			21.863		
	Bi	209					
	Th	232			22.768		
	U	238			22.634		
	Na	23			18.374		
	Mg	24			17.901		
	K	39			18.159		
	Ca	44			34.737		
	Fe	54			19.299		
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-53 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:15:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-53 @5X.7548
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	30697.295	4.327	30697.295			ug/L
	Be	9	70.667	24.071	0.002	0.25972	29.40	ug/L
	Al	27	783341.425	3.521	3.002	187.04196	3.18	ug/L
>	Sc	45	255999.746	1.522	255999.746			ug/L
	V	51	-86.753	2759.419	-0.013	-0.32555	74.58	ug/L
	Cr	52	12522.534	1.379	0.009	0.27518	3.01	ug/L
	Mn	55	4040780.704	3.084	15.780	357.54465	2.02	ug/L
	Co	59	62.693	365.429	-0.000	-0.00770	339.70	ug/L
	Ni	60	-1604.812	14.255	-0.007	-0.89291	12.78	ug/L
	Cu	65	73215.894	2.190	0.284	41.47723	2.95	ug/L
	Zn	66	828254.593	1.316	3.268	711.34745	2.53	ug/L
>	Ge	72	253228.419	1.741	253228.419			ug/L
	As	75	179.878	164.631	0.001	0.15840	147.16	ug/L
	Se	82	142.002	10.157	0.000	0.18102	54.03	ug/L
	Y	89	433873.230	0.277	-81327.054			ug/L
	Mo	98	11913.157	1.778	0.040	3.50586	1.75	ug/L
	Ag	107	1063.424	8.290	0.003	0.21672	11.28	ug/L
	Cd	111	4194.843	4.331	0.013	3.91069	5.83	ug/L
	Cd	114	8700.402	0.791	0.029	3.83126	2.28	mg/L
>	In	115	298812.626	1.706	298812.626			ug/L
	Sb	121	424.681	10.743	0.001	0.11621	10.57	ug/L
	Ba	135	3519.658	1.703	0.009	4.17483	0.71	ug/L
>	Tb	159	369616.815	1.033	369616.815			ug/L
	Ho	165	336282.316	1.422	0.015			ug/L
	Tl	205	7518.520	0.902	0.020	1.55005	0.86	ug/L
	Pb	208	27174.984	2.132	0.073	4.19694	3.21	ug/L
	Bi	209	150318.565	1.834	0.057			ug/L
	Th	232	318.675	10.676	0.000	0.02150	24.24	ug/L
	U	238	6767.665	3.609	0.018	1.11297	3.26	ug/L
	Na	23	6193924.782	3.885	24.009	1.86440	2.43	mg/L
	Mg	24	8202372.372	0.842	32.030	3.48936	2.34	mg/L
	K	39	2725961.262	6.838	6.445	0.23948	9.86	mg/L
	Ca	44	10159576.421	5.284	39.580	47.16523	4.08	mg/L
	Fe	54	1225337.497	3.304	4.650	2.23832	2.97	mg/L
>	Sc-1	45	255999.746	1.522	255999.746			mg/L
	Kr	83	126.001	8.248	4.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		74.347			
	Be	9					
	Al	27					
>	Sc	45		77.699			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		85.827			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		82.977			
	Sb	121					
	Ba	135					
>	Tb	159		77.133			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-56 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:17:59
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-56 @5X.7549
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	31741.069	1.128	31741.069			ug/L
	Be	9	14.667	20.830	0.000	0.03462	35.65	ug/L
	Al	27	123931.633	4.540	0.418	26.05413	3.95	ug/L
>	Sc	45	260492.941	1.291	260492.941			ug/L
	V	51	-877.070	211.010	-0.016	-0.40709	45.72	ug/L
	Cr	52	12440.372	1.972	0.007	0.23842	20.81	ug/L
	Mn	55	3690019.802	1.769	14.162	320.88979	0.49	ug/L
	Co	59	-1250.909	18.158	-0.005	-0.15516	16.98	ug/L
	Ni	60	-1832.734	5.685	-0.007	-0.99803	6.17	ug/L
	Cu	65	8664.977	5.770	0.031	4.55968	5.07	ug/L
	Zn	66	558037.149	1.660	2.165	471.16324	2.21	ug/L
>	Ge	72	257410.017	0.735	257410.017			ug/L
	As	75	-351.937	71.131	-0.001	-0.25747	74.99	ug/L
	Se	82	140.668	26.230	0.000	0.15198	184.25	ug/L
	Y	89	432952.990	0.723	-82247.295			ug/L
	Mo	98	8751.852	1.104	0.029	2.55935	3.21	ug/L
	Ag	107	506.021	3.893	0.001	0.08858	3.73	ug/L
	Cd	111	2723.206	3.514	0.008	2.45839	3.92	ug/L
	Cd	114	5727.115	4.537	0.019	2.49378	2.64	mg/L
>	In	115	300494.707	2.296	300494.707			ug/L
	Sb	121	238.005	14.938	0.001	0.05668	17.90	ug/L
	Ba	135	3202.821	1.415	0.008	3.78144	0.14	ug/L
>	Tb	159	370727.527	1.290	370727.527			ug/L
	Ho	165	338857.598	2.460	0.020			ug/L
	Tl	205	4609.033	2.174	0.012	0.93092	2.82	ug/L
	Pb	208	4190.549	2.133	0.010	0.59811	3.68	ug/L
	Bi	209	150036.816	2.324	0.055			ug/L
	Th	232	98.001	7.358	-0.000	-0.01421	9.10	ug/L
	U	238	5082.734	2.824	0.014	0.83191	4.06	ug/L
	Na	23	7262456.971	2.837	27.696	2.15077	1.87	mg/L
	Mg	24	9194427.854	4.790	35.268	3.84211	3.56	mg/L
	K	39	3461857.137	0.897	9.092	0.33783	3.06	mg/L
	Ca	44	10618231.614	2.303	40.678	48.47330	3.25	mg/L
	Fe	54	216389.374	1.378	0.695	0.33441	3.21	mg/L
>	Sc-1	45	260492.941	1.291	260492.941			mg/L
	Kr	83	106.001	7.547	-16.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		76.875			
	Be	9					
	Al	27					
>	Sc	45		79.063			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		87.244			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.444			
	Sb	121					
	Ba	135					
>	Tb	159		77.365			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-59 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:20:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-59 @5X.7550
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	34606.949	3.291	34606.949			ug/L
	Be	9	8.667	26.647	0.000	0.00896	96.48	ug/L
	Al	27	57272.593	18.421	0.147	9.18571	23.86	ug/L
>	Sc	45	279185.873	1.157	279185.873			ug/L
	V	51	-1560.856	85.391	-0.018	-0.46316	26.85	ug/L
	Cr	52	14234.862	1.803	0.011	0.34158	8.79	ug/L
	Mn	55	538436.557	2.099	1.926	43.63643	2.70	ug/L
	Co	59	-1228.878	4.569	-0.005	-0.14342	5.08	ug/L
	Ni	60	-765.471	7.682	-0.003	-0.41460	7.12	ug/L
	Cu	65	698.768	6.719	0.000	0.06910	37.45	ug/L
	Zn	66	35193.492	1.619	0.130	28.21241	2.53	ug/L
>	Ge	72	264809.910	0.994	264809.910			ug/L
	As	75	158.456	101.181	0.001	0.13399	89.14	ug/L
	Se	82	124.001	5.587	-0.000	-0.00339	1571.88	ug/L
	Y	89	438682.098	2.257	-76518.186			ug/L
	Mo	98	1389.351	5.403	0.004	0.39004	4.20	ug/L
	Ag	107	355.344	15.561	0.001	0.05312	26.07	ug/L
	Cd	111	378.257	8.405	0.001	0.17643	21.39	ug/L
	Cd	114	456.066	5.524	0.001	0.16127	8.28	mg/L
>	In	115	306054.851	2.192	306054.851			ug/L
	Sb	121	133.335	21.018	0.000	0.02293	34.36	ug/L
	Ba	135	10880.132	2.295	0.029	12.89597	1.70	ug/L
>	Tb	159	373985.311	1.908	373985.311			ug/L
	Ho	165	341334.744	1.745	0.018			ug/L
	Tl	205	3286.198	4.928	0.008	0.64539	4.97	ug/L
	Pb	208	901.358	2.810	0.001	0.08361	1.79	ug/L
	Bi	209	144269.255	2.153	0.036			ug/L
	Th	232	51.334	11.903	-0.000	-0.02183	3.74	ug/L
	U	238	887.397	7.625	0.002	0.13816	8.71	ug/L
	Na	23	2886322.223	1.444	10.158	0.78879	0.76	mg/L
	Mg	24	4154703.754	0.934	14.864	1.61926	0.59	mg/L
	K	39	2441424.166	1.837	4.546	0.16894	5.52	mg/L
	Ca	44	3127339.955	1.246	11.109	13.23784	1.37	mg/L
	Fe	54	68974.023	3.066	0.111	0.05344	9.29	mg/L
>	Sc-1	45	279185.873	1.157	279185.873			mg/L
	Kr	83	108.668	11.833	-13.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		83.816			
	Be	9					
	Al	27					
>	Sc	45		84.737			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		89.752			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		84.988			
	Sb	121					
	Ba	135					
>	Tb	159		78.044			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-62 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:23:35
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-62 @5X.7551
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36483.593	3.490	36483.593			ug/L
	Be	9	10.000	34.641	0.000	0.01168	96.53	ug/L
