Sequence No.: 10
Sample ID: IDL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:17:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL3

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797209.6	100.7	%	0.47				0.47%
ScR 361.383	152069.7	103.7	%	0.30				0.29%
Ag 328.068†	101.4	0.00062	mg/L	0.000620	0.00062	mg/L	0.000620	99.27%
Al 308.215†	-11.7	-0.00701	mg/L	0.003005	-0.00701	mg/L	0.003005	42.87%
As 188.979†	4.3	0.00363	mg/L	0.002373	0.00363	mg/L	0.002373	65.31%
B 249.677†	9.2	0.00461	mg/L	0.002860	0.00461	mg/L	0.002860	62.01%
Ba 233.527†	-4.6	-0.00081	mg/L	0.000436	-0.00081	mg/L	0.000436	53.99%
Be 313.042†	45.8	0.00016	mg/L	0.000051	0.00016	mg/L	0.000051	31.03%
Ca 317.933†	47.5	0.00459	mg/L	0.000396	0.00459	mg/L	0.000396	8.62%
Cd 228.802†	4.7	0.00009	mg/L	0.000036	0.00009	mg/L	0.000036	40.89%
Co 228.616†	9.5	0.00018	mg/L	0.000120	0.00018	mg/L	0.000120	68.16%
Cr 267.716†	3.5	0.00082	mg/L	0.000636	0.00082	mg/L	0.000636	77.70%
Cu 324.752†	110.2	0.00050	mg/L	0.000228	0.00050	mg/L	0.000228	45.66%
Fe 273.955†	-2.4	-0.00193	mg/L	0.002650	-0.00193	mg/L	0.002650	137.22%
K 766.490†	-42.1	-0.03083	mg/L	0.021881	-0.03083	mg/L	0.021881	70.97%
Mg 279.077†	2.7	0.00214	mg/L	0.016008	0.00214	mg/L	0.016008	748.15%
Mn 257.610†	2.2	0.00008	mg/L	0.000064	0.00008	mg/L	0.000064	84.43%
Mo 202.031†	3.0	0.00047	mg/L	0.000597	0.00047	mg/L	0.000597	127.75%
Na 589.592†	34.1	0.01651	mg/L	0.003911	0.01651	mg/L	0.003911	23.70%
Na 330.237†	-21.3	-0.9245	mg/L	0.23327	-0.9245	mg/L	0.23327	25.23%
Ni 231.604†	3.0	0.00242	mg/L	0.006803	0.00242	mg/L	0.006803	280.87%
Pb 220.353†	2.1	0.00029	mg/L	0.000193	0.00029	mg/L	0.000193	66.56%
Sb 206.836†	-1.3	-0.00060	mg/L	0.001758	-0.00060	mg/L	0.001758	294.66%
Se 196.026†	-0.1	-0.00009	mg/L	0.003700	-0.00009	mg/L	0.003700	>999.9%
Si 288.158†	-7.3	-0.00417	mg/L	0.005255	-0.00417	mg/L	0.005255	126.09%
Sn 189.927†	7.4	0.00220	mg/L	0.001171	0.00220	mg/L	0.001171	53.27%
Sr 421.552†	-121.8	-0.00039	mg/L	0.000094	-0.00039	mg/L	0.000094	23.78%
Ti 334.903†	21.5	0.00102	mg/L	0.000107	0.00102	mg/L	0.000107	10.41%
Tl 190.801†	3.1	0.00146	mg/L	0.001404	0.00146	mg/L	0.001404	96.07%
V 292.402†	1.2	0.00002	mg/L	0.000127	0.00002	mg/L	0.000127	728.74%
Zn 206.200†	-0.3	-0.00032	mg/L	0.000727	-0.00032	mg/L	0.000727	224.08%

Sequence No.: 11
Sample ID: IDL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:24:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL4

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797716.4	100.7	%	0.70				0.69%
ScR 361.383	151173.8	103.1	%	0.21				0.20%
Ag 328.068†	51.4	0.00032	mg/L	0.000243	0.00032	mg/L	0.000243	76.75%
Al 308.215†	16.1	0.00957	mg/L	0.008414	0.00957	mg/L	0.008414	87.92%
As 188.979†	0.3	0.00029	mg/L	0.004979	0.00029	mg/L	0.004979	>999.9%
B 249.677†	9.6	0.00478	mg/L	0.002481	0.00478	mg/L	0.002481	51.91%
Ba 233.527†	3.8	0.00067	mg/L	0.000195	0.00067	mg/L	0.000195	29.26%
Be 313.042†	48.0	0.00017	mg/L	0.000044	0.00017	mg/L	0.000044	25.80%
Ca 317.933†	74.7	0.00721	mg/L	0.000831	0.00721	mg/L	0.000831	11.53%
Cd 228.802†	-4.9	-0.00012	mg/L	0.000086	-0.00012	mg/L	0.000086	72.87%
Co 228.616†	5.9	0.00011	mg/L	0.000119	0.00011	mg/L	0.000119	106.91%
Cr 267.716†	8.5	0.00202	mg/L	0.000545	0.00202	mg/L	0.000545	27.01%
Cu 324.752†	137.0	0.00062	mg/L	0.000235	0.00062	mg/L	0.000235	37.77%
Fe 273.955†	-2.5	-0.00199	mg/L	0.002922	-0.00199	mg/L	0.002922	146.64%
K 766.490†	26.9	0.01970	mg/L	0.061255	0.01970	mg/L	0.061255	310.97%
Mg 279.077†	-0.9	-0.00074	mg/L	0.008897	-0.00074	mg/L	0.008897	>999.9%
Mn 257.610†	3.8	0.00013	mg/L	0.000286	0.00013	mg/L	0.000286	223.23%
Mo 202.031†	4.0	0.00062	mg/L	0.000954	0.00062	mg/L	0.000954	152.87%
Na 589.592†	41.9	0.02031	mg/L	0.007529	0.02031	mg/L	0.007529	37.07%
Na 330.237†	-14.0	-0.6050	mg/L	0.13084	-0.6050	mg/L	0.13084	21.62%
Ni 231.604†	-0.7	-0.00057	mg/L	0.000971	-0.00057	mg/L	0.000971	170.65%
Pb 220.353†	3.8	0.00054	mg/L	0.000582	0.00054	mg/L	0.000582	107.38%
Sb 206.836†	-0.5	-0.00027	mg/L	0.002399	-0.00027	mg/L	0.002399	890.61%
Se 196.026†	-1.7	-0.00146	mg/L	0.007098	-0.00146	mg/L	0.007098	485.29%
Si 288.158†	-5.3	-0.00302	mg/L	0.008629	-0.00302	mg/L	0.008629	285.65%
Sn 189.927†	4.5	0.00136	mg/L	0.000968	0.00136	mg/L	0.000968	71.33%
Sr 421.552†	-116.3	-0.00038	mg/L	0.000139	-0.00038	mg/L	0.000139	36.79%
Ti 334.903†	2.1	0.00010	mg/L	0.000102	0.00010	mg/L	0.000102	103.48%
Tl 190.801†	1.8	0.00085	mg/L	0.001639	0.00085	mg/L	0.001639	193.50%
V 292.402†	9.5	0.00010	mg/L	0.000239	0.00010	mg/L	0.000239	247.62%
Zn 206.200†	-0.3	-0.00027	mg/L	0.001207	-0.00027	mg/L	0.001207	449.35%

Sequence No.: 12
Sample ID: IDL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:31:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL5

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1799378.0	100.8	%	1.07				1.06%
ScR 361.383	152608.1	104.1	%	0.21				0.20%
Ag 328.068†	134.3	0.00083	mg/L	0.000835	0.00083	mg/L	0.000835	100.93%
Al 308.215†	2.2	0.00128	mg/L	0.013200	0.00128	mg/L	0.013200	>999.9%
As 188.979†	2.7	0.00227	mg/L	0.002898	0.00227	mg/L	0.002898	127.72%
B 249.677†	3.4	0.00171	mg/L	0.002072	0.00171	mg/L	0.002072	121.07%
Ba 233.527†	-0.8	-0.00013	mg/L	0.001206	-0.00013	mg/L	0.001206	893.81%
Be 313.042†	3.4	0.00001	mg/L	0.000048	0.00001	mg/L	0.000048	425.09%
Ca 317.933†	14.0	0.00135	mg/L	0.002376	0.00135	mg/L	0.002376	175.96%
Cd 228.802†	5.9	0.00013	mg/L	0.000093	0.00013	mg/L	0.000093	73.30%
Co 228.616†	5.7	0.00011	mg/L	0.000072	0.00011	mg/L	0.000072	67.41%
Cr 267.716†	5.6	0.00132	mg/L	0.001242	0.00132	mg/L	0.001242	94.26%
Cu 324.752†	126.3	0.00057	mg/L	0.000238	0.00057	mg/L	0.000238	41.53%
Fe 273.955†	-3.3	-0.00269	mg/L	0.000573	-0.00269	mg/L	0.000573	21.28%
K 766.490†	7.5	0.00553	mg/L	0.038538	0.00553	mg/L	0.038538	697.52%
Mg 279.077†	11.5	0.00920	mg/L	0.009855	0.00920	mg/L	0.009855	107.15%
Mn 257.610†	-1.9	-0.00006	mg/L	0.000164	-0.00006	mg/L	0.000164	254.61%
Mo 202.031†	3.7	0.00059	mg/L	0.000899	0.00059	mg/L	0.000899	152.83%
Na 589.592†	40.7	0.01971	mg/L	0.006329	0.01971	mg/L	0.006329	32.10%
Na 330.237†	-23.3	-1.008	mg/L	0.5044	-1.008	mg/L	0.5044	50.04%
Ni 231.604†	0.5	0.00040	mg/L	0.001329	0.00040	mg/L	0.001329	329.57%
Pb 220.353†	6.3	0.00089	mg/L	0.000458	0.00089	mg/L	0.000458	51.21%
Sb 206.836†	-6.4	-0.00303	mg/L	0.000978	-0.00303	mg/L	0.000978	32.23%
Se 196.026†	-1.5	-0.00131	mg/L	0.002634	-0.00131	mg/L	0.002634	200.90%
Si 288.158†	-7.2	-0.00415	mg/L	0.005819	-0.00415	mg/L	0.005819	140.17%
Sn 189.927†	6.6	0.00197	mg/L	0.000760	0.00197	mg/L	0.000760	38.61%
Sr 421.552†	-100.7	-0.00033	mg/L	0.000099	-0.00033	mg/L	0.000099	30.45%
Ti 334.903†	-0.4	-0.00002	mg/L	0.001275	-0.00002	mg/L	0.001275	>999.9%
Tl 190.801†	-1.9	-0.00089	mg/L	0.001435	-0.00089	mg/L	0.001435	161.34%
V 292.402†	43.5	0.00038	mg/L	0.000140	0.00038	mg/L	0.000140	37.30%
Zn 206.200†	0.4	0.00036	mg/L	0.001803	0.00036	mg/L	0.001803	503.57%

Sequence No.: 13
Sample ID: IDL6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:37:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL6

