Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1827485.5	5916.07	0.32%	100.0	%
ScR 361.383	153044.0	3173.89	2.07%	100.0	%
Ag 328.068†	4441.5	67.84	1.53%	[0.00]	mg/L
Al 308.215†	-224.1	21.65	9.66%	[0.00]	mg/L
As 188.979†	69.6	3.59	5.16%	[0.00]	mg/L
B 249.677†	78.7	9.07	11.52%	[0.00]	mg/L
Ba 233.527†	20.8	3.03	14.60%	[0.00]	mg/L
Be 313.042†	1163.8	48.67	4.18%	[0.00]	mg/L
Ca 317.933†	231.1	6.98	3.02%	[0.00]	mg/L
Cd 228.802†	16.6	7.18	43.40%	[0.00]	mg/L
Co 228.616†	450.8	8.20	1.82%	[0.00]	mg/L
Cr 267.716†	-73.8	7.03	9.52%	[0.00]	mg/L
Cu 324.752†	2616.9	18.42	0.70%	[0.00]	mg/L
Fe 273.955†	-167.8	4.77	2.84%	[0.00]	mg/L
K 766.490†	2034.1	25.93	1.27%	[0.00]	mg/L
Mg 279.077†	-6.5	22.07	338.24%	[0.00]	mg/L
Mn 257.610†	82.3	3.24	3.94%	[0.00]	mg/L
Mo 202.031†	-130.3	1.85	1.42%	[0.00]	mg/L
Na 589.592†	373.7	26.84	7.18%	[0.00]	mg/L
Na 330.237†	97.9	23.42	23.91%	[0.00]	mg/L
Ni 231.604†	-0.4	7.11	>999.9%	[0.00]	mg/L
Pb 220.353†	274.6	4.87	1.77%	[0.00]	mg/L
Sb 206.836†	-18.7	2.73	14.64%	[0.00]	mg/L
Se 196.026†	-107.0	5.55	5.18%	[0.00]	mg/L
Si 288.158†	-53.7	15.47	28.83%	[0.00]	mg/L
Sn 189.927†	41.1	3.41	8.29%	[0.00]	mg/L
Sr 421.552†	-6756.8	105.96	1.57%	[0.00]	mg/L
Ti 334.903†	-246.5	31.94	12.95%	[0.00]	mg/L
Tl 190.801†	-52.5	0.87	1.67%	[0.00]	mg/L
V 292.402†	561.2	24.67	4.40%	[0.00]	mg/L
Zn 206.200†	-20.1	3.51	17.46%	[0.00]	mg/L

Sequence No.: 2
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/10/2007 10:44:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD2

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1845734.9	2713.13	0.15%	101.0	%
ScR 361.383	156386.2	970.78	0.62%	102.2	%
Ba 233.527†	55373.3	159.64	0.29%	[10]	mg/L
Cd 228.802†	389940.2	1641.37	0.42%	[10]	mg/L
Co 228.616†	512084.0	654.31	0.13%	[10]	mg/L
Cr 267.716†	41060.5	19.03	0.05%	[10]	mg/L
Cu 324.752†	2147579.4	1918.21	0.09%	[10]	mg/L
Mn 257.610†	292926.8	684.43	0.23%	[10]	mg/L
V 292.402†	1160212.4	2628.91	0.23%	[10]	mg/L

Sequence No.: 3
Sample ID: STD3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/10/2007 10:48:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD3

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1817685.3	18648.16	1.03%	99.46	%
ScR 361.383	156900.2	311.95	0.20%	102.5	%
Ag 328.068†	160664.0	252.04	0.16%	[1.0]	mg/L
As 188.979†	11746.6	77.18	0.66%	[10]	mg/L
B 249.677†	19197.6	76.67	0.40%	[10]	mg/L
Be 313.042†	1345815.5	901.94	0.07%	[5.0]	mg/L
Na 589.592†	100609.1	341.72	0.34%	[50]	mg/L
Ni 231.604†	12107.5	40.43	0.33%	[10]	mg/L
Pb 220.353†	68903.2	331.58	0.48%	[10]	mg/L
Se 196.026†	10590.9	34.44	0.33%	[10]	mg/L
Sr 421.552†	1459439.0	2703.62	0.19%	[5]	mg/L
Tl 190.801†	20319.4	59.67	0.29%	[10]	mg/L
Zn 206.200†	10603.5	41.81	0.39%	[10]	mg/L

Sequence No.: 4
Sample ID: STD4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/10/2007 10:53:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD4

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1852358.1	18100.28	0.98%	101.4	%
ScR 361.383	157161.9	426.50	0.27%	102.7	%
Mo 202.031†	59660.9	805.69	1.35%	[10]	mg/L
Sb 206.836†	20194.8	274.61	1.36%	[10]	mg/L
Si 288.158†	17375.7	32.07	0.18%	[10]	mg/L
Sn 189.927†	31353.6	454.25	1.45%	[10]	mg/L
Ti 334.903†	200494.7	700.38	0.35%	[10]	mg/L

Sequence No.: 5
Sample ID: STD5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 10/10/2007 10:58:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD5

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1800251.4	6482.07	0.36%	98.51	%
ScR 361.383	154267.1	956.96	0.62%	100.8	%
Al 308.215†	49026.4	56.74	0.12%	[30]	mg/L
Ca 317.933†	301177.5	572.27	0.19%	[30]	mg/L
Fe 273.955†	121183.2	229.17	0.19%	[100]	mg/L
K 766.490†	130422.4	844.42	0.65%	[100]	mg/L
Mg 279.077†	37091.3	40.29	0.11%	[30]	mg/L
Na 330.237†	2219.4	7.64	0.34%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	160700	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	1634	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1175	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	1920	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	5537	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	269200	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	10040	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	38990	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	51210	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	4106	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	214800	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	1212	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1304	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	1236	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	29290	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	5966	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	2012	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	22.19	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	1211	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	6890	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2019	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	1059	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1738	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	3135	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	291900	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	20050	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2032	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	116000	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	1060	0.00000	1.000000	

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

10/10/2007 11:18:03 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): 0.000 Slit adjustment: 0

Analysis Begun

Start Time: 10/10/2007 11:18:28 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\1010A.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 7
Sample ID: CV
Date Collected: 10/10/2007 11:18:28 AM
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	1843008.0	100.8	%	1.06				1.05%
ScR 361.383	158673.9	103.7	%	1.34				1.29%
Ag 328.068†	162115.2	1.009	mg/L	0.0133	1.009	mg/L	0.0133	1.32%
Al 308.215†	3226.6	1.935	mg/L	0.0255	1.935	mg/L	0.0255	1.32%
As 188.979†	2334.9	1.985	mg/L	0.0299	1.985	mg/L	0.0299	1.51%
B 249.677†	1863.6	0.9691	mg/L	0.01199	0.9691	mg/L	0.01199	1.24%
Ba 233.527†	5331.4	0.9627	mg/L	0.01384	0.9627	mg/L	0.01384	1.44%
Be 313.042†	265536.8	0.9842	mg/L	0.00292	0.9842	mg/L	0.00292	0.30%
Ca 317.933†	20376.0	2.029	mg/L	0.0098	2.029	mg/L	0.0098	0.48%
Cd 228.802†	39749.8	1.006	mg/L	0.0103	1.006	mg/L	0.0103	1.02%
Co 228.616†	49723.0	0.9694	mg/L	0.01374	0.9694	mg/L	0.01374	1.42%
Cr 267.716†	3957.9	0.9639	mg/L	0.01467	0.9639	mg/L	0.01467	1.52%
Cu 324.752†	227338.6	1.059	mg/L	0.0135	1.059	mg/L	0.0135	1.28%
Fe 273.955†	2400.8	1.978	mg/L	0.0262	1.978	mg/L	0.0262	1.32%
K 766.490†	26300.2	20.17	mg/L	0.121	20.17	mg/L	0.121	0.60%
Mg 279.077†	2445.8	1.981	mg/L	0.0291	1.981	mg/L	0.0291	1.47%
Mn 257.610†	28723.2	0.9817	mg/L	0.00448	0.9817	mg/L	0.00448	0.46%
Mo 202.031†	5791.9	0.9707	mg/L	0.01138	0.9707	mg/L	0.01138	1.17%
Na 589.592†	98680.2	49.04	mg/L	0.084	49.04	mg/L	0.084	0.17%
Na 330.237†	1114.1	49.86	mg/L	0.936	49.86	mg/L	0.936	1.88%
Ni 231.604†	1177.4	0.9740	mg/L	0.01462	0.9740	mg/L	0.01462	1.50%
Pb 220.353†	13880.4	2.016	mg/L	0.0259	2.016	mg/L	0.0259	1.29%
Sb 206.836†	4048.0	2.002	mg/L	0.0236	2.002	mg/L	0.0236	1.18%
Se 196.026†	2051.0	1.936	mg/L	0.0148	1.936	mg/L	0.0148	0.77%
Si 288.158†	3516.4	2.026	mg/L	0.0275	2.026	mg/L	0.0275	1.36%
Sn 189.927†	2833.4	0.9040	mg/L	0.01238	0.9040	mg/L	0.01238	1.37%
Sr 421.552†	284372.7	0.9742	mg/L	0.01193	0.9742	mg/L	0.01193	1.23%
Ti 334.903†	19861.0	0.9896	mg/L	0.00534	0.9896	mg/L	0.00534	0.54%
Tl 190.801†	3920.5	1.917	mg/L	0.0175	1.917	mg/L	0.0175	0.91%
V 292.402†	116490.2	1.015	mg/L	0.0122	1.015	mg/L	0.0122	1.20%
Zn 206.200†	1053.2	0.9928	mg/L	0.01422	0.9928	mg/L	0.01422	1.43%