	Al	27	43414.338	2.759	0.093	5.77805	6.82	ug/L
>	Sc	45	289220.086	1.462	289220.086			ug/L
	V	51	-2156.403	125.561	-0.020	-0.50895	47.35	ug/L
	Cr	52	13795.878	1.244	0.007	0.23631	8.81	ug/L
	Mn	55	534887.478	2.825	1.846	41.83499	2.21	ug/L
	Co	59	-1274.800	6.889	-0.005	-0.14353	5.80	ug/L
	Ni	60	-844.068	9.046	-0.003	-0.43836	7.42	ug/L
	Cu	65	315.052	20.816	-0.001	-0.13761	22.72	ug/L
	Zn	66	34198.647	0.892	0.124	27.01820	1.97	ug/L
>	Ge	72	268401.087	1.097	268401.087			ug/L
	As	75	-68.913	157.216	-0.000	-0.03689	219.44	ug/L
	Se	82	127.335	13.173	0.000	0.00987	1367.28	ug/L
	Y	89	442830.764	1.299	-72369.521			ug/L
	Mo	98	1290.215	3.729	0.004	0.34922	2.63	ug/L
	Ag	107	302.675	34.944	0.001	0.03894	58.39	ug/L
	Cd	111	368.806	4.226	0.001	0.15537	11.30	ug/L
	Cd	114	430.376	3.558	0.001	0.14379	3.00	mg/L
>	In	115	316521.062	1.187	316521.062			ug/L
	Sb	121	132.001	20.384	0.000	0.02125	37.28	ug/L
	Ba	135	10902.836	1.556	0.029	12.75006	2.15	ug/L
>	Tb	159	379047.444	0.587	379047.444			ug/L
	Ho	165	342832.667	2.252	0.010			ug/L
	Tl	205	2522.511	7.477	0.006	0.47835	7.73	ug/L
	Pb	208	690.015	1.506	0.001	0.04952	3.86	ug/L
	Bi	209	148047.061	1.155	0.041			ug/L
	Th	232	47.334	15.997	-0.000	-0.02256	5.08	ug/L
	U	238	824.055	8.221	0.002	0.12591	8.39	ug/L
	Na	23	2931816.434	0.899	9.957	0.77320	0.58	mg/L
	Mg	24	4300215.513	1.634	14.853	1.61807	2.39	mg/L
	K	39	2505983.785	2.856	4.465	0.16591	5.27	mg/L
	Ca	44	3161602.541	1.898	10.838	12.91471	0.62	mg/L
	Fe	54	62174.993	2.654	0.079	0.03796	6.10	mg/L
>	Sc-1	45	289220.086	1.462	289220.086			mg/L
	Kr	83	100.001	13.115	-22.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		88.361			
	Be	9					
	Al	27					
>	Sc	45		87.782			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		90.970			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		87.895			
	Sb	121					
	Ba	135					
>	Tb	159		79.101			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-65 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:26:24
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-65 @5X.7552
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38592.802	1.424	38592.802			ug/L
	Be	9	6.000	100.000	-0.000	-0.00262	717.75	ug/L
	Al	27	13469.169	2.232	-0.011	-0.69206	13.95	ug/L
>	Sc	45	290936.686	1.100	290936.686			ug/L
	V	51	-4177.883	90.419	-0.027	-0.68774	48.60	ug/L
	Cr	52	14750.061	2.903	0.010	0.33273	19.48	ug/L
	Mn	55	1244.727	5.046	0.001	0.02794	21.41	ug/L
	Co	59	121.988	19.099	-0.000	-0.00275	80.35	ug/L
	Ni	60	52.653	6.295	-0.000	-0.01761	9.98	ug/L
	Cu	65	539.683	5.401	-0.000	-0.02558	55.47	ug/L
	Zn	66	2089.016	1.102	0.004	0.96544	3.69	ug/L
>	Ge	72	270208.429	1.666	270208.429			ug/L
	As	75	-325.781	67.924	-0.001	-0.22671	73.18	ug/L
	Se	82	112.668	16.494	-0.000	-0.10475	142.77	ug/L
	Y	89	448152.877	1.331	-67047.407			ug/L
	Mo	98	127.344	6.959	0.000	0.02576	10.04	ug/L
	Ag	107	273.339	2.770	0.000	0.03337	5.49	ug/L
	Cd	111	194.089	6.044	-0.000	-0.00354	248.29	ug/L
	Cd	114	139.746	19.230	0.000	0.02273	54.42	mg/L
>	In	115	312664.577	1.646	312664.577			ug/L
	Sb	121	73.334	15.021	0.000	0.00398	83.89	ug/L
	Ba	135	117.335	44.980	0.000	0.07193	90.18	ug/L
>	Tb	159	374579.050	1.499	374579.050			ug/L
	Ho	165	339208.679	0.601	0.011			ug/L
	Tl	205	2143.034	2.295	0.005	0.40538	2.70	ug/L
	Pb	208	439.339	7.916	0.000	0.01213	51.17	ug/L
	Bi	209	147857.378	1.373	0.045			ug/L
	Th	232	34.667	16.654	-0.000	-0.02449	3.73	ug/L
	U	238	18.667	65.465	-0.000	-0.00400	51.10	ug/L
	Na	23	19675.592	1.272	-0.113	-0.00879	0.33	mg/L
	Mg	24	3409.603	9.997	-0.006	-0.00071	17.60	mg/L
	K	39	1066811.222	0.883	-0.533	-0.01982	2.13	mg/L
	Ca	44	25860.779	3.897	-0.004	-0.00520	77.86	mg/L
	Fe	54	40950.808	1.824	0.005	0.00223	24.76	mg/L
>	Sc-1	45	290936.686	1.100	290936.686			mg/L
	Kr	83	110.001	9.621	-12.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		93.469			
	Be	9					
	Al	27					
>	Sc	45		88.303			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		91.582			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.824			
	Sb	121					
	Ba	135					
>	Tb	159		78.168			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 10:29:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7553
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40496.791	1.350	40496.791			ug/L
	Be	9	10.667	47.187	0.000	0.01054	146.70	ug/L
	Al	27	13994.361	6.512	-0.012	-0.72442	36.99	ug/L
>	Sc	45	306179.399	3.067	306179.399			ug/L
	V	51	3402.184	5.945	-0.001	-0.03094	71.76	ug/L
	Cr	52	12394.949	1.998	0.000	0.00622	1044.45	ug/L
	Mn	55	936.672	6.365	0.000	0.00038	1573.05	ug/L
	Co	59	125.321	24.803	-0.000	-0.00304	91.36	ug/L
	Ni	60	39.987	27.995	-0.000	-0.02439	21.96	ug/L
	Cu	65	272.333	4.392	-0.001	-0.16645	4.88	ug/L
	Zn	66	816.720	5.693	-0.000	-0.08839	38.15	ug/L
>	Ge	72	282494.791	0.848	282494.791			ug/L
	As	75	31.988	333.336	0.000	0.03747	201.34	ug/L
	Se	82	130.001	5.329	-0.000	-0.01941	283.36	ug/L
	Y	89	478662.903	0.849	-36537.381			ug/L
	Mo	98	102.521	19.297	0.000	0.01649	28.98	ug/L
	Ag	107	294.674	7.194	0.000	0.03308	12.31	ug/L
	Cd	111	187.613	9.827	-0.000	-0.02297	64.69	ug/L
	Cd	114	57.816	9.675	-0.000	-0.01408	16.08	mg/L
>	In	115	338626.476	1.874	338626.476			ug/L
	Sb	121	38.667	19.582	-0.000	-0.00740	30.40	ug/L
	Ba	135	12.000	16.667	-0.000	-0.05477	4.29	ug/L
>	Tb	159	398681.739	1.137	398681.739			ug/L
	Ho	165	361639.277	0.496	0.013			ug/L
	Tl	205	1261.461	3.565	0.003	0.20515	4.30	ug/L
	Pb	208	230.668	6.735	-0.000	-0.02230	9.55	ug/L
	Bi	209	154228.053	1.671	0.037			ug/L
	Th	232	41.333	7.391	-0.000	-0.02383	2.08	ug/L
	U	238	12.667	55.451	-0.000	-0.00511	21.50	ug/L
	Na	23	11033.807	10.853	-0.145	-0.01123	3.37	mg/L
	Mg	24	3120.837	33.498	-0.008	-0.00087	46.70	mg/L
	K	39	1195661.745	1.057	-0.293	-0.01088	41.71	mg/L
	Ca	44	25287.733	1.889	-0.011	-0.01261	38.22	mg/L
	Fe	54	39358.626	3.077	-0.007	-0.00360	76.34	mg/L
>	Sc-1	45	306179.399	3.067	306179.399			mg/L
	Kr	83	118.001	1.695	-4.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.081			
	Be	9					
	Al	27					
>	Sc	45		92.930			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		95.746			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.033			
	Sb	121					
	Ba	135					
>	Tb	159		83.198			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 10:31:59
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7554
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42140.931	0.843	42140.931			ug/L
	Be	9	17329.994	0.805	0.411	49.88973	1.10	ug/L
	Al	27	1462634.226	1.118	4.604	286.78618	1.93	ug/L
>	Sc	45	313831.958	0.859	313831.958			ug/L
	V	51	615192.346	0.625	1.948	50.36103	0.70	ug/L
	Cr	52	502983.054	2.572	1.563	50.07112	3.34	ug/L
	Mn	55	704641.739	0.504	2.242	50.80848	0.96	ug/L
	Co	59	547986.632	1.248	1.746	50.91999	0.75	ug/L
	Ni	60	115334.777	0.825	0.367	49.86736	0.63	ug/L
	Cu	65	112845.128	1.887	0.358	52.22051	2.74	ug/L
	Zn	66	67098.503	3.246	0.235	51.18509	3.48	ug/L
>	Ge	72	281384.813	0.415	281384.813			ug/L
	As	75	71740.059	0.977	0.255	50.99635	1.11	ug/L
