Sequence No.: 39
Sample ID: LS71 B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 56
Date Collected: 10/9/2007 6:47:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 B SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1849010.1	103.6	%	0.67				0.65%
ScR 361.383	162216.9	110.6	%	0.19				0.17%
Ag 328.068†	-849.8	0.00085	mg/L	0.000688	0.00169	mg/L	0.001376	81.34%
Al 308.215†	177741.2	105.9	mg/L	0.09	211.9	mg/L	0.17	0.08%
As 188.979†	629.2	0.4980	mg/L	0.00308	0.9960	mg/L	0.00615	0.62%
B 249.677†	60.1	0.04488	mg/L	0.001330	0.08976	mg/L	0.002661	2.96%
Ba 233.527†	2004.3	0.3425	mg/L	0.00114	0.6849	mg/L	0.00228	0.33%
Be 313.042†	625.6	0.00130	mg/L	0.000070	0.00260	mg/L	0.000140	5.37%
Ca 317.933†	699457.1	67.55	mg/L	0.050	135.1	mg/L	0.10	0.07%
Cd 228.802†	239.7	0.00228	mg/L	0.000193	0.00456	mg/L	0.000387	8.49%
Co 228.616†	5545.6	0.08906	mg/L	0.000601	0.1781	mg/L	0.00120	0.67%
Cr 267.716†	1245.9	0.2983	mg/L	0.00179	0.5967	mg/L	0.00357	0.60%
Cu 324.752†	181718.5	0.8404	mg/L	0.00376	1.681	mg/L	0.0075	0.45%
Fe 273.955†	225321.1	181.6	mg/L	0.09	363.1	mg/L	0.18	0.05%
K 766.490†	13248.5	9.706	mg/L	0.0920	19.41	mg/L	0.184	0.95%
Mg 279.077†	74220.5	59.09	mg/L	0.080	118.2	mg/L	0.16	0.14%
Mn 257.610†	61192.0	2.087	mg/L	0.0020	4.175	mg/L	0.0041	0.10%
Mo 202.031†	422.3	0.06964	mg/L	0.000855	0.1393	mg/L	0.00171	1.23%
Na 589.592†	8399.4	4.066	mg/L	0.0104	8.133	mg/L	0.0207	0.25%
Na 330.237†	76.4	3.609	mg/L	0.2672	7.219	mg/L	0.5343	7.40%
Ni 231.604†	323.5	0.2606	mg/L	0.00162	0.5211	mg/L	0.00324	0.62%
Pb 220.353†	3062.7	0.4520	mg/L	0.00188	0.9041	mg/L	0.00377	0.42%
Sb 206.836†	121.6	0.06969	mg/L	0.001461	0.1394	mg/L	0.00292	2.10%
Se 196.026†	-88.4	-0.02497	mg/L	0.004520	-0.04994	mg/L	0.009040	18.10%
Si 288.158†	8462.6	4.855	mg/L	0.0596	9.710	mg/L	0.1191	1.23%
Sn 189.927†	106.4	0.02632	mg/L	0.001070	0.05264	mg/L	0.002140	4.07%
Sr 421.552†	110052.8	0.3548	mg/L	0.00130	0.7097	mg/L	0.00259	0.37%
Ti 334.903†	127948.5	6.098	mg/L	0.0107	12.20	mg/L	0.021	0.18%
Tl 190.801†	-18.9	-0.02040	mg/L	0.004674	-0.04079	mg/L	0.009347	22.91%
V 292.402†	43420.6	0.3457	mg/L	0.00162	0.6915	mg/L	0.00324	0.47%
Zn 206.200†	1731.8	1.624	mg/L	0.0077	3.247	mg/L	0.0153	0.47%

Sequence No.: 40
Sample ID: LS71 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 57
Date Collected: 10/9/2007 6:53:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 C SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1861146.8	104.3	%	0.30				0.29%
ScR 361.383	163034.5	111.2	%	0.58				0.52%
Ag 328.068†	-964.3	0.00057	mg/L	0.000685	0.00114	mg/L	0.001371	120.00%
Al 308.215†	187821.0	111.9	mg/L	0.23	223.9	mg/L	0.45	0.20%
As 188.979†	926.3	0.7484	mg/L	0.00788	1.497	mg/L	0.0158	1.05%
B 249.677†	87.1	0.05948	mg/L	0.000684	0.1190	mg/L	0.00137	1.15%
Ba 233.527†	2064.7	0.3525	mg/L	0.00213	0.7050	mg/L	0.00426	0.60%
Be 313.042†	692.4	0.00150	mg/L	0.000037	0.00300	mg/L	0.000074	2.46%
Ca 317.933†	619303.6	59.81	mg/L	0.246	119.6	mg/L	0.49	0.41%
Cd 228.802†	276.9	0.00152	mg/L	0.000145	0.00305	mg/L	0.000290	9.51%
Co 228.616†	5440.7	0.08689	mg/L	0.000343	0.1738	mg/L	0.00069	0.40%
Cr 267.716†	1478.8	0.3537	mg/L	0.00355	0.7073	mg/L	0.00710	1.00%
Cu 324.752†	156931.4	0.7291	mg/L	0.00168	1.458	mg/L	0.0034	0.23%
Fe 273.955†	241311.9	194.4	mg/L	0.32	388.9	mg/L	0.63	0.16%
K 766.490†	14231.9	10.43	mg/L	0.098	20.85	mg/L	0.196	0.94%
Mg 279.077†	79209.2	63.06	mg/L	0.145	126.1	mg/L	0.29	0.23%
Mn 257.610†	73604.9	2.511	mg/L	0.0205	5.022	mg/L	0.0411	0.82%
Mo 202.031†	613.6	0.1003	mg/L	0.00145	0.2007	mg/L	0.00290	1.45%
Na 589.592†	8795.4	4.258	mg/L	0.0279	8.516	mg/L	0.0558	0.65%
Na 330.237†	78.6	3.732	mg/L	0.1019	7.463	mg/L	0.2038	2.73%
Ni 231.604†	330.6	0.2663	mg/L	0.00542	0.5326	mg/L	0.01084	2.04%
Pb 220.353†	3149.2	0.4654	mg/L	0.00188	0.9307	mg/L	0.00375	0.40%
Sb 206.836†	178.3	0.09555	mg/L	0.003081	0.1911	mg/L	0.00616	3.22%
Se 196.026†	-98.7	-0.03186	mg/L	0.003709	-0.06372	mg/L	0.007418	11.64%
Si 288.158†	13400.9	7.688	mg/L	0.2048	15.38	mg/L	0.410	2.66%
Sn 189.927†	83.5	0.01866	mg/L	0.001183	0.03732	mg/L	0.002366	6.34%
Sr 421.552†	100034.7	0.3222	mg/L	0.00090	0.6444	mg/L	0.00180	0.28%
Ti 334.903†	127943.8	6.098	mg/L	0.0295	12.20	mg/L	0.059	0.48%
Tl 190.801†	-16.7	-0.01991	mg/L	0.001951	-0.03982	mg/L	0.003903	9.80%
V 292.402†	45532.5	0.3630	mg/L	0.00160	0.7259	mg/L	0.00321	0.44%
Zn 206.200†	1794.0	1.682	mg/L	0.0149	3.363	mg/L	0.0298	0.88%

Sequence No.: 41
Sample ID: LS71 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 58
Date Collected: 10/9/2007 7:00:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 D SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1900978.6	106.5	%	0.25				0.23%
ScR 361.383	163485.9	111.5	%	0.55				0.49%
Ag 328.068†	-934.1	-0.00009	mg/L	0.000257	-0.00017	mg/L	0.000514	294.63%
Al 308.215†	181664.5	108.3	mg/L	0.68	216.5	mg/L	1.35	0.62%
As 188.979†	248.8	0.1753	mg/L	0.00370	0.3505	mg/L	0.00741	2.11%
B 249.677†	51.6	0.03956	mg/L	0.000523	0.07912	mg/L	0.001047	1.32%
Ba 233.527†	1776.5	0.3032	mg/L	0.00136	0.6063	mg/L	0.00271	0.45%
Be 313.042†	590.1	0.00114	mg/L	0.000060	0.00228	mg/L	0.000120	5.26%
Ca 317.933†	470035.3	45.39	mg/L	0.327	90.78	mg/L	0.654	0.72%
Cd 228.802†	135.6	0.00192	mg/L	0.000036	0.00384	mg/L	0.000072	1.89%
Co 228.616†	4627.9	0.06933	mg/L	0.000350	0.1387	mg/L	0.00070	0.50%
Cr 267.716†	1099.9	0.2635	mg/L	0.00093	0.5270	mg/L	0.00186	0.35%
Cu 324.752†	97868.2	0.4584	mg/L	0.00047	0.9168	mg/L	0.00094	0.10%
Fe 273.955†	209877.7	169.1	mg/L	0.87	338.2	mg/L	1.74	0.52%
K 766.490†	14019.2	10.27	mg/L	0.122	20.54	mg/L	0.243	1.18%
Mg 279.077†	80966.4	64.47	mg/L	0.441	128.9	mg/L	0.88	0.68%
Mn 257.610†	59586.7	2.032	mg/L	0.0055	4.064	mg/L	0.0111	0.27%
Mo 202.031†	108.5	0.02104	mg/L	0.000946	0.04207	mg/L	0.001892	4.50%
Na 589.592†	16468.1	7.973	mg/L	0.0559	15.95	mg/L	0.112	0.70%
Na 330.237†	156.5	7.669	mg/L	0.3311	15.34	mg/L	0.662	4.32%
Ni 231.604†	430.7	0.3468	mg/L	0.00057	0.6937	mg/L	0.00114	0.16%
Pb 220.353†	1605.6	0.2478	mg/L	0.00134	0.4955	mg/L	0.00268	0.54%
Sb 206.836†	52.0	0.04045	mg/L	0.002078	0.08091	mg/L	0.004156	5.14%
Se 196.026†	-80.4	-0.02208	mg/L	0.010545	-0.04417	mg/L	0.021089	47.75%
Si 288.158†	10258.6	5.885	mg/L	0.1635	11.77	mg/L	0.327	2.78%
Sn 189.927†	57.1	0.01262	mg/L	0.000406	0.02523	mg/L	0.000811	3.22%
Sr 421.552†	72643.8	0.2336	mg/L	0.00121	0.4673	mg/L	0.00241	0.52%
Ti 334.903†	155823.1	7.427	mg/L	0.0636	14.85	mg/L	0.127	0.86%
Tl 190.801†	-15.9	-0.02034	mg/L	0.003056	-0.04068	mg/L	0.006111	15.02%
V 292.402†	44050.6	0.3503	mg/L	0.00088	0.7007	mg/L	0.00176	0.25%
Zn 206.200†	1207.7	1.132	mg/L	0.0032	2.265	mg/L	0.0063	0.28%