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1791515.7	100.4	%	0.59				0.59%
ScR 361.383	152100.6	103.7	%	0.37				0.36%
Ag 328.068†	140.6	0.00087	mg/L	0.000421	0.00087	mg/L	0.000421	48.55%
Al 308.215†	-27.2	-0.01623	mg/L	0.010493	-0.01623	mg/L	0.010493	64.63%
As 188.979†	1.9	0.00162	mg/L	0.001707	0.00162	mg/L	0.001707	105.38%
B 249.677†	4.8	0.00239	mg/L	0.000674	0.00239	mg/L	0.000674	28.25%
Ba 233.527†	4.3	0.00074	mg/L	0.000733	0.00074	mg/L	0.000733	98.44%
Be 313.042†	33.4	0.00012	mg/L	0.000063	0.00012	mg/L	0.000063	52.76%
Ca 317.933†	19.8	0.00191	mg/L	0.001471	0.00191	mg/L	0.001471	76.87%
Cd 228.802†	5.2	0.00011	mg/L	0.000106	0.00011	mg/L	0.000106	93.93%
Co 228.616†	6.6	0.00013	mg/L	0.000055	0.00013	mg/L	0.000055	43.76%
Cr 267.716†	-1.1	-0.00027	mg/L	0.001504	-0.00027	mg/L	0.001504	565.12%
Cu 324.752†	82.0	0.00037	mg/L	0.000058	0.00037	mg/L	0.000058	15.48%
Fe 273.955†	-4.0	-0.00324	mg/L	0.003075	-0.00324	mg/L	0.003075	94.89%
K 766.490†	-4.6	-0.00339	mg/L	0.006001	-0.00339	mg/L	0.006001	176.84%
Mg 279.077†	-0.3	-0.00027	mg/L	0.021227	-0.00027	mg/L	0.021227	>999.9%
Mn 257.610†	-1.3	-0.00004	mg/L	0.000123	-0.00004	mg/L	0.000123	286.55%
Mo 202.031†	-0.6	-0.00009	mg/L	0.001029	-0.00009	mg/L	0.001029	>999.9%
Na 589.592†	23.1	0.01117	mg/L	0.009230	0.01117	mg/L	0.009230	82.62%
Na 330.237†	-27.1	-1.174	mg/L	0.3460	-1.174	mg/L	0.3460	29.47%
Ni 231.604†	-0.2	-0.00015	mg/L	0.002788	-0.00015	mg/L	0.002788	>999.9%
Pb 220.353†	-0.2	-0.00004	mg/L	0.000323	-0.00004	mg/L	0.000323	840.69%
Sb 206.836†	-5.5	-0.00260	mg/L	0.000888	-0.00260	mg/L	0.000888	34.19%
Se 196.026†	-2.4	-0.00213	mg/L	0.002338	-0.00213	mg/L	0.002338	109.67%
Si 288.158†	-20.4	-0.01168	mg/L	0.009930	-0.01168	mg/L	0.009930	85.03%
Sn 189.927†	5.4	0.00162	mg/L	0.000098	0.00162	mg/L	0.000098	6.04%
Sr 421.552†	-138.2	-0.00045	mg/L	0.000163	-0.00045	mg/L	0.000163	36.27%
Ti 334.903†	-12.7	-0.00061	mg/L	0.000952	-0.00061	mg/L	0.000952	156.95%
Tl 190.801†	1.9	0.00092	mg/L	0.001983	0.00092	mg/L	0.001983	216.32%
V 292.402†	28.7	0.00024	mg/L	0.000151	0.00024	mg/L	0.000151	63.59%
Zn 206.200†	0.6	0.00055	mg/L	0.001900	0.00055	mg/L	0.001900	344.41%

Sequence No.: 14
Sample ID: IDL7
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:44:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL7

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: IDL7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1788643.5	100.2	%	0.45				0.45%
ScR 361.383	151265.4	103.1	%	0.53				0.51%
Ag 328.068†	67.1	0.00041	mg/L	0.000362	0.00041	mg/L	0.000362	87.47%
Al 308.215†	-15.1	-0.00898	mg/L	0.008015	-0.00898	mg/L	0.008015	89.21%
As 188.979†	7.9	0.00665	mg/L	0.002250	0.00665	mg/L	0.002250	33.86%
B 249.677†	2.1	0.00107	mg/L	0.002261	0.00107	mg/L	0.002261	211.07%
Ba 233.527†	-0.6	-0.00010	mg/L	0.000399	-0.00010	mg/L	0.000399	403.30%
Be 313.042†	38.5	0.00014	mg/L	0.000055	0.00014	mg/L	0.000055	39.97%
Ca 317.933†	54.3	0.00524	mg/L	0.002278	0.00524	mg/L	0.002278	43.45%
Cd 228.802†	1.1	-0.00002	mg/L	0.000064	-0.00002	mg/L	0.000064	398.20%
Co 228.616†	14.3	0.00027	mg/L	0.000059	0.00027	mg/L	0.000059	21.95%
Cr 267.716†	5.0	0.00118	mg/L	0.000915	0.00118	mg/L	0.000915	77.87%
Cu 324.752†	101.1	0.00046	mg/L	0.000088	0.00046	mg/L	0.000088	19.16%
Fe 273.955†	-5.3	-0.00423	mg/L	0.003210	-0.00423	mg/L	0.003210	75.79%
K 766.490†	21.4	0.01566	mg/L	0.006368	0.01566	mg/L	0.006368	40.66%
Mg 279.077†	4.9	0.00390	mg/L	0.010025	0.00390	mg/L	0.010025	257.08%
Mn 257.610†	0.3	0.00001	mg/L	0.000163	0.00001	mg/L	0.000163	>999.9%
Mo 202.031†	0.5	0.00008	mg/L	0.000250	0.00008	mg/L	0.000250	330.08%
Na 589.592†	23.3	0.01130	mg/L	0.005797	0.01130	mg/L	0.005797	51.31%
Na 330.237†	-4.6	-0.1997	mg/L	0.12653	-0.1997	mg/L	0.12653	63.35%
Ni 231.604†	-0.3	-0.00027	mg/L	0.001877	-0.00027	mg/L	0.001877	696.39%
Pb 220.353†	-1.3	-0.00019	mg/L	0.001238	-0.00019	mg/L	0.001238	646.29%
Sb 206.836†	-3.7	-0.00175	mg/L	0.003144	-0.00175	mg/L	0.003144	179.30%
Se 196.026†	-3.7	-0.00329	mg/L	0.004165	-0.00329	mg/L	0.004165	126.54%
Si 288.158†	-6.5	-0.00375	mg/L	0.013302	-0.00375	mg/L	0.013302	354.64%
Sn 189.927†	3.8	0.00113	mg/L	0.001094	0.00113	mg/L	0.001094	96.46%
Sr 421.552†	-96.9	-0.00031	mg/L	0.000217	-0.00031	mg/L	0.000217	69.06%
Ti 334.903†	2.4	0.00011	mg/L	0.000928	0.00011	mg/L	0.000928	824.97%
Tl 190.801†	1.7	0.00078	mg/L	0.001653	0.00078	mg/L	0.001653	210.84%
V 292.402†	8.4	0.00008	mg/L	0.000329	0.00008	mg/L	0.000329	416.58%
Zn 206.200†	0.7	0.00066	mg/L	0.001127	0.00066	mg/L	0.001127	171.84%

Sequence No.: 15
Sample ID: IDL8
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:50:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL8

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1796356.1	100.7	%	0.40				0.39%
ScR 361.383	151263.5	103.1	%	0.34				0.33%
Ag 328.068†	88.9	0.00055	mg/L	0.000323	0.00055	mg/L	0.000323	58.92%
Al 308.215†	-7.7	-0.00460	mg/L	0.006964	-0.00460	mg/L	0.006964	151.35%
As 188.979†	5.5	0.00465	mg/L	0.002384	0.00465	mg/L	0.002384	51.33%
B 249.677†	6.9	0.00345	mg/L	0.000806	0.00345	mg/L	0.000806	23.36%
Ba 233.527†	0.2	0.00004	mg/L	0.001078	0.00004	mg/L	0.001078	>999.9%
Be 313.042†	34.5	0.00012	mg/L	0.000091	0.00012	mg/L	0.000091	73.93%
Ca 317.933†	5.5	0.00053	mg/L	0.002903	0.00053	mg/L	0.002903	545.83%
Cd 228.802†	-0.7	-0.00005	mg/L	0.000225	-0.00005	mg/L	0.000225	473.45%
Co 228.616†	12.9	0.00024	mg/L	0.000201	0.00024	mg/L	0.000201	82.81%
Cr 267.716†	4.2	0.00100	mg/L	0.000998	0.00100	mg/L	0.000998	99.77%
Cu 324.752†	91.8	0.00042	mg/L	0.000215	0.00042	mg/L	0.000215	51.72%
Fe 273.955†	-4.9	-0.00398	mg/L	0.004296	-0.00398	mg/L	0.004296	107.89%
K 766.490†	17.2	0.01263	mg/L	0.018322	0.01263	mg/L	0.018322	145.04%
Mg 279.077†	17.8	0.01415	mg/L	0.006453	0.01415	mg/L	0.006453	45.60%
Mn 257.610†	-0.4	-0.00001	mg/L	0.000067	-0.00001	mg/L	0.000067	458.50%
Mo 202.031†	1.4	0.00022	mg/L	0.000384	0.00022	mg/L	0.000384	171.78%
Na 589.592†	37.1	0.01798	mg/L	0.007714	0.01798	mg/L	0.007714	42.90%
Na 330.237†	-7.8	-0.3398	mg/L	0.28719	-0.3398	mg/L	0.28719	84.51%
Ni 231.604†	-0.4	-0.00031	mg/L	0.001592	-0.00031	mg/L	0.001592	515.41%
Pb 220.353†	-6.9	-0.00098	mg/L	0.001372	-0.00098	mg/L	0.001372	139.67%
Sb 206.836†	-7.6	-0.00357	mg/L	0.003274	-0.00357	mg/L	0.003274	91.72%
Se 196.026†	4.3	0.00378	mg/L	0.006955	0.00378	mg/L	0.006955	184.08%
Si 288.158†	-3.3	-0.00189	mg/L	0.011807	-0.00189	mg/L	0.011807	625.24%
Sn 189.927†	4.8	0.00143	mg/L	0.000588	0.00143	mg/L	0.000588	41.02%
Sr 421.552†	-124.7	-0.00040	mg/L	0.000106	-0.00040	mg/L	0.000106	26.16%
Ti 334.903†	4.7	0.00022	mg/L	0.000687	0.00022	mg/L	0.000687	309.70%
Tl 190.801†	-3.4	-0.00161	mg/L	0.001633	-0.00161	mg/L	0.001633	101.66%
V 292.402†	20.0	0.00018	mg/L	0.000458	0.00018	mg/L	0.000458	261.41%
Zn 206.200†	-0.4	-0.00034	mg/L	0.001584	-0.00034	mg/L	0.001584	463.32%

Sequence No.: 16
Sample ID: IDL9
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:57:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL9