Sequence No.: 2
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 11:25:02 AM
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	1845536.4	101.0	%	0.23				0.23%
ScR 361.383	157207.6	102.7	%	0.21				0.20%
Ag 328.068†	-147.9	-0.00092	mg/L	0.000206	-0.00092	mg/L	0.000206	22.36%
Al 308.215†	1.9	0.00112	mg/L	0.010277	0.00112	mg/L	0.010277	915.83%
As 188.979†	4.5	0.00380	mg/L	0.005542	0.00380	mg/L	0.005542	145.80%
B 249.677†	15.5	0.00808	mg/L	0.000579	0.00808	mg/L	0.000579	7.17%
Ba 233.527†	-1.7	-0.00031	mg/L	0.000556	-0.00031	mg/L	0.000556	182.07%
Be 313.042†	-14.8	-0.00006	mg/L	0.000093	-0.00006	mg/L	0.000093	168.48%
Ca 317.933†	-15.6	-0.00155	mg/L	0.000825	-0.00155	mg/L	0.000825	53.17%
Cd 228.802†	5.2	0.00011	mg/L	0.000147	0.00011	mg/L	0.000147	133.70%
Co 228.616†	-11.9	-0.00023	mg/L	0.000161	-0.00023	mg/L	0.000161	69.63%
Cr 267.716†	6.8	0.00166	mg/L	0.000490	0.00166	mg/L	0.000490	29.49%
Cu 324.752†	103.9	0.00048	mg/L	0.000180	0.00048	mg/L	0.000180	37.18%
Fe 273.955†	9.3	0.00768	mg/L	0.002261	0.00768	mg/L	0.002261	29.42%
K 766.490†	15.3	0.01169	mg/L	0.019751	0.01169	mg/L	0.019751	168.91%
Mg 279.077†	-7.9	-0.00641	mg/L	0.009634	-0.00641	mg/L	0.009634	150.28%
Mn 257.610†	11.0	0.00038	mg/L	0.000107	0.00038	mg/L	0.000107	28.40%
Mo 202.031†	10.3	0.00172	mg/L	0.000710	0.00172	mg/L	0.000710	41.31%
Na 589.592†	30.2	0.01501	mg/L	0.002185	0.01501	mg/L	0.002185	14.55%
Na 330.237†	2.0	0.09178	mg/L	0.651555	0.09178	mg/L	0.651555	709.89%
Ni 231.604†	1.7	0.00139	mg/L	0.002679	0.00139	mg/L	0.002679	192.31%
Pb 220.353†	10.1	0.00146	mg/L	0.001433	0.00146	mg/L	0.001433	97.87%
Sb 206.836†	1.9	0.00092	mg/L	0.001791	0.00092	mg/L	0.001791	193.98%
Se 196.026†	11.7	0.01102	mg/L	0.004207	0.01102	mg/L	0.004207	38.19%
Si 288.158†	8.2	0.00474	mg/L	0.004235	0.00474	mg/L	0.004235	89.36%
Sn 189.927†	7.6	0.00243	mg/L	0.000500	0.00243	mg/L	0.000500	20.52%
Sr 421.552†	210.2	0.00072	mg/L	0.000175	0.00072	mg/L	0.000175	24.26%
Ti 334.903†	-3.6	-0.00018	mg/L	0.000802	-0.00018	mg/L	0.000802	440.45%
Tl 190.801†	2.8	0.00136	mg/L	0.001461	0.00136	mg/L	0.001461	107.58%
V 292.402†	18.1	0.00018	mg/L	0.000055	0.00018	mg/L	0.000055	30.99%
Zn 206.200†	0.8	0.00075	mg/L	0.002186	0.00075	mg/L	0.002186	290.25%

Sequence No.: 3
Sample ID: CRI zzzzzz
Analyst: BLW
Initial Sample Wt: 10.10
Dilution: 1X

Autosampler Location: 21
Date Collected: 10/10/2007 11:31:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1847827.3	101.1	%	1.09				1.07%
ScR 361.383	157681.5	103.0	%	0.51				0.49%
Ag 328.068†	431.8	0.00269	mg/L	0.000613	0.00269	mg/L	0.000613	22.79%
Al 308.215†	87.1	0.05307	mg/L	0.002195	0.05307	mg/L	0.002195	4.14%
As 188.979†	66.3	0.05645	mg/L	0.007900	0.05645	mg/L	0.007900	13.99%
B 249.677†	42.2	0.02200	mg/L	0.002888	0.02200	mg/L	0.002888	13.13%
Ba 233.527†	16.3	0.00295	mg/L	0.000798	0.00295	mg/L	0.000798	27.08%
Be 313.042†	257.1	0.00095	mg/L	0.000029	0.00095	mg/L	0.000029	3.07%
Ca 317.933†	519.3	0.05173	mg/L	0.000524	0.05173	mg/L	0.000524	1.01%
Cd 228.802†	89.2	0.00192	mg/L	0.000079	0.00192	mg/L	0.000079	4.12%
Co 228.616†	143.0	0.00279	mg/L	0.000152	0.00279	mg/L	0.000152	5.46%
Cr 267.716†	32.2	0.00784	mg/L	0.001160	0.00784	mg/L	0.001160	14.79%
Cu 324.752†	571.8	0.00267	mg/L	0.000170	0.00267	mg/L	0.000170	6.36%
Fe 273.955†	71.3	0.05880	mg/L	0.003453	0.05880	mg/L	0.003453	5.87%
K 766.490†	685.1	0.5253	mg/L	0.04868	0.5253	mg/L	0.04868	9.27%
Mg 279.077†	58.3	0.04715	mg/L	0.006960	0.04715	mg/L	0.006960	14.76%
Mn 257.610†	41.1	0.00141	mg/L	0.000116	0.00141	mg/L	0.000116	8.22%
Mo 202.031†	37.0	0.00619	mg/L	0.000777	0.00619	mg/L	0.000777	12.54%
Na 589.592†	1063.6	0.5286	mg/L	0.01059	0.5286	mg/L	0.01059	2.00%
Na 330.237†	9.6	0.4288	mg/L	0.93060	0.4288	mg/L	0.93060	217.05%
Ni 231.604†	15.3	0.01268	mg/L	0.002535	0.01268	mg/L	0.002535	19.99%
Pb 220.353†	134.6	0.01956	mg/L	0.000895	0.01956	mg/L	0.000895	4.58%
Sb 206.836†	107.2	0.05307	mg/L	0.002030	0.05307	mg/L	0.002030	3.82%
Se 196.026†	59.7	0.05635	mg/L	0.003672	0.05635	mg/L	0.003672	6.52%
Si 288.158†	116.3	0.06696	mg/L	0.008533	0.06696	mg/L	0.008533	12.74%
Sn 189.927†	34.9	0.01113	mg/L	0.000677	0.01113	mg/L	0.000677	6.08%
Sr 421.552†	480.1	0.00164	mg/L	0.000233	0.00164	mg/L	0.000233	14.18%
Ti 334.903†	100.3	0.00500	mg/L	0.000350	0.00500	mg/L	0.000350	7.01%
Tl 190.801†	96.1	0.04726	mg/L	0.002193	0.04726	mg/L	0.002193	4.64%
V 292.402†	373.6	0.00330	mg/L	0.000031	0.00330	mg/L	0.000031	0.94%
Zn 206.200†	12.7	0.01199	mg/L	0.001934	0.01199	mg/L	0.001934	16.13%

Analysis Begun

Start Time: 10/10/2007 11:37:27 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\1010A.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 32
Autosampler Location:
Sample ID: Calib Blank 1
Date Collected: 10/10/2007 11:37:27 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

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1858548.9	10511.08	0.57%	101.7	%
ScR 361.383	156327.4	1020.56	0.65%	102.1	%
Ag 328.068†	4333.9	27.56	0.64%	[0.00]	mg/L
Al 308.215†	-211.5	4.14	1.96%	[0.00]	mg/L
As 188.979†	67.8	3.05	4.50%	[0.00]	mg/L
B 249.677†	85.2	5.78	6.78%	[0.00]	mg/L
Ba 233.527†	20.4	0.99	4.88%	[0.00]	mg/L
Be 313.042†	1156.7	4.85	0.42%	[0.00]	mg/L
Ca 317.933†	244.2	22.96	9.40%	[0.00]	mg/L
Cd 228.802†	16.0	4.05	25.38%	[0.00]	mg/L
Co 228.616†	430.5	3.14	0.73%	[0.00]	mg/L
Cr 267.716†	-70.1	0.65	0.93%	[0.00]	mg/L
Cu 324.752†	2655.1	21.99	0.83%	[0.00]	mg/L
Fe 273.955†	-158.8	3.61	2.28%	[0.00]	mg/L
K 766.490†	2004.1	31.22	1.56%	[0.00]	mg/L
Mg 279.077†	-37.0	31.04	83.88%	[0.00]	mg/L
Mn 257.610†	90.3	3.03	3.35%	[0.00]	mg/L
Mo 202.031†	-125.9	5.35	4.25%	[0.00]	mg/L
Na 589.592†	401.2	14.93	3.72%	[0.00]	mg/L
Na 330.237†	101.0	19.53	19.35%	[0.00]	mg/L
Ni 231.604†	-1.9	4.11	220.23%	[0.00]	mg/L
Pb 220.353†	275.3	8.75	3.18%	[0.00]	mg/L
Sb 206.836†	-17.2	5.58	32.51%	[0.00]	mg/L
Se 196.026†	-96.9	2.36	2.43%	[0.00]	mg/L
Si 288.158†	-57.4	5.27	9.19%	[0.00]	mg/L
Sn 189.927†	48.6	3.70	7.62%	[0.00]	mg/L
Sr 421.552†	-6568.4	38.08	0.58%	[0.00]	mg/L
Ti 334.903†	-276.7	28.18	10.18%	[0.00]	mg/L
Tl 190.801†	-57.3	3.31	5.78%	[0.00]	mg/L
V 292.402†	567.7	17.35	3.06%	[0.00]	mg/L
Zn 206.200†	-18.7	1.82	9.73%	[0.00]	mg/L