Sequence No.: 42
Sample ID: LS71 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 59
Date Collected: 10/9/2007 7:06:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 E SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1863025.4	104.4	%	0.86				0.83%
ScR 361.383	159252.0	108.6	%	0.53				0.49%
Ag 328.068†	-980.8	-0.00072	mg/L	0.000843	-0.00144	mg/L	0.001686	116.84%
Al 308.215†	174568.8	104.0	mg/L	0.29	208.1	mg/L	0.57	0.27%
As 188.979†	114.8	0.06560	mg/L	0.001715	0.1312	mg/L	0.00343	2.61%
B 249.677†	33.3	0.02956	mg/L	0.000800	0.05912	mg/L	0.001600	2.71%
Ba 233.527†	1862.1	0.3185	mg/L	0.00215	0.6369	mg/L	0.00430	0.68%
Be 313.042†	585.6	0.00119	mg/L	0.000011	0.00237	mg/L	0.000022	0.94%
Ca 317.933†	433824.5	41.89	mg/L	0.078	83.79	mg/L	0.155	0.19%
Cd 228.802†	87.3	0.00149	mg/L	0.000055	0.00298	mg/L	0.000110	3.70%
Co 228.616†	4417.0	0.06848	mg/L	0.000734	0.1370	mg/L	0.00147	1.07%
Cr 267.716†	1111.5	0.2660	mg/L	0.00203	0.5320	mg/L	0.00405	0.76%
Cu 324.752†	43685.9	0.2119	mg/L	0.00062	0.4238	mg/L	0.00125	0.29%
Fe 273.955†	197040.1	158.8	mg/L	0.41	317.5	mg/L	0.83	0.26%
K 766.490†	10735.6	7.865	mg/L	0.0145	15.73	mg/L	0.029	0.18%
Mg 279.077†	78256.8	62.32	mg/L	0.151	124.6	mg/L	0.30	0.24%
Mn 257.610†	66957.3	2.284	mg/L	0.0077	4.567	mg/L	0.0153	0.34%
Mo 202.031†	27.7	0.00820	mg/L	0.000714	0.01640	mg/L	0.001429	8.71%
Na 589.592†	6519.4	3.156	mg/L	0.0342	6.312	mg/L	0.0684	1.08%
Na 330.237†	50.8	3.048	mg/L	0.2015	6.097	mg/L	0.4029	6.61%
Ni 231.604†	352.8	0.2841	mg/L	0.00409	0.5682	mg/L	0.00818	1.44%
Pb 220.353†	802.5	0.1338	mg/L	0.00277	0.2677	mg/L	0.00555	2.07%
Sb 206.836†	-8.8	0.00794	mg/L	0.002430	0.01589	mg/L	0.004861	30.60%
Se 196.026†	-83.7	-0.02771	mg/L	0.002316	-0.05542	mg/L	0.004632	8.36%
Si 288.158†	12087.6	6.935	mg/L	0.1291	13.87	mg/L	0.258	1.86%
Sn 189.927†	-5.6	-0.00608	mg/L	0.000388	-0.01217	mg/L	0.000777	6.38%
Sr 421.552†	69203.3	0.2226	mg/L	0.00026	0.4452	mg/L	0.00053	0.12%
Ti 334.903†	124767.4	5.946	mg/L	0.0048	11.89	mg/L	0.010	0.08%
Tl 190.801†	-18.8	-0.02020	mg/L	0.001726	-0.04039	mg/L	0.003452	8.55%
V 292.402†	42060.7	0.3358	mg/L	0.00167	0.6715	mg/L	0.00334	0.50%
Zn 206.200†	715.5	0.6712	mg/L	0.00500	1.342	mg/L	0.0100	0.74%

Sequence No.: 43
Sample ID: LS71 ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 60
Date Collected: 10/9/2007 7:12:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 ADUP SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1833698.5	102.8	%	0.84				0.81%
ScR 361.383	158637.0	108.2	%	0.15				0.14%
Ag 328.068†	-923.1	0.00036	mg/L	0.000239	0.00072	mg/L	0.000478	66.72%
Al 308.215†	173144.9	103.2	mg/L	0.64	206.4	mg/L	1.29	0.62%
As 188.979†	550.2	0.4328	mg/L	0.00649	0.8657	mg/L	0.01298	1.50%
B 249.677†	62.4	0.04593	mg/L	0.003070	0.09186	mg/L	0.006139	6.68%
Ba 233.527†	1769.6	0.3016	mg/L	0.00076	0.6032	mg/L	0.00152	0.25%
Be 313.042†	660.0	0.00143	mg/L	0.000009	0.00287	mg/L	0.000018	0.62%
Ca 317.933†	476761.4	46.04	mg/L	0.527	92.08	mg/L	1.055	1.15%
Cd 228.802†	193.4	0.00161	mg/L	0.000111	0.00321	mg/L	0.000223	6.93%
Co 228.616†	5117.7	0.08078	mg/L	0.001011	0.1616	mg/L	0.00202	1.25%
Cr 267.716†	1184.9	0.2839	mg/L	0.00048	0.5677	mg/L	0.00097	0.17%
Cu 324.752†	158427.7	0.7346	mg/L	0.00254	1.469	mg/L	0.0051	0.35%
Fe 273.955†	224019.6	180.5	mg/L	0.85	361.0	mg/L	1.69	0.47%
K 766.490†	12758.9	9.347	mg/L	0.1005	18.69	mg/L	0.201	1.07%
Mg 279.077†	74347.0	59.19	mg/L	0.515	118.4	mg/L	1.03	0.87%
Mn 257.610†	59961.5	2.045	mg/L	0.0067	4.091	mg/L	0.0134	0.33%
Mo 202.031†	403.1	0.06718	mg/L	0.001744	0.1344	mg/L	0.00349	2.60%
Na 589.592†	7382.9	3.574	mg/L	0.0172	7.149	mg/L	0.0343	0.48%
Na 330.237†	60.6	3.008	mg/L	0.1309	6.017	mg/L	0.2618	4.35%
Ni 231.604†	313.7	0.2527	mg/L	0.00434	0.5053	mg/L	0.00868	1.72%
Pb 220.353†	2481.8	0.3692	mg/L	0.00381	0.7383	mg/L	0.00763	1.03%
Sb 206.836†	123.9	0.07133	mg/L	0.001877	0.1427	mg/L	0.00375	2.63%
Se 196.026†	-85.3	-0.02510	mg/L	0.006982	-0.05019	mg/L	0.013964	27.82%
Si 288.158†	12771.4	7.327	mg/L	0.0408	14.65	mg/L	0.082	0.56%
Sn 189.927†	115.6	0.02870	mg/L	0.000641	0.05740	mg/L	0.001283	2.23%
Sr 421.552†	76995.5	0.2477	mg/L	0.00278	0.4953	mg/L	0.00556	1.12%
Ti 334.903†	130700.2	6.229	mg/L	0.0578	12.46	mg/L	0.116	0.93%
Tl 190.801†	-15.9	-0.01900	mg/L	0.001692	-0.03801	mg/L	0.003385	8.91%
V 292.402†	42880.0	0.3411	mg/L	0.00182	0.6822	mg/L	0.00365	0.53%
Zn 206.200†	1806.0	1.693	mg/L	0.0049	3.385	mg/L	0.0097	0.29%

Sequence No.: 44
Sample ID: LS71 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 61
Date Collected: 10/9/2007 7:19:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 A SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1830262.0	102.6	%	0.20				0.19%
ScR 361.383	159003.7	108.4	%	1.33				1.22%
Ag 328.068†	-969.1	-0.00003	mg/L	0.000031	-0.00006	mg/L	0.000062	98.18%
Al 308.215†	172512.9	102.8	mg/L	0.46	205.6	mg/L	0.91	0.44%
As 188.979†	594.7	0.4701	mg/L	0.00629	0.9402	mg/L	0.01258	1.34%
B 249.677†	62.0	0.04549	mg/L	0.002116	0.09098	mg/L	0.004231	4.65%
Ba 233.527†	1780.9	0.3037	mg/L	0.00362	0.6074	mg/L	0.00724	1.19%
Be 313.042†	735.8	0.00171	mg/L	0.000064	0.00341	mg/L	0.000128	3.75%
Ca 317.933†	558049.5	53.89	mg/L	0.094	107.8	mg/L	0.19	0.17%
Cd 228.802†	188.9	0.00125	mg/L	0.000125	0.00251	mg/L	0.000250	9.98%
Co 228.616†	5020.0	0.07907	mg/L	0.000167	0.1581	mg/L	0.00033	0.21%
Cr 267.716†	1163.8	0.2788	mg/L	0.00198	0.5576	mg/L	0.00397	0.71%
Cu 324.752†	174155.1	0.8057	mg/L	0.00037	1.611	mg/L	0.0007	0.05%
Fe 273.955†	220029.4	177.3	mg/L	0.28	354.6	mg/L	0.56	0.16%
K 766.490†	12393.6	9.080	mg/L	0.0769	18.16	mg/L	0.154	0.85%
Mg 279.077†	74862.4	59.60	mg/L	0.091	119.2	mg/L	0.18	0.15%
Mn 257.610†	61247.4	2.089	mg/L	0.0065	4.178	mg/L	0.0131	0.31%
Mo 202.031†	389.0	0.06468	mg/L	0.000577	0.1294	mg/L	0.00115	0.89%
Na 589.592†	7634.0	3.696	mg/L	0.0030	7.392	mg/L	0.0059	0.08%
Na 330.237†	70.0	3.419	mg/L	0.2558	6.838	mg/L	0.5117	7.48%
Ni 231.604†	316.0	0.2546	mg/L	0.00457	0.5091	mg/L	0.00914	1.80%
Pb 220.353†	2546.7	0.3784	mg/L	0.00101	0.7567	mg/L	0.00203	0.27%
Sb 206.836†	144.0	0.08073	mg/L	0.002433	0.1615	mg/L	0.00487	3.01%
Se 196.026†	-90.2	-0.02920	mg/L	0.008510	-0.05840	mg/L	0.017020	29.14%
Si 288.158†	12162.2	6.978	mg/L	0.1421	13.96	mg/L	0.284	2.04%
Sn 189.927†	101.1	0.02478	mg/L	0.001074	0.04957	mg/L	0.002148	4.33%
Sr 421.552†	98954.3	0.3189	mg/L	0.00292	0.6378	mg/L	0.00585	0.92%
Ti 334.903†	129919.6	6.192	mg/L	0.0177	12.38	mg/L	0.035	0.29%
Tl 190.801†	-13.1	-0.01766	mg/L	0.001835	-0.03532	mg/L	0.003669	10.39%
V 292.402†	42847.7	0.3411	mg/L	0.00031	0.6821	mg/L	0.00062	0.09%
Zn 206.200†	1704.6	1.598	mg/L	0.0190	3.196	mg/L	0.0380	1.19%