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1799045.2	100.8	%	0.33				0.33%
ScR 361.383	153125.2	104.4	%	0.83				0.80%
Ag 328.068†	112.6	0.00069	mg/L	0.000213	0.00069	mg/L	0.000213	30.66%
Al 308.215†	-17.8	-0.01060	mg/L	0.002546	-0.01060	mg/L	0.002546	24.01%
As 188.979†	3.6	0.00303	mg/L	0.001632	0.00303	mg/L	0.001632	53.80%
B 249.677†	6.5	0.00323	mg/L	0.001250	0.00323	mg/L	0.001250	38.71%
Ba 233.527†	-3.7	-0.00064	mg/L	0.000354	-0.00064	mg/L	0.000354	55.34%
Be 313.042†	20.6	0.00007	mg/L	0.000009	0.00007	mg/L	0.000009	12.58%
Ca 317.933†	29.2	0.00282	mg/L	0.001878	0.00282	mg/L	0.001878	66.65%
Cd 228.802†	-1.0	-0.00004	mg/L	0.000127	-0.00004	mg/L	0.000127	286.48%
Co 228.616†	7.2	0.00014	mg/L	0.000230	0.00014	mg/L	0.000230	167.47%
Cr 267.716†	3.1	0.00073	mg/L	0.000671	0.00073	mg/L	0.000671	91.39%
Cu 324.752†	131.5	0.00060	mg/L	0.000139	0.00060	mg/L	0.000139	23.39%
Fe 273.955†	-3.7	-0.00301	mg/L	0.002043	-0.00301	mg/L	0.002043	67.92%
K 766.490†	-15.8	-0.01156	mg/L	0.012534	-0.01156	mg/L	0.012534	108.39%
Mg 279.077†	1.8	0.00141	mg/L	0.007642	0.00141	mg/L	0.007642	542.16%
Mn 257.610†	-3.5	-0.00012	mg/L	0.000045	-0.00012	mg/L	0.000045	37.44%
Mo 202.031†	1.9	0.00030	mg/L	0.000649	0.00030	mg/L	0.000649	213.86%
Na 589.592†	34.7	0.01680	mg/L	0.003744	0.01680	mg/L	0.003744	22.28%
Na 330.237†	-6.3	-0.2719	mg/L	0.19900	-0.2719	mg/L	0.19900	73.20%
Ni 231.604†	-0.2	-0.00013	mg/L	0.003185	-0.00013	mg/L	0.003185	>999.9%
Pb 220.353†	5.2	0.00073	mg/L	0.000695	0.00073	mg/L	0.000695	95.19%
Sb 206.836†	-1.6	-0.00074	mg/L	0.001532	-0.00074	mg/L	0.001532	205.94%
Se 196.026†	-3.2	-0.00279	mg/L	0.001008	-0.00279	mg/L	0.001008	36.06%
Si 288.158†	2.9	0.00168	mg/L	0.007244	0.00168	mg/L	0.007244	430.95%
Sn 189.927†	4.6	0.00138	mg/L	0.001226	0.00138	mg/L	0.001226	88.83%
Sr 421.552†	-39.8	-0.00013	mg/L	0.000152	-0.00013	mg/L	0.000152	118.07%
Ti 334.903†	-10.7	-0.00051	mg/L	0.000081	-0.00051	mg/L	0.000081	15.83%
Tl 190.801†	3.9	0.00186	mg/L	0.003139	0.00186	mg/L	0.003139	168.57%
V 292.402†	-2.6	-0.00001	mg/L	0.000084	-0.00001	mg/L	0.000084	577.99%
Zn 206.200†	-0.6	-0.00056	mg/L	0.001320	-0.00056	mg/L	0.001320	236.68%

Sequence No.: 17
Sample ID: IDL10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 2:03:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL10

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: IDL10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1799277.7	100.8	%	0.60				0.59%
ScR 361.383	152759.1	104.2	%	0.07				0.06%
Ag 328.068†	66.9	0.00041	mg/L	0.000762	0.00041	mg/L	0.000762	184.73%
Al 308.215†	-5.8	-0.00344	mg/L	0.007931	-0.00344	mg/L	0.007931	230.63%
As 188.979†	6.2	0.00520	mg/L	0.004025	0.00520	mg/L	0.004025	77.44%
B 249.677†	1.1	0.00053	mg/L	0.000527	0.00053	mg/L	0.000527	98.92%
Ba 233.527†	2.5	0.00043	mg/L	0.000570	0.00043	mg/L	0.000570	132.35%
Be 313.042†	29.7	0.00011	mg/L	0.000034	0.00011	mg/L	0.000034	32.29%
Ca 317.933†	36.1	0.00349	mg/L	0.002907	0.00349	mg/L	0.002907	83.40%
Cd 228.802†	-0.2	-0.00004	mg/L	0.000125	-0.00004	mg/L	0.000125	320.10%
Co 228.616†	10.7	0.00020	mg/L	0.000302	0.00020	mg/L	0.000302	149.09%
Cr 267.716†	2.3	0.00054	mg/L	0.000196	0.00054	mg/L	0.000196	36.37%
Cu 324.752†	101.2	0.00046	mg/L	0.000124	0.00046	mg/L	0.000124	26.96%
Fe 273.955†	-5.1	-0.00412	mg/L	0.000465	-0.00412	mg/L	0.000465	11.28%
K 766.490†	1.9	0.00137	mg/L	0.011423	0.00137	mg/L	0.011423	832.30%
Mg 279.077†	2.7	0.00219	mg/L	0.003569	0.00219	mg/L	0.003569	162.83%
Mn 257.610†	-2.0	-0.00007	mg/L	0.000098	-0.00007	mg/L	0.000098	142.10%
Mo 202.031†	0.5	0.00008	mg/L	0.000482	0.00008	mg/L	0.000482	568.47%
Na 589.592†	16.8	0.00812	mg/L	0.003983	0.00812	mg/L	0.003983	49.07%
Na 330.237†	-3.6	-0.1568	mg/L	0.24297	-0.1568	mg/L	0.24297	154.98%
Ni 231.604†	-1.0	-0.00084	mg/L	0.002509	-0.00084	mg/L	0.002509	299.10%
Pb 220.353†	7.5	0.00106	mg/L	0.000465	0.00106	mg/L	0.000465	43.69%
Sb 206.836†	-2.4	-0.00113	mg/L	0.001213	-0.00113	mg/L	0.001213	107.05%
Se 196.026†	2.2	0.00199	mg/L	0.003456	0.00199	mg/L	0.003456	173.79%
Si 288.158†	-4.3	-0.00248	mg/L	0.002121	-0.00248	mg/L	0.002121	85.48%
Sn 189.927†	3.3	0.00099	mg/L	0.000574	0.00099	mg/L	0.000574	57.67%
Sr 421.552†	-75.6	-0.00024	mg/L	0.000048	-0.00024	mg/L	0.000048	19.80%
Ti 334.903†	-10.1	-0.00048	mg/L	0.000202	-0.00048	mg/L	0.000202	41.78%
Tl 190.801†	2.8	0.00135	mg/L	0.002038	0.00135	mg/L	0.002038	150.80%
V 292.402†	7.0	0.00006	mg/L	0.000122	0.00006	mg/L	0.000122	193.36%
Zn 206.200†	-0.1	-0.00006	mg/L	0.001123	-0.00006	mg/L	0.001123	>999.9%

Sequence No.: 18
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 10/9/2007 2:10:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 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	1784289.8	99.99	%	0.124				0.12%
ScR 361.383	153642.9	104.8	%	0.85				0.81%
Ag 328.068†	162536.0	1.002	mg/L	0.0108	1.002	mg/L	0.0108	1.07%
Al 308.215†	3371.1	1.970	mg/L	0.0221	1.970	mg/L	0.0221	1.12%
As 188.979†	2403.7	2.028	mg/L	0.0092	2.028	mg/L	0.0092	0.45%
B 249.677†	1964.4	0.9812	mg/L	0.01614	0.9812	mg/L	0.01614	1.64%
Ba 233.527†	5637.6	0.9825	mg/L	0.00971	0.9825	mg/L	0.00971	0.99%
Be 313.042†	283038.8	1.011	mg/L	0.0039	1.011	mg/L	0.0039	0.38%
Ca 317.933†	21613.3	2.087	mg/L	0.0098	2.087	mg/L	0.0098	0.47%
Cd 228.802†	43065.0	1.015	mg/L	0.0094	1.015	mg/L	0.0094	0.92%
Co 228.616†	52101.9	0.9776	mg/L	0.00899	0.9776	mg/L	0.00899	0.92%
Cr 267.716†	4127.9	0.9776	mg/L	0.00911	0.9776	mg/L	0.00911	0.93%
Cu 324.752†	231588.8	1.051	mg/L	0.0103	1.051	mg/L	0.0103	0.98%
Fe 273.955†	2508.3	2.018	mg/L	0.0181	2.018	mg/L	0.0181	0.90%
K 766.490†	27665.3	20.27	mg/L	0.050	20.27	mg/L	0.050	0.24%
Mg 279.077†	2584.4	2.063	mg/L	0.0191	2.063	mg/L	0.0191	0.93%
Mn 257.610†	28569.9	0.9760	mg/L	0.00565	0.9760	mg/L	0.00565	0.58%
Mo 202.031†	6186.7	0.9748	mg/L	0.00491	0.9748	mg/L	0.00491	0.50%
Na 589.592†	101245.5	49.02	mg/L	0.235	49.02	mg/L	0.235	0.48%
Na 330.237†	1196.7	51.49	mg/L	0.158	51.49	mg/L	0.158	0.31%
Ni 231.604†	1239.4	0.9999	mg/L	0.00728	0.9999	mg/L	0.00728	0.73%
Pb 220.353†	14490.7	2.051	mg/L	0.0166	2.051	mg/L	0.0166	0.81%
Sb 206.836†	4325.9	2.033	mg/L	0.0064	2.033	mg/L	0.0064	0.32%
Se 196.026†	2268.6	2.010	mg/L	0.0044	2.010	mg/L	0.0044	0.22%
Si 288.158†	3563.0	2.047	mg/L	0.0203	2.047	mg/L	0.0203	0.99%
Sn 189.927†	3106.5	0.9284	mg/L	0.00337	0.9284	mg/L	0.00337	0.36%
Sr 421.552†	303949.9	0.9854	mg/L	0.00401	0.9854	mg/L	0.00401	0.41%
Ti 334.903†	21075.2	1.003	mg/L	0.0028	1.003	mg/L	0.0028	0.28%
Tl 190.801†	4195.9	1.981	mg/L	0.0114	1.981	mg/L	0.0114	0.57%
V 292.402†	117329.7	0.9909	mg/L	0.00939	0.9909	mg/L	0.00939	0.95%
Zn 206.200†	1097.6	1.027	mg/L	0.0132	1.027	mg/L	0.0132	1.29%