Analysis Begun

Start Time: 10/10/2007 11:42:21 AM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/10/2007 9:49:15 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1010A.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 7
Date Collected: 10/10/2007 11:42:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	155.0 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	1837910.3	100.6	%	0.22				0.22%
ScR 361.383	159145.1	104.0	%	0.67				0.64%
Ag 328.068†	162826.2	1.014	mg/L	0.0061	1.014	mg/L	0.0061	0.61%
Al 308.215†	3184.9	1.910	mg/L	0.0143	1.910	mg/L	0.0143	0.75%
As 188.979†	2351.8	1.999	mg/L	0.0135	1.999	mg/L	0.0135	0.68%
B 249.677†	1852.1	0.9632	mg/L	0.00547	0.9632	mg/L	0.00547	0.57%
Ba 233.527†	5286.6	0.9546	mg/L	0.00809	0.9546	mg/L	0.00809	0.85%
Be 313.042†	264188.9	0.9792	mg/L	0.00383	0.9792	mg/L	0.00383	0.39%
Ca 317.933†	20301.2	2.022	mg/L	0.0083	2.022	mg/L	0.0083	0.41%
Cd 228.802†	39012.2	0.9875	mg/L	0.01055	0.9875	mg/L	0.01055	1.07%
Co 228.616†	49513.8	0.9653	mg/L	0.00766	0.9653	mg/L	0.00766	0.79%
Cr 267.716†	3946.4	0.9611	mg/L	0.00804	0.9611	mg/L	0.00804	0.84%
Cu 324.752†	227213.6	1.058	mg/L	0.0076	1.058	mg/L	0.0076	0.72%
Fe 273.955†	2373.3	1.955	mg/L	0.0140	1.955	mg/L	0.0140	0.72%
K 766.490†	26100.6	20.01	mg/L	0.066	20.01	mg/L	0.066	0.33%
Mg 279.077†	2453.6	1.988	mg/L	0.0174	1.988	mg/L	0.0174	0.87%
Mn 257.610†	28830.4	0.9853	mg/L	0.00123	0.9853	mg/L	0.00123	0.12%
Mo 202.031†	5751.4	0.9640	mg/L	0.00372	0.9640	mg/L	0.00372	0.39%
Na 589.592†	99116.9	49.26	mg/L	0.146	49.26	mg/L	0.146	0.30%
Na 330.237†	1092.5	48.89	mg/L	0.525	48.89	mg/L	0.525	1.07%
Ni 231.604†	1171.7	0.9693	mg/L	0.00627	0.9693	mg/L	0.00627	0.65%
Pb 220.353†	13600.8	1.975	mg/L	0.0098	1.975	mg/L	0.0098	0.50%
Sb 206.836†	4030.3	1.994	mg/L	0.0073	1.994	mg/L	0.0073	0.36%
Se 196.026†	2027.1	1.913	mg/L	0.0150	1.913	mg/L	0.0150	0.78%
Si 288.158†	3525.1	2.031	mg/L	0.0214	2.031	mg/L	0.0214	1.05%
Sn 189.927†	2797.0	0.8924	mg/L	0.00608	0.8924	mg/L	0.00608	0.68%
Sr 421.552†	279874.2	0.9587	mg/L	0.00342	0.9587	mg/L	0.00342	0.36%
Ti 334.903†	19707.4	0.9819	mg/L	0.00450	0.9819	mg/L	0.00450	0.46%
Tl 190.801†	3926.0	1.920	mg/L	0.0066	1.920	mg/L	0.0066	0.34%
V 292.402†	116214.2	1.013	mg/L	0.0067	1.013	mg/L	0.0067	0.66%
Zn 206.200†	1043.6	0.9837	mg/L	0.00870	0.9837	mg/L	0.00870	0.88%

Sequence No.: 2
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 11:48:56 AM
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	1841003.7	100.7	%	0.37				0.37%
ScR 361.383	156961.9	102.6	%	0.95				0.93%
Ag 328.068†	25.5	0.00016	mg/L	0.000194	0.00016	mg/L	0.000194	122.16%
Al 308.215†	-12.4	-0.00759	mg/L	0.010444	-0.00759	mg/L	0.010444	137.59%
As 188.979†	6.7	0.00568	mg/L	0.002043	0.00568	mg/L	0.002043	35.97%
B 249.677†	5.1	0.00264	mg/L	0.000559	0.00264	mg/L	0.000559	21.14%
Ba 233.527†	-0.6	-0.00011	mg/L	0.000481	-0.00011	mg/L	0.000481	432.94%
Be 313.042†	17.0	0.00006	mg/L	0.000099	0.00006	mg/L	0.000099	158.36%
Ca 317.933†	-13.1	-0.00131	mg/L	0.001039	-0.00131	mg/L	0.001039	79.50%
Cd 228.802†	3.2	0.00005	mg/L	0.000126	0.00005	mg/L	0.000126	269.17%
Co 228.616†	10.7	0.00021	mg/L	0.000179	0.00021	mg/L	0.000179	85.86%
Cr 267.716†	3.9	0.00096	mg/L	0.000775	0.00096	mg/L	0.000775	80.67%
Cu 324.752†	20.1	0.00009	mg/L	0.000077	0.00009	mg/L	0.000077	82.43%
Fe 273.955†	1.3	0.00106	mg/L	0.000500	0.00106	mg/L	0.000500	47.12%
K 766.490†	72.4	0.05553	mg/L	0.014832	0.05553	mg/L	0.014832	26.71%
Mg 279.077†	31.6	0.02554	mg/L	0.015064	0.02554	mg/L	0.015064	58.99%
Mn 257.610†	5.4	0.00018	mg/L	0.000288	0.00018	mg/L	0.000288	157.35%
Mo 202.031†	3.2	0.00054	mg/L	0.000816	0.00054	mg/L	0.000816	149.95%
Na 589.592†	20.0	0.00996	mg/L	0.006582	0.00996	mg/L	0.006582	66.09%
Na 330.237†	-5.1	-0.2279	mg/L	0.69772	-0.2279	mg/L	0.69772	306.19%
Ni 231.604†	5.5	0.00451	mg/L	0.001242	0.00451	mg/L	0.001242	27.56%
Pb 220.353†	-4.7	-0.00069	mg/L	0.001546	-0.00069	mg/L	0.001546	225.59%
Sb 206.836†	1.4	0.00066	mg/L	0.000672	0.00066	mg/L	0.000672	101.82%
Se 196.026†	-2.2	-0.00207	mg/L	0.002174	-0.00207	mg/L	0.002174	105.16%
Si 288.158†	2.3	0.00135	mg/L	0.010065	0.00135	mg/L	0.010065	746.32%
Sn 189.927†	-1.1	-0.00034	mg/L	0.000316	-0.00034	mg/L	0.000316	94.38%
Sr 421.552†	1.5	0.00001	mg/L	0.000175	0.00001	mg/L	0.000175	>999.9%
Ti 334.903†	14.4	0.00072	mg/L	0.002299	0.00072	mg/L	0.002299	320.32%
Tl 190.801†	4.4	0.00219	mg/L	0.001974	0.00219	mg/L	0.001974	90.32%
V 292.402†	34.8	0.00031	mg/L	0.000069	0.00031	mg/L	0.000069	22.36%
Zn 206.200†	-0.4	-0.00036	mg/L	0.000588	-0.00036	mg/L	0.000588	163.30%

Sequence No.: 3
Sample ID: CRI
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 10/10/2007 11:55:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1848938.3	101.2	%	1.03				1.02%
ScR 361.383	158243.4	103.4	%	0.51				0.49%
Ag 328.068†	559.6	0.00348	mg/L	0.000045	0.00348	mg/L	0.000045	1.29%
Al 308.215†	73.9	0.04506	mg/L	0.011203	0.04506	mg/L	0.011203	24.86%
As 188.979†	66.8	0.05682	mg/L	0.002231	0.05682	mg/L	0.002231	3.93%
B 249.677†	34.2	0.01784	mg/L	0.004278	0.01784	mg/L	0.004278	23.98%
Ba 233.527†	15.5	0.00280	mg/L	0.000314	0.00280	mg/L	0.000314	11.22%
Be 313.042†	272.5	0.00101	mg/L	0.000025	0.00101	mg/L	0.000025	2.44%
Ca 317.933†	478.4	0.04765	mg/L	0.002705	0.04765	mg/L	0.002705	5.68%
Cd 228.802†	91.4	0.00198	mg/L	0.000042	0.00198	mg/L	0.000042	2.10%
Co 228.616†	162.8	0.00317	mg/L	0.000130	0.00317	mg/L	0.000130	4.12%
Cr 267.716†	22.3	0.00543	mg/L	0.000483	0.00543	mg/L	0.000483	8.89%
Cu 324.752†	500.8	0.00233	mg/L	0.000175	0.00233	mg/L	0.000175	7.50%
Fe 273.955†	60.5	0.04995	mg/L	0.001673	0.04995	mg/L	0.001673	3.35%
K 766.490†	689.8	0.5289	mg/L	0.04112	0.5289	mg/L	0.04112	7.78%
Mg 279.077†	82.1	0.06643	mg/L	0.005406	0.06643	mg/L	0.005406	8.14%
Mn 257.610†	27.1	0.00093	mg/L	0.000184	0.00093	mg/L	0.000184	19.64%
Mo 202.031†	32.5	0.00545	mg/L	0.001354	0.00545	mg/L	0.001354	24.83%
Na 589.592†	1036.5	0.5151	mg/L	0.01046	0.5151	mg/L	0.01046	2.03%
Na 330.237†	-14.6	-0.6609	mg/L	0.68036	-0.6609	mg/L	0.68036	102.94%
Ni 231.604†	20.6	0.01703	mg/L	0.001303	0.01703	mg/L	0.001303	7.65%
Pb 220.353†	140.6	0.02042	mg/L	0.001752	0.02042	mg/L	0.001752	8.58%
Sb 206.836†	109.2	0.05408	mg/L	0.000826	0.05408	mg/L	0.000826	1.53%
Se 196.026†	58.7	0.05546	mg/L	0.004925	0.05546	mg/L	0.004925	8.88%
Si 288.158†	121.7	0.07006	mg/L	0.006103	0.07006	mg/L	0.006103	8.71%
Sn 189.927†	31.9	0.01018	mg/L	0.000989	0.01018	mg/L	0.000989	9.72%
Sr 421.552†	311.6	0.00107	mg/L	0.000068	0.00107	mg/L	0.000068	6.34%
Ti 334.903†	139.0	0.00693	mg/L	0.000868	0.00693	mg/L	0.000868	12.53%
Tl 190.801†	101.3	0.04981	mg/L	0.001257	0.04981	mg/L	0.001257	2.52%
V 292.402†	360.3	0.00316	mg/L	0.000354	0.00316	mg/L	0.000354	11.19%
Zn 206.200†	10.7	0.01009	mg/L	0.001886	0.01009	mg/L	0.001886	18.69%