	Se	82	7136.074	2.787	0.025	49.90653	3.14	ug/L
	Y	89	475257.116	1.392	-39943.168			ug/L
	Mo	98	195010.671	1.195	0.564	49.70779	1.49	ug/L
	Ag	107	252298.814	1.928	0.729	49.72961	3.13	ug/L
	Cd	111	60267.518	2.295	0.174	50.63201	3.77	ug/L
	Cd	114	133412.231	0.694	0.385	51.19777	2.21	mg/L
>	In	115	345917.836	1.542	345917.836			ug/L
	Sb	121	183374.763	1.129	0.530	50.19168	2.67	ug/L
	Ba	135	48725.295	2.833	0.119	52.83826	1.72	ug/L
>	Tb	159	410335.025	1.193	410335.025			ug/L
	Ho	165	370940.052	1.825	0.009			ug/L
	Tl	205	281370.945	1.427	0.685	53.65388	2.51	ug/L
	Pb	208	381247.138	0.705	0.928	53.68176	1.74	ug/L
	Bi	209	154289.015	2.007	0.026			ug/L
	Th	232	369026.425	1.894	0.899	53.73277	0.97	ug/L
	U	238	364280.769	0.147	0.888	54.30615	1.25	ug/L
	Na	23	22325001.503	0.996	70.962	5.51063	1.71	mg/L
	Mg	24	15562933.656	0.612	49.573	5.40052	0.56	mg/L
	K	39	45921838.910	2.252	142.141	5.28169	2.79	mg/L
	Ca	44	1502508.805	1.743	4.695	5.59456	2.37	mg/L
	Fe	54	3502391.656	0.939	11.025	5.30638	1.29	mg/L
>	Sc-1	45	313831.958	0.859	313831.958			mg/L
	Kr	83	130.001	15.152	8.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		102.063			
	Be	9	99.779				
	Al	27	114.714				
>	Sc	45		95.252			
	V	51	100.722				
	Cr	52	100.142				
	Mn	55	101.617				
	Co	59	101.840				
	Ni	60	99.735				
	Cu	65	104.441				
	Zn	66	102.370				
>	Ge	72		95.370			
	As	75	101.993				
	Se	82	99.813				
	Y	89					
	Mo	98	99.416				
	Ag	107	99.459				
	Cd	111	101.264				
	Cd	114					
>	In	115		96.058			
	Sb	121	100.383				
	Ba	135	105.677				
>	Tb	159		85.630			
	Ho	165					
	Tl	205	107.308				
	Pb	208	107.364				
	Bi	209					
	Th	232	107.466				
	U	238	108.612				
	Na	23	110.213				
	Mg	24	108.010				
	K	39	105.634				
	Ca	44	111.891				
	Fe	54	106.128				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 10:35:00
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7555
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	42038.935	1.717	42038.935			ug/L
	Be	9	10.667	57.282	0.000	0.00932	189.67	ug/L
	Al	27	20588.525	1.149	0.007	0.40497	6.60	ug/L
>	Sc	45	322105.078	0.481	322105.078			ug/L
	V	51	3698.345	6.859	-0.001	-0.02172	92.22	ug/L
	Cr	52	12159.151	1.428	-0.003	-0.08262	26.58	ug/L
	Mn	55	1817.528	37.156	0.003	0.05871	80.25	ug/L
	Co	59	217.984	30.158	0.000	0.00476	123.38	ug/L
	Ni	60	134.648	9.938	0.000	0.01457	37.89	ug/L
	Cu	65	1223.110	5.749	0.002	0.25816	13.30	ug/L
	Zn	66	1414.827	4.574	0.002	0.36590	14.16	ug/L
>	Ge	72	284266.602	2.082	284266.602			ug/L
	As	75	-2.212	1143.218	0.000	0.01367	129.46	ug/L
	Se	82	116.001	6.217	-0.000	-0.12421	37.05	ug/L
	Y	89	479493.164	0.899	-35707.121			ug/L
	Mo	98	480.621	10.534	0.001	0.11294	12.31	ug/L
	Ag	107	799.385	8.330	0.002	0.13211	11.32	ug/L
	Cd	111	245.266	6.431	0.000	0.02304	48.03	ug/L
	Cd	114	91.854	36.550	-0.000	-0.00144	874.86	mg/L
>	In	115	344494.908	1.176	344494.908			ug/L
	Sb	121	361.344	1.278	0.001	0.08111	2.98	ug/L
	Ba	135	138.002	67.916	0.000	0.07942	126.25	ug/L
>	Tb	159	416491.353	1.065	416491.353			ug/L
	Ho	165	377592.513	0.541	0.012			ug/L
	Tl	205	1048.755	9.362	0.002	0.15458	12.03	ug/L
	Pb	208	516.675	2.957	0.000	0.01598	10.83	ug/L
	Bi	209	153416.792	2.378	0.019			ug/L
	Th	232	166.669	7.621	-0.000	-0.00609	33.48	ug/L
	U	238	105.334	21.172	0.000	0.00839	37.37	ug/L
	Na	23	73617.818	2.085	0.048	0.00371	7.90	mg/L
	Mg	24	9140.746	40.622	0.010	0.00110	112.05	mg/L
	K	39	1394018.866	1.589	0.128	0.00474	48.29	mg/L
	Ca	44	25947.101	2.288	-0.013	-0.01513	14.65	mg/L
	Fe	54	42499.833	1.755	-0.004	-0.00200	70.69	mg/L
>	Sc-1	45	322105.078	0.481	322105.078			mg/L
	Kr	83	120.001	15.899	-2.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		101.816			
	Be	9					
	Al	27					
>	Sc	45		97.763			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		96.347			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.663			
	Sb	121					
	Ba	135					
>	Tb	159		86.915			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-68 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:38:03
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-68 @5X.7556
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	35457.686	2.944	35457.686			ug/L
	Be	9	22.000	15.746	0.000	0.05381	22.85	ug/L
	Al	27	151826.026	5.856	0.485	30.19271	4.91	ug/L
>	Sc	45	279963.976	1.560	279963.976			ug/L
	V	51	-806.278	73.888	-0.015	-0.39297	14.09	ug/L
	Cr	52	13127.123	4.480	0.007	0.20973	20.90	ug/L
	Mn	55	4031984.749	3.678	14.396	326.20328	2.47	ug/L
	Co	59	-1418.805	3.759	-0.006	-0.16280	3.19	ug/L
	Ni	60	-1936.600	10.970	-0.007	-0.98210	11.16	ug/L
	Cu	65	9589.529	1.553	0.032	4.70575	1.25	ug/L
	Zn	66	582585.344	1.597	2.201	478.95161	2.68	ug/L
>	Ge	72	264411.465	1.618	264411.465			ug/L
	As	75	-61.885	172.055	-0.000	-0.03131	258.20	ug/L
	Se	82	128.668	18.675	0.000	0.03423	555.39	ug/L
	Y	89	432843.635	2.011	-82356.649			ug/L
	Mo	98	9030.772	2.709	0.030	2.61304	4.51	ug/L
	Ag	107	462.684	10.610	0.001	0.07778	16.65	ug/L
	Cd	111	2852.899	2.678	0.009	2.55498	4.12	ug/L
	Cd	114	5973.848	0.861	0.019	2.57564	1.18	mg/L
>	In	115	303748.897	1.866	303748.897			ug/L
	Sb	121	317.342	17.356	0.001	0.08052	19.44	ug/L
	Ba	135	3352.233	4.817	0.009	3.94566	6.27	ug/L
>	Tb	159	372364.209	1.408	372364.209			ug/L
	Ho	165	343949.083	2.051	0.029			ug/L
	Tl	205	1424.163	6.118	0.003	0.25699	8.25	ug/L
	Pb	208	4554.650	2.991	0.011	0.65163	3.09	ug/L
	Bi	209	151197.571	2.204	0.056			ug/L
	Th	232	119.334	8.601	-0.000	-0.01086	15.89	ug/L
	U	238	5164.800	0.792	0.014	0.84160	2.13	ug/L
	Na	23	8353902.179	2.335	29.661	2.30334	2.38	mg/L
	Mg	24	10419943.577	5.565	37.188	4.05126	4.22	mg/L
	K	39	3877161.207	3.924	9.648	0.35849	4.77	mg/L
	Ca	44	11599663.343	2.069	41.337	49.25912	0.64	mg/L
	Fe	54	250500.911	3.035	0.759	0.36512	2.39	mg/L
>	Sc-1	45	279963.976	1.560	279963.976			mg/L
	Kr	83	116.668	17.342	-5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		85.876			
	Be	9					
	Al	27					
>	Sc	45		84.973			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		89.617			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		84.348			
	Sb	121					
	Ba	135					
>	Tb	159		77.706			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-71 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:40:51
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-71 @5X.7557
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	33669.783	0.449	33669.783			ug/L
	Be	9	24.000	14.434	0.001	0.06492	18.61	ug/L
	Al	27	167941.672	4.728	0.580	36.14357	3.39	ug/L
>	Sc	45	263339.890	2.695	263339.890			ug/L
	V	51	-582.620	197.661	-0.015	-0.37513	30.17	ug/L
	Cr	52	13586.752	0.170	0.011	0.36169	11.42	ug/L
	Mn	55	3824591.236	2.258	14.522	329.05200	1.25	ug/L
	Co	59	-1126.175	7.903	-0.005	-0.13977	7.49	ug/L
	Ni	60	-1533.199	11.509	-0.006	-0.83390	12.32	ug/L
	Cu	65	11630.374	2.949	0.042	6.15684	4.59	ug/L
	Zn	66	600187.837	1.913	2.368	515.37335	1.66	ug/L
>	Ge	72	253108.093	0.381	253108.093			ug/L
	As	75	-126.166	154.542	-0.000	-0.08501	181.35	ug/L
	Se	82	125.335	6.449	0.000	0.05064	131.83	ug/L
	Y	89	424262.017	1.588	-90938.268			ug/L