Sequence No.: 19
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 2:16:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 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.	RSD
ScA 357.253	1804164.0	101.1	%	0.31				0.31%
ScR 361.383	152419.3	103.9	%	0.73				0.70%
Ag 328.068†	169.2	0.00104	mg/L	0.000251	0.00104	mg/L	0.000251	24.11%
Al 308.215†	-13.3	-0.00796	mg/L	0.009407	-0.00796	mg/L	0.009407	118.25%
As 188.979†	5.0	0.00421	mg/L	0.002977	0.00421	mg/L	0.002977	70.78%
B 249.677†	13.2	0.00662	mg/L	0.001450	0.00662	mg/L	0.001450	21.92%
Ba 233.527†	3.9	0.00068	mg/L	0.000556	0.00068	mg/L	0.000556	82.31%
Be 313.042†	10.4	0.00004	mg/L	0.000049	0.00004	mg/L	0.000049	132.40%
Ca 317.933†	19.6	0.00189	mg/L	0.001180	0.00189	mg/L	0.001180	62.52%
Cd 228.802†	1.5	0.00001	mg/L	0.000028	0.00001	mg/L	0.000028	323.27%
Co 228.616†	8.3	0.00016	mg/L	0.000028	0.00016	mg/L	0.000028	18.00%
Cr 267.716†	2.9	0.00068	mg/L	0.001039	0.00068	mg/L	0.001039	153.95%
Cu 324.752†	137.1	0.00062	mg/L	0.000263	0.00062	mg/L	0.000263	42.23%
Fe 273.955†	-2.8	-0.00228	mg/L	0.002146	-0.00228	mg/L	0.002146	94.20%
K 766.490†	0.6	0.00045	mg/L	0.013402	0.00045	mg/L	0.013402	>999.9%
Mg 279.077†	3.3	0.00267	mg/L	0.008841	0.00267	mg/L	0.008841	331.41%
Mn 257.610†	-0.8	-0.00003	mg/L	0.000164	-0.00003	mg/L	0.000164	623.76%
Mo 202.031†	5.4	0.00085	mg/L	0.000190	0.00085	mg/L	0.000190	22.29%
Na 589.592†	49.8	0.02409	mg/L	0.010080	0.02409	mg/L	0.010080	41.85%
Na 330.237†	-1.4	-0.05996	mg/L	0.434592	-0.05996	mg/L	0.434592	724.82%
Ni 231.604†	-1.6	-0.00129	mg/L	0.001177	-0.00129	mg/L	0.001177	91.25%
Pb 220.353†	1.6	0.00022	mg/L	0.001133	0.00022	mg/L	0.001133	519.14%
Sb 206.836†	-1.1	-0.00049	mg/L	0.001155	-0.00049	mg/L	0.001155	234.85%
Se 196.026†	-4.6	-0.00409	mg/L	0.002269	-0.00409	mg/L	0.002269	55.49%
Si 288.158†	-13.3	-0.00762	mg/L	0.007312	-0.00762	mg/L	0.007312	96.00%
Sn 189.927†	10.4	0.00310	mg/L	0.000656	0.00310	mg/L	0.000656	21.15%
Sr 421.552†	-92.8	-0.00030	mg/L	0.000088	-0.00030	mg/L	0.000088	29.12%
Ti 334.903†	-4.8	-0.00023	mg/L	0.001707	-0.00023	mg/L	0.001707	745.67%
Tl 190.801†	12.6	0.00600	mg/L	0.002539	0.00600	mg/L	0.002539	42.34%
V 292.402†	3.5	0.00004	mg/L	0.000056	0.00004	mg/L	0.000056	144.08%
Zn 206.200†	-0.9	-0.00083	mg/L	0.001639	-0.00083	mg/L	0.001639	198.12%

Analysis Begun

Start Time: 10/9/2007 2:21:47 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/9/2007 10:26:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1009A.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: LR67 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X
Autosampler Location: 24
Date Collected: 10/9/2007 2:21:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 MB SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797003.8	100.7	%	0.80				0.80%
ScR 361.383	155232.4	105.8	%	0.64				0.60%
Ag 328.068†	83529.5	0.5151	mg/L	0.00636	1.030	mg/L	0.0127	1.23%
Al 308.215†	3395.9	2.017	mg/L	0.0182	4.034	mg/L	0.0363	0.90%
As 188.979†	2463.5	2.080	mg/L	0.0153	4.160	mg/L	0.0306	0.73%
B 249.677†	11.3	0.00427	mg/L	0.000809	0.00854	mg/L	0.001618	18.95%
Ba 233.527†	11214.9	1.954	mg/L	0.0101	3.909	mg/L	0.0202	0.52%
Be 313.042†	147845.5	0.5281	mg/L	0.00096	1.056	mg/L	0.0019	0.18%
Ca 317.933†	107706.1	10.40	mg/L	0.015	20.80	mg/L	0.031	0.15%
Cd 228.802†	21824.0	0.5074	mg/L	0.00681	1.015	mg/L	0.0136	1.34%
Co 228.616†	26283.9	0.4935	mg/L	0.00524	0.9869	mg/L	0.01048	1.06%
Cr 267.716†	2137.6	0.5063	mg/L	0.00293	1.013	mg/L	0.0059	0.58%
Cu 324.752†	112053.1	0.5088	mg/L	0.00550	1.018	mg/L	0.0110	1.08%
Fe 273.955†	2575.2	2.073	mg/L	0.0104	4.147	mg/L	0.0208	0.50%
K 766.490†	14024.5	10.27	mg/L	0.042	20.55	mg/L	0.084	0.41%
Mg 279.077†	13354.7	10.65	mg/L	0.018	21.29	mg/L	0.037	0.17%
Mn 257.610†	14897.4	0.5093	mg/L	0.00117	1.019	mg/L	0.0023	0.23%
Mo 202.031†	19.0	0.00271	mg/L	0.000343	0.00542	mg/L	0.000686	12.66%
Na 589.592†	20968.9	10.15	mg/L	0.011	20.30	mg/L	0.021	0.10%
Na 330.237†	246.0	10.35	mg/L	0.518	20.70	mg/L	1.036	5.00%
Ni 231.604†	628.0	0.5071	mg/L	0.00115	1.014	mg/L	0.0023	0.23%
Pb 220.353†	14501.5	2.053	mg/L	0.0210	4.105	mg/L	0.0420	1.02%
Sb 206.836†	4412.3	2.070	mg/L	0.0124	4.141	mg/L	0.0248	0.60%
Se 196.026†	2342.5	2.078	mg/L	0.0118	4.155	mg/L	0.0237	0.57%
Si 288.158†	29.7	0.01735	mg/L	0.003996	0.03471	mg/L	0.007991	23.02%
Sn 189.927†	-10.6	-0.00249	mg/L	0.000504	-0.00499	mg/L	0.001009	20.23%
Sr 421.552†	153960.3	0.4991	mg/L	0.00201	0.9981	mg/L	0.00402	0.40%
Ti 334.903†	28.4	0.00121	mg/L	0.000301	0.00241	mg/L	0.000601	24.93%
Tl 190.801†	4180.8	1.981	mg/L	0.0163	3.962	mg/L	0.0326	0.82%
V 292.402†	60506.0	0.5086	mg/L	0.00579	1.017	mg/L	0.0116	1.14%
Zn 206.200†	540.2	0.5062	mg/L	0.00242	1.012	mg/L	0.0048	0.48%

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

Autosampler Location: 25
Date Collected: 10/9/2007 2:28:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 B SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

rerun

Mean Data: LR67 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1847764.3	103.5	%	0.36				0.34%
ScR 361.383	157252.6	107.2	%	0.67				0.63%
Ag 328.068†	-1165.2	0.01314	mg/L	0.000630	0.02627	mg/L	0.001259	4.79%
Al 308.215†	116054.0	69.16	mg/L	0.191	138.3	mg/L	0.38	0.28%
As 188.979†	746.2	0.6033	mg/L	0.00385	1.207	mg/L	0.0077	0.64%
B 249.677†	575.5	0.3381	mg/L	0.00620	0.6761	mg/L	0.01241	1.84%
Ba 233.527†	29721.1	5.157	mg/L	0.0172	10.31	mg/L	0.034	0.33%
Be 313.042†	447.5	0.00070	mg/L	0.000064	0.00140	mg/L	0.000128	9.14%
Ca 317.933†	672577.6	64.95	mg/L	0.258	129.9	mg/L	0.52	0.40%
Cd 228.802†	6987.3	0.1627	mg/L	0.00039	0.3253	mg/L	0.00077	0.24%
Co 228.616†	5281.7	0.07600	mg/L	0.000138	0.1520	mg/L	0.00028	0.18%
Cr 267.716†	3510.5	0.8432	mg/L	0.00608	1.686	mg/L	0.0122	0.72%
Cu 324.752†	602427.7	2.791	mg/L	0.0023	5.581	mg/L	0.0045	0.08%
Fe 273.955†	756086.7	609.2	mg/L	1.71	1218	mg/L	3.4	0.28%
K 766.490†	9731.4	7.129	mg/L	0.0486	14.26	mg/L	0.097	0.68%
Mg 279.077†	47588.1	37.70	mg/L	0.160	75.39	mg/L	0.320	0.42%
Mn 257.610†	86437.4	2.961	mg/L	0.0025	5.922	mg/L	0.0049	0.08%
Mo 202.031†	131.4	0.02200	mg/L	0.001362	0.04400	mg/L	0.002723	6.19%
Na 589.592†	7680.3	3.718	mg/L	0.0217	7.436	mg/L	0.0435	0.58%
Na 330.237†	476.2	-0.4277	mg/L	0.53545	-0.8554	mg/L	1.07091	125.19%
Ni 231.604†	225.2	0.1803	mg/L	0.00145	0.3605	mg/L	0.00291	0.81%
Pb 220.353†	118288.3	16.71	mg/L	0.056	33.43	mg/L	0.112	0.33%
Sb 206.836†	101.4	0.06545	mg/L	0.002084	0.1309	mg/L	0.00417	3.18%
Se 196.026†	-205.2	-0.06235	mg/L	0.004594	-0.1247	mg/L	0.00919	7.37%
Si 288.158†	2356.3	1.352	mg/L	0.0161	2.705	mg/L	0.0322	1.19%
Sn 189.927†	888.7	0.2304	mg/L	0.00065	0.4608	mg/L	0.00130	0.28%
Sr 421.552†	98412.5	0.3130	mg/L	0.00180	0.6261	mg/L	0.00360	0.57%
Ti 334.903†	128504.2	6.124	mg/L	0.0213	12.25	mg/L	0.043	0.35%
Tl 190.801†	-61.5	-0.03925	mg/L	0.000975	-0.07851	mg/L	0.001949	2.48%
V 292.402†	41524.9	0.2999	mg/L	0.00105	0.5998	mg/L	0.00211	0.35%
Zn 206.200†	46706.8	43.75	mg/L	0.134	87.49	mg/L	0.268	0.31%

Sequence No.: 3
Sample ID: LR67 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 26
Date Collected: 10/9/2007 2:34:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 C SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1859261.4	104.2	%	0.40				0.38%
ScR 361.383	159502.6	108.8	%	0.80				0.74%
Ag 328.068†	-1049.3	0.00043	mg/L	0.000133	0.00085	mg/L	0.000266	31.25%
Al 308.215†	231270.0	137.8	mg/L	0.74	275.7	mg/L	1.48	0.54%
As 188.979†	113.9	0.04914	mg/L	0.005691	0.09828	mg/L	0.011382	11.58%
B 249.677†	40.6	0.03703	mg/L	0.002753	0.07406	mg/L	0.005507	7.44%
Ba 233.527†	1379.7	0.2326	mg/L	0.00149	0.4652	mg/L	0.00298	0.64%
Be 313.042†	945.4	0.00206	mg/L	0.000059	0.00412	mg/L	0.000117	2.85%
Ca 317.933†	807886.5	78.02	mg/L	0.489	156.0	mg/L	0.98	0.63%
Cd 228.802†	31.0	0.00011	mg/L	0.000128	0.00021	mg/L	0.000255	119.66%
Co 228.616†	5218.9	0.07423	mg/L	0.000519	0.1485	mg/L	0.00104	0.70%
Cr 267.716†	1064.3	0.2556	mg/L	0.00176	0.5113	mg/L	0.00353	0.69%
Cu 324.752†	46547.6	0.2283	mg/L	0.00007	0.4566	mg/L	0.00014	0.03%
Fe 273.955†	254927.1	205.4	mg/L	0.69	410.8	mg/L	1.39	0.34%
K 766.490†	8821.6	6.463	mg/L	0.0785	12.93	mg/L	0.157	1.21%
Mg 279.077†	102310.2	81.47	mg/L	0.371	162.9	mg/L	0.74	0.46%
Mn 257.610†	83898.2	2.861	mg/L	0.0042	5.723	mg/L	0.0084	0.15%
Mo 202.031†	11.9	0.00624	mg/L	0.000462	0.01248	mg/L	0.000924	7.41%
Na 589.592†	4827.3	2.337	mg/L	0.0237	4.674	mg/L	0.0473	1.01%
Na 330.237†	9.9	2.162	mg/L	0.1463	4.323	mg/L	0.2926	6.77%
Ni 231.604†	225.8	0.1818	mg/L	0.00271	0.3636	mg/L	0.00543	1.49%
Pb 220.353†	0.2	0.02718	mg/L	0.001461	0.05436	mg/L	0.002922	5.37%
Sb 206.836†	-39.5	0.00463	mg/L	0.003192	0.00926	mg/L	0.006384	68.94%
Se 196.026†	-114.9	-0.03847	mg/L	0.002198	-0.07694	mg/L	0.004396	5.71%
Si 288.158†	2083.8	1.196	mg/L	0.0094	2.391	mg/L	0.0188	0.79%
Sn 189.927†	-14.1	-0.00855	mg/L	0.000796	-0.01709	mg/L	0.001592	9.32%
Sr 421.552†	79042.3	0.2540	mg/L	0.00153	0.5079	mg/L	0.00307	0.60%
Ti 334.903†	214953.6	10.24	mg/L	0.066	20.49	mg/L	0.131	0.64%
Tl 190.801†	-10.4	-0.02251	mg/L	0.003121	-0.04502	mg/L	0.006242	13.87%
V 292.402†	59884.8	0.4772	mg/L	0.00014	0.9545	mg/L	0.00028	0.03%
Zn 206.200†	393.1	0.3703	mg/L	0.00538	0.7405	mg/L	0.01076	1.45%