Sequence No.: 45
Sample ID: LS71 ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 62
Date Collected: 10/9/2007 7:25:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 ASPK SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1842946.0	103.3	%	0.18				0.17%
ScR 361.383	159949.1	109.1	%	0.67				0.61%
Ag 328.068†	80140.9	0.5008	mg/L	0.00217	1.002	mg/L	0.0043	0.43%
Al 308.215†	189898.7	113.2	mg/L	0.38	226.3	mg/L	0.77	0.34%
As 188.979†	3155.4	2.631	mg/L	0.0080	5.262	mg/L	0.0161	0.31%
B 249.677†	67.2	0.04846	mg/L	0.002056	0.09691	mg/L	0.004112	4.24%
Ba 233.527†	12345.8	2.144	mg/L	0.0147	4.288	mg/L	0.0295	0.69%
Be 313.042†	137625.9	0.4907	mg/L	0.00192	0.9814	mg/L	0.00385	0.39%
Ca 317.933†	684604.3	66.11	mg/L	0.260	132.2	mg/L	0.52	0.39%
Cd 228.802†	20285.3	0.4668	mg/L	0.00070	0.9337	mg/L	0.00140	0.15%
Co 228.616†	29371.9	0.5364	mg/L	0.00080	1.073	mg/L	0.0016	0.15%
Cr 267.716†	3221.4	0.7665	mg/L	0.00819	1.533	mg/L	0.0164	1.07%
Cu 324.752†	352564.7	1.618	mg/L	0.0012	3.235	mg/L	0.0024	0.08%
Fe 273.955†	246573.0	198.7	mg/L	0.53	397.4	mg/L	1.06	0.27%
K 766.490†	26330.4	19.29	mg/L	0.061	38.58	mg/L	0.122	0.32%
Mg 279.077†	87850.8	69.95	mg/L	0.186	139.9	mg/L	0.37	0.27%
Mn 257.610†	76625.0	2.615	mg/L	0.0087	5.230	mg/L	0.0175	0.33%
Mo 202.031†	554.1	0.09077	mg/L	0.000781	0.1815	mg/L	0.00156	0.86%
Na 589.592†	28753.0	13.92	mg/L	0.086	27.84	mg/L	0.171	0.62%
Na 330.237†	319.3	13.50	mg/L	0.276	26.99	mg/L	0.552	2.04%
Ni 231.604†	882.2	0.7103	mg/L	0.00588	1.421	mg/L	0.0118	0.83%
Pb 220.353†	16631.5	2.373	mg/L	0.0047	4.746	mg/L	0.0094	0.20%
Sb 206.836†	201.1	0.1022	mg/L	0.00412	0.2045	mg/L	0.00825	4.03%
Se 196.026†	2039.3	1.864	mg/L	0.0141	3.729	mg/L	0.0282	0.76%
Si 288.158†	8080.3	4.636	mg/L	0.0465	9.273	mg/L	0.0929	1.00%
Sn 189.927†	135.5	0.03441	mg/L	0.001511	0.06883	mg/L	0.003023	4.39%
Sr 421.552†	246341.5	0.7965	mg/L	0.00479	1.593	mg/L	0.0096	0.60%
Ti 334.903†	124994.2	5.957	mg/L	0.0189	11.91	mg/L	0.038	0.32%
Tl 190.801†	3748.4	1.765	mg/L	0.0030	3.529	mg/L	0.0060	0.17%
V 292.402†	101057.6	0.8292	mg/L	0.00394	1.658	mg/L	0.0079	0.47%
Zn 206.200†	3051.4	2.859	mg/L	0.0216	5.719	mg/L	0.0431	0.75%

16 3%

Sequence No.: 46
Sample ID: LS71 MBSPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 63
Date Collected: 10/9/2007 7:32:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 MBSPK SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 MBSPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1820604.8	102.0	%	0.34				0.33%
ScR 361.383	155096.4	105.7	%	0.38				0.36%
Ag 328.068†	80119.4	0.4941	mg/L	0.00123	0.9882	mg/L	0.00246	0.25%
Al 308.215†	3246.5	1.928	mg/L	0.0114	3.857	mg/L	0.0228	0.59%
As 188.979†	2325.6	1.964	mg/L	0.0157	3.928	mg/L	0.0313	0.80%
B 249.677†	5.3	0.00132	mg/L	0.000971	0.00264	mg/L	0.001942	73.63%
Ba 233.527†	10575.3	1.843	mg/L	0.0112	3.686	mg/L	0.0224	0.61%
Be 313.042†	137756.4	0.4921	mg/L	0.00335	0.9842	mg/L	0.00669	0.68%
Ca 317.933†	101243.0	9.777	mg/L	0.0645	19.55	mg/L	0.129	0.66%
Cd 228.802†	20341.9	0.4727	mg/L	0.00307	0.9455	mg/L	0.00615	0.65%
Co 228.616†	24928.4	0.4680	mg/L	0.00214	0.9360	mg/L	0.00427	0.46%
Cr 267.716†	2021.3	0.4787	mg/L	0.00242	0.9575	mg/L	0.00483	0.50%
Cu 324.752†	108810.9	0.4941	mg/L	0.00200	0.9882	mg/L	0.00401	0.41%
Fe 273.955†	2422.8	1.951	mg/L	0.0068	3.901	mg/L	0.0136	0.35%
K 766.490†	13321.6	9.760	mg/L	0.0485	19.52	mg/L	0.097	0.50%
Mg 279.077†	12597.1	10.04	mg/L	0.041	20.08	mg/L	0.081	0.40%
Mn 257.610†	14387.7	0.4919	mg/L	0.00040	0.9837	mg/L	0.00081	0.08%
Mo 202.031†	29.7	0.00442	mg/L	0.000675	0.00885	mg/L	0.001351	15.26%
Na 589.592†	20073.8	9.718	mg/L	0.0467	19.44	mg/L	0.093	0.48%
Na 330.237†	229.8	9.656	mg/L	0.2668	19.31	mg/L	0.534	2.76%
Ni 231.604†	602.4	0.4848	mg/L	0.00399	0.9697	mg/L	0.00798	0.82%
Pb 220.353†	13665.8	1.934	mg/L	0.0075	3.869	mg/L	0.0149	0.39%
Sb 206.836†	8.6	-0.00093	mg/L	0.001537	-0.00187	mg/L	0.003075	164.84%
Se 196.026†	2151.2	1.908	mg/L	0.0148	3.816	mg/L	0.0296	0.78%
Si 288.158†	1.9	0.00140	mg/L	0.001352	0.00281	mg/L	0.002704	96.31%
Sn 189.927†	-11.1	-0.00266	mg/L	0.000936	-0.00532	mg/L	0.001872	35.18%
Sr 421.552†	145273.2	0.4709	mg/L	0.00303	0.9418	mg/L	0.00607	0.64%
Ti 334.903†	68.3	0.00312	mg/L	0.000761	0.00623	mg/L	0.001522	24.43%
Tl 190.801†	3956.1	1.875	mg/L	0.0094	3.749	mg/L	0.0188	0.50%
V 292.402†	57427.0	0.4827	mg/L	0.00180	0.9655	mg/L	0.00359	0.37%
Zn 206.200†	525.5	0.4924	mg/L	0.00248	0.9848	mg/L	0.00496	0.50%

Sequence No.: 47
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 7:38:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1762084.5	98.74	%	0.348				0.35%
ScR 361.383	151994.7	103.6	%	0.54				0.52%
Ag 328.068†	162115.1	0.9997	mg/L	0.00184	0.9997	mg/L	0.00184	0.18%
Al 308.215†	3258.6	1.904	mg/L	0.0055	1.904	mg/L	0.0055	0.29%
As 188.979†	2328.4	1.965	mg/L	0.0120	1.965	mg/L	0.0120	0.61%
B 249.677†	1884.1	0.9410	mg/L	0.00469	0.9410	mg/L	0.00469	0.50%
Ba 233.527†	5411.2	0.9430	mg/L	0.00100	0.9430	mg/L	0.00100	0.11%
Be 313.042†	272046.0	0.9717	mg/L	0.00278	0.9717	mg/L	0.00278	0.29%
Ca 317.933†	20794.6	2.008	mg/L	0.0054	2.008	mg/L	0.0054	0.27%
Cd 228.802†	41083.0	0.9678	mg/L	0.00398	0.9678	mg/L	0.00398	0.41%
Co 228.616†	50529.4	0.9481	mg/L	0.00286	0.9481	mg/L	0.00286	0.30%
Cr 267.716†	3980.1	0.9426	mg/L	0.00060	0.9426	mg/L	0.00060	0.06%
Cu 324.752†	229426.8	1.041	mg/L	0.0027	1.041	mg/L	0.0027	0.26%
Fe 273.955†	2418.4	1.945	mg/L	0.0009	1.945	mg/L	0.0009	0.04%
K 766.490†	27006.7	19.79	mg/L	0.219	19.79	mg/L	0.219	1.11%
Mg 279.077†	2476.2	1.977	mg/L	0.0069	1.977	mg/L	0.0069	0.35%
Mn 257.610†	28401.2	0.9702	mg/L	0.00323	0.9702	mg/L	0.00323	0.33%
Mo 202.031†	5898.5	0.9294	mg/L	0.00463	0.9294	mg/L	0.00463	0.50%
Na 589.592†	99897.7	48.36	mg/L	0.216	48.36	mg/L	0.216	0.45%
Na 330.237†	1132.0	48.70	mg/L	0.646	48.70	mg/L	0.646	1.33%
Ni 231.604†	1191.0	0.9608	mg/L	0.00226	0.9608	mg/L	0.00226	0.24%
Pb 220.353†	14001.7	1.982	mg/L	0.0035	1.982	mg/L	0.0035	0.17%
Sb 206.836†	4120.6	1.936	mg/L	0.0104	1.936	mg/L	0.0104	0.53%
Se 196.026†	2116.7	1.876	mg/L	0.0164	1.876	mg/L	0.0164	0.87%
Si 288.158†	3523.7	2.024	mg/L	0.0040	2.024	mg/L	0.0040	0.20%
Sn 189.927†	2922.0	0.8733	mg/L	0.00521	0.8733	mg/L	0.00521	0.60%
Sr 421.552†	292334.4	0.9477	mg/L	0.00676	0.9477	mg/L	0.00676	0.71%
Ti 334.903†	20243.4	0.9639	mg/L	0.00227	0.9639	mg/L	0.00227	0.24%
Tl 190.801†	4039.0	1.907	mg/L	0.0111	1.907	mg/L	0.0111	0.58%
V 292.402†	115978.4	0.9792	mg/L	0.00155	0.9792	mg/L	0.00155	0.16%
Zn 206.200†	1065.1	0.9970	mg/L	0.00394	0.9970	mg/L	0.00394	0.40%