Sequence No.: 4
Sample ID: ICSA
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 10/10/2007 12:02:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1793902.6	98.16	%	0.699				0.71%
ScR 361.383	158844.7	103.8	%	0.73				0.70%
Ag 328.068†	-888.6	0.00097	mg/L	0.000216	0.00097	mg/L	0.000216	22.35%
Al 308.215†	316119.7	193.4	mg/L	0.90	193.4	mg/L	0.90	0.46%
As 188.979†	65.2	0.01517	mg/L	0.006233	0.01517	mg/L	0.006233	41.08%
B 249.677†	-25.2	0.00309	mg/L	0.003029	0.00309	mg/L	0.003029	97.92%
Ba 233.527†	47.3	0.00135	mg/L	0.000309	0.00135	mg/L	0.000309	22.98%
Be 313.042†	-47.7	-0.00021	mg/L	0.000108	-0.00021	mg/L	0.000108	51.93%
Ca 317.933†	975755.4	97.19	mg/L	0.356	97.19	mg/L	0.356	0.37%
Cd 228.802†	16.8	0.00007	mg/L	0.000109	0.00007	mg/L	0.000109	160.13%
Co 228.616†	60.1	-0.00200	mg/L	0.000171	-0.00200	mg/L	0.000171	8.57%
Cr 267.716†	-1.1	0.00369	mg/L	0.001644	0.00369	mg/L	0.001644	44.53%
Cu 324.752†	-4163.8	-0.00116	mg/L	0.000235	-0.00116	mg/L	0.000235	20.18%
Fe 273.955†	236510.0	195.2	mg/L	0.85	195.2	mg/L	0.85	0.44%
K 766.490†	68.1	0.05224	mg/L	0.012372	0.05224	mg/L	0.012372	23.68%
Mg 279.077†	120800.7	97.63	mg/L	0.800	97.63	mg/L	0.800	0.82%
Mn 257.610†	86.8	0.00042	mg/L	0.000138	0.00042	mg/L	0.000138	33.12%
Mo 202.031†	-0.2	0.00652	mg/L	0.000941	0.00652	mg/L	0.000941	14.42%
Na 589.592†	-13.6	-0.00678	mg/L	0.009999	-0.00678	mg/L	0.009999	147.40%
Na 330.237†	6.7	0.2047	mg/L	0.83566	0.2047	mg/L	0.83566	408.18%
Ni 231.604†	3.1	0.00259	mg/L	0.004627	0.00259	mg/L	0.004627	178.66%
Pb 220.353†	-370.3	-0.00915	mg/L	0.000821	-0.00915	mg/L	0.000821	8.97%
Sb 206.836†	2.8	0.00141	mg/L	0.001826	0.00141	mg/L	0.001826	129.37%
Se 196.026†	-130.7	-0.05075	mg/L	0.004412	-0.05075	mg/L	0.004412	8.69%
Si 288.158†	-1.3	-0.00075	mg/L	0.003094	-0.00075	mg/L	0.003094	414.55%
Sn 189.927†	-44.2	-0.01947	mg/L	0.000994	-0.01947	mg/L	0.000994	5.10%
Sr 421.552†	564.2	-0.00023	mg/L	0.000042	-0.00023	mg/L	0.000042	18.20%
Ti 334.903†	140.1	0.00699	mg/L	0.000382	0.00699	mg/L	0.000382	5.47%
Tl 190.801†	-45.5	-0.02246	mg/L	0.005236	-0.02246	mg/L	0.005236	23.31%
V 292.402†	1526.8	-0.00216	mg/L	0.000208	-0.00216	mg/L	0.000208	9.64%
Zn 206.200†	-14.5	-0.01095	mg/L	0.002146	-0.01095	mg/L	0.002146	19.59%

Sequence No.: 5
Sample ID: ICSAB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 10/10/2007 12:08:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1790706.5	97.99	%	0.790				0.81%
ScR 361.383	157439.2	102.9	%	0.50				0.49%
Ag 328.068†	172497.4	1.080	mg/L	0.0050	1.080	mg/L	0.0050	0.47%
Al 308.215†	318577.6	194.9	mg/L	0.28	194.9	mg/L	0.28	0.15%
As 188.979†	1264.9	1.036	mg/L	0.0112	1.036	mg/L	0.0112	1.08%
B 249.677†	-19.5	0.00313	mg/L	0.005261	0.00313	mg/L	0.005261	168.13%
Ba 233.527†	5362.8	0.9608	mg/L	0.00918	0.9608	mg/L	0.00918	0.96%
Be 313.042†	271810.4	1.007	mg/L	0.0035	1.007	mg/L	0.0035	0.35%
Ca 317.933†	982490.5	97.86	mg/L	0.369	97.86	mg/L	0.369	0.38%
Cd 228.802†	38808.0	0.9883	mg/L	0.00629	0.9883	mg/L	0.00629	0.64%
Co 228.616†	48376.0	0.9412	mg/L	0.00156	0.9412	mg/L	0.00156	0.17%
Cr 267.716†	3967.0	0.9701	mg/L	0.00652	0.9701	mg/L	0.00652	0.67%
Cu 324.752†	230931.1	1.094	mg/L	0.0022	1.094	mg/L	0.0022	0.20%
Fe 273.955†	236850.8	195.4	mg/L	0.24	195.4	mg/L	0.24	0.12%
K 766.490†	247.1	0.1895	mg/L	0.01993	0.1895	mg/L	0.01993	10.52%
Mg 279.077†	123524.0	99.83	mg/L	0.188	99.83	mg/L	0.188	0.19%
Mn 257.610†	29287.5	0.9978	mg/L	0.00074	0.9978	mg/L	0.00074	0.07%
Mo 202.031†	1.3	0.00674	mg/L	0.000984	0.00674	mg/L	0.000984	14.61%
Na 589.592†	-34.6	-0.01717	mg/L	0.004938	-0.01717	mg/L	0.004938	28.76%
Na 330.237†	21.0	0.3483	mg/L	0.24541	0.3483	mg/L	0.24541	70.46%
Ni 231.604†	1151.4	0.9518	mg/L	0.01143	0.9518	mg/L	0.01143	1.20%
Pb 220.353†	6373.0	0.9705	mg/L	0.01090	0.9705	mg/L	0.01090	1.12%
Sb 206.836†	2097.4	1.029	mg/L	0.0115	1.029	mg/L	0.0115	1.11%
Se 196.026†	929.2	0.9488	mg/L	0.01359	0.9488	mg/L	0.01359	1.43%
Si 288.158†	-4.3	-0.00188	mg/L	0.000343	-0.00188	mg/L	0.000343	18.22%
Sn 189.927†	-42.9	-0.01895	mg/L	0.000716	-0.01895	mg/L	0.000716	3.78%
Sr 421.552†	607.6	-0.00017	mg/L	0.000239	-0.00017	mg/L	0.000239	144.63%
Ti 334.903†	139.5	0.00668	mg/L	0.000169	0.00668	mg/L	0.000169	2.53%
Tl 190.801†	1911.6	0.9297	mg/L	0.00753	0.9297	mg/L	0.00753	0.81%
V 292.402†	121072.5	1.035	mg/L	0.0043	1.035	mg/L	0.0043	0.42%
Zn 206.200†	990.0	0.9361	mg/L	0.00848	0.9361	mg/L	0.00848	0.91%