Sequence No.: 4
Sample ID: LR67 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 27
Date Collected: 10/9/2007 2:41:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 D SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

DC

Mean Data: LR67 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1868091.3	104.7	%	0.54				0.52%
ScR 361.383	163052.9	111.2	%	0.05				0.05%
Ag 328.068†	-917.8	0.00001	mg/L	0.000117	0.00002	mg/L	0.000234	972.96%
Al 308.215†	192807.0	114.9	mg/L	0.30	229.8	mg/L	0.61	0.27%
As 188.979†	102.9	0.04552	mg/L	0.006015	0.09103	mg/L	0.012030	13.21%
B 249.677†	23.5	0.02551	mg/L	0.002373	0.05101	mg/L	0.004747	9.30%
Ba 233.527†	1672.2	0.2850	mg/L	0.00068	0.5700	mg/L	0.00137	0.24%
Be 313.042†	760.5	0.00157	mg/L	0.000040	0.00314	mg/L	0.000081	2.58%
Ca 317.933†	719476.8	69.48	mg/L	0.390	139.0	mg/L	0.78	0.56%
Cd 228.802†	84.5	0.00144	mg/L	0.000117	0.00289	mg/L	0.000235	8.13%
Co 228.616†	4478.9	0.06215	mg/L	0.000355	0.1243	mg/L	0.00071	0.57%
Cr 267.716†	899.6	0.2160	mg/L	0.00170	0.4321	mg/L	0.00340	0.79%
Cu 324.752†	40771.8	0.1988	mg/L	0.00003	0.3976	mg/L	0.00006	0.01%
Fe 273.955†	209566.9	168.9	mg/L	0.40	337.7	mg/L	0.79	0.23%
K 766.490†	8600.8	6.301	mg/L	0.0423	12.60	mg/L	0.085	0.67%
Mg 279.077†	84115.1	66.98	mg/L	0.267	134.0	mg/L	0.53	0.40%
Mn 257.610†	65212.5	2.224	mg/L	0.0089	4.448	mg/L	0.0178	0.40%
Mo 202.031†	14.8	0.00582	mg/L	0.000557	0.01165	mg/L	0.001114	9.57%
Na 589.592†	5564.6	2.694	mg/L	0.0275	5.388	mg/L	0.0549	1.02%
Na 330.237†	19.4	2.334	mg/L	0.2636	4.669	mg/L	0.5271	11.29%
Ni 231.604†	185.0	0.1490	mg/L	0.00579	0.2979	mg/L	0.01159	3.89%
Pb 220.353†	259.8	0.05957	mg/L	0.001316	0.1191	mg/L	0.00263	2.21%
Sb 206.836†	-37.7	0.00426	mg/L	0.002115	0.00853	mg/L	0.004231	49.61%
Se 196.026†	-106.0	-0.04103	mg/L	0.001926	-0.08205	mg/L	0.003853	4.70%
Si 288.158†	3209.9	1.842	mg/L	0.0067	3.683	mg/L	0.0134	0.36%
Sn 189.927†	-19.1	-0.00880	mg/L	0.001506	-0.01759	mg/L	0.003012	17.12%
Sr 421.552†	78102.7	0.2513	mg/L	0.00049	0.5026	mg/L	0.00098	0.20%
Ti 334.903†	201914.6	9.623	mg/L	0.0465	19.25	mg/L	0.093	0.48%
Tl 190.801†	-12.3	-0.02157	mg/L	0.003379	-0.04313	mg/L	0.006759	15.67%
V 292.402†	51254.8	0.4082	mg/L	0.00062	0.8165	mg/L	0.00125	0.15%
Zn 206.200†	596.8	0.5608	mg/L	0.00149	1.122	mg/L	0.0030	0.27%

Sequence No.: 5
Sample ID: LR67 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 28
Date Collected: 10/9/2007 2:47:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 E SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

DK

Mean Data: LR67 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1863405.9	104.4	%	0.33				0.31%
ScR 361.383	162322.0	110.7	%	0.65				0.59%
Ag 328.068†	-917.5	0.00023	mg/L	0.000347	0.00045	mg/L	0.000694	152.59%
Al 308.215†	208920.8	124.5	mg/L	0.32	249.0	mg/L	0.65	0.26%
As 188.979†	104.9	0.04231	mg/L	0.003749	0.08463	mg/L	0.007498	8.86%
B 249.677†	43.9	0.03624	mg/L	0.001440	0.07248	mg/L	0.002880	3.97%
Ba 233.527†	2424.8	0.4159	mg/L	0.00470	0.8318	mg/L	0.00940	1.13%
Be 313.042†	878.2	0.00189	mg/L	0.000074	0.00379	mg/L	0.000149	3.93%
Ca 317.933†	970853.7	93.76	mg/L	0.515	187.5	mg/L	1.03	0.55%
Cd 228.802†	28.0	0.00008	mg/L	0.000046	0.00016	mg/L	0.000092	57.74%
Co 228.616†	4676.6	0.06388	mg/L	0.000282	0.1278	mg/L	0.00056	0.44%
Cr 267.716†	931.2	0.2236	mg/L	0.00261	0.4472	mg/L	0.00521	1.17%
Cu 324.752†	33992.1	0.1684	mg/L	0.00044	0.3368	mg/L	0.00087	0.26%
Fe 273.955†	217379.1	175.2	mg/L	0.36	350.3	mg/L	0.72	0.21%
K 766.490†	8869.2	6.498	mg/L	0.0889	13.00	mg/L	0.178	1.37%
Mg 279.077†	87649.6	69.80	mg/L	0.579	139.6	mg/L	1.16	0.83%
Mn 257.610†	72105.6	2.459	mg/L	0.0201	4.918	mg/L	0.0401	0.82%
Mo 202.031†	26.6	0.00737	mg/L	0.001416	0.01475	mg/L	0.002831	19.20%
Na 589.592†	5285.2	2.559	mg/L	0.0147	5.117	mg/L	0.0294	0.57%
Na 330.237†	23.1	2.697	mg/L	0.2373	5.394	mg/L	0.4746	8.80%
Ni 231.604†	184.1	0.1482	mg/L	0.00132	0.2964	mg/L	0.00264	0.89%
Pb 220.353†	-24.4	0.02186	mg/L	0.000462	0.04371	mg/L	0.000925	2.12%
Sb 206.836†	-39.9	0.00545	mg/L	0.004412	0.01091	mg/L	0.008823	80.90%
Se 196.026†	-107.9	-0.03761	mg/L	0.007783	-0.07521	mg/L	0.015565	20.70%
Si 288.158†	3086.0	1.771	mg/L	0.0367	3.541	mg/L	0.0733	2.07%
Sn 189.927†	-18.2	-0.00798	mg/L	0.000406	-0.01597	mg/L	0.000812	5.08%
Sr 421.552†	90635.7	0.2919	mg/L	0.00143	0.5838	mg/L	0.00287	0.49%
Ti 334.903†	221309.8	10.55	mg/L	0.042	21.10	mg/L	0.084	0.40%
Tl 190.801†	-7.0	-0.02048	mg/L	0.003746	-0.04095	mg/L	0.007492	18.30%
V 292.402†	55568.2	0.4431	mg/L	0.00192	0.8861	mg/L	0.00384	0.43%
Zn 206.200†	334.8	0.3161	mg/L	0.00169	0.6322	mg/L	0.00338	0.53%

Sequence No.: 6
Sample ID: LR67 F SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 29
Date Collected: 10/9/2007 2:54:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 F SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1872786.9	104.9	%	0.59				0.57%
ScR 361.383	162921.1	111.1	%	0.76				0.68%
Ag 328.068†	-963.6	0.00018	mg/L	0.000432	0.00036	mg/L	0.000865	236.98%
Al 308.215†	210393.6	125.4	mg/L	0.11	250.8	mg/L	0.23	0.09%
As 188.979†	104.5	0.04269	mg/L	0.003370	0.08538	mg/L	0.006740	7.89%
B 249.677†	36.7	0.03311	mg/L	0.001024	0.06622	mg/L	0.002048	3.09%
Ba 233.527†	1416.5	0.2399	mg/L	0.00189	0.4798	mg/L	0.00378	0.79%
Be 313.042†	852.0	0.00173	mg/L	0.000165	0.00347	mg/L	0.000330	9.51%
Ca 317.933†	826753.7	79.84	mg/L	0.352	159.7	mg/L	0.70	0.44%
Cd 228.802†	66.5	0.00100	mg/L	0.000135	0.00201	mg/L	0.000271	13.50%
Co 228.616†	4564.6	0.06169	mg/L	0.000558	0.1234	mg/L	0.00112	0.90%
Cr 267.716†	1868.4	0.4457	mg/L	0.00415	0.8914	mg/L	0.00829	0.93%
Cu 324.752†	37156.3	0.1834	mg/L	0.00013	0.3668	mg/L	0.00027	0.07%
Fe 273.955†	226174.4	182.2	mg/L	0.12	364.5	mg/L	0.25	0.07%
K 766.490†	8485.4	6.217	mg/L	0.0060	12.43	mg/L	0.012	0.10%
Mg 279.077†	105823.7	84.28	mg/L	0.148	168.6	mg/L	0.30	0.18%
Mn 257.610†	71469.5	2.437	mg/L	0.0033	4.874	mg/L	0.0067	0.14%
Mo 202.031†	20.1	0.00683	mg/L	0.001493	0.01365	mg/L	0.002986	21.87%
Na 589.592†	5660.0	2.740	mg/L	0.0191	5.480	mg/L	0.0382	0.70%
Na 330.237†	26.3	2.686	mg/L	0.2969	5.372	mg/L	0.5937	11.05%
Ni 231.604†	209.0	0.1682	mg/L	0.00226	0.3365	mg/L	0.00451	1.34%
Pb 220.353†	1098.3	0.1808	mg/L	0.00186	0.3617	mg/L	0.00371	1.03%
Sb 206.836†	-39.0	0.00267	mg/L	0.000225	0.00534	mg/L	0.000450	8.42%
Se 196.026†	-102.1	-0.03272	mg/L	0.005895	-0.06543	mg/L	0.011790	18.02%
Si 288.158†	3270.4	1.876	mg/L	0.0241	3.753	mg/L	0.0483	1.29%
Sn 189.927†	-14.3	-0.00678	mg/L	0.000520	-0.01356	mg/L	0.001041	7.68%
Sr 421.552†	90827.9	0.2924	mg/L	0.00199	0.5848	mg/L	0.00399	0.68%
Ti 334.903†	221368.3	10.55	mg/L	0.010	21.10	mg/L	0.021	0.10%
Tl 190.801†	-11.9	-0.02303	mg/L	0.002801	-0.04605	mg/L	0.005603	12.17%
V 292.402†	59029.2	0.4729	mg/L	0.00071	0.9459	mg/L	0.00143	0.15%
Zn 206.200†	796.8	0.7483	mg/L	0.00593	1.497	mg/L	0.0119	0.79%