Sequence No.: 48
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 7:45:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1770668.8	99.22	%	0.362				0.37%
ScR 361.383	149612.5	102.0	%	0.56				0.55%
Ag 328.068†	123.8	0.00076	mg/L	0.000575	0.00076	mg/L	0.000575	75.36%
Al 308.215†	19.2	0.01142	mg/L	0.011664	0.01142	mg/L	0.011664	102.12%
As 188.979†	4.6	0.00387	mg/L	0.003701	0.00387	mg/L	0.003701	95.58%
B 249.677†	13.2	0.00661	mg/L	0.002608	0.00661	mg/L	0.002608	39.44%
Ba 233.527†	3.8	0.00067	mg/L	0.000855	0.00067	mg/L	0.000855	127.52%
Be 313.042†	22.1	0.00008	mg/L	0.000024	0.00008	mg/L	0.000024	30.20%
Ca 317.933†	34.1	0.00329	mg/L	0.001083	0.00329	mg/L	0.001083	32.90%
Cd 228.802†	11.0	0.00024	mg/L	0.000093	0.00024	mg/L	0.000093	38.97%
Co 228.616†	3.9	0.00007	mg/L	0.000098	0.00007	mg/L	0.000098	134.34%
Cr 267.716†	2.7	0.00064	mg/L	0.000528	0.00064	mg/L	0.000528	82.14%
Cu 324.752†	136.7	0.00062	mg/L	0.000293	0.00062	mg/L	0.000293	47.30%
Fe 273.955†	-2.1	-0.00167	mg/L	0.002113	-0.00167	mg/L	0.002113	126.17%
K 766.490†	41.1	0.03008	mg/L	0.033239	0.03008	mg/L	0.033239	110.52%
Mg 279.077†	2.6	0.00205	mg/L	0.017144	0.00205	mg/L	0.017144	837.01%
Mn 257.610†	2.4	0.00008	mg/L	0.000208	0.00008	mg/L	0.000208	247.70%
Mo 202.031†	8.1	0.00128	mg/L	0.000599	0.00128	mg/L	0.000599	46.82%
Na 589.592†	74.5	0.03605	mg/L	0.004855	0.03605	mg/L	0.004855	13.47%
Na 330.237†	-3.6	-0.1582	mg/L	0.45650	-0.1582	mg/L	0.45650	288.65%
Ni 231.604†	-1.5	-0.00120	mg/L	0.002848	-0.00120	mg/L	0.002848	236.79%
Pb 220.353†	20.9	0.00296	mg/L	0.000623	0.00296	mg/L	0.000623	21.05%
Sb 206.836†	-1.4	-0.00065	mg/L	0.002233	-0.00065	mg/L	0.002233	344.46%
Se 196.026†	5.7	0.00504	mg/L	0.003975	0.00504	mg/L	0.003975	78.93%
Si 288.158†	-12.0	-0.00687	mg/L	0.013245	-0.00687	mg/L	0.013245	192.81%
Sn 189.927†	5.8	0.00174	mg/L	0.000491	0.00174	mg/L	0.000491	28.19%
Sr 421.552†	-98.8	-0.00032	mg/L	0.000064	-0.00032	mg/L	0.000064	20.05%
Ti 334.903†	14.1	0.00067	mg/L	0.001166	0.00067	mg/L	0.001166	173.90%
Tl 190.801†	16.7	0.00792	mg/L	0.002334	0.00792	mg/L	0.002334	29.49%
V 292.402†	0.4	0.00001	mg/L	0.000086	0.00001	mg/L	0.000086	585.69%
Zn 206.200†	1.0	0.00089	mg/L	0.000727	0.00089	mg/L	0.000727	81.67%

Sequence No.: 49
Sample ID: LR67 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 64
Date Collected: 10/9/2007 7:51:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 MB SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
ScA 357.253	1780323.1	99.76	%	0.767				0.77%
ScR 361.383	147406.8	100.5	%	0.59				0.59%
Ag 328.068†	53.4	0.00033	mg/L	0.000255	0.00066	mg/L	0.000510	77.44%
Al 308.215†	14.6	0.00871	mg/L	0.011981	0.01742	mg/L	0.023963	137.59%
As 188.979†	5.9	0.00498	mg/L	0.005386	0.00995	mg/L	0.010772	108.22%
B 249.677†	1.5	0.00077	mg/L	0.002002	0.00154	mg/L	0.004003	260.57%
Ba 233.527†	-0.3	-0.00005	mg/L	0.000603	-0.00011	mg/L	0.001205	>999.9%
Be 313.042†	49.4	0.00018	mg/L	0.000139	0.00035	mg/L	0.000277	78.33%
Ca 317.933†	143.1	0.01382	mg/L	0.001125	0.02764	mg/L	0.002249	8.14%
Cd 228.802†	9.0	0.00018	mg/L	0.000038	0.00036	mg/L	0.000075	20.63%
Co 228.616†	-12.3	-0.00023	mg/L	0.000200	-0.00046	mg/L	0.000400	86.53%
Cr 267.716†	0.8	0.00018	mg/L	0.001393	0.00036	mg/L	0.002786	783.57%
Cu 324.752†	119.9	0.00054	mg/L	0.000079	0.00109	mg/L	0.000159	14.61%
Fe 273.955†	6.5	0.00521	mg/L	0.002550	0.01042	mg/L	0.005101	48.94%
K 766.490†	8.2	0.00601	mg/L	0.045091	0.01202	mg/L	0.090182	750.58%
Mg 279.077†	20.3	0.01621	mg/L	0.009500	0.03242	mg/L	0.019000	58.60%
Mn 257.610†	4.1	0.00014	mg/L	0.000252	0.00028	mg/L	0.000505	179.39%
Mo 202.031†	5.2	0.00081	mg/L	0.000849	0.00163	mg/L	0.001699	104.23%
Na 589.592†	80.5	0.03897	mg/L	0.010853	0.07793	mg/L	0.021706	27.85%
Na 330.237†	-4.7	-0.2052	mg/L	0.64182	-0.4103	mg/L	1.28364	312.84%
Ni 231.604†	-3.5	-0.00280	mg/L	0.002220	-0.00561	mg/L	0.004440	79.21%
Pb 220.353†	5.9	0.00083	mg/L	0.001009	0.00166	mg/L	0.002019	121.32%
Sb 206.836†	-5.3	-0.00247	mg/L	0.002717	-0.00495	mg/L	0.005435	109.86%
Se 196.026†	-2.4	-0.00210	mg/L	0.001404	-0.00419	mg/L	0.002809	66.99%
Si 288.158†	32.4	0.01857	mg/L	0.008427	0.03715	mg/L	0.016855	45.37%
Sn 189.927†	5.1	0.00152	mg/L	0.000564	0.00305	mg/L	0.001128	37.03%
Sr 421.552†	-91.9	-0.00030	mg/L	0.000212	-0.00060	mg/L	0.000423	71.02%
Ti 334.903†	3.7	0.00018	mg/L	0.001599	0.00036	mg/L	0.003198	899.44%
Tl 190.801†	5.1	0.00244	mg/L	0.001790	0.00489	mg/L	0.003580	73.26%
V 292.402†	-8.5	-0.00007	mg/L	0.000391	-0.00013	mg/L	0.000781	595.50%
Zn 206.200†	2.9	0.00276	mg/L	0.001608	0.00552	mg/L	0.003215	58.29%

Sequence No.: 50
Sample ID: LR67 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 65
Date Collected: 10/9/2007 7:58:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 C SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1811127.2	101.5	%	0.48				0.48%
ScR 361.383	157708.5	107.5	%	1.18				1.10%
Ag 328.068†	-1138.4	-0.00030	mg/L	0.000357	-0.00061	mg/L	0.000714	117.12%
Al 308.215†	225067.2	134.1	mg/L	0.43	268.3	mg/L	0.87	0.32%
As 188.979†	100.6	0.03919	mg/L	0.005200	0.07839	mg/L	0.010399	13.27%
B 249.677†	27.2	0.02990	mg/L	0.001286	0.05981	mg/L	0.002572	4.30%
Ba 233.527†	1318.4	0.2221	mg/L	0.00260	0.4443	mg/L	0.00521	1.17%
Be 313.042†	913.4	0.00197	mg/L	0.000080	0.00394	mg/L	0.000161	4.08%
Ca 317.933†	778795.2	75.21	mg/L	0.343	150.4	mg/L	0.69	0.46%
Cd 228.802†	37.3	0.00033	mg/L	0.000135	0.00066	mg/L	0.000270	40.93%
Co 228.616†	5060.5	0.07193	mg/L	0.001006	0.1439	mg/L	0.00201	1.40%
Cr 267.716†	1029.4	0.2473	mg/L	0.00206	0.4945	mg/L	0.00413	0.83%
Cu 324.752†	46209.5	0.2263	mg/L	0.00027	0.4527	mg/L	0.00054	0.12%
Fe 273.955†	248209.2	200.0	mg/L	0.68	400.0	mg/L	1.37	0.34%
K 766.490†	8432.9	6.178	mg/L	0.0776	12.36	mg/L	0.155	1.26%
Mg 279.077†	96844.7	77.12	mg/L	1.120	154.2	mg/L	2.24	1.45%
Mn 257.610†	82588.0	2.817	mg/L	0.0401	5.633	mg/L	0.0802	1.42%
Mo 202.031†	25.1	0.00822	mg/L	0.000884	0.01643	mg/L	0.001768	10.76%
Na 589.592†	4770.9	2.310	mg/L	0.0180	4.619	mg/L	0.0360	0.78%
Na 330.237†	19.8	2.560	mg/L	0.3413	5.119	mg/L	0.6826	13.33%
Ni 231.604†	214.6	0.1728	mg/L	0.00301	0.3457	mg/L	0.00601	1.74%
Pb 220.353†	-23.1	0.02314	mg/L	0.000286	0.04628	mg/L	0.000572	1.23%
Sb 206.836†	-32.9	0.00711	mg/L	0.001135	0.01423	mg/L	0.002270	15.96%
Se 196.026†	-103.3	-0.02992	mg/L	0.000235	-0.05984	mg/L	0.000470	0.79%
Si 288.158†	2596.5	1.490	mg/L	0.0200	2.980	mg/L	0.0401	1.35%
Sn 189.927†	-24.4	-0.01167	mg/L	0.001316	-0.02334	mg/L	0.002632	11.28%
Sr 421.552†	77112.1	0.2478	mg/L	0.00097	0.4955	mg/L	0.00193	0.39%
Ti 334.903†	208777.8	9.950	mg/L	0.0346	19.90	mg/L	0.069	0.35%
Tl 190.801†	-8.1	-0.02099	mg/L	0.003789	-0.04198	mg/L	0.007579	18.05%
V 292.402†	58811.7	0.4689	mg/L	0.00197	0.9378	mg/L	0.00394	0.42%
Zn 206.200†	356.6	0.3360	mg/L	0.00145	0.6720	mg/L	0.00289	0.43%

