1	Al 308.215	373.0	-69.6	-0.0074 mg/L
1	As 188.979	-19.2	-8.9	-0.0032 mg/L
1	Ba 233.527	-394.9	38.0	0.0003 mg/L
1	Be 313.107	-2205.9	94.8	0.0000 mg/L
1	Ca 227.547	-27.4	4.9	0.0601 mg/L
1	Cd 228.802	130.2	4.3	0.0001 mg/L
1	Co 228.616	68.1	-3.4	-0.0001 mg/L
1	Cr 267.716	-60.0	2.9	0.0001 mg/L
1	Cu 324.754	372.5	-176.0	-0.0015 mg/L
1	Fe 273.955	-182.5	-2.9	-0.0001 mg/L
1	K 766.491	6284.1	196.8	0.0743 mg/L
1	Mg 279.079	-981.0	34.1	0.0035 mg/L
1	Mn 257.610	-3303.5	79.7	0.0002 mg/L
1	Mo 202.030	-97.4	17.0	0.0012 mg/L
1	Na 330.237	1191.1	-42.9	0.5220 mg/L
1	Ni 231.604	-78.6	-25.5	-0.0006 mg/L
1	Pb 220.353	361.4	26.9	0.0019 mg/L
1	Sb 206.833	34.2	3.4	0.0014 mg/L
1	Se 196.026	3.0	-1.5	-0.0004 mg/L
1	Tl 190.800	-34.3	-0.5	-0.0002 mg/L
1	V 292.402	343.1	60.5	0.0006 mg/L
1	Zn 213.856	-42.7	1.0	0.0000 mg/L
2	Ag 328.068	-433.9	-13.4	-0.0002 mg/L
2	Al 308.215	498.2	55.6	0.0059 mg/L
2	As 188.979	-20.4	-10.1	-0.0036 mg/L
2	Ba 233.527	-415.0	17.8	0.0002 mg/L
2	Be 313.107	-2310.4	-9.7	0.0000 mg/L
2	Ca 227.547	-24.3	8.0	0.0973 mg/L
2	Cd 228.802	127.9	2.0	0.0000 mg/L
2	Co 228.616	78.6	7.1	0.0002 mg/L
2	Cr 267.716	-34.6	28.3	0.0006 mg/L
2	Cu 324.754	483.1	-65.4	-0.0006 mg/L
2	Fe 273.955	-192.1	-12.5	-0.0006 mg/L
2	K 766.491	6263.5	176.2	0.0739 mg/L
2	Mg 279.079	-904.1	111.0	0.0114 mg/L
2	Mn 257.610	-3306.7	76.5	0.0002 mg/L
2	Mo 202.030	-110.5	3.9	0.0003 mg/L
2	Na 330.237	1257.3	23.3	0.6770 mg/L
2	Ni 231.604	-84.9	-31.8	-0.0008 mg/L
2	Pb 220.353	322.8	-11.8	-0.0008 mg/L
2	Sb 206.833	37.1	6.3	0.0025 mg/L
2	Se 196.026	-11.3	-15.8	-0.0048 mg/L
2	Tl 190.800	-37.5	-3.7	-0.0012 mg/L
2	V 292.402	196.7	-85.9	-0.0009 mg/L
2	Zn 213.856	-28.7	15.0	0.0003 mg/L
3	Ag 328.068	-269.3	151.2	0.0020 mg/L
3	Al 308.215	348.9	-93.6	-0.0100 mg/L
3	As 188.979	-12.9	-2.5	-0.0009 mg/L
3	Ba 233.527	-415.1	17.8	0.0002 mg/L
3	Be 313.107	-2228.2	72.5	0.0000 mg/L
3	Ca 227.547	-37.9	-5.6	-0.0677 mg/L
3	Cd 228.802	139.6	13.7	0.0003 mg/L
3	Co 228.616	70.3	-1.2	0.0000 mg/L
3	Cr 267.716	-69.5	-6.6	-0.0001 mg/L
3	Cu 324.754	575.6	27.1	0.0002 mg/L
3	Fe 273.955	-193.2	-13.5	-0.0006 mg/L
3	K 766.491	5914.4	-172.8	0.0670 mg/L
3	Mg 279.079	-1042.6	-27.5	-0.0028 mg/L
3	Mn 257.610	-3357.0	26.3	0.0001 mg/L
3	Mo 202.030	-116.1	-1.6	-0.0001 mg/L
3	Na 330.237	1363.9	129.9	0.9267 mg/L
3	Ni 231.604	-81.5	-28.4	-0.0007 mg/L
3	Pb 220.353	346.4	11.9	0.0008 mg/L
3	Sb 206.833	36.1	5.3	0.0021 mg/L
3	Se 196.026	10.3	5.9	0.0018 mg/L
3	Tl 190.800	-39.0	-5.1	-0.0016 mg/L
3	V 292.402	191.3	-91.3	-0.0009 mg/L
3	Zn 213.856	-47.2	-3.5	-0.0001 mg/L