Sequence No.: 7
Sample ID: LR67 ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 30
Date Collected: 10/9/2007 3:00:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 ADUP SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

rerun

Mean Data: LR67 ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1840542.5	103.1	%	0.35				0.34%
ScR 361.383	158560.9	108.1	%	1.00				0.92%
Ag 328.068†	269.2	0.01740	mg/L	0.000997	0.03480	mg/L	0.001994	5.73%
Al 308.215†	98362.2	58.62	mg/L	0.323	117.2	mg/L	0.65	0.55%
As 188.979†	253.6	0.1934	mg/L	0.00621	0.3867	mg/L	0.01242	3.21%
B 249.677†	635.6	0.3569	mg/L	0.00132	0.7137	mg/L	0.00264	0.37%
Ba 233.527†	8847.8	1.525	mg/L	0.0185	3.049	mg/L	0.0369	1.21%
Be 313.042†	232.5	0.00016	mg/L	0.000039	0.00033	mg/L	0.000079	24.23%
Ca 317.933†	470690.3	45.45	mg/L	0.185	90.91	mg/L	0.370	0.41%
Cd 228.802†	9831.6	0.2333	mg/L	0.00150	0.4666	mg/L	0.00300	0.64%
Co 228.616†	4297.5	0.06405	mg/L	0.000472	0.1281	mg/L	0.00094	0.74%
Cr 267.716†	2316.7	0.5578	mg/L	0.00603	1.116	mg/L	0.0121	1.08%
Cu 324.752†	702577.2	3.232	mg/L	0.0007	6.465	mg/L	0.0014	0.02%
Fe 273.955†	585815.2	472.0	mg/L	1.11	944.1	mg/L	2.22	0.23%
K 766.490†	6025.1	4.414	mg/L	0.0707	8.828	mg/L	0.1415	1.60%
Mg 279.077†	38412.1	30.44	mg/L	0.105	60.87	mg/L	0.209	0.34%
Mn 257.610†	69905.8	2.396	mg/L	0.0095	4.791	mg/L	0.0190	0.40%
Mo 202.031†	133.6	0.02247	mg/L	0.000925	0.04495	mg/L	0.001851	4.12%
Na 589.592†	4707.3	2.279	mg/L	0.0195	4.558	mg/L	0.0389	0.85%
Na 330.237†	485.9	-1.401	mg/L	1.0601	-2.803	mg/L	2.1201	75.64%
Ni 231.604†	385.0	0.3098	mg/L	0.00537	0.6195	mg/L	0.01074	1.73%
Pb 220.353†	110922.7	15.68	mg/L	0.022	31.35	mg/L	0.044	0.14%
Sb 206.836†	91.0	0.06061	mg/L	0.003569	0.1212	mg/L	0.00714	5.89%
Se 196.026†	-165.0	-0.05358	mg/L	0.010624	-0.1072	mg/L	0.02125	19.83%
Si 288.158†	1686.3	0.9678	mg/L	0.01089	1.936	mg/L	0.0218	1.13%
Sn 189.927†	738.6	0.1933	mg/L	0.00212	0.3866	mg/L	0.00424	1.10%
Sr 421.552†	44209.8	0.1387	mg/L	0.00104	0.2774	mg/L	0.00209	0.75%
Ti 334.903†	91601.6	4.366	mg/L	0.0211	8.731	mg/L	0.0423	0.48%
Tl 190.801†	-56.8	-0.03563	mg/L	0.001542	-0.07127	mg/L	0.003084	4.33%
V 292.402†	31010.0	0.2224	mg/L	0.00049	0.4447	mg/L	0.00097	0.22%
Zn 206.200†	48573.6	45.49	mg/L	0.208	90.99	mg/L	0.416	0.46%

User canceled analysis.

Analysis Begun

Start Time: 10/9/2007 3:08:08 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/9/2007 10:26:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1009A.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 8
Sample ID: LR67 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: ~~2X~~ 5X BLW 10.9
Autosampler Location: 31
Date Collected: 10/9/2007 3:08:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

DK

Nebulizer Parameters: LR67 A SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1834801.5	102.8	%	0.29				0.28%
ScR 361.383	157533.8	107.4	%	0.33				0.31%
Ag 328.068†	433.7	0.00945	mg/L	0.000478	0.01889	mg/L	0.000957	5.06%
Al 308.215†	40411.5	24.08	mg/L	0.073	48.17	mg/L	0.146	0.30%
As 188.979†	112.3	0.08623	mg/L	0.003146	0.1725	mg/L	0.00629	3.65%
B 249.677†	289.2	0.1614	mg/L	0.00326	0.3228	mg/L	0.00652	2.02%
Ba 233.527†	4174.7	0.7201	mg/L	0.00446	1.440	mg/L	0.0089	0.62%
Be 313.042†	91.8	0.00006	mg/L	0.000040	0.00012	mg/L	0.000081	67.86%
Ca 317.933†	203741.1	19.68	mg/L	0.024	39.35	mg/L	0.048	0.12%
Cd 228.802†	4122.8	0.09781	mg/L	0.000365	0.1956	mg/L	0.00073	0.37%
Co 228.616†	1932.8	0.02935	mg/L	0.000031	0.05870	mg/L	0.000062	0.10%
Cr 267.716†	1016.9	0.2447	mg/L	0.00139	0.4895	mg/L	0.00278	0.57%
Cu 324.752†	290709.0	1.338	mg/L	0.0025	2.676	mg/L	0.0050	0.19%
Fe 273.955†	252029.1	203.1	mg/L	0.32	406.2	mg/L	0.64	0.16%
K 766.490†	2336.3	1.712	mg/L	0.0017	3.423	mg/L	0.0033	0.10%
Mg 279.077†	15672.2	12.41	mg/L	0.034	24.83	mg/L	0.068	0.27%
Mn 257.610†	29695.1	1.018	mg/L	0.0040	2.036	mg/L	0.0079	0.39%
Mo 202.031†	80.0	0.01316	mg/L	0.000789	0.02631	mg/L	0.001579	6.00%
Na 589.592†	2052.0	0.9934	mg/L	0.00459	1.987	mg/L	0.0092	0.46%
Na 330.237†	201.0	-0.9954	mg/L	0.23484	-1.991	mg/L	0.4697	23.59%
Ni 231.604†	152.7	0.1229	mg/L	0.00168	0.2458	mg/L	0.00335	1.36%
Pb 220.353†	50789.3	7.178	mg/L	0.0148	14.36	mg/L	0.030	0.21%
Sb 206.836†	32.7	0.02256	mg/L	0.002629	0.04512	mg/L	0.005257	11.65%
Se 196.026†	-74.5	-0.02627	mg/L	0.001497	-0.05254	mg/L	0.002995	5.70%
Si 288.158†	635.3	0.3646	mg/L	0.00451	0.7293	mg/L	0.00901	1.24%
Sn 189.927†	260.5	0.06599	mg/L	0.000634	0.1320	mg/L	0.00127	0.96%
Sr 421.552†	19894.5	0.06251	mg/L	0.000377	0.1250	mg/L	0.00075	0.60%
Ti 334.903†	37029.1	1.765	mg/L	0.0029	3.530	mg/L	0.0058	0.16%
Tl 190.801†	-21.5	-0.01377	mg/L	0.002275	-0.02753	mg/L	0.004549	16.52%
V 292.402†	12456.4	0.08842	mg/L	0.000442	0.1768	mg/L	0.00088	0.50%
Zn 206.200†	20942.5	19.61	mg/L	0.039	39.23	mg/L	0.079	0.20%

Sequence No.: 9
Sample ID: LR67 ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: ~~2X~~ 5X 10.9

Autosampler Location: 32
Date Collected: 10/9/2007 3:14:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 ASPK SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1831492.7	102.6	%	0.35				0.34%
ScR 361.383	156560.4	106.7	%	1.22				1.15%
Ag 328.068†	32562.7	0.2070	mg/L	0.00079	0.4140	mg/L	0.00158	0.38%
Al 308.215†	41895.3	24.97	mg/L	0.075	49.93	mg/L	0.149	0.30%
As 188.979†	1010.8	0.8457	mg/L	0.00641	1.691	mg/L	0.0128	0.76%
B 249.677†	265.6	0.1477	mg/L	0.00432	0.2953	mg/L	0.00865	2.93%
Ba 233.527†	7641.2	1.325	mg/L	0.0169	2.650	mg/L	0.0337	1.27%
Be 313.042†	55274.0	0.1972	mg/L	0.00127	0.3944	mg/L	0.00255	0.65%
Ca 317.933†	230495.3	22.26	mg/L	0.103	44.52	mg/L	0.207	0.46%
Cd 228.802†	12120.3	0.2838	mg/L	0.00168	0.5675	mg/L	0.00335	0.59%
Co 228.616†	11643.8	0.2127	mg/L	0.00130	0.4254	mg/L	0.00260	0.61%
Cr 267.716†	1700.4	0.4063	mg/L	0.00595	0.8126	mg/L	0.01191	1.47%
Cu 324.752†	309405.7	1.422	mg/L	0.0016	2.843	mg/L	0.0032	0.11%
Fe 273.955†	231744.1	186.7	mg/L	0.54	373.5	mg/L	1.09	0.29%
K 766.490†	7575.9	5.550	mg/L	0.0064	11.10	mg/L	0.013	0.11%
Mg 279.077†	19942.9	15.82	mg/L	0.017	31.65	mg/L	0.034	0.11%
Mn 257.610†	33341.1	1.142	mg/L	0.0016	2.284	mg/L	0.0033	0.14%
Mo 202.031†	65.1	0.01075	mg/L	0.000177	0.02150	mg/L	0.000353	1.64%
Na 589.592†	10092.3	4.886	mg/L	0.0222	9.772	mg/L	0.0444	0.45%
Na 330.237†	275.8	2.955	mg/L	0.5217	5.911	mg/L	1.0434	17.65%
Ni 231.604†	370.4	0.2983	mg/L	0.00462	0.5966	mg/L	0.00925	1.55%
Pb 220.353†	45443.8	6.423	mg/L	0.0096	12.85	mg/L	0.019	0.15%
Sb 206.836†	477.8	0.2289	mg/L	0.00368	0.4578	mg/L	0.00735	1.61%
Se 196.026†	774.7	0.7239	mg/L	0.00687	1.448	mg/L	0.0137	0.95%
Si 288.158†	651.5	0.3740	mg/L	0.00205	0.7481	mg/L	0.00411	0.55%
Sn 189.927†	216.9	0.05419	mg/L	0.001612	0.1084	mg/L	0.00322	2.98%
Sr 421.552†	76703.7	0.2468	mg/L	0.00105	0.4936	mg/L	0.00209	0.42%
Ti 334.903†	29171.9	1.390	mg/L	0.0077	2.780	mg/L	0.0153	0.55%
Tl 190.801†	1559.4	0.7358	mg/L	0.00378	1.472	mg/L	0.0076	0.51%
V 292.402†	34428.3	0.2746	mg/L	0.00092	0.5492	mg/L	0.00184	0.34%
Zn 206.200†	19274.8	18.05	mg/L	0.046	36.11	mg/L	0.093	0.26%