Sequence No.: 51
Sample ID: LR67 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 66
Date Collected: 10/9/2007 8:04:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 E SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1798749.6	100.8	%	0.70				0.70%
ScR 361.383	157755.7	107.6	%	0.67				0.62%
Ag 328.068†	-971.8	-0.00033	mg/L	0.000177	-0.00066	mg/L	0.000354	53.90%
Al 308.215†	202904.4	120.9	mg/L	0.33	241.9	mg/L	0.67	0.28%
As 188.979†	94.8	0.03549	mg/L	0.004336	0.07098	mg/L	0.008673	12.22%
B 249.677†	33.1	0.03026	mg/L	0.001824	0.06052	mg/L	0.003648	6.03%
Ba 233.527†	2346.1	0.4024	mg/L	0.00415	0.8049	mg/L	0.00831	1.03%
Be 313.042†	850.1	0.00181	mg/L	0.000069	0.00363	mg/L	0.000139	3.83%
Ca 317.933†	925098.4	89.34	mg/L	0.253	178.7	mg/L	0.51	0.28%
Cd 228.802†	36.2	0.00033	mg/L	0.000050	0.00066	mg/L	0.000099	15.07%
Co 228.616†	4601.9	0.06346	mg/L	0.001217	0.1269	mg/L	0.00243	1.92%
Cr 267.716†	890.4	0.2138	mg/L	0.00257	0.4276	mg/L	0.00514	1.20%
Cu 324.752†	34006.9	0.1680	mg/L	0.00020	0.3359	mg/L	0.00041	0.12%
Fe 273.955†	209181.2	168.6	mg/L	0.35	337.1	mg/L	0.70	0.21%
K 766.490†	8770.8	6.426	mg/L	0.0432	12.85	mg/L	0.086	0.67%
Mg 279.077†	83792.3	66.73	mg/L	0.762	133.5	mg/L	1.52	1.14%
Mn 257.610†	71487.2	2.438	mg/L	0.0246	4.876	mg/L	0.0492	1.01%
Mo 202.031†	36.7	0.00894	mg/L	0.000071	0.01789	mg/L	0.000142	0.80%
Na 589.592†	5322.3	2.577	mg/L	0.0378	5.153	mg/L	0.0756	1.47%
Na 330.237†	20.2	2.512	mg/L	0.5542	5.024	mg/L	1.1084	22.06%
Ni 231.604†	174.2	0.1402	mg/L	0.00376	0.2804	mg/L	0.00752	2.68%
Pb 220.353†	-26.0	0.02101	mg/L	0.000557	0.04203	mg/L	0.001113	2.65%
Sb 206.836†	-32.9	0.00783	mg/L	0.003055	0.01566	mg/L	0.006109	39.01%
Se 196.026†	-99.0	-0.03180	mg/L	0.008313	-0.06359	mg/L	0.016627	26.15%
Si 288.158†	3174.5	1.821	mg/L	0.0006	3.643	mg/L	0.0012	0.03%
Sn 189.927†	-26.0	-0.01026	mg/L	0.001655	-0.02052	mg/L	0.003309	16.13%
Sr 421.552†	88014.4	0.2835	mg/L	0.00035	0.5669	mg/L	0.00069	0.12%
Ti 334.903†	212199.8	10.11	mg/L	0.035	20.23	mg/L	0.071	0.35%
Tl 190.801†	-10.4	-0.02155	mg/L	0.004248	-0.04309	mg/L	0.008495	19.71%
V 292.402†	54919.8	0.4385	mg/L	0.00075	0.8769	mg/L	0.00150	0.17%
Zn 206.200†	314.2	0.2967	mg/L	0.00432	0.5933	mg/L	0.00863	1.45%

Sequence No.: 52
Sample ID: LR71 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 67
Date Collected: 10/9/2007 8:11:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 E SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1816663.3	101.8	%	0.52				0.52%
ScR 361.383	157406.2	107.3	%	0.42				0.39%
Ag 328.068†	-569.9	-0.00043	mg/L	0.000603	-0.00085	mg/L	0.001205	141.57%
Al 308.215†	100399.5	59.84	mg/L	0.291	119.7	mg/L	0.58	0.49%
As 188.979†	78.8	0.04305	mg/L	0.005684	0.08611	mg/L	0.011368	13.20%
B 249.677†	134.7	0.07491	mg/L	0.002489	0.1498	mg/L	0.00498	3.32%
Ba 233.527†	917.2	0.1563	mg/L	0.00078	0.3127	mg/L	0.00155	0.50%
Be 313.042†	371.0	0.00076	mg/L	0.000127	0.00152	mg/L	0.000255	16.76%
Ca 317.933†	850683.9	82.15	mg/L	0.296	164.3	mg/L	0.59	0.36%
Cd 228.802†	161.9	0.00344	mg/L	0.000323	0.00689	mg/L	0.000645	9.37%
Co 228.616†	1855.4	0.02452	mg/L	0.002882	0.04905	mg/L	0.005765	11.75%
Cr 267.716†	570.0	0.1366	mg/L	0.00095	0.2732	mg/L	0.00191	0.70%
Cu 324.752†	67986.4	0.3162	mg/L	0.00484	0.6324	mg/L	0.00968	1.53%
Fe 273.955†	114216.0	92.03	mg/L	0.371	184.1	mg/L	0.74	0.40%
K 766.490†	10984.2	8.047	mg/L	0.0569	16.09	mg/L	0.114	0.71%
Mg 279.077†	49465.2	39.39	mg/L	0.240	78.79	mg/L	0.480	0.61%
Mn 257.610†	33568.4	1.145	mg/L	0.0045	2.290	mg/L	0.0091	0.40%
Mo 202.031†	110.1	0.01769	mg/L	0.001111	0.03538	mg/L	0.002222	6.28%
Na 589.592†	78134.3	37.83	mg/L	0.123	75.65	mg/L	0.247	0.33%
Na 330.237†	862.5	37.85	mg/L	0.813	75.69	mg/L	1.627	2.15%
Ni 231.604†	164.1	0.1322	mg/L	0.00258	0.2643	mg/L	0.00515	1.95%
Pb 220.353†	411.3	0.06961	mg/L	0.006363	0.1392	mg/L	0.01273	9.14%
Sb 206.836†	-14.5	0.00298	mg/L	0.000482	0.00596	mg/L	0.000965	16.19%
Se 196.026†	-54.7	-0.01537	mg/L	0.008051	-0.03075	mg/L	0.016101	52.37%
Si 288.158†	5138.9	2.948	mg/L	0.0392	5.897	mg/L	0.0784	1.33%
Sn 189.927†	85.3	0.02472	mg/L	0.001837	0.04943	mg/L	0.003674	7.43%
Sr 421.552†	164840.6	0.5334	mg/L	0.00212	1.067	mg/L	0.0042	0.40%
Ti 334.903†	92709.8	4.419	mg/L	0.0173	8.837	mg/L	0.0347	0.39%
Tl 190.801†	-4.8	-0.00971	mg/L	0.002485	-0.01941	mg/L	0.004970	25.60%
V 292.402†	25611.3	0.2040	mg/L	0.00358	0.4080	mg/L	0.00717	1.76%
Zn 206.200†	293.5	0.2772	mg/L	0.00109	0.5543	mg/L	0.00218	0.39%