Mean Data ----------

ID: CCB Seq. No.: 33 Sample No.: 6 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:58:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	35.5	0.0005	0.00132	mg/L				283.34%
Al 308.215	-35.9	-0.0038	0.00857	mg/L				223.47%
As 188.979	-7.2	-0.0026	0.00146	mg/L				56.80%
Ba 233.527	24.5	0.0002	0.00011	mg/L				47.51%
Be 313.107	52.5	0.0000	0.00002	mg/L				104.79%
Ca 227.547	2.5	0.0299	0.08654	mg/L				289.51%
Cd 228.802	6.7	0.0002	0.00015	mg/L				93.45%
Co 228.616	0.8	0.0000	0.00015	mg/L				664.20%
Cr 267.716	8.2	0.0002	0.00039	mg/L				219.96%
Cu 324.754	-71.4	-0.0006	0.00089	mg/L				142.38%
Fe 273.955	-9.6	-0.0005	0.00028	mg/L				61.13%
K 766.491	66.7	0.0717	0.00406	mg/L				5.66%
Mg 279.079	39.2	0.0040	0.00710	mg/L				177.07%
Mn 257.610	60.8	0.0001	0.00007	mg/L				49.29%
Mo 202.030	6.4	0.0005	0.00070	mg/L				148.57%
Na 330.237	36.8	0.7086	0.20420	mg/L				28.82%
Ni 231.604	-28.6	-0.0007	0.00008	mg/L				11.07%
Pb 220.353	9.0	0.0006	0.00135	mg/L				216.43%
Sb 206.833	5.0	0.0020	0.00059	mg/L				29.48%
Se 196.026	-3.8	-0.0012	0.00334	mg/L				290.65%
Tl 190.800	-3.1	-0.0010	0.00075	mg/L				76.50%
V 292.402	-38.9	-0.0004	0.00085	mg/L				221.48%
Zn 213.856	4.2	0.0001	0.00018	mg/L				229.77%

Calibration Summary
Method: 23ME Date: 04/28/03 01:00:10 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	76461.4	0.00000	0.999447
Al 308.215	3	Linear-thru-Zero	0.0	9348.5	0.00000	0.999944
As 188.979	3	Linear-thru-Zero	0.0	2781.3	0.00000	0.999845
Ba 233.527	3	Linear-thru-Zero	0.0	110579.1	0.00000	0.999592
Be 313.107	3	Linear-thru-Zero	0.0	2476626.2	0.00000	0.999863
Ca 227.547	3	Linear-thru-Zero	0.0	82.3	0.00000	0.999783
Cd 228.802	3	Linear-thru-Zero	0.0	41457.0	0.00000	0.999802
Co 228.616	3	Linear-thru-Zero	0.0	36369.9	0.00000	0.999837
Cr 267.716	3	Linear-thru-Zero	0.0	45887.0	0.00000	0.999346
Cu 324.754	3	Linear-thru-Zero	0.0	113751.6	0.00000	0.999404
Fe 273.955	3	Linear-thru-Zero	0.0	21297.8	0.00000	0.999864
K 766.491	3	Non-Linear	-3599.7	51085.7	428.04235	0.998180
Mg 279.079	3	Linear-thru-Zero	0.0	9773.5	0.00000	0.999837
Mn 257.610	3	Linear-thru-Zero	0.0	428277.7	0.00000	0.999692
Mo 202.030	3	Linear-thru-Zero	0.0	13739.8	0.00000	0.999279
Na 330.237	3	Non-Linear	-265.6	426.4	0.34184	0.999073
Ni 231.604	3	Linear-thru-Zero	0.0	40222.9	0.00000	0.999942
Pb 220.353	3	Linear-thru-Zero	0.0	14432.5	0.00000	0.999961
Sb 206.833	3	Linear-thru-Zero	0.0	2499.3	0.00000	0.999778
Se 196.026	3	Linear-thru-Zero	0.0	3293.9	0.00000	0.999990
Tl 190.800	3	Linear-thru-Zero	0.0	3181.7	0.00000	0.999881
V 292.402	3	Linear-thru-Zero	0.0	100931.1	0.00000	0.999862
Zn 213.856	3	Linear-thru-Zero	0.0	53324.3	0.00000	0.999994

Replicate Data
ID: 2864-8 F=10 Date: 04/28/03 01:01:25 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-478.5	-58.0	-0.0008	mg/L	-0.0076	ppm
1	Al 308.215	419.8	-22.7	-0.0024	mg/L	-0.0243	ppm
1	As 188.979	-11.5	-1.2	-0.0004	mg/L	-0.0042	ppm
1	Ba 233.527	710.2	1143.1	0.0103	mg/L	0.1034	ppm
1	Be 313.107	-2335.5	-34.8	0.0000	mg/L	-0.0001	ppm
1	Ca 227.547	482.8	515.1	6.258	mg/L	62.58	ppm
1	Cd 228.802	123.7	-2.2	-0.0001	mg/L	-0.0005	ppm
1	Co 228.616	54.2	-17.3	-0.0005	mg/L	-0.0047	ppm