Sequence No.: 6
Sample ID: CV 2
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/10/2007 12:15:08 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	1829400.0	100.1	%	0.50				0.50%
ScR 361.383	158064.6	103.3	%	0.43				0.42%
Ag 328.068†	162412.5	1.011	mg/L	0.0058	1.011	mg/L	0.0058	0.58%
Al 308.215†	3199.6	1.918	mg/L	0.0049	1.918	mg/L	0.0049	0.26%
As 188.979†	2354.5	2.002	mg/L	0.0034	2.002	mg/L	0.0034	0.17%
B 249.677†	1854.1	0.9642	mg/L	0.00465	0.9642	mg/L	0.00465	0.48%
Ba 233.527†	5308.0	0.9585	mg/L	0.00104	0.9585	mg/L	0.00104	0.11%
Be 313.042†	263971.6	0.9784	mg/L	0.00133	0.9784	mg/L	0.00133	0.14%
Ca 317.933†	20273.4	2.019	mg/L	0.0047	2.019	mg/L	0.0047	0.24%
Cd 228.802†	38995.5	0.9870	mg/L	0.01172	0.9870	mg/L	0.01172	1.19%
Co 228.616†	49533.8	0.9657	mg/L	0.00445	0.9657	mg/L	0.00445	0.46%
Cr 267.716†	3959.9	0.9644	mg/L	0.00479	0.9644	mg/L	0.00479	0.50%
Cu 324.752†	227284.2	1.058	mg/L	0.0055	1.058	mg/L	0.0055	0.52%
Fe 273.955†	2390.1	1.969	mg/L	0.0097	1.969	mg/L	0.0097	0.49%
K 766.490†	26134.7	20.04	mg/L	0.023	20.04	mg/L	0.023	0.11%
Mg 279.077†	2466.0	1.998	mg/L	0.0104	1.998	mg/L	0.0104	0.52%
Mn 257.610†	28862.0	0.9864	mg/L	0.00239	0.9864	mg/L	0.00239	0.24%
Mo 202.031†	5788.8	0.9702	mg/L	0.00095	0.9702	mg/L	0.00095	0.10%
Na 589.592†	98551.3	48.98	mg/L	0.410	48.98	mg/L	0.410	0.84%
Na 330.237†	1087.3	48.65	mg/L	0.297	48.65	mg/L	0.297	0.61%
Ni 231.604†	1178.5	0.9750	mg/L	0.00123	0.9750	mg/L	0.00123	0.13%
Pb 220.353†	13799.2	2.004	mg/L	0.0076	2.004	mg/L	0.0076	0.38%
Sb 206.836†	4035.8	1.996	mg/L	0.0055	1.996	mg/L	0.0055	0.28%
Se 196.026†	2032.6	1.918	mg/L	0.0045	1.918	mg/L	0.0045	0.24%
Si 288.158†	3554.9	2.049	mg/L	0.0137	2.049	mg/L	0.0137	0.67%
Sn 189.927†	2817.5	0.8989	mg/L ✓	0.00241	0.8989	mg/L	0.00241	0.27%
Sr 421.552†	280499.7	0.9609	mg/L	0.00288	0.9609	mg/L	0.00288	0.30%
Ti 334.903†	19663.1	0.9797	mg/L	0.00275	0.9797	mg/L	0.00275	0.28%
Tl 190.801†	3955.7	1.935	mg/L	0.0032	1.935	mg/L	0.0032	0.17%
V 292.402†	115831.1	1.010	mg/L	0.0067	1.010	mg/L	0.0067	0.66%
Zn 206.200†	1052.1	0.9917	mg/L	0.00184	0.9917	mg/L	0.00184	0.19%

Sequence No.: 7
Sample ID: CB 2
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 12:21:42 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	1842560.4	100.8	%	0.67				0.66%
ScR 361.383	157463.0	102.9	%	0.71				0.69%
Ag 328.068†	104.5	0.00065	mg/L	0.000360	0.00065	mg/L	0.000360	55.43%
Al 308.215†	6.8	0.00415	mg/L	0.003086	0.00415	mg/L	0.003086	74.36%
As 188.979†	7.7	0.00652	mg/L	0.005310	0.00652	mg/L	0.005310	81.48%
B 249.677†	1.1	0.00057	mg/L	0.002851	0.00057	mg/L	0.002851	498.95%
Ba 233.527†	-1.9	-0.00035	mg/L	0.000637	-0.00035	mg/L	0.000637	181.99%
Be 313.042†	7.9	0.00003	mg/L	0.000023	0.00003	mg/L	0.000023	79.29%
Ca 317.933†	17.3	0.00172	mg/L	0.003594	0.00172	mg/L	0.003594	208.67%
Cd 228.802†	4.8	0.00008	mg/L	0.000134	0.00008	mg/L	0.000134	166.04%
Co 228.616†	4.7	0.00009	mg/L	0.000131	0.00009	mg/L	0.000131	141.77%
Cr 267.716†	6.4	0.00156	mg/L	0.001658	0.00156	mg/L	0.001658	106.17%
Cu 324.752†	69.5	0.00032	mg/L	0.000220	0.00032	mg/L	0.000220	68.31%
Fe 273.955†	-2.9	-0.00240	mg/L	0.001036	-0.00240	mg/L	0.001036	43.27%
K 766.490†	49.8	0.03816	mg/L	0.037722	0.03816	mg/L	0.037722	98.86%
Mg 279.077†	29.1	0.02358	mg/L	0.007601	0.02358	mg/L	0.007601	32.24%
Mn 257.610†	-1.7	-0.00006	mg/L	0.000073	-0.00006	mg/L	0.000073	123.28%
Mo 202.031†	7.4	0.00123	mg/L	0.000332	0.00123	mg/L	0.000332	26.90%
Na 589.592†	6.6	0.00328	mg/L	0.005038	0.00328	mg/L	0.005038	153.60%
Na 330.237†	-4.8	-0.2141	mg/L	0.52172	-0.2141	mg/L	0.52172	243.63%
Ni 231.604†	3.9	0.00322	mg/L	0.005821	0.00322	mg/L	0.005821	180.96%
Pb 220.353†	7.4	0.00108	mg/L	0.000976	0.00108	mg/L	0.000976	90.18%
Sb 206.836†	-3.2	-0.00161	mg/L	0.001010	-0.00161	mg/L	0.001010	62.60%
Se 196.026†	-0.5	-0.00044	mg/L	0.002057	-0.00044	mg/L	0.002057	466.18%
Si 288.158†	8.7	0.00502	mg/L	0.004560	0.00502	mg/L	0.004560	90.81%
Sn 189.927†	1.6	0.00050	mg/L	0.000349	0.00050	mg/L	0.000349	69.70%
Sr 421.552†	-28.5	-0.00010	mg/L	0.000296	-0.00010	mg/L	0.000296	302.72%
Ti 334.903†	7.9	0.00039	mg/L	0.000857	0.00039	mg/L	0.000857	219.25%
Tl 190.801†	6.8	0.00332	mg/L	0.003067	0.00332	mg/L	0.003067	92.29%
V 292.402†	40.0	0.00036	mg/L	0.000103	0.00036	mg/L	0.000103	28.48%
Zn 206.200†	0.1	0.00012	mg/L	0.001678	0.00012	mg/L	0.001678	>999.9%

Sequence No.: 8
Sample ID: LS34 MB TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 10/10/2007 12:28:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 MB TWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LS34 MB TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
ScA 357.253	1906319.2	104.3	%	0.25				0.24%
ScR 361.383	159946.6	104.5	%	0.46				0.44%
Ag 328.068†	-64.2	-0.00040	mg/L	0.000339	-0.00040	mg/L	0.000339	84.73%
Al 308.215†	25.1	0.01536	mg/L	0.016485	0.01536	mg/L	0.016485	107.35%
As 188.979†	5.7	0.00486	mg/L	0.001273	0.00486	mg/L	0.001273	26.20%
B 249.677†	-5.5	-0.00288	mg/L	0.003431	-0.00288	mg/L	0.003431	119.14%
Ba 233.527†	-2.2	-0.00040	mg/L	0.000803	-0.00040	mg/L	0.000803	200.46%
Be 313.042†	-37.6	-0.00014	mg/L	0.000084	-0.00014	mg/L	0.000084	60.52%
Ca 317.933†	100.5	0.01001	mg/L	0.004140	0.01001	mg/L	0.004140	41.34%
Cd 228.802†	10.8	0.00025	mg/L	0.000134	0.00025	mg/L	0.000134	54.23%
Co 228.616†	-5.6	-0.00011	mg/L	0.000119	-0.00011	mg/L	0.000119	106.18%
Cr 267.716†	5.0	0.00121	mg/L	0.001295	0.00121	mg/L	0.001295	107.10%
Cu 324.752†	-69.7	-0.00033	mg/L	0.000220	-0.00033	mg/L	0.000220	67.71%
Fe 273.955†	1.0	0.00086	mg/L	0.000586	0.00086	mg/L	0.000586	68.18%
K 766.490†	-1.3	-0.00098	mg/L	0.024515	-0.00098	mg/L	0.024515	>999.9%
Mg 279.077†	21.1	0.01707	mg/L	0.015022	0.01707	mg/L	0.015022	88.01%
Mn 257.610†	-2.1	-0.00007	mg/L	0.000067	-0.00007	mg/L	0.000067	94.26%
Mo 202.031†	5.4	0.00090	mg/L	0.000297	0.00090	mg/L	0.000297	33.13%
Na 589.592†	-22.8	-0.01132	mg/L	0.004760	-0.01132	mg/L	0.004760	42.04%
Na 330.237†	-2.6	-0.1181	mg/L	0.30494	-0.1181	mg/L	0.30494	258.15%
Ni 231.604†	5.7	0.00468	mg/L	0.001690	0.00468	mg/L	0.001690	36.09%
Pb 220.353†	-9.0	-0.00129	mg/L	0.000926	-0.00129	mg/L	0.000926	71.51%
Sb 206.836†	4.1	0.00204	mg/L	0.001950	0.00204	mg/L	0.001950	95.74%
Se 196.026†	5.5	0.00521	mg/L	0.001134	0.00521	mg/L	0.001134	21.79%
Si 288.158†	11.2	0.00648	mg/L	0.009007	0.00648	mg/L	0.009007	139.07%
Sn 189.927†	-1.4	-0.00044	mg/L	0.000831	-0.00044	mg/L	0.000831	187.92%
Sr 421.552†	51.6	0.00018	mg/L	0.000206	0.00018	mg/L	0.000206	116.71%
Ti 334.903†	37.5	0.00187	mg/L	0.000379	0.00187	mg/L	0.000379	20.31%
Tl 190.801†	8.7	0.00427	mg/L	0.001154	0.00427	mg/L	0.001154	27.03%
V 292.402†	-2.7	-0.00001	mg/L	0.000251	-0.00001	mg/L	0.000251	>999.9%
Zn 206.200†	-0.4	-0.00034	mg/L	0.001095	-0.00034	mg/L	0.001095	317.94%