Sequence No.: 53
Sample ID: LR71 F SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 68
Date Collected: 10/9/2007 8:18:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 F SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1839308.3	103.1	%	0.61				0.59%
ScR 361.383	157026.1	107.1	%	1.14				1.07%
Ag 328.068†	-470.6	-0.00013	mg/L	0.000208	-0.00026	mg/L	0.000416	161.44%
Al 308.215†	90219.7	53.77	mg/L	0.117	107.5	mg/L	0.23	0.22%
As 188.979†	59.1	0.02992	mg/L	0.001873	0.05984	mg/L	0.003745	6.26%
B 249.677†	258.8	0.1362	mg/L	0.00454	0.2725	mg/L	0.00908	3.33%
Ba 233.527†	1360.6	0.2340	mg/L	0.00204	0.4680	mg/L	0.00409	0.87%
Be 313.042†	338.3	0.00068	mg/L	0.000066	0.00136	mg/L	0.000132	9.70%
Ca 317.933†	345565.1	33.37	mg/L	0.175	66.74	mg/L	0.350	0.52%
Cd 228.802†	162.0	0.00355	mg/L	0.000074	0.00711	mg/L	0.000148	2.08%
Co 228.616†	1786.6	0.02254	mg/L	0.000383	0.04508	mg/L	0.000766	1.70%
Cr 267.716†	709.5	0.1695	mg/L	0.00119	0.3389	mg/L	0.00239	0.70%
Cu 324.752†	53582.1	0.2498	mg/L	0.00180	0.4997	mg/L	0.00359	0.72%
Fe 273.955†	102525.1	82.61	mg/L	0.307	165.2	mg/L	0.61	0.37%
K 766.490†	10706.4	7.844	mg/L	0.0251	15.69	mg/L	0.050	0.32%
Mg 279.077†	42609.0	33.93	mg/L	0.155	67.86	mg/L	0.311	0.46%
Mn 257.610†	32985.8	1.125	mg/L	0.0039	2.250	mg/L	0.0077	0.34%
Mo 202.031†	244.0	0.04004	mg/L	0.000951	0.08009	mg/L	0.001903	2.38%
Na 589.592†	88514.1	42.85	mg/L	0.325	85.70	mg/L	0.650	0.76%
Na 330.237†	981.1	43.24	mg/L	0.758	86.49	mg/L	1.516	1.75%
Ni 231.604†	153.9	0.1239	mg/L	0.00206	0.2478	mg/L	0.00411	1.66%
Pb 220.353†	1136.3	0.1712	mg/L	0.00167	0.3423	mg/L	0.00334	0.97%
Sb 206.836†	-21.0	0.00020	mg/L	0.001648	0.00040	mg/L	0.003296	829.16%
Se 196.026†	-51.2	-0.01998	mg/L	0.002127	-0.03996	mg/L	0.004253	10.64%
Si 288.158†	3370.5	1.934	mg/L	0.0229	3.868	mg/L	0.0458	1.18%
Sn 189.927†	19.1	0.00429	mg/L	0.000087	0.00858	mg/L	0.000174	2.03%
Sr 421.552†	69364.4	0.2240	mg/L	0.00025	0.4479	mg/L	0.00050	0.11%
Ti 334.903†	101538.2	4.839	mg/L	0.0194	9.679	mg/L	0.0389	0.40%
Tl 190.801†	-1.2	-0.00832	mg/L	0.003477	-0.01663	mg/L	0.006953	41.81%
V 292.402†	23323.8	0.1856	mg/L	0.00124	0.3713	mg/L	0.00249	0.67%
Zn 206.200†	342.3	0.3215	mg/L	0.00042	0.6430	mg/L	0.00084	0.13%

Sequence No.: 54
Sample ID: LR71 H SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 69
Date Collected: 10/9/2007 8:25:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 H SWC

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

RERUN

Mean Data: LR71 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1821661.3	102.1	%	0.82				0.80%
ScR 361.383	156326.7	106.6	%	0.68				0.63%
Ag 328.068†	-2042.1	0.00110	mg/L	0.000260	0.00220	mg/L	0.000519	23.64%
Al 308.215†	145639.3	86.80	mg/L	0.165	173.6	mg/L	0.33	0.19%
As 188.979†	174.5	0.1180	mg/L	0.00331	0.2360	mg/L	0.00663	2.81%
B 249.677†	348.4	0.2082	mg/L	0.00339	0.4164	mg/L	0.00678	1.63%
Ba 233.527†	1717.6	0.2840	mg/L	0.00300	0.5681	mg/L	0.00600	1.06%
Be 313.042†	450.1	0.00066	mg/L	0.000046	0.00133	mg/L	0.000092	6.94%
Ca 317.933†	454785.8	43.92	mg/L	0.131	87.84	mg/L	0.262	0.30%
Cd 228.802†	108.4	0.00166	mg/L	0.000124	0.00332	mg/L	0.000247	7.44%
Co 228.616†	3946.1	0.05452	mg/L	0.000718	0.1090	mg/L	0.00144	1.32%
Cr 267.716†	1013.7	0.2478	mg/L	0.00376	0.4955	mg/L	0.00751	1.52%
Cu 324.752†	290719.2	~~1.357~~	~~mg/L~~	0.0038	2.714	mg/L	0.0075	0.28%
Fe 273.955†	508769.2	410.0	mg/L	0.90	819.9	mg/L	1.80	0.22%
K 766.490†	16165.7	~~11.84~~	~~mg/L~~	0.061	23.69	mg/L	0.123	0.52%
Mg 279.077†	65694.4	52.21	mg/L	0.156	104.4	mg/L	0.31	0.30%
Mn 257.610†	90348.7	3.085	mg/L	0.0044	6.170	mg/L	0.0089	0.14%
Mo 202.031†	263.1	0.04436	mg/L	0.000736	0.08872	mg/L	0.001471	1.66%
Na 589.592†	84212.0	40.77	mg/L	0.135	81.54	mg/L	0.270	0.33%
Na 330.237†	948.4	41.95	mg/L	0.552	83.89	mg/L	1.105	1.32%
Ni 231.604†	345.5	0.2782	mg/L	0.00476	0.5565	mg/L	0.00953	1.71%
Pb 220.353†	16609.8	2.346	mg/L	0.0201	4.692	mg/L	0.0401	0.86%
Sb 206.836†	65.4	0.04544	mg/L	0.003874	0.09089	mg/L	0.007747	8.52%
Se 196.026†	-131.9	-0.03058	mg/L	0.009896	-0.06117	mg/L	0.019792	32.36%
Si 288.158†	2499.4	1.434	mg/L	0.0062	2.868	mg/L	0.0125	0.43%
Sn 189.927†	312.9	0.07204	mg/L	0.000432	0.1441	mg/L	0.00086	0.60%
Sr 421.552†	127683.2	0.4099	mg/L	0.00053	0.8197	mg/L	0.00106	0.13%
Ti 334.903†	136158.3	6.489	mg/L	0.0162	12.98	mg/L	0.032	0.25%
Tl 190.801†	-42.4	-0.03297	mg/L	0.003924	-0.06594	mg/L	0.007848	11.90%
V 292.402†	43614.3	0.3287	mg/L	0.00075	0.6574	mg/L	0.00151	0.23%
Zn 206.200†	1747.1	1.638	mg/L	0.0172	3.275	mg/L	0.0344	1.05%

Sequence No.: 55
Sample ID: LR71 I SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 70
Date Collected: 10/9/2007 8:31:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 I SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 I SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1811214.5	101.5	%	0.15				0.15%
ScR 361.383	153879.9	104.9	%	0.56				0.54%
Ag 328.068†	-280.9	0.00017	mg/L	0.000245	0.00035	mg/L	0.000491	140.73%
Al 308.215†	65984.8	39.33	mg/L	0.203	78.65	mg/L	0.405	0.52%
As 188.979†	68.3	0.04377	mg/L	0.006364	0.08754	mg/L	0.012727	14.54%
B 249.677†	109.4	0.05939	mg/L	0.003446	0.1188	mg/L	0.00689	5.80%
Ba 233.527†	602.5	0.1028	mg/L	0.00050	0.2057	mg/L	0.00100	0.49%
Be 313.042†	236.3	0.00049	mg/L	0.000055	0.00098	mg/L	0.000111	11.28%
Ca 317.933†	275045.0	26.56	mg/L	0.054	53.12	mg/L	0.109	0.21%
Cd 228.802†	153.8	0.00330	mg/L	0.000104	0.00660	mg/L	0.000209	3.16%
Co 228.616†	1310.5	0.01763	mg/L	0.000099	0.03525	mg/L	0.000197	0.56%
Cr 267.716†	362.5	0.08685	mg/L	0.000486	0.1737	mg/L	0.00097	0.56%
Cu 324.752†	187014.4	0.8533	mg/L	0.00472	1.707	mg/L	0.0094	0.55%
Fe 273.955†	70492.1	56.80	mg/L	0.199	113.6	mg/L	0.40	0.35%
K 766.490†	7896.9	5.785	mg/L	0.0858	11.57	mg/L	0.172	1.48%
Mg 279.077†	29634.9	23.60	mg/L	0.091	47.20	mg/L	0.182	0.39%
Mn 257.610†	22128.2	0.7547	mg/L	0.00202	1.509	mg/L	0.0040	0.27%
Mo 202.031†	147.1	0.02428	mg/L	0.000154	0.04856	mg/L	0.000307	0.63%
Na 589.592†	69021.5	33.42	mg/L	0.163	66.83	mg/L	0.327	0.49%
Na 330.237†	770.9	33.84	mg/L	0.902	67.68	mg/L	1.803	2.66%
Ni 231.604†	80.4	0.06476	mg/L	0.001050	0.1295	mg/L	0.00210	1.62%
Pb 220.353†	1635.6	0.2386	mg/L	0.00103	0.4771	mg/L	0.00207	0.43%
Sb 206.836†	-12.1	0.00108	mg/L	0.001587	0.00215	mg/L	0.003174	147.59%
Se 196.026†	-25.0	-0.00392	mg/L	0.004105	-0.00783	mg/L	0.008211	104.83%
Si 288.158†	3327.5	1.909	mg/L	0.0094	3.818	mg/L	0.0188	0.49%
Sn 189.927†	71.3	0.02034	mg/L	0.000150	0.04067	mg/L	0.000300	0.74%
Sr 421.552†	44609.6	0.1440	mg/L	0.00072	0.2880	mg/L	0.00143	0.50%
Ti 334.903†	63792.1	3.040	mg/L	0.0128	6.081	mg/L	0.0256	0.42%
Tl 190.801†	4.7	-0.00275	mg/L	0.001511	-0.00550	mg/L	0.003021	54.92%
V 292.402†	15718.1	0.1250	mg/L	0.00065	0.2500	mg/L	0.00131	0.52%
Zn 206.200†	219.8	0.2065	mg/L	0.00292	0.4131	mg/L	0.00584	1.41%

Sequence No.: 56
Sample ID: LR71 J SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 71
Date Collected: 10/9/2007 8:37:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 J SWC