1 Cr 267.716	-38.9	24.0	0.0005 mg/L	0.0052 ppm	
1 Cu 324.754	558.3	9.8	0.0001 mg/L	0.0009 ppm	
1 Fe 273.955	2528.4	2708.1	0.1272 mg/L	1.272 ppm	
1 K 766.491	555959.1	549871.8	9.997 mg/L	99.97 ppm	
1 Mg 279.079	135650.1	136665.2	13.98 mg/L	139.8 ppm	
1 Mn 257.610	7554.8	10938.0	0.0255 mg/L	0.2554 ppm	
1 Mo 202.030	-110.1	4.3	0.0003 mg/L	0.0031 ppm	
1 Na 330.237	91042.5	89808.4	184.1 mg/L	1841 ppm	
1 Ni 231.604	30.9	84.0	0.0021 mg/L	0.0209 ppm	
1 Pb 220.353	338.4	3.8	0.0003 mg/L	0.0026 ppm	
1 Sb 206.833	38.5	7.8	0.0031 mg/L	0.0311 ppm	
1 Se 196.026	6.9	2.4	0.0007 mg/L	0.0074 ppm	
1 Tl 190.800	-40.4	-6.6	-0.0021 mg/L	-0.0206 ppm	
1 V 292.402	253.8	-28.8	-0.0003 mg/L	-0.0029 ppm	
1 Zn 213.856	30.4	74.1	0.0014 mg/L	0.0139 ppm	
2 Ag 328.068	-482.7	-62.2	-0.0008 mg/L	-0.0081 ppm	
2 Al 308.215	390.0	-52.5	-0.0056 mg/L	-0.0562 ppm	
2 As 188.979	-9.9	0.5	0.0002 mg/L	0.0017 ppm	
2 Ba 233.527	661.3	1094.2	0.0099 mg/L	0.0989 ppm	
2 Be 313.107	-2210.1	90.6	0.0000 mg/L	0.0004 ppm	
2 Ca 227.547	479.3	511.6	6.216 mg/L	62.16 ppm	
2 Cd 228.802	125.5	-0.4	0.0000 mg/L	-0.0001 ppm	
2 Co 228.616	65.3	-6.2	-0.0002 mg/L	-0.0017 ppm	
2 Cr 267.716	-50.3	12.6	0.0003 mg/L	0.0027 ppm	
2 Cu 324.754	701.2	152.7	0.0013 mg/L	0.0134 ppm	
2 Fe 273.955	2439.7	2619.4	0.1230 mg/L	1.230 ppm	
2 K 766.491	605968.5	599881.3	10.83 mg/L	108.3 ppm	
2 Mg 279.079	132523.0	133538.1	13.66 mg/L	136.6 ppm	
2 Mn 257.610	7547.7	10930.9	0.0255 mg/L	0.2552 ppm	
2 Mo 202.030	-105.8	8.6	0.0006 mg/L	0.0063 ppm	
2 Na 330.237	92590.1	91356.0	186.9 mg/L	1869 ppm	
2 Ni 231.604	13.6	66.7	0.0017 mg/L	0.0166 ppm	
2 Pb 220.353	320.1	-14.5	-0.0010 mg/L	-0.0100 ppm	
2 Sb 206.833	25.6	-5.1	-0.0021 mg/L	-0.0206 ppm	
2 Se 196.026	6.8	2.4	0.0007 mg/L	0.0071 ppm	
2 Tl 190.800	-40.0	-6.2	-0.0019 mg/L	-0.0193 ppm	
2 V 292.402	321.9	39.3	0.0004 mg/L	0.0039 ppm	
2 Zn 213.856	38.4	82.1	0.0015 mg/L	0.0154 ppm	
3 Ag 328.068	-400.3	20.2	0.0003 mg/L	0.0026 ppm	
3 Al 308.215	487.9	45.4	0.0049 mg/L	0.0485 ppm	
3 As 188.979	-15.5	-5.2	-0.0019 mg/L	-0.0187 ppm	
3 Ba 233.527	651.1	1083.9	0.0098 mg/L	0.0980 ppm	
3 Be 313.107	-2326.3	-25.6	0.0000 mg/L	-0.0001 ppm	
3 Ca 227.547	454.2	486.5	5.911 mg/L	59.11 ppm	
3 Cd 228.802	123.6	-2.3	-0.0001 mg/L	-0.0005 ppm	
3 Co 228.616	66.4	-5.1	-0.0001 mg/L	-0.0014 ppm	
3 Cr 267.716	-43.2	19.7	0.0004 mg/L	0.0043 ppm	
3 Cu 324.754	519.9	-28.6	-0.0003 mg/L	-0.0025 ppm	
3 Fe 273.955	2439.1	2618.8	0.1230 mg/L	1.230 ppm	
3 K 766.491	611461.1	605373.9	10.92 mg/L	109.2 ppm	
3 Mg 279.079	132447.4	133462.5	13.66 mg/L	136.6 ppm	
3 Mn 257.610	7493.5	10876.8	0.0254 mg/L	0.2540 ppm	
3 Mo 202.030	-91.0	23.4	0.0017 mg/L	0.0170 ppm	
3 Na 330.237	93062.4	91828.4	187.7 mg/L	1877 ppm	
3 Ni 231.604	38.3	91.4	0.0023 mg/L	0.0227 ppm	
3 Pb 220.353	311.3	-23.3	-0.0016 mg/L	-0.0161 ppm	
3 Sb 206.833	47.7	16.9	0.0068 mg/L	0.0676 ppm	
3 Se 196.026	-1.7	-6.1	-0.0019 mg/L	-0.0186 ppm	
3 Tl 190.800	-46.5	-12.7	-0.0040 mg/L	-0.0399 ppm	
3 V 292.402	157.4	-125.2	-0.0012 mg/L	-0.0124 ppm	
3 Zn 213.856	18.9	62.6	0.0012 mg/L	0.0117 ppm	

Mean Data

ID: 2864-8 F=10 Seq. No.: 34 Sample No.: 1 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 04/28/03 01:01:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	-33.4	-0.0004	0.00061	mg/L	-0.0044	0.00607	ppm	139.07%
Al 308.215	-10.0	-0.0011	0.00537	mg/L	-0.0107	0.05368	ppm	503.37%

As 188.979	-2.0	-0.0007	0.00105 mg/L	-0.0071	0.01050 ppm	148.39%
Ba 233.527	1107.1	0.0100	0.00029 mg/L	0.1001	0.00286 ppm	2.86%
Be 313.107	10.1	0.0000	0.00003 mg/L	0.0000	0.00028 ppm	693.80%
Ca 227.547	504.4	6.128	0.1893 mg/L	61.28	1.893 ppm	3.09%
Cd 228.802	-1.6	0.0000	0.00003 mg/L	-0.0004	0.00025 ppm	64.68%
Co 228.616	-9.5	-0.0003	0.00019 mg/L	-0.0026	0.00185 ppm	70.88%
Cr 267.716	18.8	0.0004	0.00013 mg/L	0.0041	0.00126 ppm	30.86%
Cu 324.754	44.6	0.0004	0.00084 mg/L	0.0039	0.00840 ppm	213.94%
Fe 273.955	2648.7	0.1244	0.00241 mg/L	1.244	0.0241 ppm	1.94%
K 766.491	585042.3	10.58	0.509 mg/L	105.8	5.09 ppm	4.81%
Mg 279.079	134555.2	13.77	0.187 mg/L	137.7	1.87 ppm	1.36%
Mn 257.610	10915.2	0.0255	0.00008 mg/L	0.2549	0.00078 ppm	0.31%
Mo 202.030	12.1	0.0009	0.00073 mg/L	0.0088	0.00728 ppm	82.68%
Na 330.237	90997.6	186.2	1.91 mg/L	1862	19.1 ppm	1.03%
Ni 231.604	80.7	0.0020	0.00031 mg/L	0.0201	0.00315 ppm	15.69%
Pb 220.353	-11.3	-0.0008	0.00096 mg/L	-0.0078	0.00957 ppm	122.08%
Sb 206.833	6.5	0.0026	0.00443 mg/L	0.0261	0.04433 ppm	170.17%
Se 196.026	-0.5	-0.0001	0.00149 mg/L	-0.0014	0.01495 ppm	>999.9%
Tl 190.800	-8.5	-0.0027	0.00115 mg/L	-0.0266	0.01149 ppm	43.20%
V 292.402	-38.2	-0.0004	0.00082 mg/L	-0.0038	0.00819 ppm	216.09%
Zn 213.856	72.9	0.0014	0.00018 mg/L	0.0137	0.00183 ppm	13.40%