Sequence No.: 9
Sample ID: LS96 MB LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 25
Date Collected: 10/10/2007 12:34:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 MB LEN

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS96 MB LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1827165.6	99.98	%	0.218				0.22%
ScR 361.383	162707.8	106.3	%	0.65				0.61%
Ag 328.068†	209.9	0.00131	mg/L	0.000163	0.00653	mg/L	0.000817	12.50%
Al 308.215†	18.9	0.01159	mg/L	0.020966	0.05793	mg/L	0.104828	180.96%
As 188.979†	12.7	0.01079	mg/L	0.001892	0.05397	mg/L	0.009462	17.53%
B 249.677†	14.2	0.00739	mg/L	0.000722	0.03695	mg/L	0.003612	9.78%
Ba 233.527†	-0.5	-0.00010	mg/L	0.000350	-0.00050	mg/L	0.001752	353.64%
Be 313.042†	-59.0	-0.00022	mg/L	0.000098	-0.00110	mg/L	0.000491	44.60%
Ca 317.933†	1580.1	0.1574	mg/L	0.00276	0.7870	mg/L	0.01379	1.75%
Cd 228.802†	0.1	-0.00007	mg/L	0.000062	-0.00034	mg/L	0.000311	92.41%
Co 228.616†	20.4	0.00040	mg/L	0.000045	0.00199	mg/L	0.000223	11.23%
Cr 267.716†	6.8	0.00167	mg/L	0.000649	0.00834	mg/L	0.003244	38.90%
Cu 324.752†	209.9	0.00098	mg/L	0.000160	0.00489	mg/L	0.000802	16.40%
Fe 273.955†	1.0	0.00079	mg/L	0.001013	0.00395	mg/L	0.005067	128.33%
K 766.490†	203.6	0.1561	mg/L	0.02428	0.7805	mg/L	0.12140	15.55%
Mg 279.077†	55.6	0.04494	mg/L	0.015052	0.2247	mg/L	0.07526	33.50%
Mn 257.610†	-3.7	-0.00013	mg/L	0.000134	-0.00064	mg/L	0.000672	105.30%
Mo 202.031†	-1.8	-0.00031	mg/L	0.000663	-0.00153	mg/L	0.003313	215.92%
Na 589.592†	591416.8	293.9	mg/L	1.65	1470	mg/L	8.3	0.56%
Na 330.237†	6522.3	293.9	mg/L	2.20	1469	mg/L	11.0	0.75%
Ni 231.604†	5.6	0.00459	mg/L	0.004483	0.02293	mg/L	0.022413	97.76%
Pb 220.353†	2.9	0.00042	mg/L	0.000708	0.00212	mg/L	0.003542	166.85%
Sb 206.836†	0.8	0.00037	mg/L	0.003670	0.00184	mg/L	0.018351	999.77%
Se 196.026†	-0.3	-0.00024	mg/L	0.001467	-0.00119	mg/L	0.007333	615.62%
Si 288.158†	16.7	0.00959	mg/L	0.013508	0.04797	mg/L	0.067540	140.80%
Sn 189.927†	5.5	0.00177	mg/L	0.000582	0.00885	mg/L	0.002908	32.84%
Sr 421.552†	225.8	0.00077	mg/L	0.000177	0.00387	mg/L	0.000885	22.88%
Ti 334.903†	4.4	0.00022	mg/L	0.000417	0.00109	mg/L	0.002087	192.23%
Tl 190.801†	0.9	0.00043	mg/L	0.000734	0.00213	mg/L	0.003671	172.12%
V 292.402†	58.9	0.00052	mg/L	0.000248	0.00259	mg/L	0.001239	47.89%
Zn 206.200†	0.3	0.00028	mg/L	0.000823	0.00138	mg/L	0.004117	299.23%

Sequence No.: 10
Sample ID: LS96 B LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 26
Date Collected: 10/10/2007 12:41:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 B LEN

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LS96 B LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1836397.2	100.5	%	0.18				0.18%
ScR 361.383	161796.2	105.7	%	1.34				1.27%
Ag 328.068†	183.8	0.00115	mg/L	0.000199	0.00573	mg/L	0.000996	17.39%
Al 308.215†	215.3	0.1317	mg/L	0.01724	0.6585	mg/L	0.08619	13.09%
As 188.979†	7.7	0.00641	mg/L	0.003389	0.03206	mg/L	0.016946	52.86%
B 249.677†	23.6	0.01231	mg/L	0.001011	0.06153	mg/L	0.005057	8.22%
Ba 233.527†	51.3	0.00926	mg/L	0.000203	0.04629	mg/L	0.001016	2.20%
Be 313.042†	-49.2	-0.00019	mg/L	0.000094	-0.00096	mg/L	0.000470	49.04%
Ca 317.933†	21222.7	2.114	mg/L	0.0395	10.57	mg/L	0.198	1.87%
Cd 228.802†	-0.3	-0.00005	mg/L	0.000019	-0.00024	mg/L	0.000094	38.75%
Co 228.616†	58.3	0.00113	mg/L	0.000053	0.00566	mg/L	0.000266	4.70%
Cr 267.716†	5.2	0.00126	mg/L	0.002797	0.00628	mg/L	0.013985	222.64%
Cu 324.752†	424.0	0.00197	mg/L	0.000242	0.00987	mg/L	0.001212	12.28%
Fe 273.955†	14.2	0.01175	mg/L	0.001088	0.05873	mg/L	0.005442	9.27%
K 766.490†	364.5	0.2795	mg/L	0.04606	1.397	mg/L	0.2303	16.48%
Mg 279.077†	482.5	0.3903	mg/L	0.00655	1.951	mg/L	0.0328	1.68%
Mn 257.610†	500.5	0.01708	mg/L	0.000169	0.08540	mg/L	0.000847	0.99%
Mo 202.031†	1.3	0.00015	mg/L	0.000458	0.00076	mg/L	0.002290	302.89%
Na 589.592†	593414.9	294.9	mg/L	0.84	1475	mg/L	4.2	0.29%
Na 330.237†	6459.6	291.0	mg/L	5.94	1455	mg/L	29.7	2.04%
Ni 231.604†	12.0	0.00992	mg/L	0.002233	0.04962	mg/L	0.011164	22.50%
Pb 220.353†	-0.6	-0.00006	mg/L	0.000629	-0.00028	mg/L	0.003143	>999.9%
Sb 206.836†	-5.5	-0.00270	mg/L	0.001561	-0.01349	mg/L	0.007805	57.84%
Se 196.026†	-4.6	-0.00409	mg/L	0.001776	-0.02047	mg/L	0.008880	43.39%
Si 288.158†	706.9	0.4068	mg/L	0.01088	2.034	mg/L	0.0544	2.67%
Sn 189.927†	0.6	0.00025	mg/L	0.000080	0.00124	mg/L	0.000400	32.23%
Sr 421.552†	5701.6	0.01953	mg/L	0.000178	0.09766	mg/L	0.000891	0.91%
Ti 334.903†	52.9	0.00264	mg/L	0.001192	0.01319	mg/L	0.005960	45.20%
Tl 190.801†	5.4	0.00259	mg/L	0.002505	0.01297	mg/L	0.012527	96.61%
V 292.402†	453.5	0.00392	mg/L	0.000377	0.01959	mg/L	0.001883	9.61%
Zn 206.200†	0.8	0.00085	mg/L	0.001372	0.00425	mg/L	0.006858	161.25%

Sequence No.: 11
Sample ID: LS96 ADUP LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 27
Date Collected: 10/10/2007 12:48:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 ADUP LEN

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS96 ADUP LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1851300.9	101.3	%	0.30				0.29%
ScR 361.383	161275.4	105.4	%	0.17				0.16%
Ag 328.068†	62.2	0.00039	mg/L	0.000565	0.00194	mg/L	0.002827	145.71%
Al 308.215†	174.0	0.1064	mg/L	0.00827	0.5321	mg/L	0.04133	7.77%
As 188.979†	9.7	0.00810	mg/L	0.005826	0.04050	mg/L	0.029132	71.92%
B 249.677†	16.7	0.00872	mg/L	0.002771	0.04359	mg/L	0.013855	31.79%
Ba 233.527†	39.1	0.00706	mg/L	0.000745	0.03532	mg/L	0.003725	10.54%
Be 313.042†	-37.0	-0.00015	mg/L	0.000067	-0.00073	mg/L	0.000337	46.53%
Ca 317.933†	17186.2	1.712	mg/L	0.0101	8.560	mg/L	0.0507	0.59%
Cd 228.802†	-2.0	-0.00010	mg/L	0.000059	-0.00052	mg/L	0.000293	56.76%
Co 228.616†	115.6	0.00225	mg/L	0.000081	0.01127	mg/L	0.000403	3.58%
Cr 267.716†	5.8	0.00140	mg/L	0.001215	0.00699	mg/L	0.006074	86.85%
Cu 324.752†	391.1	0.00182	mg/L	0.000289	0.00910	mg/L	0.001447	15.89%
Fe 273.955†	9.3	0.00767	mg/L	0.003483	0.03835	mg/L	0.017414	45.40%
K 766.490†	416.9	0.3197	mg/L	0.00568	1.598	mg/L	0.0284	1.78%
Mg 279.077†	392.0	0.3171	mg/L	0.00608	1.585	mg/L	0.0304	1.92%
Mn 257.610†	840.2	0.02868	mg/L	0.000364	0.1434	mg/L	0.00182	1.27%
Mo 202.031†	1.2	0.00016	mg/L	0.000590	0.00078	mg/L	0.002949	376.92%
Na 589.592†	593014.3	294.7	mg/L	0.80	1474	mg/L	4.0	0.27%
Na 330.237†	6543.3	294.8	mg/L	1.42	1474	mg/L	7.1	0.48%
Ni 231.604†	11.2	0.00926	mg/L	0.000722	0.04632	mg/L	0.003610	7.79%
Pb 220.353†	-4.1	-0.00056	mg/L	0.001084	-0.00280	mg/L	0.005419	193.79%
Sb 206.836†	2.8	0.00139	mg/L	0.003882	0.00696	mg/L	0.019410	278.86%
Se 196.026†	-3.9	-0.00347	mg/L	0.003528	-0.01735	mg/L	0.017640	101.69%
Si 288.158†	513.4	0.2955	mg/L	0.01191	1.477	mg/L	0.0595	4.03%
Sn 189.927†	1.4	0.00050	mg/L	0.000445	0.00251	mg/L	0.002227	88.77%
Sr 421.552†	4039.7	0.01384	mg/L	0.000137	0.06919	mg/L	0.000684	0.99%
Ti 334.903†	29.0	0.00144	mg/L	0.000556	0.00722	mg/L	0.002779	38.50%
Tl 190.801†	1.6	0.00073	mg/L	0.000933	0.00367	mg/L	0.004663	127.21%
V 292.402†	377.4	0.00327	mg/L	0.000238	0.01633	mg/L	0.001190	7.29%
Zn 206.200†	2.5	0.00237	mg/L	0.000881	0.01185	mg/L	0.004406	37.17%