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: LR71 J SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1801485.8	101.0	%	1.71				1.70%
ScR 361.383	155079.7	105.7	%	0.73				0.69%
Ag 328.068†	-867.7	0.00007	mg/L	0.000561	0.00014	mg/L	0.001123	801.18%
Al 308.215†	159482.8	95.05	mg/L	0.492	190.1	mg/L	0.98	0.52%
As 188.979†	112.0	0.04552	mg/L	0.004562	0.09104	mg/L	0.009124	10.02%
B 249.677†	119.5	0.07300	mg/L	0.002238	0.1460	mg/L	0.00448	3.07%
Ba 233.527†	1606.7	0.2739	mg/L	0.00411	0.5478	mg/L	0.00821	1.50%
Be 313.042†	504.1	0.00084	mg/L	0.000027	0.00168	mg/L	0.000054	3.23%
Ca 317.933†	2940562.3	284.0	mg/L	0.96	567.9	mg/L	1.93	0.34%
Cd 228.802†	116.9	0.00218	mg/L	0.000107	0.00436	mg/L	0.000214	4.91%
Co 228.616†	3106.3	0.03933	mg/L	0.001332	0.07866	mg/L	0.002664	3.39%
Cr 267.716†	1046.1	0.2505	mg/L	0.00284	0.5011	mg/L	0.00568	1.13%
Cu 324.752†	70847.4	0.3349	mg/L	0.00721	0.6698	mg/L	0.01443	2.15%
Fe 273.955†	200527.0	161.6	mg/L	0.85	323.2	mg/L	1.69	0.52%
K 766.490†	11143.2	8.164	mg/L	0.0426	16.33	mg/L	0.085	0.52%
Mg 279.077†	75967.1	60.49	mg/L	0.285	121.0	mg/L	0.57	0.47%
Mn 257.610†	69309.3	2.365	mg/L	0.0105	4.729	mg/L	0.0209	0.44%
Mo 202.031†	205.7	0.02798	mg/L	0.000752	0.05597	mg/L	0.001503	2.69%
Na 589.592†	71844.0	34.78	mg/L	0.270	69.56	mg/L	0.539	0.78%
Na 330.237†	825.1	36.04	mg/L	0.414	72.09	mg/L	0.829	1.15%
Ni 231.604†	212.1	0.1708	mg/L	0.00455	0.3416	mg/L	0.00909	2.66%
Pb 220.353†	6904.0	0.9941	mg/L	0.02014	1.988	mg/L	0.0403	2.03%
Sb 206.836†	-7.8	0.01401	mg/L	0.001649	0.02803	mg/L	0.003298	11.77%
Se 196.026†	-103.7	-0.02012	mg/L	0.005898	-0.04025	mg/L	0.011797	29.31%
Si 288.158†	3306.8	1.897	mg/L	0.0250	3.795	mg/L	0.0500	1.32%
Sn 189.927†	-19.2	-0.00426	mg/L	0.002588	-0.00852	mg/L	0.005175	60.76%
Sr 421.552†	698205.8	2.262	mg/L	0.0051	4.524	mg/L	0.0102	0.23%
Ti 334.903†	172060.3	8.200	mg/L	0.0323	16.40	mg/L	0.065	0.39%
Tl 190.801†	-3.9	-0.01567	mg/L	0.001876	-0.03134	mg/L	0.003752	11.97%
V 292.402†	42678.9	0.3388	mg/L	0.00779	0.6777	mg/L	0.01559	2.30%
Zn 206.200†	504.0	0.4799	mg/L	0.00807	0.9599	mg/L	0.01614	1.68%

Sequence No.: 57
Sample ID: LR71 K SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 72
Date Collected: 10/9/2007 8:44:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 K SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 K SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1789139.9	100.3	%	0.43				0.43%
ScR 361.383	152763.7	104.2	%	0.79				0.75%
Ag 328.068†	-439.8	0.00094	mg/L	0.000413	0.00189	mg/L	0.000825	43.68%
Al 308.215†	83493.1	49.76	mg/L	0.178	99.52	mg/L	0.356	0.36%
As 188.979†	79.7	0.04921	mg/L	0.004221	0.09841	mg/L	0.008441	8.58%
B 249.677†	317.5	0.1677	mg/L	0.00456	0.3355	mg/L	0.00912	2.72%
Ba 233.527†	1316.1	0.2252	mg/L	0.00067	0.4505	mg/L	0.00134	0.30%
Be 313.042†	285.8	0.00049	mg/L	0.000040	0.00098	mg/L	0.000080	8.10%
Ca 317.933†	297113.4	28.69	mg/L	0.153	57.38	mg/L	0.305	0.53%
Cd 228.802†	192.3	0.00423	mg/L	0.000158	0.00846	mg/L	0.000317	3.74%
Co 228.616†	2542.7	0.03736	mg/L	0.000445	0.07471	mg/L	0.000889	1.19%
Cr 267.716†	1098.7	0.2622	mg/L	0.00211	0.5243	mg/L	0.00423	0.81%
Cu 324.752†	148920.0	0.6851	mg/L	0.00544	1.370	mg/L	0.0109	0.79%
Fe 273.955†	135463.9	109.2	mg/L	0.18	218.3	mg/L	0.36	0.16%
K 766.490†	10311.3	7.554	mg/L	0.0465	15.11	mg/L	0.093	0.62%
Mg 279.077†	45234.9	36.01	mg/L	0.120	72.03	mg/L	0.240	0.33%
Mn 257.610†	36251.9	1.237	mg/L	0.0029	2.474	mg/L	0.0057	0.23%
Mo 202.031†	274.8	0.04484	mg/L	0.001123	0.08968	mg/L	0.002245	2.50%
Na 589.592†	94037.8	45.53	mg/L	0.218	91.05	mg/L	0.436	0.48%
Na 330.237†	1076.2	47.14	mg/L	0.305	94.27	mg/L	0.610	0.65%
Ni 231.604†	443.2	0.3569	mg/L	0.00465	0.7138	mg/L	0.00931	1.30%
Pb 220.353†	2717.4	0.3914	mg/L	0.00294	0.7829	mg/L	0.00588	0.75%
Sb 206.836†	3.6	0.00984	mg/L	0.002602	0.01968	mg/L	0.005204	26.44%
Se 196.026†	-50.7	-0.01638	mg/L	0.001286	-0.03275	mg/L	0.002571	7.85%
Si 288.158†	3495.9	2.006	mg/L	0.0145	4.012	mg/L	0.0290	0.72%
Sn 189.927†	404.4	0.1175	mg/L	0.00119	0.2350	mg/L	0.00238	1.01%
Sr 421.552†	65679.5	0.2118	mg/L	0.00099	0.4235	mg/L	0.00198	0.47%
Ti 334.903†	90592.4	4.318	mg/L	0.0226	8.635	mg/L	0.0452	0.52%
Tl 190.801†	-7.4	-0.01092	mg/L	0.000953	-0.02185	mg/L	0.001907	8.73%
V 292.402†	23758.3	0.1883	mg/L	0.00192	0.3766	mg/L	0.00385	1.02%
Zn 206.200†	731.6	0.6859	mg/L	0.00145	1.372	mg/L	0.0029	0.21%

Sequence No.: 58
Sample ID: LR71 L SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 73
Date Collected: 10/9/2007 8:51:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 L SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 L SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1792433.9	100.4	%	0.59				0.58%
ScR 361.383	153911.1	104.9	%	0.59				0.56%
Ag 328.068†	-755.7	0.00075	mg/L	0.000301	0.00150	mg/L	0.000602	40.13%
Al 308.215†	121032.5	72.13	mg/L	0.214	144.3	mg/L	0.43	0.30%
As 188.979†	85.1	0.04718	mg/L	0.003050	0.09437	mg/L	0.006099	6.46%
B 249.677†	162.3	0.09452	mg/L	0.001131	0.1890	mg/L	0.00226	1.20%
Ba 233.527†	6730.6	1.167	mg/L	0.0087	2.334	mg/L	0.0175	0.75%
Be 313.042†	340.6	0.00056	mg/L	0.000064	0.00112	mg/L	0.000129	11.47%
Ca 317.933†	320887.6	30.99	mg/L	0.170	61.98	mg/L	0.340	0.55%
Cd 228.802†	101.9	0.00202	mg/L	0.000026	0.00404	mg/L	0.000052	1.29%
Co 228.616†	3013.6	0.04232	mg/L	0.000278	0.08464	mg/L	0.000556	0.66%
Cr 267.716†	1147.1	0.2746	mg/L	0.00285	0.5491	mg/L	0.00570	1.04%
Cu 324.752†	98805.6	0.4624	mg/L	0.00493	0.9247	mg/L	0.00986	1.07%
Fe 273.955†	200653.2	161.7	mg/L	0.73	323.4	mg/L	1.45	0.45%
K 766.490†	8495.7	6.224	mg/L	0.0489	12.45	mg/L	0.098	0.79%
Mg 279.077†	54732.7	43.57	mg/L	0.196	87.13	mg/L	0.391	0.45%
Mn 257.610†	51898.6	1.771	mg/L	0.0099	3.542	mg/L	0.0198	0.56%
Mo 202.031†	632.4	0.1022	mg/L	0.00076	0.2045	mg/L	0.00153	0.75%
Na 589.592†	74863.2	36.24	mg/L	0.165	72.49	mg/L	0.330	0.46%
Na 330.237†	835.8	36.93	mg/L	0.533	73.86	mg/L	1.065	1.44%
Ni 231.604†	370.2	0.2979	mg/L	0.00362	0.5959	mg/L	0.00723	1.21%
Pb 220.353†	6444.9	0.9221	mg/L	0.00758	1.844	mg/L	0.0152	0.82%
Sb 206.836†	9.5	0.01563	mg/L	0.003382	0.03126	mg/L	0.006765	21.64%
Se 196.026†	-67.2	-0.01856	mg/L	0.001700	-0.03712	mg/L	0.003400	9.16%
Si 288.158†	2368.8	1.359	mg/L	0.0215	2.719	mg/L	0.0430	1.58%
Sn 189.927†	93.8	0.02209	mg/L	0.000676	0.04419	mg/L	0.001352	3.06%
Sr 421.552†	63012.7	0.2025	mg/L	0.00087	0.4051	mg/L	0.00174	0.43%
Ti 334.903†	120761.6	5.755	mg/L	0.0166	11.51	mg/L	0.033	0.29%
Tl 190.801†	-12.8	-0.01549	mg/L	0.003344	-0.03098	mg/L	0.006688	21.59%
V 292.402†	29043.0	0.2275	mg/L	0.00227	0.4551	mg/L	0.00453	1.00%
Zn 206.200†	1023.8	0.9597	mg/L	0.01054	1.919	mg/L	0.0211	1.10%