	Mo	98	9328.314	3.297	0.031	2.73567	4.14	ug/L
	Ag	107	308.008	10.729	0.001	0.04376	14.40	ug/L
	Cd	111	2882.414	1.395	0.009	2.62096	3.32	ug/L
	Cd	114	5978.461	0.365	0.020	2.61330	1.44	mg/L
>	In	115	299671.408	1.730	299671.408			ug/L
	Sb	121	272.006	7.677	0.001	0.06781	11.76	ug/L
	Ba	135	3227.500	1.701	0.009	3.84026	1.91	ug/L
>	Tb	159	367989.659	1.111	367989.659			ug/L
	Ho	165	333527.528	1.686	0.012			ug/L
	Tl	205	1288.133	3.794	0.003	0.23143	3.40	ug/L
	Pb	208	5053.457	2.971	0.013	0.73862	4.28	ug/L
	Bi	209	151222.460	1.311	0.061			ug/L
	Th	232	122.001	8.675	-0.000	-0.01020	17.70	ug/L
	U	238	5197.496	4.120	0.014	0.85721	5.04	ug/L
	Na	23	6871599.918	4.626	25.905	2.01166	2.12	mg/L
	Mg	24	9198504.788	6.470	34.889	3.80087	3.86	mg/L
	K	39	3176254.132	2.612	7.862	0.29214	2.01	mg/L
	Ca	44	10694676.654	1.240	40.531	48.29855	1.98	mg/L
	Fe	54	266670.777	1.543	0.877	0.42215	3.76	mg/L
>	Sc-1	45	263339.890	2.695	263339.890			mg/L
	Kr	83	97.334	29.228	-24.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		81.546			
	Be	9					
	Al	27					
>	Sc	45		79.927			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		85.786			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.216			
	Sb	121					
	Ba	135					
>	Tb	159		76.793			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-74 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:43:39
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-74 @5X.7558
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	34036.515	3.785	34036.515			ug/L
	Be	9	18.667	24.744	0.000	0.04549	42.61	ug/L
	Al	27	176816.580	1.453	0.593	36.91159	1.00	ug/L
>	Sc	45	272072.423	1.921	272072.423			ug/L
	V	51	-613.657	314.335	-0.015	-0.37919	48.25	ug/L
	Cr	52	13087.694	2.373	0.008	0.24925	13.27	ug/L
	Mn	55	3846421.660	2.820	14.133	320.23429	1.07	ug/L
	Co	59	-1094.056	29.898	-0.005	-0.13269	28.01	ug/L
	Ni	60	-1590.488	27.344	-0.006	-0.83792	27.28	ug/L
	Cu	65	11418.875	0.837	0.040	5.83373	1.85	ug/L
	Zn	66	586571.928	1.373	2.296	499.65114	1.52	ug/L
>	Ge	72	255159.376	1.103	255159.376			ug/L
	As	75	81.994	557.459	0.000	0.08107	443.94	ug/L
	Se	82	130.668	15.408	0.000	0.08346	177.41	ug/L
	Y	89	420445.978	0.470	-94754.307			ug/L
	Mo	98	9432.478	2.056	0.031	2.77749	1.84	ug/L
	Ag	107	240.005	6.667	0.000	0.02858	11.74	ug/L
	Cd	111	2877.712	1.125	0.009	2.62774	1.83	ug/L
	Cd	114	6094.452	3.012	0.020	2.67643	3.70	mg/L
>	In	115	298376.017	0.680	298376.017			ug/L
	Sb	121	267.339	14.590	0.001	0.06661	18.50	ug/L
	Ba	135	3314.213	3.608	0.009	4.00099	4.12	ug/L
>	Tb	159	362980.893	0.956	362980.893			ug/L
	Ho	165	332669.480	0.513	0.022			ug/L
	Tl	205	1158.774	0.399	0.003	0.20737	1.15	ug/L
	Pb	208	5795.062	3.033	0.015	0.86746	2.73	ug/L
	Bi	209	150190.841	1.735	0.064			ug/L
	Th	232	86.667	11.842	-0.000	-0.01574	11.53	ug/L
	U	238	5420.350	2.112	0.015	0.90637	1.23	ug/L
	Na	23	6988055.183	1.559	25.513	1.98123	3.08	mg/L
	Mg	24	9505260.635	2.892	34.920	3.80419	2.44	mg/L
	K	39	3151891.836	2.973	7.387	0.27450	5.61	mg/L
	Ca	44	10622023.521	1.394	38.956	46.42168	2.20	mg/L
	Fe	54	270250.328	1.729	0.857	0.41266	2.23	mg/L
>	Sc-1	45	272072.423	1.921	272072.423			mg/L
	Kr	83	108.001	6.677	-14.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		82.434			
	Be	9					
	Al	27					
>	Sc	45		82.578			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		86.482			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		82.856			
	Sb	121					
	Ba	135					
>	Tb	159		75.748			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-77 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:46:28
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-77 @5X.7559
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	34893.804	0.622	34893.804			ug/L
	Be	9	23.333	9.897	0.000	0.05958	13.00	ug/L
	Al	27	222448.931	4.063	0.770	47.99663	5.25	ug/L
>	Sc	45	268791.996	1.720	268791.996			ug/L
	V	51	-2226.451	57.824	-0.021	-0.53411	24.09	ug/L
	Cr	52	13259.388	2.117	0.009	0.28842	7.71	ug/L
	Mn	55	4088470.239	0.551	15.210	344.62819	1.18	ug/L
	Co	59	-835.983	29.638	-0.004	-0.10602	27.07	ug/L
	Ni	60	-1577.329	9.745	-0.006	-0.84017	10.96	ug/L
	Cu	65	14951.956	2.646	0.054	7.82821	3.15	ug/L
	Zn	66	618675.661	0.740	2.393	520.80946	1.06	ug/L
>	Ge	72	258211.108	1.287	258211.108			ug/L
	As	75	-332.249	22.931	-0.001	-0.24213	23.73	ug/L
	Se	82	129.335	12.969	0.000	0.06304	223.44	ug/L
	Y	89	422984.689	0.807	-92215.596			ug/L
	Mo	98	9417.343	3.094	0.031	2.74118	1.62	ug/L
	Ag	107	228.004	4.020	0.000	0.02529	11.37	ug/L
	Cd	111	2961.314	3.492	0.009	2.67577	1.44	ug/L
	Cd	114	6315.660	4.717	0.021	2.74145	2.59	mg/L
>	In	115	301810.650	2.166	301810.650			ug/L
	Sb	121	239.338	4.897	0.001	0.05688	6.73	ug/L
	Ba	135	3144.791	2.251	0.008	3.73744	4.10	ug/L
>	Tb	159	368438.946	2.484	368438.946			ug/L
	Ho	165	338999.008	1.940	0.026			ug/L
	Tl	205	1104.098	8.117	0.002	0.19211	10.25	ug/L
	Pb	208	6194.525	1.411	0.016	0.91671	1.15	ug/L
	Bi	209	151720.316	3.608	0.062			ug/L
	Th	232	92.001	17.794	-0.000	-0.01506	19.32	ug/L
	U	238	5338.946	1.483	0.014	0.87961	1.93	ug/L
	Na	23	7257924.771	2.794	26.818	2.08256	1.09	mg/L
	Mg	24	9565696.501	2.506	35.566	3.87464	0.89	mg/L
	K	39	3204316.854	1.735	7.724	0.28701	4.21	mg/L
	Ca	44	10867639.764	1.228	40.344	48.07494	1.63	mg/L
	Fe	54	337285.571	1.508	1.119	0.53868	3.63	mg/L
>	Sc-1	45	268791.996	1.720	268791.996			mg/L
	Kr	83	110.668	9.954	-11.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		84.511			
	Be	9					
	Al	27					
>	Sc	45		81.582			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		87.516			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.810			
	Sb	121					
	Ba	135					
>	Tb	159		76.887			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-80 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:49:16
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-80 @5X.7560
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	35481.783	1.666	35481.783			ug/L
	Be	9	36.000	28.868	0.001	0.10183	35.91	ug/L
	Al	27	359045.190	1.811	1.264	78.71195	1.23	ug/L
>	Sc	45	271820.936	1.758	271820.936			ug/L
	V	51	-382.905	497.405	-0.014	-0.35662	51.37	ug/L
	Cr	52	13421.734	2.111	0.009	0.29005	10.82	ug/L
	Mn	55	4335984.360	1.102	15.950	361.40173	0.69	ug/L
	Co	59	-375.082	43.147	-0.002	-0.05542	32.35	ug/L
	Ni	60	-1524.180	16.738	-0.006	-0.80360	15.70	ug/L
	Cu	65	26144.069	1.112	0.094	13.75167	1.98	ug/L
	Zn	66	754102.181	1.397	2.943	640.64341	1.49	ug/L
>	Ge	72	255911.524	0.369	255911.524			ug/L
	As	75	-10.938	2381.689	0.000	0.00611	3327.25	ug/L
	Se	82	129.335	27.504	0.000	0.07052	390.87	ug/L
	Y	89	425693.190	0.955	-89507.094			ug/L
	Mo	98	9152.575	3.016	0.030	2.61795	4.18	ug/L
	Ag	107	205.337	10.685	0.000	0.01933	25.45	ug/L
	Cd	111	3502.835	3.895	0.011	3.14001	3.85	ug/L
	Cd	114	7626.849	2.854	0.025	3.26062	2.69	mg/L
>	In	115	307200.820	1.196	307200.820			ug/L
	Sb	121	224.671	21.110	0.001	0.05105	29.12	ug/L
	Ba	135	3252.847	2.094	0.009	3.88981	0.96	ug/L
>	Tb	159	366195.991	1.445	366195.991			ug/L
	Ho	165	340216.512	1.144	0.035			ug/L
	Tl	205	974.743	11.536	0.002	0.16607	16.16	ug/L