Replicate Data ----------

ID: 2867-1 F=1 Date: 04/28/03 01:04:52 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-329.4	91.1	0.0012 mg/L	0.0012 ppm
1	Al 308.215	858.5	415.9	0.0445 mg/L	0.0445 ppm
1	As 188.979	30.6	40.9	0.0147 mg/L	0.0147 ppm
1	Ba 233.527	2406.8	2839.6	0.0257 mg/L	0.0257 ppm
1	Be 313.107	-2213.2	87.6	0.0000 mg/L	0.0000 ppm
1	Ca 227.547	1702.4	1734.7	21.08 mg/L	21.08 ppm
1	Cd 228.802	131.5	5.6	0.0001 mg/L	0.0001 ppm
1	Co 228.616	75.0	3.6	0.0001 mg/L	0.0001 ppm
1	Cr 267.716	329.6	392.5	0.0086 mg/L	0.0086 ppm
1	Cu 324.754	848.4	299.9	0.0026 mg/L	0.0026 ppm
1	Fe 273.955	1488.7	1668.4	0.0777 mg/L	0.0777 ppm
1	K 766.491	518009.4	511922.1	9.358 mg/L	9.358 ppm
1	Mg 279.079	36004.7	37019.8	3.788 mg/L	3.788 ppm
1	Mn 257.610	-2596.5	786.7	0.0018 mg/L	0.0018 ppm
1	Mo 202.030	477.1	591.5	0.0431 mg/L	0.0431 ppm
1	Na 330.237	59469.6	58235.6	124.7 mg/L	124.7 ppm
1	Ni 231.604	32.5	85.6	0.0021 mg/L	0.0021 ppm
1	Pb 220.353	402.5	67.9	0.0047 mg/L	0.0047 ppm
1	Sb 206.833	42.9	12.1	0.0048 mg/L	0.0048 ppm
1	Se 196.026	11.4	7.0	0.0021 mg/L	0.0021 ppm
1	Tl 190.800	-46.6	-12.8	-0.0040 mg/L	-0.0040 ppm
1	V 292.402	2164.0	1881.4	0.0186 mg/L	0.0186 ppm
1	Zn 213.856	4195.4	4239.1	0.0795 mg/L	0.0795 ppm
2	Ag 328.068	-444.0	-23.5	-0.0003 mg/L	-0.0003 ppm
2	Al 308.215	657.5	214.9	0.0230 mg/L	0.0230 ppm
2	As 188.979	23.5	33.8	0.0122 mg/L	0.0122 ppm
2	Ba 233.527	2318.7	2751.5	0.0249 mg/L	0.0249 ppm
2	Be 313.107	-2268.4	32.3	0.0000 mg/L	0.0000 ppm
2	Ca 227.547	1669.9	1702.3	20.68 mg/L	20.68 ppm
2	Cd 228.802	145.6	19.7	0.0005 mg/L	0.0005 ppm
2	Co 228.616	53.4	-18.1	-0.0005 mg/L	-0.0005 ppm
2	Cr 267.716	317.2	380.1	0.0083 mg/L	0.0083 ppm
2	Cu 324.754	757.8	209.3	0.0018 mg/L	0.0018 ppm
2	Fe 273.955	1425.1	1604.7	0.0747 mg/L	0.0747 ppm
2	K 766.491	519344.5	513257.3	9.380 mg/L	9.380 ppm
2	Mg 279.079	34785.8	35801.0	3.663 mg/L	3.663 ppm
2	Mn 257.610	-2653.4	729.9	0.0017 mg/L	0.0017 ppm
2	Mo 202.030	471.8	586.2	0.0427 mg/L	0.0427 ppm
2	Na 330.237	57430.9	56196.9	120.7 mg/L	120.7 ppm
2	Ni 231.604	33.8	86.9	0.0022 mg/L	0.0022 ppm
2	Pb 220.353	413.6	79.0	0.0055 mg/L	0.0055 ppm
2	Sb 206.833	54.4	23.7	0.0095 mg/L	0.0095 ppm
2	Se 196.026	11.5	7.0	0.0021 mg/L	0.0021 ppm
2	Tl 190.800	-47.8	-14.0	-0.0044 mg/L	-0.0044 ppm