Sequence No.: 59
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 8:57:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1738805.4	97.44	%	0.703				0.72%
ScR 361.383	148688.8	101.4	%	0.68				0.67%
Ag 328.068†	161968.1	0.9988	mg/L	0.01909	0.9988	mg/L	0.01909	1.91%
Al 308.215†	3265.3	1.909	mg/L	0.0092	1.909	mg/L	0.0092	0.48%
As 188.979†	2300.3	1.941	mg/L	0.0203	1.941	mg/L	0.0203	1.05%
B 249.677†	1887.1	0.9425	mg/L	0.00534	0.9425	mg/L	0.00534	0.57%
Ba 233.527†	5405.2	0.9420	mg/L	0.00529	0.9420	mg/L	0.00529	0.56%
Be 313.042†	270687.4	0.9669	mg/L	0.00701	0.9669	mg/L	0.00701	0.72%
Ca 317.933†	20706.1	1.999	mg/L	0.0140	1.999	mg/L	0.0140	0.70%
Cd 228.802†	41286.5	0.9729	mg/L	0.01798	0.9729	mg/L	0.01798	1.85%
Co 228.616†	50439.4	0.9464	mg/L	0.01542	0.9464	mg/L	0.01542	1.63%
Cr 267.716†	3979.6	0.9425	mg/L	0.00447	0.9425	mg/L	0.00447	0.47%
Cu 324.752†	229501.1	1.041	mg/L	0.0174	1.041	mg/L	0.0174	1.67%
Fe 273.955†	2412.8	1.941	mg/L	0.0142	1.941	mg/L	0.0142	0.73%
K 766.490†	27254.8	19.97	mg/L	0.178	19.97	mg/L	0.178	0.89%
Mg 279.077†	2471.2	1.973	mg/L	0.0207	1.973	mg/L	0.0207	1.05%
Mn 257.610†	28388.7	0.9698	mg/L	0.00294	0.9698	mg/L	0.00294	0.30%
Mo 202.031†	5853.8	0.9224	mg/L	0.00721	0.9224	mg/L	0.00721	0.78%
Na 589.592†	99913.6	48.37	mg/L	0.301	48.37	mg/L	0.301	0.62%
Na 330.237†	1143.5	49.20	mg/L	0.229	49.20	mg/L	0.229	0.47%
Ni 231.604†	1184.2	0.9553	mg/L	0.00095	0.9553	mg/L	0.00095	0.10%
Pb 220.353†	13906.2	1.969	mg/L	0.0341	1.969	mg/L	0.0341	1.73%
Sb 206.836†	4083.9	1.919	mg/L	0.0161	1.919	mg/L	0.0161	0.84%
Se 196.026†	2100.9	1.862	mg/L	0.0193	1.862	mg/L	0.0193	1.04%
Si 288.158†	3517.6	2.021	mg/L	0.0064	2.021	mg/L	0.0064	0.32%
Sn 189.927†	2897.4	0.8659	mg/L	0.01105	0.8659	mg/L	0.01105	1.28%
Sr 421.552†	293307.0	0.9509	mg/L	0.00961	0.9509	mg/L	0.00961	1.01%
Ti 334.903†	20197.3	0.9617	mg/L	0.00819	0.9617	mg/L	0.00819	0.85%
Tl 190.801†	3983.0	1.880	mg/L	0.0151	1.880	mg/L	0.0151	0.80%
V 292.402†	116155.9	0.9806	mg/L	0.01822	0.9806	mg/L	0.01822	1.86%
Zn 206.200†	1060.6	0.9928	mg/L	0.00591	0.9928	mg/L	0.00591	0.60%

Sequence No.: 60
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 9:04:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
ScA 357.253	1735046.8	97.23	%	0.575				0.59%
ScR 361.383	146032.2	99.57	%	0.349				0.35%
Ag 328.068†	90.2	0.00056	mg/L	0.000320	0.00056	mg/L	0.000320	57.53%
Al 308.215†	-1.9	-0.00119	mg/L	0.006843	-0.00119	mg/L	0.006843	576.48%
As 188.979†	3.9	0.00327	mg/L	0.000966	0.00327	mg/L	0.000966	29.55%
B 249.677†	12.2	0.00613	mg/L	0.002927	0.00613	mg/L	0.002927	47.75%
Ba 233.527†	5.2	0.00091	mg/L	0.000790	0.00091	mg/L	0.000790	86.51%
Be 313.042†	63.3	0.00023	mg/L	0.000070	0.00023	mg/L	0.000070	30.79%
Ca 317.933†	48.7	0.00471	mg/L	0.003134	0.00471	mg/L	0.003134	66.60%
Cd 228.802†	5.4	0.00011	mg/L	0.000160	0.00011	mg/L	0.000160	150.05%
Co 228.616†	5.6	0.00011	mg/L	0.000127	0.00011	mg/L	0.000127	118.74%
Cr 267.716†	-3.3	-0.00079	mg/L	0.000860	-0.00079	mg/L	0.000860	109.46%
Cu 324.752†	125.4	0.00057	mg/L	0.000305	0.00057	mg/L	0.000305	53.62%
Fe 273.955†	-2.9	-0.00232	mg/L	0.001361	-0.00232	mg/L	0.001361	58.70%
K 766.490†	110.8	0.08120	mg/L	0.030734	0.08120	mg/L	0.030734	37.85%
Mg 279.077†	23.3	0.01854	mg/L	0.012719	0.01854	mg/L	0.012719	68.62%
Mn 257.610†	6.2	0.00021	mg/L	0.000126	0.00021	mg/L	0.000126	59.11%
Mo 202.031†	6.6	0.00105	mg/L	0.001407	0.00105	mg/L	0.001407	134.55%
Na 589.592†	82.2	0.03980	mg/L	0.017780	0.03980	mg/L	0.017780	44.67%
Na 330.237†	-6.5	-0.2801	mg/L	0.36663	-0.2801	mg/L	0.36663	130.88%
Ni 231.604†	1.1	0.00087	mg/L	0.002302	0.00087	mg/L	0.002302	263.59%
Pb 220.353†	18.3	0.00259	mg/L	0.001142	0.00259	mg/L	0.001142	44.14%
Sb 206.836†	-5.9	-0.00277	mg/L	0.002019	-0.00277	mg/L	0.002019	72.81%
Se 196.026†	0.1	0.00006	mg/L	0.002116	0.00006	mg/L	0.002116	>999.9%
Si 288.158†	-10.4	-0.00598	mg/L	0.006628	-0.00598	mg/L	0.006628	110.86%
Sn 189.927†	6.7	0.00199	mg/L	0.000244	0.00199	mg/L	0.000244	12.28%
Sr 421.552†	-262.6	-0.00085	mg/L	0.000351	-0.00085	mg/L	0.000351	41.18%
Ti 334.903†	-21.1	-0.00101	mg/L	0.001576	-0.00101	mg/L	0.001576	156.43%
Tl 190.801†	14.0	0.00664	mg/L	0.001980	0.00664	mg/L	0.001980	29.81%
V 292.402†	31.6	0.00027	mg/L	0.000229	0.00027	mg/L	0.000229	86.52%
Zn 206.200†	0.7	0.00065	mg/L	0.003604	0.00065	mg/L	0.003604	555.21%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: 9.11.07 Analysis Date: 10.10.07 Analyst: BW

LR Date: 6.29.07 Page: 1 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		std 0			2419-11
		2			-12
		3			-13
		4			-14
		5			-15
		ICV			2405-7
		ICB			
		ZZZZZZ			
		std 0			
		CCV1			Sn low
		CCB1			
		CR1			Ni 170%
		ICSA			
		ICSAB			~~Sn~~ 10.11
		CCV2			
		CCB2			
		LS34 MB	TWC		
		LS96 MB	LEW	5	
		B			
		Adp			✓
		A			
		Asph			✓ 0.08ml ICP sph /8ml
		LS34 A	TWC		
		↓ Asph	↓	✓	Mn STL

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10/10/07 Analyst: BLW

LR Date: — Page: 2 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		LR71 H	SwC	2	✓
		LS34 MBSph	TwC		
		CCV3			Sn low
		CCB3			end exchange
		~~LS25 MB~~	~~TwC~~		
		LS39 MB1	↓		
		LS41 MB			
		LS29 MB	CWHN		
✓		↓ A	↓		Ca Sc high-rerun 1/5
		LS25 A	TwC		rerun to check C.O.
		LS39 A			↓
		↓ MB1Sph		✓	
		LS25 MBSph		✓	
		LS29 MBSph	CWHN	✓	0.08ml ICSph/8ml
		CCV			Sn low
		CCB			
		tube test			
		LS84 MB	SwC	2	
		LS44 I	TwC		
		LS41 A			
		↓ B			
		↓ C			
		LS84 A	SwC	2	
		↓ MBSph	↓	↓ ✓	10/11/07

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: (ICP) ICP-MS GFA CVA **Analysis Date:** 10.10.07

	Analyst BWD 10.10	Peer HJ 10-11	Comment
Logbook:			
Analyst, Date, Method info	✓	✓	
Sample ID's	✓	✓	
Standard/QC solution ID's recorded	✓	✓	
Prep codes	✓	✓	
Dilution factors	✓	✓	
Crossouts/Corrections/Deletions	✓	✓	
Calibration:			
Blank & Standard intensities	✓	✓	
Standard deviations	✓	✓	
Curve fit	✓	✓	
Calibration Verification:			
ICV/CCV	✓	✓	see log
ICB/CCB	✓	✓	
Samples:			
RSD's & SD's	✓	✓	
Internal Standards	✓	✓	
Carry-over	✓	✓	
Method QC:			
CRI/CRA	✓	✓	see log
ICSA/ICSAB	✓	✓	
Post Spikes/Serial Dilutions	—	—	
Analytic Spikes	—	—	
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	see log
Matrix Duplicates	✓	✓	
Method Blanks	✓	✓	
Data Distribution:			
Requested elements/isotope identified	✓	✓	
Correct samples identified for distribution	✓	✓	
Raw data match distributed data	✓	✓	
Data filename correct	✓	✓	
Necessary Analysts Notes and CAF's	—	—	

✓ 10/11/07 MK

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

10/10/2007 10:37:03 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): 0.000 Slit adjustment: 0

Analysis Begun

Start Time: 10/10/2007 10:37:49 AM
Plasma On Time: 10/10/2007 9:49:15 AM
Logged In Analyst: metals
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET I.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ARIIEC6
Method Last Saved: 9/12/2007 7:12:16 AM
IEC File: IEC33MC.iec
MSF File:
Method Description: 12Axial Elements

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Al 308.215	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
B 249.677	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ba 233.527	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Be 313.042	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cd 228.802	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Cr 267.716	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Fe 273.955	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Mg 279.077	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Na 330.237	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ni 231.604	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Si 288.158	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ti 334.903	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Zn 206.200	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
ScA 357.253	Lin, Calc Int	Peak Area	Axial	n/a	n/a
ScR 361.383	Lin, Calc Int	Peak Area	Radial	n/a	n/a

Sequence No.: 1
Autosampler Location: 1
Sample ID: Calib Blank 1
Date Collected: 10/10/2007 10:37:50 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min