	Pb	208	9223.984	0.589	0.024	1.40114	1.82	ug/L
	Bi	209	148186.853	0.429	0.055			ug/L
	Th	232	110.668	2.761	-0.000	-0.01195	5.88	ug/L
	U	238	5705.270	0.736	0.015	0.94608	0.77	ug/L
	Na	23	7285004.558	1.702	26.620	2.06721	0.07	mg/L
	Mg	24	9682812.459	1.113	35.613	3.87970	2.40	mg/L
	K	39	3109841.973	0.950	7.242	0.26910	1.69	mg/L
	Ca	44	10774025.813	1.150	39.547	47.12497	0.87	mg/L
	Fe	54	539414.330	1.205	1.849	0.88986	2.43	mg/L
>	Sc-1	45	271820.936	1.758	271820.936			mg/L
	Kr	83	127.335	7.083	5.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		85.935			
	Be	9					
	Al	27					
>	Sc	45		82.501			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		86.737			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.307			
	Sb	121					
	Ba	135					
>	Tb	159		76.419			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-83 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:52:05
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-83 @5X.7561
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36168.389	2.381	36168.389			ug/L
	Be	9	18.000	22.222	0.000	0.03867	31.24	ug/L
	Al	27	47606.631	0.803	0.114	7.11697	4.34	ug/L
>	Sc	45	277442.714	2.165	277442.714			ug/L
	V	51	-793.688	41.358	-0.015	-0.39253	7.86	ug/L
	Cr	52	13674.953	3.035	0.009	0.28754	19.86	ug/L
	Mn	55	5876964.061	2.345	21.180	479.90669	1.07	ug/L
	Co	59	-6160.380	1.542	-0.023	-0.66284	2.27	ug/L
	Ni	60	-3603.949	3.904	-0.013	-1.80668	4.09	ug/L
	Cu	65	-2324.766	3.522	-0.010	-1.51988	1.15	ug/L
	Zn	66	59759.696	1.140	0.231	50.22392	1.40	ug/L
>	Ge	72	255330.442	0.241	255330.442			ug/L
	As	75	-40.346	750.736	-0.000	-0.01635	1448.45	ug/L
	Se	82	248.005	9.508	0.001	1.00518	18.56	ug/L
	Y	89	425827.475	0.660	-89372.809			ug/L
	Mo	98	3860.919	0.162	0.013	1.12896	1.37	ug/L
	Ag	107	183.336	3.333	0.000	0.01557	7.64	ug/L
	Cd	111	370.943	3.372	0.001	0.17745	8.62	ug/L
	Cd	114	526.348	3.015	0.001	0.19708	2.66	mg/L
>	In	115	298916.654	1.189	298916.654			ug/L
	Sb	121	125.335	15.167	0.000	0.02149	28.55	ug/L
	Ba	135	2373.117	1.555	0.006	2.85405	2.19	ug/L
>	Tb	159	361927.641	1.704	361927.641			ug/L
	Ho	165	329646.659	0.114	0.016			ug/L
	Tl	205	954.740	6.304	0.002	0.16384	5.77	ug/L
	Pb	208	2257.499	2.228	0.005	0.30499	2.56	ug/L
	Bi	209	149127.664	1.259	0.062			ug/L
	Th	232	39.333	28.005	-0.000	-0.02352	7.95	ug/L
	U	238	3097.434	1.943	0.008	0.51649	1.51	ug/L
	Na	23	6745790.428	1.883	24.135	1.87420	0.72	mg/L
	Mg	24	14325972.185	0.510	51.634	5.62500	2.20	mg/L
	K	39	4091003.891	0.681	10.549	0.39197	2.32	mg/L
	Ca	44	11914060.561	2.488	42.854	51.06581	2.17	mg/L
	Fe	54	116833.900	1.657	0.285	0.13719	0.97	mg/L
>	Sc-1	45	277442.714	2.165	277442.714			mg/L
	Kr	83	128.001	9.758	6.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		87.598			
	Be	9					
	Al	27					
>	Sc	45		84.208			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		86.540			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.006			
	Sb	121					
	Ba	135					
>	Tb	159		75.528			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-86 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:54:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-86 @5X.7562
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37020.672	1.644	37020.672			ug/L
	Be	9	30.667	7.531	0.001	0.07903	10.62	ug/L
	Al	27	280375.199	1.604	0.935	58.22984	1.12	ug/L
>	Sc	45	282643.748	2.618	282643.748			ug/L
	V	51	-172.466	789.806	-0.013	-0.33493	37.76	ug/L
	Cr	52	13988.307	2.029	0.009	0.29381	7.48	ug/L
	Mn	55	4232499.293	2.203	14.973	339.26173	0.42	ug/L
	Co	59	-497.602	32.449	-0.002	-0.06660	26.96	ug/L
	Ni	60	-1579.298	9.004	-0.006	-0.80079	7.66	ug/L
	Cu	65	19402.042	0.290	0.067	9.73205	2.48	ug/L
	Zn	66	667677.054	0.565	2.548	554.46330	1.11	ug/L
>	Ge	72	261762.619	0.655	261762.619			ug/L
	As	75	-58.930	299.213	-0.000	-0.03044	444.53	ug/L
	Se	82	112.668	6.721	-0.000	-0.07947	68.94	ug/L
	Y	89	428696.719	1.111	-86503.566			ug/L
	Mo	98	9803.278	2.474	0.032	2.83142	1.11	ug/L
	Ag	107	197.337	25.667	0.000	0.01798	63.27	ug/L
	Cd	111	3207.918	2.371	0.010	2.89087	3.31	ug/L
	Cd	114	6698.709	1.869	0.022	2.88853	2.79	mg/L
>	In	115	304193.592	1.368	304193.592			ug/L
	Sb	121	239.338	1.930	0.001	0.05629	4.31	ug/L
	Ba	135	3078.758	1.139	0.008	3.65991	0.90	ug/L
>	Tb	159	367983.965	0.410	367983.965			ug/L
	Ho	165	333654.778	1.314	0.012			ug/L
	Tl	205	918.068	6.112	0.002	0.15277	8.22	ug/L
	Pb	208	7329.014	0.140	0.019	1.09604	0.53	ug/L
	Bi	209	152429.070	0.479	0.064			ug/L
	Th	232	95.334	20.376	-0.000	-0.01454	21.36	ug/L
	U	238	5497.751	2.657	0.015	0.90690	2.73	ug/L
	Na	23	7467111.611	1.276	26.251	2.03851	3.06	mg/L
	Mg	24	9766077.372	0.372	34.549	3.76378	2.42	mg/L
	K	39	3200686.248	1.090	7.127	0.26484	3.08	mg/L
	Ca	44	10851589.365	1.924	38.305	45.64496	0.69	mg/L
	Fe	54	407908.353	0.398	1.308	0.62941	2.60	mg/L
>	Sc-1	45	282643.748	2.618	282643.748			mg/L
	Kr	83	112.668	9.777	-9.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		89.662			
	Be	9					
	Al	27					
>	Sc	45		85.786			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		88.720			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		84.472			
	Sb	121					
	Ba	135					
>	Tb	159		76.792			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-89 @5X

Sample Date/Time: Tuesday, November 30, 2010 10:57:43
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-89 @5X.7563
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37413.670	1.720	37413.670			ug/L
	Be	9	27.333	22.354	0.001	0.06732	31.64	ug/L
	Al	27	310551.163	0.595	1.042	64.89877	1.37	ug/L
>	Sc	45	282542.889	0.842	282542.889			ug/L
	V	51	-1345.282	74.661	-0.017	-0.44144	20.82	ug/L
	Cr	52	14043.762	1.143	0.009	0.30054	9.00	ug/L
	Mn	55	4212211.365	0.818	14.906	337.76119	1.61	ug/L
	Co	59	-598.758	44.044	-0.003	-0.07683	35.79	ug/L
	Ni	60	-1769.848	7.784	-0.007	-0.89325	8.13	ug/L
	Cu	65	21891.454	1.523	0.075	11.01810	1.33	ug/L
	Zn	66	684919.985	1.305	2.620	570.20910	1.07	ug/L
>	Ge	72	261101.716	0.365	261101.716			ug/L
	As	75	101.620	139.416	0.000	0.09297	117.09	ug/L
	Se	82	120.668	13.900	-0.000	-0.01542	857.69	ug/L
	Y	89	425251.452	1.380	-89948.832			ug/L
	Mo	98	9962.329	0.641	0.032	2.84947	1.50	ug/L
	Ag	107	174.669	18.896	0.000	0.01260	62.89	ug/L
	Cd	111	3187.033	3.255	0.010	2.83957	2.52	ug/L
	Cd	114	7027.546	2.163	0.023	3.00095	1.40	mg/L
>	In	115	307273.528	2.150	307273.528			ug/L
	Sb	121	230.671	13.498	0.001	0.05275	15.67	ug/L
	Ba	135	3165.470	6.124	0.008	3.75679	4.05	ug/L
>	Tb	159	368564.269	2.129	368564.269			ug/L
	Ho	165	338252.035	2.679	0.023			ug/L
	Tl	205	822.721	3.319	0.002	0.13226	5.91	ug/L
	Pb	208	8066.683	1.097	0.021	1.21052	3.30	ug/L
	Bi	209	151540.551	2.481	0.061			ug/L
	Th	232	90.667	18.500	-0.000	-0.01535	15.51	ug/L
	U	238	5280.897	2.076	0.014	0.86994	4.09	ug/L
	Na	23	7557780.803	0.560	26.569	2.06326	0.85	mg/L
	Mg	24	9946528.548	0.968	35.188	3.83338	1.48	mg/L
	K	39	3247823.613	0.801	7.295	0.27107	1.25	mg/L
	Ca	44	10932237.603	0.835	38.599	45.99601	0.21	mg/L
	Fe	54	449598.849	1.377	1.455	0.70049	2.41	mg/L