2	V 292.402	2088.3	1805.7	0.0179 mg/L	0.0179 ppm
2	Zn 213.856	4085.6	4129.3	0.0774 mg/L	0.0774 ppm
3	Ag 328.068	-455.1	-34.6	-0.0005 mg/L	-0.0005 ppm
3	Al 308.215	847.9	405.3	0.0434 mg/L	0.0434 ppm
3	As 188.979	32.3	42.6	0.0153 mg/L	0.0153 ppm
3	Ba 233.527	2307.5	2740.3	0.0248 mg/L	0.0248 ppm
3	Be 313.107	-2348.9	-48.2	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	1662.8	1695.1	20.60 mg/L	20.60 ppm
3	Cd 228.802	140.3	14.4	0.0003 mg/L	0.0003 ppm
3	Co 228.616	74.6	3.2	0.0001 mg/L	0.0001 ppm
3	Cr 267.716	320.4	383.3	0.0084 mg/L	0.0084 ppm
3	Cu 324.754	939.1	390.6	0.0034 mg/L	0.0034 ppm
3	Fe 273.955	1407.7	1587.3	0.0739 mg/L	0.0739 ppm
3	K 766.491	504412.1	498324.8	9.127 mg/L	9.127 ppm
3	Mg 279.079	33422.7	34437.9	3.524 mg/L	3.524 ppm
3	Mn 257.610	-2653.2	730.0	0.0017 mg/L	0.0017 ppm
3	Mo 202.030	468.1	582.5	0.0424 mg/L	0.0424 ppm
3	Na 330.237	55231.6	53997.5	116.4 mg/L	116.4 ppm
3	Ni 231.604	31.0	84.1	0.0021 mg/L	0.0021 ppm
3	Pb 220.353	382.5	48.0	0.0033 mg/L	0.0033 ppm
3	Sb 206.833	49.6	18.9	0.0076 mg/L	0.0076 ppm
3	Se 196.026	5.8	1.3	0.0004 mg/L	0.0004 ppm
3	Tl 190.800	-46.4	-12.6	-0.0040 mg/L	-0.0040 ppm
3	V 292.402	1891.4	1608.8	0.0159 mg/L	0.0159 ppm
3	Zn 213.856	4068.6	4112.3	0.0771 mg/L	0.0771 ppm

Mean Data

ID: 2867-1 F=1 Seq. No.: 35 Sample No.: 19 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:04:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	11.0	0.0001	0.00091	mg/L	0.0001	0.00091	ppm	631.17%
Al 308.215	345.4	0.0369	0.01210	mg/L	0.0369	0.01210	ppm	32.75%
As 188.979	39.1	0.0141	0.00167	mg/L	0.0141	0.00167	ppm	11.89%
Ba 233.527	2777.2	0.0251	0.00049	mg/L	0.0251	0.00049	ppm	1.96%
Be 313.107	23.9	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	285.62%
Ca 227.547	1710.7	20.78	0.256	mg/L	20.78	0.256	ppm	1.23%
Cd 228.802	13.2	0.0003	0.00017	mg/L	0.0003	0.00017	ppm	54.09%
Co 228.616	-3.8	-0.0001	0.00034	mg/L	-0.0001	0.00034	ppm	326.98%
Cr 267.716	385.3	0.0084	0.00014	mg/L	0.0084	0.00014	ppm	1.68%
Cu 324.754	299.9	0.0026	0.00080	mg/L	0.0026	0.00080	ppm	30.23%
Fe 273.955	1620.1	0.0754	0.00199	mg/L	0.0754	0.00199	ppm	2.64%
K 766.491	507834.7	9.288	0.1400	mg/L	9.288	0.1400	ppm	1.51%
Mg 279.079	35752.9	3.658	0.1322	mg/L	3.658	0.1322	ppm	3.61%
Mn 257.610	748.9	0.0017	0.00008	mg/L	0.0017	0.00008	ppm	4.38%
Mo 202.030	586.7	0.0427	0.00033	mg/L	0.0427	0.00033	ppm	0.77%
Na 330.237	56143.3	120.6	4.17	mg/L	120.6	4.17	ppm	3.45%
Ni 231.604	85.5	0.0021	0.00004	mg/L	0.0021	0.00004	ppm	1.67%
Pb 220.353	65.0	0.0045	0.00109	mg/L	0.0045	0.00109	ppm	24.20%
Sb 206.833	18.2	0.0073	0.00233	mg/L	0.0073	0.00233	ppm	31.92%
Se 196.026	5.1	0.0016	0.00099	mg/L	0.0016	0.00099	ppm	63.79%
Tl 190.800	-13.1	-0.0041	0.00024	mg/L	-0.0041	0.00024	ppm	5.82%
V 292.402	1765.3	0.0175	0.00139	mg/L	0.0175	0.00139	ppm	7.97%
Zn 213.856	4160.2	0.0780	0.00129	mg/L	0.0780	0.00129	ppm	1.65%

Replicate Data

ID: 2867-2 F=1 Date: 04/28/03 01:08:22 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-413.7	6.8	0.0001	mg/L	0.0001	ppm
1	Al 308.215	748.1	305.5	0.0327	mg/L	0.0327	ppm
1	As 188.979	-3.5	6.8	0.0025	mg/L	0.0025	ppm
1	Ba 233.527	3913.3	4346.2	0.0393	mg/L	0.0393	ppm
1	Be 313.107	-2397.8	-97.1	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	1709.4	1741.7	21.16	mg/L	21.16	ppm
1	Cd 228.802	135.1	9.2	0.0002	mg/L	0.0002	ppm
1	Co 228.616	66.7	-4.8	-0.0001	mg/L	-0.0001	ppm
1	Cr 267.716	297.1	360.0	0.0078	mg/L	0.0078	ppm