Sequence No.: 12
Sample ID: LS96 A LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 28
Date Collected: 10/10/2007 12:55:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 A LEN

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS96 A LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1835267.2	100.4	%	0.79				0.79%
ScR 361.383	160181.3	104.7	%	0.38				0.37%
Ag 328.068†	94.6	0.00059	mg/L	0.000271	0.00295	mg/L	0.001356	46.04%
Al 308.215†	147.1	0.08996	mg/L	0.014240	0.4498	mg/L	0.07120	15.83%
As 188.979†	7.2	0.00599	mg/L	0.001934	0.02995	mg/L	0.009670	32.29%
B 249.677†	20.5	0.01068	mg/L	0.001280	0.05340	mg/L	0.006398	11.98%
Ba 233.527†	36.5	0.00659	mg/L	0.000159	0.03297	mg/L	0.000794	2.41%
Be 313.042†	-33.9	-0.00013	mg/L	0.000180	-0.00067	mg/L	0.000900	134.99%
Ca 317.933†	17314.2	1.725	mg/L	0.0031	8.623	mg/L	0.0157	0.18%
Cd 228.802†	-0.6	-0.00005	mg/L	0.000111	-0.00027	mg/L	0.000556	203.95%
Co 228.616†	125.5	0.00245	mg/L	0.000216	0.01223	mg/L	0.001082	8.85%
Cr 267.716†	5.8	0.00141	mg/L	0.001143	0.00703	mg/L	0.005713	81.22%
Cu 324.752†	437.2	0.00204	mg/L	0.000223	0.01018	mg/L	0.001114	10.94%
Fe 273.955†	8.5	0.00696	mg/L	0.001036	0.03481	mg/L	0.005181	14.88%
K 766.490†	448.5	0.3439	mg/L	0.05520	1.719	mg/L	0.2760	16.05%
Mg 279.077†	367.4	0.2971	mg/L	0.01064	1.486	mg/L	0.0532	3.58%
Mn 257.610†	847.8	0.02894	mg/L	0.000403	0.1447	mg/L	0.00201	1.39%
Mo 202.031†	-0.7	-0.00017	mg/L	0.000855	-0.00084	mg/L	0.004276	511.64%
Na 589.592†	593717.7	295.1	mg/L	1.02	1475	mg/L	5.1	0.34%
Na 330.237†	6588.2	296.8	mg/L	0.97	1484	mg/L	4.9	0.33%
Ni 231.604†	9.4	0.00773	mg/L	0.003218	0.03865	mg/L	0.016090	41.63%
Pb 220.353†	0.7	0.00012	mg/L	0.000847	0.00061	mg/L	0.004234	695.19%
Sb 206.836†	-3.0	-0.00150	mg/L	0.001059	-0.00752	mg/L	0.005297	70.40%
Se 196.026†	0.8	0.00092	mg/L	0.004455	0.00462	mg/L	0.022275	482.65%
Si 288.158†	512.6	0.2950	mg/L	0.00681	1.475	mg/L	0.0340	2.31%
Sn 189.927†	2.5	0.00085	mg/L	0.001008	0.00424	mg/L	0.005039	118.94%
Sr 421.552†	4000.4	0.01370	mg/L	0.000067	0.06851	mg/L	0.000334	0.49%
Ti 334.903†	36.8	0.00184	mg/L	0.000244	0.00918	mg/L	0.001219	13.28%
Tl 190.801†	2.6	0.00123	mg/L	0.001275	0.00614	mg/L	0.006374	103.80%
V 292.402†	377.4	0.00326	mg/L	0.000380	0.01632	mg/L	0.001901	11.65%
Zn 206.200†	2.1	0.00199	mg/L	0.001465	0.00996	mg/L	0.007323	73.50%

Sequence No.: 13
Sample ID: LS96 ASPK LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 29
Date Collected: 10/10/2007 1:02:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 ASPK LEN

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS96 ASPK LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1849824.0	101.2	%	0.66				0.65%
ScR 361.383	160809.7	105.1	%	0.58				0.55%
Ag 328.068†	84411.0	0.5255	mg/L	0.00297	2.628	mg/L	0.0149	0.57%
Al 308.215†	3349.0	2.042	mg/L	0.0038	10.21	mg/L	0.019	0.19%
As 188.979†	2429.8	2.067	mg/L	0.0032	10.34	mg/L	0.016	0.16%
B 249.677†	23.8	0.01103	mg/L	0.000280	0.05513	mg/L	0.001398	2.54%
Ba 233.527†	10622.9	1.918	mg/L	0.0085	9.590	mg/L	0.0425	0.44%
Be 313.042†	134389.9	0.4981	mg/L	0.00161	2.490	mg/L	0.0081	0.32%
Ca 317.933†	116462.9	11.60	mg/L	0.031	58.00	mg/L	0.154	0.26%
Cd 228.802†	19902.4	0.4969	mg/L	0.00186	2.485	mg/L	0.0093	0.37%
Co 228.616†	24705.0	0.4819	mg/L	0.00175	2.410	mg/L	0.0088	0.36%
Cr 267.716†	2004.5	0.4882	mg/L	0.00403	2.441	mg/L	0.0201	0.82%
Cu 324.752†	115236.3	0.5369	mg/L	0.00197	2.685	mg/L	0.0098	0.37%
Fe 273.955†	2417.7	1.993	mg/L	0.0157	9.967	mg/L	0.0783	0.79%
K 766.490†	13256.2	10.16	mg/L	0.074	50.82	mg/L	0.370	0.73%
Mg 279.077†	12615.9	10.20	mg/L	0.065	51.02	mg/L	0.327	0.64%
Mn 257.610†	15364.0	0.5254	mg/L	0.00072	2.627	mg/L	0.0036	0.14%
Mo 202.031†	18.8	0.00284	mg/L	0.000194	0.01418	mg/L	0.000970	6.84%
Na 589.592†	603518.5	299.9	mg/L	0.28	1500	mg/L	1.4	0.09%
Na 330.237†	6699.5	301.6	mg/L	2.22	1508	mg/L	11.1	0.73%
Ni 231.604†	597.4	0.4931	mg/L	0.00545	2.465	mg/L	0.0273	1.11%
Pb 220.353†	13775.1	2.000	mg/L	0.0108	10.000	mg/L	0.0542	0.54%
Sb 206.836†	10.5	0.00030	mg/L	0.004146	0.00149	mg/L	0.020728	>999.9%
Se 196.026†	2196.6	2.075	mg/L	0.0079	10.38	mg/L	0.039	0.38%
Si 288.158†	507.6	0.2925	mg/L	0.00435	1.462	mg/L	0.0218	1.49%
Sn 189.927†	-15.3	-0.00418	mg/L	0.001581	-0.02091	mg/L	0.007906	37.80%
Sr 421.552†	143338.2	0.4909	mg/L	0.00194	2.455	mg/L	0.0097	0.39%
Ti 334.903†	47.4	0.00222	mg/L	0.000786	0.01111	mg/L	0.003929	35.35%
Tl 190.801†	3887.5	1.908	mg/L	0.0022	9.541	mg/L	0.0109	0.11%
V 292.402†	60914.1	0.5283	mg/L	0.00281	2.642	mg/L	0.0140	0.53%
Zn 206.200†	533.5	0.5034	mg/L	0.00309	2.517	mg/L	0.0155	0.61%