Sequence No.: 10
Sample ID: LR67 MBSPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 33
Date Collected: 10/9/2007 3:20:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 MBSPK SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 MBSPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1831798.4	102.6	%	0.42				0.41%
ScR 361.383	155364.7	105.9	%	1.16				1.09%
Ag 328.068†	93.0	0.00057	mg/L	0.000186	0.00115	mg/L	0.000372	32.40%
Al 308.215†	11.6	0.00691	mg/L	0.005700	0.01382	mg/L	0.011401	82.50%
As 188.979†	8.2	0.00689	mg/L	0.001283	0.01378	mg/L	0.002567	18.63%
B 249.677†	8.4	0.00420	mg/L	0.000430	0.00839	mg/L	0.000860	10.25%
Ba 233.527†	5.0	0.00087	mg/L	0.000873	0.00173	mg/L	0.001746	100.70%
Be 313.042†	60.0	0.00021	mg/L	0.000053	0.00043	mg/L	0.000107	24.78%
Ca 317.933†	171.2	0.01654	mg/L	0.001551	0.03307	mg/L	0.003102	9.38%
Cd 228.802†	6.9	0.00012	mg/L	0.000038	0.00024	mg/L	0.000075	31.04%
Co 228.616†	18.6	0.00035	mg/L	0.000114	0.00070	mg/L	0.000227	32.35%
Cr 267.716†	1.9	0.00046	mg/L	0.001309	0.00091	mg/L	0.002617	287.06%
Cu 324.752†	246.3	0.00112	mg/L	0.000161	0.00224	mg/L	0.000322	14.41%
Fe 273.955†	9.9	0.00799	mg/L	0.003249	0.01599	mg/L	0.006498	40.65%
K 766.490†	-5.3	-0.00386	mg/L	0.023694	-0.00773	mg/L	0.047388	613.40%
Mg 279.077†	15.0	0.01192	mg/L	0.004549	0.02384	mg/L	0.009098	38.17%
Mn 257.610†	9.0	0.00031	mg/L	0.000164	0.00062	mg/L	0.000329	53.16%
Mo 202.031†	-1.2	-0.00018	mg/L	0.000626	-0.00036	mg/L	0.001252	344.10%
Na 589.592†	39.8	0.01925	mg/L	0.003875	0.03850	mg/L	0.007750	20.13%
Na 330.237†	-30.1	-1.333	mg/L	0.6869	-2.665	mg/L	1.3738	51.55%
Ni 231.604†	3.2	0.00254	mg/L	0.001337	0.00509	mg/L	0.002675	52.59%
Pb 220.353†	30.5	0.00431	mg/L	0.001974	0.00862	mg/L	0.003947	45.78%
Sb 206.836†	-2.1	-0.00095	mg/L	0.001368	-0.00190	mg/L	0.002736	143.90%
Se 196.026†	1.8	0.00163	mg/L	0.002366	0.00327	mg/L	0.004732	144.86%
Si 288.158†	31.7	0.01816	mg/L	0.001053	0.03633	mg/L	0.002106	5.80%
Sn 189.927†	6.9	0.00205	mg/L	0.000119	0.00410	mg/L	0.000238	5.81%
Sr 421.552†	-80.7	-0.00026	mg/L	0.000083	-0.00052	mg/L	0.000166	31.62%
Ti 334.903†	-34.8	-0.00166	mg/L	0.000471	-0.00331	mg/L	0.000942	28.41%
Tl 190.801†	2.7	0.00130	mg/L	0.002576	0.00261	mg/L	0.005153	197.65%
V 292.402†	-6.6	-0.00005	mg/L	0.000147	-0.00010	mg/L	0.000294	283.69%
Zn 206.200†	55.9	0.05235	mg/L	0.002493	0.1047	mg/L	0.00499	4.76%

Sequence No.: 11
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 3:27:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1798171.8	100.8	%	0.70				0.69%
ScR 361.383	155070.6	105.7	%	0.64				0.61%
Ag 328.068†	161640.1	0.9968	mg/L	0.01326	0.9968	mg/L	0.01326	1.33%
Al 308.215†	3321.5	1.941	mg/L	0.0063	1.941	mg/L	0.0063	0.32%
As 188.979†	2396.6	2.022	mg/L	0.0034	2.022	mg/L	0.0034	0.17%
B 249.677†	1968.7	0.9833	mg/L	0.00827	0.9833	mg/L	0.00827	0.84%
Ba 233.527†	5653.6	0.9853	mg/L	0.00338	0.9853	mg/L	0.00338	0.34%
Be 313.042†	282236.7	1.008	mg/L	0.0017	1.008	mg/L	0.0017	0.17%
Ca 317.933†	21359.3	2.062	mg/L	0.0102	2.062	mg/L	0.0102	0.49%
Cd 228.802†	42520.0	1.002	mg/L	0.0177	1.002	mg/L	0.0177	1.76%
Co 228.616†	51756.0	0.9711	mg/L	0.01607	0.9711	mg/L	0.01607	1.65%
Cr 267.716†	4161.5	0.9856	mg/L	0.00301	0.9856	mg/L	0.00301	0.31%
Cu 324.752†	229779.2	1.043	mg/L	0.0146	1.043	mg/L	0.0146	1.40%
Fe 273.955†	2530.3	2.036	mg/L	0.0039	2.036	mg/L	0.0039	0.19%
K 766.490†	27399.4	20.07	mg/L	0.129	20.07	mg/L	0.129	0.64%
Mg 279.077†	2625.7	2.096	mg/L	0.0099	2.096	mg/L	0.0099	0.47%
Mn 257.610†	28565.8	0.9758	mg/L	0.00280	0.9758	mg/L	0.00280	0.29%
Mo 202.031†	6089.8	0.9596	mg/L	0.00604	0.9596	mg/L	0.00604	0.63%
Na 589.592†	101040.5	48.92	mg/L	0.302	48.92	mg/L	0.302	0.62%
Na 330.237†	1154.2	49.63	mg/L	0.140	49.63	mg/L	0.140	0.28%
Ni 231.604†	1240.7	1.001	mg/L	0.0050	1.001	mg/L	0.0050	0.50%
Pb 220.353†	14371.9	2.035	mg/L	0.0310	2.035	mg/L	0.0310	1.52%
Sb 206.836†	4273.9	2.008	mg/L	0.0114	2.008	mg/L	0.0114	0.57%
Se 196.026†	2226.8	1.973	mg/L	0.0099	1.973	mg/L	0.0099	0.50%
Si 288.158†	3573.2	2.053	mg/L	0.0113	2.053	mg/L	0.0113	0.55%
Sn 189.927†	3066.4	0.9164	mg/L	0.00459	0.9164	mg/L	0.00459	0.50%
Sr 421.552†	296359.5	0.9608	mg/L	0.00407	0.9608	mg/L	0.00407	0.42%
Ti 334.903†	20881.5	0.9942	mg/L	0.00609	0.9942	mg/L	0.00609	0.61%
Tl 190.801†	4151.7	1.960	mg/L	0.0061	1.960	mg/L	0.0061	0.31%
V 292.402†	116620.3	0.9850	mg/L	0.01451	0.9850	mg/L	0.01451	1.47%
Zn 206.200†	1130.2	1.058	mg/L	0.0070	1.058	mg/L	0.0070	0.66%

Sequence No.: 12
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 3:33:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	157.0 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	1813196.9	101.6	%	0.49				0.48%
ScR 361.383	153245.8	104.5	%	0.27				0.25%
Ag 328.068†	177.1	0.00109	mg/L	0.000580	0.00109	mg/L	0.000580	53.14%
Al 308.215†	-7.4	-0.00444	mg/L	0.008757	-0.00444	mg/L	0.008757	197.19%
As 188.979†	13.0	0.01099	mg/L	0.003239	0.01099	mg/L	0.003239	29.47%
B 249.677†	19.0	0.00950	mg/L	0.003229	0.00950	mg/L	0.003229	34.00%
Ba 233.527†	-0.1	-0.00002	mg/L	0.000368	-0.00002	mg/L	0.000368	>999.9%
Be 313.042†	48.8	0.00017	mg/L	0.000045	0.00017	mg/L	0.000045	25.67%
Ca 317.933†	29.6	0.00286	mg/L	0.003129	0.00286	mg/L	0.003129	109.56%
Cd 228.802†	6.5	0.00008	mg/L	0.000081	0.00008	mg/L	0.000081	95.78%
Co 228.616†	20.9	0.00039	mg/L	0.000138	0.00039	mg/L	0.000138	35.06%
Cr 267.716†	-0.3	-0.00007	mg/L	0.001066	-0.00007	mg/L	0.001066	>999.9%
Cu 324.752†	228.4	0.00104	mg/L	0.000082	0.00104	mg/L	0.000082	7.90%
Fe 273.955†	-4.4	-0.00355	mg/L	0.001621	-0.00355	mg/L	0.001621	45.66%
K 766.490†	46.9	0.03439	mg/L	0.029319	0.03439	mg/L	0.029319	85.26%
Mg 279.077†	15.1	0.01207	mg/L	0.008518	0.01207	mg/L	0.008518	70.58%
Mn 257.610†	3.0	0.00010	mg/L	0.000143	0.00010	mg/L	0.000143	137.41%
Mo 202.031†	2.9	0.00046	mg/L	0.000494	0.00046	mg/L	0.000494	107.61%
Na 589.592†	26.3	0.01273	mg/L	0.004461	0.01273	mg/L	0.004461	35.03%
Na 330.237†	-5.4	-0.2408	mg/L	0.26760	-0.2408	mg/L	0.26760	111.11%
Ni 231.604†	0.4	0.00034	mg/L	0.003697	0.00034	mg/L	0.003697	>999.9%
Pb 220.353†	21.4	0.00303	mg/L	0.001172	0.00303	mg/L	0.001172	38.70%
Sb 206.836†	-6.5	-0.00304	mg/L	0.002239	-0.00304	mg/L	0.002239	73.68%
Se 196.026†	-6.8	-0.00605	mg/L	0.002431	-0.00605	mg/L	0.002431	40.16%
Si 288.158†	-9.0	-0.00518	mg/L	0.001341	-0.00518	mg/L	0.001341	25.92%
Sn 189.927†	6.9	0.00207	mg/L	0.000759	0.00207	mg/L	0.000759	36.67%
Sr 421.552†	-199.0	-0.00065	mg/L	0.000186	-0.00065	mg/L	0.000186	28.84%
Ti 334.903†	6.9	0.00033	mg/L	0.001560	0.00033	mg/L	0.001560	476.97%
Tl 190.801†	6.6	0.00315	mg/L	0.002680	0.00315	mg/L	0.002680	85.20%
V 292.402†	47.8	0.00040	mg/L	0.000158	0.00040	mg/L	0.000158	39.41%
Zn 206.200†	17.6	0.01651	mg/L	0.002041	0.01651	mg/L	0.002041	12.36%

User canceled analysis.