1	Cu 324.754	616.8	68.3	0.0006 mg/L	0.0006 ppm
1	Fe 273.955	515.0	694.7	0.0318 mg/L	0.0318 ppm
1	K 766.491	314994.2	308906.9	5.832 mg/L	5.832 ppm
1	Mg 279.079	41837.4	42852.6	4.385 mg/L	4.385 ppm
1	Mn 257.610	-3142.0	241.2	0.0006 mg/L	0.0006 ppm
1	Mo 202.030	237.4	351.8	0.0256 mg/L	0.0256 ppm
1	Na 330.237	49715.7	48481.7	105.4 mg/L	105.4 ppm
1	Ni 231.604	-52.0	1.0	0.0000 mg/L	0.0000 ppm
1	Pb 220.353	361.0	26.5	0.0018 mg/L	0.0018 ppm
1	Sb 206.833	45.9	15.2	0.0061 mg/L	0.0061 ppm
1	Se 196.026	0.6	-3.8	-0.0012 mg/L	-0.0012 ppm
1	Tl 190.800	-37.9	-4.1	-0.0013 mg/L	-0.0013 ppm
1	V 292.402	3466.8	3184.3	0.0315 mg/L	0.0315 ppm
1	Zn 213.856	172.6	216.3	0.0041 mg/L	0.0041 ppm
2	Ag 328.068	-224.5	196.0	0.0026 mg/L	0.0026 ppm
2	Al 308.215	819.1	376.5	0.0403 mg/L	0.0403 ppm
2	As 188.979	-5.1	5.3	0.0019 mg/L	0.0019 ppm
2	Ba 233.527	3765.5	4198.4	0.0380 mg/L	0.0380 ppm
2	Be 313.107	-2261.8	39.0	0.0000 mg/L	0.0000 ppm
2	Ca 227.547	1676.5	1708.8	20.76 mg/L	20.76 ppm
2	Cd 228.802	121.9	-4.0	-0.0001 mg/L	-0.0001 ppm
2	Co 228.616	73.3	1.9	0.0001 mg/L	0.0001 ppm
2	Cr 267.716	288.8	351.7	0.0077 mg/L	0.0077 ppm
2	Cu 324.754	610.6	62.1	0.0005 mg/L	0.0005 ppm
2	Fe 273.955	511.7	691.3	0.0317 mg/L	0.0317 ppm
2	K 766.491	330274.4	324187.1	6.104 mg/L	6.104 ppm
2	Mg 279.079	40430.7	41445.8	4.241 mg/L	4.241 ppm
2	Mn 257.610	-3196.1	187.1	0.0004 mg/L	0.0004 ppm
2	Mo 202.030	226.8	341.2	0.0248 mg/L	0.0248 ppm
2	Na 330.237	48293.7	47059.7	102.6 mg/L	102.6 ppm
2	Ni 231.604	-75.2	-22.1	-0.0005 mg/L	-0.0005 ppm
2	Pb 220.353	327.6	-7.0	-0.0005 mg/L	-0.0005 ppm
2	Sb 206.833	44.5	13.7	0.0055 mg/L	0.0055 ppm
2	Se 196.026	1.8	-2.7	-0.0008 mg/L	-0.0008 ppm
2	Tl 190.800	-52.6	-18.8	-0.0059 mg/L	-0.0059 ppm
2	V 292.402	3331.3	3048.7	0.0302 mg/L	0.0302 ppm
2	Zn 213.856	170.4	214.1	0.0040 mg/L	0.0040 ppm
3	Ag 328.068	-260.0	160.5	0.0021 mg/L	0.0021 ppm
3	Al 308.215	747.9	305.4	0.0327 mg/L	0.0327 ppm
3	As 188.979	-7.5	2.9	0.0010 mg/L	0.0010 ppm
3	Ba 233.527	3734.2	4167.1	0.0377 mg/L	0.0377 ppm
3	Be 313.107	-2367.9	-67.2	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	1684.8	1717.2	20.86 mg/L	20.86 ppm
3	Cd 228.802	134.0	8.1	0.0002 mg/L	0.0002 ppm
3	Co 228.616	64.6	-6.9	-0.0002 mg/L	-0.0002 ppm
3	Cr 267.716	288.2	351.2	0.0077 mg/L	0.0077 ppm
3	Cu 324.754	698.1	149.6	0.0013 mg/L	0.0013 ppm
3	Fe 273.955	512.4	692.1	0.0317 mg/L	0.0317 ppm
3	K 766.491	319527.4	313440.1	5.913 mg/L	5.913 ppm
3	Mg 279.079	38978.9	39994.0	4.092 mg/L	4.092 ppm
3	Mn 257.610	-3196.8	186.5	0.0004 mg/L	0.0004 ppm
3	Mo 202.030	221.7	336.1	0.0245 mg/L	0.0245 ppm
3	Na 330.237	46766.1	45532.1	99.47 mg/L	99.47 ppm
3	Ni 231.604	-58.0	-4.9	-0.0001 mg/L	-0.0001 ppm
3	Pb 220.353	355.7	21.1	0.0015 mg/L	0.0015 ppm
3	Sb 206.833	50.9	20.1	0.0081 mg/L	0.0081 ppm
3	Se 196.026	4.4	-0.1	0.0000 mg/L	0.0000 ppm
3	Tl 190.800	-54.3	-20.4	-0.0064 mg/L	-0.0064 ppm
3	V 292.402	3342.8	3060.3	0.0303 mg/L	0.0303 ppm
3	Zn 213.856	173.1	216.8	0.0041 mg/L	0.0041 ppm

Mean Data

ID: 2867-2 F=1 Seq. No.: 36 Sample No.: 20 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:08:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	121.1	0.0016	0.00132	mg/L	0.0016	0.00132	ppm	83.04%
Al 308.215	329.1	0.0352	0.00439	mg/L	0.0352	0.00439	ppm	12.47%
As 188.979	5.0	0.0018	0.00072	mg/L	0.0018	0.00072	ppm	40.18%