>	Sc-1	45	282542.889	0.842	282542.889			mg/L
	Kr	83	114.668	8.779	-7.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		90.614			
	Be	9					
	Al	27					
>	Sc	45		85.756			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		88.496			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.327			
	Sb	121					
	Ba	135					
>	Tb	159		76.913			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-92 @5X

Sample Date/Time: Tuesday, November 30, 2010 11:00:32
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-92 @5X.7564
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	36671.269	0.400	36671.269			ug/L
	Be	9	31.333	9.750	0.001	0.08214	12.22	ug/L
	Al	27	380827.510	1.089	1.331	82.94215	1.36	ug/L
>	Sc	45	274226.225	1.367	274226.225			ug/L
	V	51	-878.594	64.374	-0.016	-0.40123	13.26	ug/L
	Cr	52	13785.857	1.652	0.010	0.31857	3.68	ug/L
	Mn	55	4324236.065	0.826	15.767	357.25017	0.55	ug/L
	Co	59	-514.989	28.798	-0.002	-0.06961	21.72	ug/L
	Ni	60	-1656.752	8.835	-0.006	-0.86234	7.58	ug/L
	Cu	65	27422.318	0.727	0.098	14.30773	1.07	ug/L
	Zn	66	734787.281	0.982	2.881	627.05651	0.94	ug/L
>	Ge	72	254755.914	0.854	254755.914			ug/L
	As	75	-39.817	313.091	-0.000	-0.01667	589.19	ug/L
	Se	82	116.001	6.217	-0.000	-0.02953	176.35	ug/L
	Y	89	424151.796	0.696	-91048.488			ug/L
	Mo	98	9704.509	2.078	0.032	2.83615	2.71	ug/L
	Ag	107	184.669	11.479	0.000	0.01569	35.45	ug/L
	Cd	111	3549.724	1.916	0.011	3.25754	2.02	ug/L
	Cd	114	7371.202	1.080	0.024	3.21985	2.91	mg/L
>	In	115	300722.606	1.841	300722.606			ug/L
	Sb	121	239.338	20.509	0.001	0.05716	27.26	ug/L
	Ba	135	3248.177	1.665	0.009	3.96793	2.73	ug/L
>	Tb	159	358677.662	1.106	358677.662			ug/L
	Ho	165	332058.486	1.394	0.031			ug/L
	Tl	205	807.386	4.103	0.002	0.13362	4.14	ug/L
	Pb	208	9753.608	1.930	0.026	1.51678	1.29	ug/L
	Bi	209	147052.197	1.808	0.060			ug/L
	Th	232	121.335	12.372	-0.000	-0.00981	24.58	ug/L
	U	238	5403.002	2.418	0.015	0.91438	1.64	ug/L
	Na	23	7640847.325	0.985	27.687	2.15004	1.97	mg/L
	Mg	24	10109985.063	0.822	36.851	4.01462	0.78	mg/L
	K	39	3274597.004	1.478	7.742	0.28767	2.33	mg/L
	Ca	44	10822533.128	1.197	39.373	46.91842	0.35	mg/L
	Fe	54	554358.025	0.552	1.886	0.90757	0.89	mg/L
>	Sc-1	45	274226.225	1.367	274226.225			mg/L
	Kr	83	124.668	13.358	2.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		88.815			
	Be	9					
	Al	27					
>	Sc	45		83.231			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		86.345			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.508			
	Sb	121					
	Ba	135					
>	Tb	159		74.850			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 11:03:20
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7565
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39968.072	1.421	39968.072			ug/L
	Be	9	5.333	86.603	-0.000	-0.00523	270.22	ug/L
	Al	27	14333.786	5.658	-0.009	-0.56236	26.26	ug/L
>	Sc	45	296150.009	1.244	296150.009			ug/L
	V	51	3332.820	20.422	-0.001	-0.02723	226.09	ug/L
	Cr	52	11753.713	2.664	-0.001	-0.02012	246.17	ug/L
	Mn	55	1412.200	16.490	0.002	0.03887	42.31	ug/L
	Co	59	86.141	13.977	-0.000	-0.00648	19.28	ug/L
	Ni	60	36.140	22.575	-0.000	-0.02563	14.52	ug/L
	Cu	65	282.076	10.195	-0.001	-0.15725	10.09	ug/L
	Zn	66	1047.421	4.745	0.001	0.15417	19.76	ug/L
>	Ge	72	261435.868	1.382	261435.868			ug/L
	As	75	43.877	207.786	0.000	0.04916	143.81	ug/L
	Se	82	118.001	17.202	-0.000	-0.03653	446.03	ug/L
	Y	89	437251.473	1.465	-77948.811			ug/L
	Mo	98	66.082	21.683	0.000	0.00806	48.79	ug/L
	Ag	107	136.002	14.706	0.000	0.00273	153.68	ug/L
	Cd	111	204.192	5.147	0.000	0.00168	549.41	ug/L
	Cd	114	52.681	59.412	-0.000	-0.01497	84.88	mg/L
>	In	115	319824.697	1.279	319824.697			ug/L
	Sb	121	21.333	14.321	-0.000	-0.01192	7.24	ug/L
	Ba	135	24.667	61.394	-0.000	-0.03888	46.19	ug/L
>	Tb	159	374480.276	2.126	374480.276			ug/L
	Ho	165	343046.827	2.564	0.022			ug/L
	Tl	205	405.347	8.580	0.001	0.04228	21.13	ug/L
	Pb	208	198.001	10.690	-0.000	-0.02513	15.30	ug/L
	Bi	209	148814.264	1.023	0.048			ug/L
	Th	232	26.667	28.395	-0.000	-0.02578	4.46	ug/L
	U	238	12.667	9.116	-0.000	-0.00499	3.82	ug/L
	Na	23	14902.138	45.037	-0.130	-0.01013	17.44	mg/L
	Mg	24	3659.805	30.695	-0.006	-0.00064	63.87	mg/L
	K	39	1185960.309	2.365	-0.196	-0.00728	22.85	mg/L
	Ca	44	24458.667	8.626	-0.011	-0.01276	57.60	mg/L
	Fe	54	37778.751	0.782	-0.009	-0.00411	26.80	mg/L
>	Sc-1	45	296150.009	1.244	296150.009			mg/L
	Kr	83	104.668	9.618	-17.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		96.800			
	Be	9					
	Al	27					
>	Sc	45		89.886			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		88.609			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.812			
	Sb	121					
	Ba	135					
>	Tb	159		78.148			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 11:06:08
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7566
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	39629.938	1.756	39629.938			ug/L
	Be	9	16616.060	0.972	0.419	50.87112	1.52	ug/L
	Al	27	1398212.610	2.384	4.831	300.96444	2.37	ug/L
>	Sc	45	286019.959	1.031	286019.959			ug/L
	V	51	561187.125	0.734	1.950	50.40730	0.48	ug/L
	Cr	52	466319.127	1.322	1.590	50.95547	2.14	ug/L
	Mn	55	660733.839	0.959	2.307	52.27510	0.31	ug/L
	Co	59	504713.948	0.436	1.764	51.46438	1.30	ug/L
	Ni	60	106127.968	0.362	0.371	50.35247	1.28	ug/L
	Cu	65	102028.385	0.928	0.355	51.80158	1.81	ug/L
	Zn	66	61313.961	0.717	0.239	51.93880	0.48	ug/L
>	Ge	72	253438.649	0.915	253438.649			ug/L
	As	75	63663.994	1.357	0.251	50.24493	0.92	ug/L
	Se	82	6373.915	0.728	0.025	49.48216	0.79	ug/L
	Y	89	416945.009	1.467	-98255.275			ug/L
	Mo	98	175393.083	1.016	0.566	49.89105	0.98	ug/L
	Ag	107	231756.255	0.981	0.747	50.96873	0.97	ug/L
	Cd	111	54696.875	0.966	0.176	51.26884	0.92	ug/L
	Cd	114	119641.394	1.637	0.386	51.23171	1.82	mg/L
>	In	115	309944.126	0.293	309944.126			ug/L
	Sb	121	167070.984	0.775	0.539	51.02271	0.58	ug/L
	Ba	135	43159.174	0.590	0.118	52.79619	0.94	ug/L
>	Tb	159	363829.039	1.517	363829.039			ug/L
	Ho	165	334926.629	1.937	0.026			ug/L
	Tl	205	260258.755	3.363	0.715	55.95400	2.02	ug/L
	Pb	208	346586.207	0.403	0.952	55.04147	1.50	ug/L
	Bi	209	142304.777	1.679	0.041			ug/L
	Th	232	354394.583	1.446	0.974	58.20890	1.67	ug/L
	U	238	351676.463	1.347	0.967	59.12989	1.69	ug/L
	Na	23	21452668.609	0.398	74.829	5.81090	1.17	mg/L
	Mg	24	14770456.148	0.763	51.629	5.62454	1.75	mg/L
	K	39	42696222.503	1.118	145.085	5.39109	1.40	mg/L
	Ca	44	1386137.729	0.976	4.753	5.66423	1.33	mg/L
	Fe	54	3265963.176	0.778	11.283	5.43067	0.28	mg/L
>	Sc-1	45	286019.959	1.031	286019.959			mg/L
	Kr	83	98.001	19.681	-24.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		95.981			
	Be	9	101.742				
	Al	27	120.386				
>	Sc	45		86.811			
	V	51	100.815				
	Cr	52	101.911				
	Mn	55	104.550				
	Co	59	102.929				
	Ni	60	100.705				
	Cu	65	103.603				
	Zn	66	103.878				
>	Ge	72		85.898			
	As	75	100.490				
	Se	82	98.964				
	Y	89					
	Mo	98	99.782				
	Ag	107	101.937				
	Cd	111	102.538				
	Cd	114					
>	In	115		86.068			
	Sb	121	102.045				
	Ba	135	105.592				