Sequence No.: 14
Sample ID: LS34 A TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 10/10/2007 1:08:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 A TWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS34 A TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1803486.6	98.69	%	0.434				0.44%
ScR 361.383	158936.9	103.9	%	0.35				0.34%
Ag 328.068†	128.9	0.00101	mg/L	0.000389	0.00101	mg/L	0.000389	38.31%
Al 308.215†	-3.0	-0.00225	mg/L	0.012537	-0.00225	mg/L	0.012537	557.08%
As 188.979†	44.9	0.03253	mg/L	0.003805	0.03253	mg/L	0.003805	11.70%
B 249.677†	1616.2	0.8424	mg/L	0.00615	0.8424	mg/L	0.00615	0.73%
Ba 233.527†	712.3	0.1284	mg/L	0.00090	0.1284	mg/L	0.00090	0.70%
Be 313.042†	-36.1	-0.00014	mg/L	0.000056	-0.00014	mg/L	0.000056	39.20%
Ca 317.933†	895753.6	89.23	mg/L	0.496	89.23	mg/L	0.496	0.56%
Cd 228.802†	5.6	-0.00010	mg/L	0.000051	-0.00010	mg/L	0.000051	50.80%
Co 228.616†	636.7	0.01228	mg/L	0.000233	0.01228	mg/L	0.000233	1.90%
Cr 267.716†	34.8	0.00799	mg/L	0.000226	0.00799	mg/L	0.000226	2.83%
Cu 324.752†	277.5	0.00161	mg/L	0.000330	0.00161	mg/L	0.000330	20.55%
Fe 273.955†	7715.9	6.367	mg/L	0.0491	6.367	mg/L	0.0491	0.77%
K 766.490†	88421.4	67.80	mg/L	0.323	67.80	mg/L	0.323	0.48%
Mg 279.077†	81640.3	66.03	mg/L	0.123	66.03	mg/L	0.123	0.19%
Mn 257.610†	81759.4	2.790	mg/L	0.0047	2.790	mg/L	0.0047	0.17%
Mo 202.031†	91.0	0.01237	mg/L	0.001100	0.01237	mg/L	0.001100	8.89%
Na 589.592†	448376.5	222.8	mg/L	0.88	222.8	mg/L	0.88	0.39%
Na 330.237†	4882.0	219.6	mg/L	1.53	219.6	mg/L	1.53	0.69%
Ni 231.604†	37.9	0.03125	mg/L	0.002566	0.03125	mg/L	0.002566	8.21%
Pb 220.353†	-18.6	-0.00316	mg/L	0.000776	-0.00316	mg/L	0.000776	24.59%
Sb 206.836†	-3.6	-0.00202	mg/L	0.001645	-0.00202	mg/L	0.001645	81.29%
Se 196.026†	-32.8	-0.02029	mg/L	0.005643	-0.02029	mg/L	0.005643	27.81%
Si 288.158†	5262.8	3.029	mg/L	0.0098	3.029	mg/L	0.0098	0.32%
Sn 189.927†	-85.6	-0.02206	mg/L	0.000500	-0.02206	mg/L	0.000500	2.27%
Sr 421.552†	221531.2	0.7585	mg/L	0.00194	0.7585	mg/L	0.00194	0.26%
Ti 334.903†	269.0	0.01340	mg/L	0.000037	0.01340	mg/L	0.000037	0.28%
Tl 190.801†	1.6	-0.00248	mg/L	0.001942	-0.00248	mg/L	0.001942	78.38%
V 292.402†	401.7	0.00343	mg/L	0.000279	0.00343	mg/L	0.000279	8.15%
Zn 206.200†	-6.3	-0.00348	mg/L	0.002128	-0.00348	mg/L	0.002128	61.14%

Sequence No.: 15
Sample ID: LS34 ASPK TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 31
Date Collected: 10/10/2007 1:15:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 ASPK TWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS34 ASPK TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1825523.6	99.89	%	0.695				0.70%
ScR 361.383	162098.1	105.9	%	0.67				0.64%
Ag 328.068†	87629.4	0.5458	mg/L	0.00078	0.5458	mg/L	0.00078	0.14%
Al 308.215†	3258.0	1.986	mg/L	0.0149	1.986	mg/L	0.0149	0.75%
As 188.979†	2539.3	2.155	mg/L	0.0251	2.155	mg/L	0.0251	1.16%
B 249.677†	1544.6	0.8037	mg/L	0.00249	0.8037	mg/L	0.00249	0.31%
Ba 233.527†	11176.5	2.018	mg/L	0.0149	2.018	mg/L	0.0149	0.74%
Be 313.042†	136039.6	0.5042	mg/L	0.00312	0.5042	mg/L	0.00312	0.62%
Ca 317.933†	958154.6	95.44	mg/L	0.237	95.44	mg/L	0.237	0.25%
Cd 228.802†	19918.5	0.4967	mg/L	0.00445	0.4967	mg/L	0.00445	0.89%
Co 228.616†	24971.7	0.4870	mg/L	0.00471	0.4870	mg/L	0.00471	0.97%
Cr 267.716†	2052.0	0.4993	mg/L	0.00372	0.4993	mg/L	0.00372	0.74%
Cu 324.752†	118332.4	0.5517	mg/L	0.00093	0.5517	mg/L	0.00093	0.17%
Fe 273.955†	9863.7	8.138	mg/L	0.0438	8.138	mg/L	0.0438	0.54%
K 766.490†	97698.8	74.91	mg/L	0.202	74.91	mg/L	0.202	0.27%
Mg 279.077†	89456.2	72.35	mg/L	0.468	72.35	mg/L	0.468	0.65%
Mn 257.610†	92513.3	3.158	mg/L	0.0130	3.158	mg/L	0.0130	0.41%
Mo 202.031†	92.0	0.01239	mg/L	0.000758	0.01239	mg/L	0.000758	6.12%
Na 589.592†	447971.7	222.6	mg/L	0.31	222.6	mg/L	0.31	0.14%
Na 330.237†	4912.6	220.7	mg/L	1.49	220.7	mg/L	1.49	0.67%
Ni 231.604†	615.1	0.5077	mg/L	0.00715	0.5077	mg/L	0.00715	1.41%
Pb 220.353†	13447.3	1.952	mg/L	0.0198	1.952	mg/L	0.0198	1.01%
Sb 206.836†	6.8	-0.00171	mg/L	0.003660	-0.00171	mg/L	0.003660	213.92%
Se 196.026†	2169.7	2.060	mg/L	0.0115	2.060	mg/L	0.0115	0.56%
Si 288.158†	5350.4	3.080	mg/L	0.0153	3.080	mg/L	0.0153	0.50%
Sn 189.927†	-85.1	-0.02152	mg/L	0.001307	-0.02152	mg/L	0.001307	6.07%
Sr 421.552†	353186.6	1.209	mg/L	0.0057	1.209	mg/L	0.0057	0.47%
Ti 334.903†	267.0	0.01316	mg/L	0.000494	0.01316	mg/L	0.000494	3.75%
Tl 190.801†	3819.9	1.872	mg/L	0.0200	1.872	mg/L	0.0200	1.07%
V 292.402†	62718.9	0.5439	mg/L	0.00046	0.5439	mg/L	0.00046	0.08%
Zn 206.200†	507.1	0.4808	mg/L	0.00263	0.4808	mg/L	0.00263	0.55%

Sequence No.: 16
Sample ID: LR71 H SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 32
Date Collected: 10/10/2007 1:22:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 H SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

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	1884827.8	103.1	%	0.57				0.55%
ScR 361.383	162083.9	105.9	%	0.32				0.30%
Ag 328.068†	-659.8	0.00168	mg/L	0.000138	0.00842	mg/L	0.000688	8.17%
Al 308.215†	58903.5	36.04	mg/L	0.104	180.2	mg/L	0.52	0.29%
As 188.979†	75.0	0.05152	mg/L	0.001720	0.2576	mg/L	0.00860	3.34%
B 249.677†	136.1	0.08521	mg/L	0.002435	0.4261	mg/L	0.01217	2.86%
Ba 233.527†	701.5	0.1202	mg/L	0.00129	0.6010	mg/L	0.00644	1.07%
Be 313.042†	125.9	0.00007	mg/L	0.000009	0.00036	mg/L	0.000046	12.81%
Ca 317.933†	187124.3	18.64	mg/L	0.070	93.20	mg/L	0.350	0.38%
Cd 228.802†	44.0	0.00073	mg/L	0.000124	0.00363	mg/L	0.000621	17.09%
Co 228.616†	1632.7	0.02357	mg/L	0.000353	0.1179	mg/L	0.00176	1.50%
Cr 267.716†	427.9	0.1075	mg/L	0.00193	0.5373	mg/L	0.00967	1.80%
Cu 324.752†	115700.1	0.5546	mg/L	0.00627	2.773	mg/L	0.0313	1.13%
Fe 273.955†	210187.9	173.4	mg/L	0.57	867.2	mg/L	2.83	0.33%
K 766.490†	6615.3	5.072	mg/L	0.0877	25.36	mg/L	0.438	1.73%
Mg 279.077†	27222.1	21.95	mg/L	0.063	109.8	mg/L	0.31	0.29%
Mn 257.610†	38747.2	1.324	mg/L	0.0059	6.618	mg/L	0.0293	0.44%
Mo 202.031†	107.8	0.01926	mg/L	0.000564	0.09629	mg/L	0.002822	2.93%
Na 589.592†	35278.0	17.53	mg/L	0.078	87.66	mg/L	0.388	0.44%
Na 330.237†	382.6	17.60	mg/L	0.341	88.02	mg/L	1.706	1.94%
Ni 231.604†	143.2	0.1182	mg/L	0.00207	0.5912	mg/L	0.01033	1.75%
Pb 220.353†	6906.2	1.000	mg/L	0.0082	5.001	mg/L	0.0410	0.82%
Sb 206.836†	26.3	0.01915	mg/L	0.001618	0.09574	mg/L	0.008089	8.45%
Se 196.026†	-51.9	-0.01256	mg/L	0.003881	-0.06280	mg/L	0.019403	30.90%
Si 288.158†	948.5	0.5460	mg/L	0.00837	2.730	mg/L	0.0418	1.53%
Sn 189.927†	107.7	0.02527	mg/L	0.000329	0.1264	mg/L	0.00165	1.30%
Sr 421.552†	50334.2	0.1707	mg/L	0.00082	0.8535	mg/L	0.00412	0.48%
Ti 334.903†	55083.5	2.747	mg/L	0.0102	13.74	mg/L	0.051	0.37%
Tl 190.801†	-11.8	-0.01124	mg/L	0.001164	-0.05621	mg/L	0.005818	10.35%
V 292.402†	17623.7	0.1369	mg/L	0.00177	0.6846	mg/L	0.00883	1.29%
Zn 206.200†	728.8	0.6878	mg/L	0.00398	3.439	mg/L	0.0199	0.58%