Ba 233.527	4237.2	0.0383	0.00086 mg/L	0.0383	0.00086 ppm	2.26%
Be 313.107	-41.8	0.0000	0.00003 mg/L	0.0000	0.00003 ppm	171.19%
Ca 227.547	1722.6	20.93	0.208 mg/L	20.93	0.208 ppm	0.99%
Cd 228.802	4.4	0.0001	0.00018 mg/L	0.0001	0.00018 ppm	165.76%
Co 228.616	-3.3	-0.0001	0.00013 mg/L	-0.0001	0.00013 ppm	139.20%
Cr 267.716	354.3	0.0077	0.00011 mg/L	0.0077	0.00011 ppm	1.40%
Cu 324.754	93.3	0.0008	0.00043 mg/L	0.0008	0.00043 ppm	52.27%
Fe 273.955	692.7	0.0317	0.00007 mg/L	0.0317	0.00007 ppm	0.23%
K 766.491	315511.4	5.950	0.1396 mg/L	5.950	0.1396 ppm	2.35%
Mg 279.079	41430.8	4.239	0.1462 mg/L	4.239	0.1462 ppm	3.45%
Mn 257.610	204.9	0.0005	0.00007 mg/L	0.0005	0.00007 ppm	15.33%
Mo 202.030	343.1	0.0250	0.00058 mg/L	0.0250	0.00058 ppm	2.33%
Na 330.237	47024.5	102.5	2.97 mg/L	102.5	2.97 ppm	2.90%
Ni 231.604	-8.6	-0.0002	0.00030 mg/L	-0.0002	0.00030 ppm	139.08%
Pb 220.353	13.5	0.0009	0.00125 mg/L	0.0009	0.00125 ppm	132.87%
Sb 206.833	16.3	0.0065	0.00135 mg/L	0.0065	0.00135 ppm	20.60%
Se 196.026	-2.2	-0.0007	0.00058 mg/L	-0.0007	0.00058 ppm	87.82%
Tl 190.800	-14.4	-0.0045	0.00283 mg/L	-0.0045	0.00283 ppm	62.22%
V 292.402	3097.7	0.0307	0.00074 mg/L	0.0307	0.00074 ppm	2.43%
Zn 213.856	215.7	0.0040	0.00003 mg/L	0.0040	0.00003 ppm	0.67%

Replicate Data ----------

ID: 2867-3 F=1 Date: 04/28/03 01:11:54 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-201.9	218.6	0.0029	mg/L	0.0029	ppm
1	Al 308.215	705.8	263.3	0.0282	mg/L	0.0282	ppm
1	As 188.979	103.3	113.6	0.0408	mg/L	0.0408	ppm
1	Ba 233.527	4279.2	4712.0	0.0426	mg/L	0.0426	ppm
1	Be 313.107	-2423.2	-122.4	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	5776.6	5808.9	70.58	mg/L	70.58	ppm
1	Cd 228.802	141.9	16.0	0.0004	mg/L	0.0004	ppm
1	Co 228.616	98.7	27.3	0.0007	mg/L	0.0007	ppm
1	Cr 267.716	-4.6	58.3	0.0013	mg/L	0.0013	ppm
1	Cu 324.754	799.6	251.1	0.0022	mg/L	0.0022	ppm
1	Fe 273.955	346.8	526.4	0.0225	mg/L	0.0225	ppm
1	K 766.491	1320857.2	1314769.9	21.82	mg/L	21.82	ppm
1	Mg 279.079	108259.7	109274.8	11.18	mg/L	11.18	ppm
1	Mn 257.610	-2923.4	459.8	0.0011	mg/L	0.0011	ppm
1	Mo 202.030	976.2	1090.6	0.0794	mg/L	0.0794	ppm
1	Na 330.237	167462.4	166228.4	312.3	mg/L	312.3	ppm
1	Ni 231.604	20.3	73.4	0.0018	mg/L	0.0018	ppm
1	Pb 220.353	333.3	-1.2	-0.0001	mg/L	-0.0001	ppm
1	Sb 206.833	41.1	10.3	0.0041	mg/L	0.0041	ppm
1	Se 196.026	7.2	2.8	0.0008	mg/L	0.0008	ppm
1	Tl 190.800	-55.7	-21.9	-0.0069	mg/L	-0.0069	ppm
1	V 292.402	4115.4	3832.8	0.0380	mg/L	0.0380	ppm
1	Zn 213.856	128.3	172.0	0.0032	mg/L	0.0032	ppm
2	Ag 328.068	-358.2	62.3	0.0008	mg/L	0.0008	ppm
2	Al 308.215	678.1	235.5	0.0252	mg/L	0.0252	ppm
2	As 188.979	93.8	104.1	0.0374	mg/L	0.0374	ppm
2	Ba 233.527	4191.7	4624.5	0.0418	mg/L	0.0418	ppm
2	Be 313.107	-2205.1	95.6	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	5784.2	5816.6	70.67	mg/L	70.67	ppm
2	Cd 228.802	139.9	14.0	0.0003	mg/L	0.0003	ppm
2	Co 228.616	99.9	28.4	0.0008	mg/L	0.0008	ppm
2	Cr 267.716	-16.4	46.5	0.0010	mg/L	0.0010	ppm
2	Cu 324.754	1018.8	470.3	0.0041	mg/L	0.0041	ppm
2	Fe 273.955	330.5	510.1	0.0218	mg/L	0.0218	ppm
2	K 766.491	1372354.5	1366267.2	22.55	mg/L	22.55	ppm
2	Mg 279.079	107910.7	108925.8	11.15	mg/L	11.15	ppm
2	Mn 257.610	-2893.9	489.3	0.0011	mg/L	0.0011	ppm
2	Mo 202.030	964.0	1078.4	0.0785	mg/L	0.0785	ppm
2	Na 330.237	168282.3	167048.2	313.6	mg/L	313.6	ppm
2	Ni 231.604	41.9	95.0	0.0024	mg/L	0.0024	ppm
2	Pb 220.353	335.1	0.6	0.0000	mg/L	0.0000	ppm
2	Sb 206.833	35.2	4.4	0.0018	mg/L	0.0018	ppm
2	Se 196.026	12.7	8.2	0.0025	mg/L	0.0025	ppm
2	Tl 190.800	-42.1	-8.3	-0.0026	mg/L	-0.0026	ppm
2	V 292.402	4232.3	3949.7	0.0391	mg/L	0.0391	ppm