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Analysis Begun

Start Time: 10/9/2007 3:44:26 PM **Plasma On Time: 10/9/2007 10:26:33 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\1009A.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 11 **Autosampler Location: 7**
Sample ID: CV **Date Collected: 10/9/2007 3:44:26 PM**
Analyst: BLW **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1776552.7	99.55	%	0.766				0.77%
ScR 361.383	150653.3	102.7	%	0.76				0.74%
Ag 328.068†	163405.1	1.008	mg/L	0.0114	1.008	mg/L	0.0114	1.13%
Al 308.215†	3340.6	1.952	mg/L	0.0131	1.952	mg/L	0.0131	0.67%
As 188.979†	2410.1	2.034	mg/L	0.0193	2.034	mg/L	0.0193	0.95%
B 249.677†	1932.1	0.9650	mg/L	0.00320	0.9650	mg/L	0.00320	0.33%
Ba 233.527†	5539.0	0.9653	mg/L	0.00417	0.9653	mg/L	0.00417	0.43%
Be 313.042†	275908.0	0.9855	mg/L	0.00838	0.9855	mg/L	0.00838	0.85%
Ca 317.933†	21301.2	2.057	mg/L	0.0150	2.057	mg/L	0.0150	0.73%
Cd 228.802†	43247.9	1.019	mg/L	0.0073	1.019	mg/L	0.0073	0.71%
Co 228.616†	52313.5	0.9816	mg/L	0.00995	0.9816	mg/L	0.00995	1.01%
Cr 267.716†	4051.8	0.9596	mg/L	0.00598	0.9596	mg/L	0.00598	0.62%
Cu 324.752†	232299.9	1.054	mg/L	0.0111	1.054	mg/L	0.0111	1.05%
Fe 273.955†	2453.4	1.974	mg/L	0.0093	1.974	mg/L	0.0093	0.47%
K 766.490†	27972.6	20.49	mg/L	0.206	20.49	mg/L	0.206	1.01%
Mg 279.077†	2536.8	2.025	mg/L	0.0134	2.025	mg/L	0.0134	0.66%
Mn 257.610†	28183.6	0.9628	mg/L	0.00367	0.9628	mg/L	0.00367	0.38%
Mo 202.031†	6148.1	0.9687	mg/L	0.00988	0.9687	mg/L	0.00988	1.02%
Na 589.592†	102630.5	49.69	mg/L	0.370	49.69	mg/L	0.370	0.74%
Na 330.237†	1184.4	50.97	mg/L	0.342	50.97	mg/L	0.342	0.67%
Ni 231.604†	1204.3	0.9716	mg/L	0.00162	0.9716	mg/L	0.00162	0.17%
Pb 220.353†	14542.5	2.059	mg/L	0.0216	2.059	mg/L	0.0216	1.05%
Sb 206.836†	4313.7	2.027	mg/L	0.0238	2.027	mg/L	0.0238	1.17%
Se 196.026†	2241.3	1.986	mg/L	0.0170	1.986	mg/L	0.0170	0.86%
Si 288.158†	3550.2	2.039	mg/L	0.0128	2.039	mg/L	0.0128	0.63%
Sn 189.927†	3089.1	0.9232	mg/L	0.00981	0.9232	mg/L	0.00981	1.06%
Sr 421.552†	298651.5	0.9682	mg/L	0.00725	0.9682	mg/L	0.00725	0.75%
Ti 334.903†	20774.4	0.9891	mg/L	0.00800	0.9891	mg/L	0.00800	0.81%
Tl 190.801†	4166.8	1.967	mg/L	0.0203	1.967	mg/L	0.0203	1.03%
V 292.402†	118140.9	0.9975	mg/L	0.01012	0.9975	mg/L	0.01012	1.01%
Zn 206.200†	1074.4	1.006	mg/L	0.0045	1.006	mg/L	0.0045	0.45%

Sequence No.: 12
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 3:51:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	157.0 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.	RSD
ScA 357.253	1810876.7	101.5	%	0.30				0.30%
ScR 361.383	154052.7	105.0	%	0.54				0.52%
Ag 328.068†	120.8	0.00074	mg/L	0.000237	0.00074	mg/L	0.000237	31.82%
Al 308.215†	13.5	0.00799	mg/L	0.019828	0.00799	mg/L	0.019828	248.02%
As 188.979†	4.6	0.00388	mg/L	0.000735	0.00388	mg/L	0.000735	18.97%
B 249.677†	19.6	0.00983	mg/L	0.004092	0.00983	mg/L	0.004092	41.64%
Ba 233.527†	2.3	0.00040	mg/L	0.000314	0.00040	mg/L	0.000314	79.50%
Be 313.042†	29.7	0.00011	mg/L	0.000107	0.00011	mg/L	0.000107	100.63%
Ca 317.933†	35.6	0.00344	mg/L	0.002176	0.00344	mg/L	0.002176	63.33%
Cd 228.802†	6.1	0.00012	mg/L	0.000179	0.00012	mg/L	0.000179	149.71%
Co 228.616†	9.8	0.00018	mg/L	0.000210	0.00018	mg/L	0.000210	114.96%
Cr 267.716†	2.5	0.00060	mg/L	0.000739	0.00060	mg/L	0.000739	122.42%
Cu 324.752†	76.2	0.00035	mg/L	0.000109	0.00035	mg/L	0.000109	31.61%
Fe 273.955†	2.6	0.00210	mg/L	0.005404	0.00210	mg/L	0.005404	256.71%
K 766.490†	32.7	0.02395	mg/L	0.056870	0.02395	mg/L	0.056870	237.41%
Mg 279.077†	2.3	0.00180	mg/L	0.011265	0.00180	mg/L	0.011265	626.57%
Mn 257.610†	1.1	0.00004	mg/L	0.000158	0.00004	mg/L	0.000158	402.93%
Mo 202.031†	5.5	0.00086	mg/L	0.000417	0.00086	mg/L	0.000417	48.56%
Na 589.592†	55.0	0.02664	mg/L	0.007156	0.02664	mg/L	0.007156	26.86%
Na 330.237†	-12.5	-0.5455	mg/L	0.25647	-0.5455	mg/L	0.25647	47.01%
Ni 231.604†	-3.4	-0.00274	mg/L	0.003065	-0.00274	mg/L	0.003065	111.67%
Pb 220.353†	8.2	0.00117	mg/L	0.001038	0.00117	mg/L	0.001038	88.71%
Sb 206.836†	-3.4	-0.00157	mg/L	0.002056	-0.00157	mg/L	0.002056	131.35%
Se 196.026†	-4.5	-0.00401	mg/L	0.005604	-0.00401	mg/L	0.005604	139.73%
Si 288.158†	-3.3	-0.00187	mg/L	0.008353	-0.00187	mg/L	0.008353	447.68%
Sn 189.927†	8.6	0.00257	mg/L	0.000642	0.00257	mg/L	0.000642	24.94%
Sr 421.552†	-109.6	-0.00036	mg/L	0.000093	-0.00036	mg/L	0.000093	26.20%
Ti 334.903†	16.7	0.00079	mg/L	0.000903	0.00079	mg/L	0.000903	113.76%
Tl 190.801†	10.5	0.00500	mg/L	0.002689	0.00500	mg/L	0.002689	53.84%
V 292.402†	12.1	0.00011	mg/L	0.000219	0.00011	mg/L	0.000219	200.49%
Zn 206.200†	9.6	0.00902	mg/L	0.001527	0.00902	mg/L	0.001527	16.92%

Sequence No.: 13
Sample ID: LR67 L SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 34
Date Collected: 10/9/2007 3:57:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 L SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 L SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1850875.4	103.7	%	0.61				0.58%
ScR 361.383	159149.2	108.5	%	0.05				0.05%
Ag 328.068†	-822.1	0.00000	mg/L	0.000305	0.00001	mg/L	0.000610	>999.9%
Al 308.215†	173132.0	103.2	mg/L	0.20	206.4	mg/L	0.39	0.19%
As 188.979†	94.0	0.04185	mg/L	0.002325	0.08370	mg/L	0.004649	5.55%
B 249.677†	40.8	0.03273	mg/L	0.001359	0.06545	mg/L	0.002719	4.15%
Ba 233.527†	1478.6	0.2519	mg/L	0.00046	0.5039	mg/L	0.00092	0.18%
Be 313.042†	651.6	0.00135	mg/L	0.000016	0.00270	mg/L	0.000031	1.15%
Ca 317.933†	1094721.3	105.7	mg/L	0.26	211.4	mg/L	0.52	0.24%
Cd 228.802†	49.2	0.00065	mg/L	0.000100	0.00130	mg/L	0.000200	15.39%
Co 228.616†	3806.7	0.05453	mg/L	0.000881	0.1091	mg/L	0.00176	1.61%
Cr 267.716†	760.6	0.1827	mg/L	0.00086	0.3654	mg/L	0.00171	0.47%
Cu 324.752†	35671.3	0.1745	mg/L	0.00055	0.3489	mg/L	0.00111	0.32%
Fe 273.955†	187518.5	151.1	mg/L	0.46	302.2	mg/L	0.91	0.30%
K 766.490†	8002.6	5.863	mg/L	0.0604	11.73	mg/L	0.121	1.03%
Mg 279.077†	81832.7	65.17	mg/L	0.139	130.3	mg/L	0.28	0.21%
Mn 257.610†	71309.6	2.432	mg/L	0.0022	4.864	mg/L	0.0044	0.09%
Mo 202.031†	37.4	0.00763	mg/L	0.001288	0.01525	mg/L	0.002575	16.88%
Na 589.592†	4823.6	2.335	mg/L	0.0092	4.670	mg/L	0.0185	0.40%
Na 330.237†	30.8	1.998	mg/L	0.2562	3.997	mg/L	0.5125	12.82%
Ni 231.604†	158.3	0.1275	mg/L	0.00312	0.2550	mg/L	0.00624	2.45%
Pb 220.353†	1696.4	0.2605	mg/L	0.00223	0.5211	mg/L	0.00447	0.86%
Sb 206.836†	-29.9	0.00261	mg/L	0.002462	0.00522	mg/L	0.004923	94.33%
Se 196.026†	-93.8	-0.03105	mg/L	0.006387	-0.06210	mg/L	0.012773	20.57%
Si 288.158†	2767.7	1.588	mg/L	0.0172	3.176	mg/L	0.0344	1.08%
Sn 189.927†	-27.7	-0.01016	mg/L	0.003209	-0.02032	mg/L	0.006419	31.58%
Sr 421.552†	91816.5	0.2960	mg/L	0.00134	0.5919	mg/L	0.00269	0.45%
Ti 334.903†	152356.8	7.261	mg/L	0.0120	14.52	mg/L	0.024	0.17%
Tl 190.801†	-14.2	-0.01974	mg/L	0.002104	-0.03947	mg/L	0.004208	10.66%
V 292.402†	44665.2	0.3564	mg/L	0.00128	0.7129	mg/L	0.00256	0.36%
Zn 206.200†	982.8	0.9234	mg/L	0.00290	1.847	mg/L	0.0058	0.31%