>	Tb	159		75.925			
	Ho	165					
	Tl	205	111.908				
	Pb	208	110.083				
	Bi	209					
	Th	232	116.418				
	U	238	118.260				
	Na	23	116.218				
	Mg	24	112.491				
	K	39	107.822				
	Ca	44	113.285				
	Fe	54	108.613				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 11:09:09
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7567
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40469.995	2.606	40469.995			ug/L
	Be	9	8.667	70.501	0.000	0.00455	402.18	ug/L
	Al	27	19217.527	3.698	0.006	0.39141	37.01	ug/L
>	Sc	45	301689.896	0.571	301689.896			ug/L
	V	51	3346.979	2.899	-0.001	-0.03174	23.19	ug/L
	Cr	52	11230.080	0.503	-0.003	-0.09950	2.82	ug/L
	Mn	55	1667.766	51.120	0.002	0.05610	113.35	ug/L
	Co	59	227.238	19.787	0.000	0.00700	60.96	ug/L
	Ni	60	115.901	10.576	0.000	0.00999	56.99	ug/L
	Cu	65	1139.388	8.521	0.002	0.25492	17.52	ug/L
	Zn	66	1373.484	4.336	0.002	0.42014	11.27	ug/L
>	Ge	72	262746.725	0.803	262746.725			ug/L
	As	75	48.302	109.147	0.000	0.05157	77.62	ug/L
	Se	82	114.668	9.606	-0.000	-0.06684	136.17	ug/L
	Y	89	441642.536	1.121	-73557.749			ug/L
	Mo	98	424.097	17.016	0.001	0.10483	19.25	ug/L
	Ag	107	642.700	12.119	0.002	0.10848	15.59	ug/L
	Cd	111	213.196	13.872	0.000	0.00653	404.83	ug/L
	Cd	114	102.750	17.517	0.000	0.00513	138.03	mg/L
>	In	115	325442.374	0.641	325442.374			ug/L
	Sb	121	314.675	13.428	0.001	0.07328	16.00	ug/L
	Ba	135	62.000	14.061	0.000	0.00344	299.34	ug/L
>	Tb	159	385809.695	0.639	385809.695			ug/L
	Ho	165	354266.568	0.615	0.024			ug/L
	Tl	205	488.019	7.916	0.001	0.05643	13.23	ug/L
	Pb	208	452.006	5.853	0.000	0.01198	29.87	ug/L
	Bi	209	147509.928	1.205	0.033			ug/L
	Th	232	155.335	23.823	-0.000	-0.00595	96.57	ug/L
	U	238	100.001	19.698	0.000	0.00878	34.65	ug/L
	Na	23	71206.947	3.225	0.055	0.00429	12.36	mg/L
	Mg	24	8600.214	27.634	0.010	0.00112	75.47	mg/L
	K	39	1347119.824	1.205	0.265	0.00986	24.96	mg/L
	Ca	44	23019.663	2.332	-0.017	-0.02019	12.45	mg/L
	Fe	54	39251.904	1.701	-0.006	-0.00289	25.09	mg/L
>	Sc-1	45	301689.896	0.571	301689.896			mg/L
	Kr	83	100.667	2.294	-21.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.016			
	Be	9					
	Al	27					
>	Sc	45		91.567			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		89.053			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		90.372			
	Sb	121					
	Ba	135					
>	Tb	159		80.512			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-95 @5X

Sample Date/Time: Tuesday, November 30, 2010 11:12:11
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-95 @5X.7568
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	38370.763	0.764	38370.763			ug/L
	Be	9	35.333	8.646	0.001	0.09018	10.36	ug/L
	Al	27	394097.091	2.446	1.303	81.19174	1.65	ug/L
>	Sc	45	289594.375	1.017	289594.375			ug/L
	V	51	-277.459	331.922	-0.013	-0.34386	24.12	ug/L
	Cr	52	13628.178	1.745	0.007	0.21578	14.73	ug/L
	Mn	55	4372621.787	2.005	15.097	342.06999	2.02	ug/L
	Co	59	-476.124	9.973	-0.002	-0.06296	8.39	ug/L
	Ni	60	-1944.862	13.485	-0.007	-0.95509	13.88	ug/L
	Cu	65	28287.961	0.802	0.096	13.96846	0.61	ug/L
	Zn	66	726451.829	0.933	2.730	594.18177	2.10	ug/L
>	Ge	72	265822.376	1.185	265822.376			ug/L
	As	75	215.008	160.288	0.001	0.17878	145.64	ug/L
	Se	82	114.001	22.807	-0.000	-0.08391	221.54	ug/L
	Y	89	441591.283	2.392	-73609.002			ug/L
	Mo	98	10285.143	1.191	0.032	2.83040	1.89	ug/L
	Ag	107	467.351	8.574	0.001	0.07353	11.17	ug/L
	Cd	111	3458.699	3.119	0.010	2.97323	2.56	ug/L
	Cd	114	7530.650	2.403	0.023	3.09543	2.36	mg/L
>	In	115	319322.875	0.859	319322.875			ug/L
	Sb	121	311.341	1.337	0.001	0.07410	2.61	ug/L
	Ba	135	3172.139	3.202	0.008	3.68212	3.47	ug/L
>	Tb	159	376929.181	0.852	376929.181			ug/L
	Ho	165	346184.389	1.811	0.024			ug/L
	Tl	205	735.377	5.033	0.001	0.11017	7.21	ug/L
	Pb	208	10194.584	1.406	0.026	1.50850	2.18	ug/L
	Bi	209	156358.332	2.292	0.065			ug/L
	Th	232	177.336	9.116	-0.000	-0.00189	139.16	ug/L
	U	238	5350.291	3.420	0.014	0.86114	2.63	ug/L
	Na	23	7698173.978	1.292	26.402	2.05024	0.74	mg/L
	Mg	24	10122853.723	0.639	34.939	3.80626	0.91	mg/L
	K	39	3316079.003	2.141	7.250	0.26940	2.35	mg/L
	Ca	44	11192655.324	1.769	38.558	45.94675	1.82	mg/L
	Fe	54	564416.555	1.280	1.813	0.87264	1.67	mg/L
>	Sc-1	45	289594.375	1.017	289594.375			mg/L
	Kr	83	126.668	19.035	4.667			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		92.932			
	Be	9					
	Al	27					
>	Sc	45		87.896			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		90.096			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.673			
	Sb	121					
	Ba	135					
>	Tb	159		78.659			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: C101104-98 @5X

Sample Date/Time: Tuesday, November 30, 2010 11:15:00
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\C101104-98 @5X.7569
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	37425.070	1.654	37425.070			ug/L
	Be	9	62.667	6.644	0.001	0.18185	9.21	ug/L
	Al	27	1071829.861	3.331	3.712	231.25338	4.13	ug/L
>	Sc	45	284397.014	1.023	284397.014			ug/L
	V	51	686.290	154.124	-0.010	-0.25562	38.01	ug/L
	Cr	52	13626.171	0.677	0.008	0.24306	5.89	ug/L
	Mn	55	4373256.819	1.249	15.376	348.40490	2.09	ug/L
	Co	59	-132.267	140.652	-0.001	-0.02852	66.50	ug/L
	Ni	60	-1856.595	10.869	-0.007	-0.92882	10.38	ug/L
	Cu	65	77084.320	1.174	0.269	39.28758	1.60	ug/L
	Zn	66	868402.502	2.404	3.292	716.58812	2.07	ug/L
>	Ge	72	263493.387	1.095	263493.387			ug/L
	As	75	601.682	13.276	0.002	0.47119	11.88	ug/L
	Se	82	142.002	19.053	0.000	0.13688	142.87	ug/L
	Y	89	442816.498	2.441	-72383.786			ug/L
	Mo	98	11154.570	0.574	0.036	3.15197	2.07	ug/L
	Ag	107	255.339	5.097	0.000	0.02971	9.69	ug/L
	Cd	111	4052.492	1.679	0.012	3.61403	2.87	ug/L
	Cd	114	8707.979	3.709	0.028	3.68237	5.29	mg/L
>	In	115	311131.009	1.496	311131.009			ug/L
	Sb	121	330.009	3.030	0.001	0.08222	4.32	ug/L
	Ba	135	3366.907	3.270	0.009	3.95007	4.15	ug/L
>	Tb	159	373458.240	1.153	373458.240			ug/L
	Ho	165	337842.968	0.643	0.010			ug/L
	Tl	205	711.374	6.901	0.001	0.10663	11.17	ug/L
	Pb	208	28700.454	0.662	0.076	4.38894	1.46	ug/L
	Bi	209	152282.185	3.333	0.058			ug/L
	Th	232	274.673	2.557	0.000	0.01394	6.91	ug/L
	U	238	6798.362	0.902	0.018	1.10656	0.56	ug/L
	Na	23	7433773.272	2.105	25.961	2.01604	2.72	mg/L
	Mg	24	9829104.813	1.028	34.548	3.76367	2.05	mg/L
	K	39	3244067.333	1.028	7.207	0.26781	2.09	mg/L
	Ca	44	10790392.204	2.260	37.857	45.11111	3.30	mg/L
	Fe	54	1417642.095	1.029	4.849	2.33400	1.76	mg/L
>	Sc-1	45	284397.014	1.023	284397.014			mg/L
	Kr	83	110.668	18.282	-11.334			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		90.641			
	Be	9					
	Al	27					
>	Sc	45		86.318			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		89.306			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.398			
	Sb	121					
	Ba	135					
>	Tb	159		77.934			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, November 30, 2010 11:17:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 1011106
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\Blank.7570
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40744.475	3.339	40744.475			ug/L
	Be	9	6.667	17.321	-0.000	-0.00164	239.96	ug/L
	Al	27	18386.659	23.441	0.002	0.10839	875.05	ug/L
>	Sc	45	311949.548	2.395	311949.548			ug/L
	V	51	3344.089	8.625	-0.002	-0.04168	41.76	ug/L
	Cr	52	11691.593	1.288	-0.003	-0.09078	41.38	ug/L
	Mn	55	2010.699	10.712	0.003	0.07730	24.47	ug/L
	Co	59	103.807	17.736	-0.000	-0.00524	35.70	ug/L
	Ni	60	42.473	36.678	-0.000	-0.02360	30.76	ug/L
	Cu	65	402.916	5.413	-0.001	-0.10763	13.32	ug/L
	Zn	66	1214.785	4.025	0.001	0.24044	22.21	ug/L
>	Ge	72	276140.668	1.530	276140.668			ug/L
	As	75	79.852	92.069	0.000	0.07254	72.14	ug/L
	Se	82	117.334	17.411	-0.000	-0.09026	164.47	ug/L
	Y	89	459041.467	2.091	-56158.817			ug/L
	Mo	98	97.115	9.733	0.000	0.01545	16.08	ug/L
	Ag	107	169.336	22.170	0.000	0.00826	92.00	ug/L
	Cd	111	212.507	12.745	0.000	0.00083	2881.47	ug/L
	Cd	114	72.013	20.619	-0.000	-0.00818	71.33	mg/L
>	In	115	334428.367	0.225	334428.367			ug/L
	Sb	121	54.667	11.761	-0.000	-0.00276	64.82	ug/L
	Ba	135	16.000	21.651	-0.000	-0.05009	7.83	ug/L
>	Tb	159	393930.600	0.244	393930.600			ug/L
	Ho	165	355310.892	3.208	0.007			ug/L
	Tl	205	346.010	3.610	0.000	0.02618	9.64	ug/L
	Pb	208	218.001	20.658	-0.000	-0.02374	28.16	ug/L
	Bi	209	152615.031	1.286	0.038			ug/L
	Th	232	30.667	33.467	-0.000	-0.02537	6.19	ug/L
	U	238	16.667	13.856	-0.000	-0.00448	7.90	ug/L
	Na	23	13872.908	13.807	-0.136	-0.01058	5.28	mg/L
	Mg	24	6506.299	33.150	0.003	0.00030	269.38	mg/L
	K	39	1224700.994	1.566	-0.274	-0.01017	11.89	mg/L
	Ca	44	26504.800	3.716	-0.008	-0.00980	59.18	mg/L
	Fe	54	39330.224	3.948	-0.010	-0.00478	75.19	mg/L
>	Sc-1	45	311949.548	2.395	311949.548			mg/L
	Kr	83	114.668	5.329	-7.333			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.681			
	Be	9					
	Al	27					
>	Sc	45		94.681			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		93.593			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.867			
	Sb	121					
	Ba	135					
>	Tb	159		82.207			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCV

Sample Date/Time: Tuesday, November 30, 2010 11:20:36
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCV.7571
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	40757.836	2.101	40757.836			ug/L
	Be	9	17057.915	1.329	0.418	50.77798	1.20	ug/L
	Al	27	1446118.334	1.424	4.673	291.10574	2.33	ug/L
>	Sc	45	305751.245	0.969	305751.245			ug/L
	V	51	587615.818	1.340	1.910	49.37267	2.04	ug/L
	Cr	52	486578.886	0.666	1.551	49.70465	1.32	ug/L
	Mn	55	675264.237	0.533	2.206	49.97497	0.44	ug/L
	Co	59	515861.976	0.567	1.687	49.20636	1.49	ug/L
	Ni	60	111061.490	1.642	0.363	49.29585	2.60	ug/L
	Cu	65	104718.875	0.849	0.340	49.72223	1.33	ug/L
	Zn	66	63222.167	0.773	0.233	50.76227	1.95	ug/L
>	Ge	72	267342.204	1.541	267342.204			ug/L
	As	75	65938.524	0.835	0.247	49.34069	1.52	ug/L
	Se	82	6609.493	1.312	0.024	48.63817	2.77	ug/L
	Y	89	439580.560	1.427	-75619.724			ug/L
	Mo	98	179563.803	1.060	0.553	48.74747	0.69	ug/L
	Ag	107	233604.501	0.934	0.719	49.03104	0.59	ug/L
	Cd	111	56447.154	0.850	0.173	50.49580	1.23	ug/L
	Cd	114	124292.449	0.978	0.382	50.79599	1.14	mg/L
>	In	115	324751.031	0.372	324751.031			ug/L
	Sb	121	171154.292	1.719	0.527	49.88479	1.36	ug/L
	Ba	135	44979.974	1.735	0.117	52.09763	1.87	ug/L
>	Tb	159	384226.197	0.157	384226.197			ug/L
	Ho	165	348169.682	0.267	0.012			ug/L
	Tl	205	261760.381	1.393	0.681	53.29649	1.51	ug/L
	Pb	208	352659.807	1.403	0.917	53.02292	1.36	ug/L
	Bi	209	147818.485	1.410	0.035			ug/L
	Th	232	348064.060	0.336	0.905	54.12701	0.48	ug/L
	U	238	344028.039	0.982	0.895	54.76657	0.96	ug/L
	Na	23	21965046.574	0.697	71.664	5.56512	1.32	mg/L
	Mg	24	15209230.618	1.999	49.735	5.41812	2.90	mg/L
	K	39	44255111.555	0.328	140.552	5.22265	1.15	mg/L
	Ca	44	1441986.875	0.529	4.623	5.50904	0.54	mg/L
	Fe	54	3338865.139	1.860	10.785	5.19094	2.08	mg/L
>	Sc-1	45	305751.245	0.969	305751.245			mg/L
	Kr	83	102.001	12.858	-20.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		98.713			
	Be	9	101.556				
	Al	27	116.442				
>	Sc	45		92.800			
	V	51	98.745				
	Cr	52	99.409				
	Mn	55	99.950				
	Co	59	98.413				
	Ni	60	98.592				
	Cu	65	99.444				
	Zn	66	101.525				
>	Ge	72		90.611			
	As	75	98.681				
	Se	82	97.276				
	Y	89					
	Mo	98	97.495				
	Ag	107	98.062				
	Cd	111	100.992				
	Cd	114					
>	In	115		90.180			
	Sb	121	99.770				
	Ba	135	104.195				
>	Tb	159		80.182			
	Ho	165					
	Tl	205	106.593				
	Pb	208	106.046				
	Bi	209					
	Th	232	108.254				
	U	238	109.533				
	Na	23	111.302				
	Mg	24	108.362				
	K	39	104.453				
	Ca	44	110.181				
	Fe	54	103.819				
>	Sc-1	45					
	Kr	83					

Method 200.8 - Summary Report

Sample ID: SEQ-CCB

Sample Date/Time: Tuesday, November 30, 2010 11:23:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\esat2010.mth
Dataset File: C:\Elandata\Dataset\Default\SEQ-CCB.7572
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Li	6	41277.213	1.633	41277.213			ug/L
	Be	9	13.333	67.639	0.000	0.01793	151.56	ug/L
	Al	27	19927.065	2.649	0.007	0.44663	26.45	ug/L
>	Sc	45	308555.964	0.707	308555.964			ug/L
	V	51	3222.168	2.633	-0.002	-0.04859	10.90	ug/L
	Cr	52	11513.261	0.430	-0.003	-0.09661	7.86	ug/L
	Mn	55	1172.480	7.724	0.001	0.01709	42.38	ug/L
	Co	59	230.478	14.463	0.000	0.00683	46.74	ug/L
	Ni	60	123.808	3.322	0.000	0.01231	17.80	ug/L
	Cu	65	1183.349	3.469	0.002	0.26351	5.88	ug/L
	Zn	66	1405.492	3.804	0.002	0.43151	7.56	ug/L
>	Ge	72	266171.520	1.275	266171.520			ug/L
	As	75	73.792	104.138	0.000	0.06996	81.33	ug/L
	Se	82	103.334	18.396	-0.000	-0.16507	80.82	ug/L
	Y	89	446872.180	1.449	-68328.104			ug/L
	Mo	98	446.025	18.531	0.001	0.11167	19.97	ug/L
	Ag	107	686.038	13.516	0.002	0.11864	16.05	ug/L
	Cd	111	238.668	3.891	0.000	0.03115	32.45	ug/L
	Cd	114	109.178	52.134	0.000	0.00823	286.15	mg/L
>	In	115	322817.047	1.178	322817.047			ug/L
	Sb	121	338.009	8.595	0.001	0.08092	10.49	ug/L
	Ba	135	71.334	11.331	0.000	0.01225	79.07	ug/L
>	Tb	159	395353.441	0.778	395353.441			ug/L
	Ho	165	355118.216	1.182	0.004			ug/L
	Tl	205	428.682	15.659	0.001	0.04227	30.66	ug/L
	Pb	208	574.011	17.781	0.000	0.02827	54.82	ug/L
	Bi	209	149462.842	2.682	0.028			ug/L
	Th	232	178.003	18.701	-0.000	-0.00313	153.96	ug/L
	U	238	98.001	19.468	0.000	0.00810	36.26	ug/L
	Na	23	72224.292	1.324	0.053	0.00414	8.40	mg/L
	Mg	24	11754.058	37.174	0.020	0.00217	71.84	mg/L
	K	39	1383430.931	0.945	0.284	0.01054	20.38	mg/L
	Ca	44	24462.449	0.888	-0.014	-0.01665	2.06	mg/L
	Fe	54	40808.694	3.125	-0.004	-0.00185	125.03	mg/L
>	Sc-1	45	308555.964	0.707	308555.964			mg/L
	Kr	83	118.001	7.767	-4.000			mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Li	6		99.971			
	Be	9					
	Al	27					
>	Sc	45		93.651			
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		90.214			
	As	75					
	Se	82					
	Y	89					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		89.643			
	Sb	121					
	Ba	135					
>	Tb	159		82.504			
	Ho	165					
	Tl	205					
	Pb	208					
	Bi	209					
	Th	232					
	U	238					
	Na	23					
	Mg	24					
	K	39					
	Ca	44					
	Fe	54					
>	Sc-1	45					
	Kr	83					