2 Zn 213.856	133.6	177.4	0.0033 mg/L	0.0033 ppm
3 Ag 328.068	-387.5	33.0	0.0004 mg/L	0.0004 ppm
3 Al 308.215	678.5	236.0	0.0252 mg/L	0.0252 ppm
3 As 188.979	94.2	104.6	0.0376 mg/L	0.0376 ppm
3 Ba 233.527	4162.2	4595.1	0.0416 mg/L	0.0416 ppm
3 Be 313.107	-2336.4	-35.7	0.0000 mg/L	0.0000 ppm
3 Ca 227.547	5701.9	5734.3	69.67 mg/L	69.67 ppm
3 Cd 228.802	125.6	-0.3	0.0000 mg/L	0.0000 ppm
3 Co 228.616	78.1	6.6	0.0002 mg/L	0.0002 ppm
3 Cr 267.716	-17.0	45.9	0.0010 mg/L	0.0010 ppm
3 Cu 324.754	930.3	381.8	0.0034 mg/L	0.0034 ppm
3 Fe 273.955	342.0	521.7	0.0223 mg/L	0.0223 ppm
3 K 766.491	1419871.9	1413784.6	23.23 mg/L	23.23 ppm
3 Mg 279.079	105268.9	106284.0	10.87 mg/L	10.87 ppm
3 Mn 257.610	-2947.8	435.4	0.0010 mg/L	0.0010 ppm
3 Mo 202.030	967.9	1082.3	0.0788 mg/L	0.0788 ppm
3 Na 330.237	165835.8	164601.8	309.7 mg/L	309.7 ppm
3 Ni 231.604	55.7	108.8	0.0027 mg/L	0.0027 ppm
3 Pb 220.353	345.8	11.2	0.0008 mg/L	0.0008 ppm
3 Sb 206.833	40.0	9.3	0.0037 mg/L	0.0037 ppm
3 Se 196.026	31.7	27.2	0.0083 mg/L	0.0083 ppm
3 Tl 190.800	-38.6	-4.8	-0.0015 mg/L	-0.0015 ppm
3 V 292.402	4004.0	3721.4	0.0369 mg/L	0.0369 ppm
3 Zn 213.856	116.3	160.0	0.0030 mg/L	0.0030 ppm

Mean Data ----------

ID: 2867-3 F=1 Seq. No.: 37 Sample No.: 21 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:11:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	104.6	0.0014	0.00130	mg/L	0.0014	0.00130	ppm	95.35%
Al 308.215	244.9	0.0262	0.00170	mg/L	0.0262	0.00170	ppm	6.49%
As 188.979	107.4	0.0386	0.00193	mg/L	0.0386	0.00193	ppm	4.99%
Ba 233.527	4643.9	0.0420	0.00055	mg/L	0.0420	0.00055	ppm	1.31%
Be 313.107	-20.8	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	526.82%
Ca 227.547	5786.6	70.30	0.552	mg/L	70.30	0.552	ppm	0.79%
Cd 228.802	9.9	0.0002	0.00021	mg/L	0.0002	0.00021	ppm	89.80%
Co 228.616	20.8	0.0006	0.00034	mg/L	0.0006	0.00034	ppm	58.99%
Cr 267.716	50.2	0.0011	0.00015	mg/L	0.0011	0.00015	ppm	13.96%
Cu 324.754	367.7	0.0032	0.00097	mg/L	0.0032	0.00097	ppm	29.98%
Fe 273.955	519.4	0.0222	0.00040	mg/L	0.0222	0.00040	ppm	1.81%
K 766.491	1364940.6	22.53	0.704	mg/L	22.53	0.704	ppm	3.12%
Mg 279.079	108161.5	11.07	0.167	mg/L	11.07	0.167	ppm	1.51%
Mn 257.610	461.5	0.0011	0.00006	mg/L	0.0011	0.00006	ppm	5.85%
Mo 202.030	1083.8	0.0789	0.00045	mg/L	0.0789	0.00045	ppm	0.58%
Na 330.237	165959.5	311.8	1.95	mg/L	311.8	1.95	ppm	0.62%
Ni 231.604	92.4	0.0023	0.00044	mg/L	0.0023	0.00044	ppm	19.34%
Pb 220.353	3.5	0.0002	0.00047	mg/L	0.0002	0.00047	ppm	190.96%
Sb 206.833	8.0	0.0032	0.00126	mg/L	0.0032	0.00126	ppm	39.21%
Se 196.026	12.7	0.0039	0.00390	mg/L	0.0039	0.00390	ppm	100.76%
Tl 190.800	-11.7	-0.0037	0.00283	mg/L	-0.0037	0.00283	ppm	77.12%
V 292.402	3834.6	0.0380	0.00113	mg/L	0.0380	0.00113	ppm	2.98%
Zn 213.856	169.8	0.0032	0.00017	mg/L	0.0032	0.00017	ppm	5.23%

Replicate Data ----------

ID: 2867-4 F=1 Date: 04/28/03 01:15:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-107.3	313.2	0.0041	mg/L	0.0041	ppm
1	Al 308.215	695.9	253.4	0.0271	mg/L	0.0271	ppm
1	As 188.979	29.9	40.3	0.0145	mg/L	0.0145	ppm
1	Ba 233.527	4209.3	4642.2	0.0420	mg/L	0.0420	ppm
1	Be 313.107	-2229.2	71.5	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	12193.8	12226.2	148.5	mg/L	148.5	ppm
1	Cd 228.802	136.0	10.1	0.0002	mg/L	0.0002	ppm
1	Co 228.616	97.4	25.9	0.0007	mg/L	0.0007	ppm
1	Cr 267.716	40.2	103.1	0.0022	mg/L	0.0022	ppm
1	Cu 324.754	1215.6	667.1	0.0059	mg/L	0.0059	ppm

1	Fe 273.955	556.7	736.3	0.0303 mg/L	0.0303 ppm
1	K 766.491	1882231.1	1876143.9	29.50 mg/L	29.50 ppm
1	Mg 279.079	214484.4	215499.5	22.05 mg/L	22.05 ppm
1	Mn 257.610	-2681.8	701.4	0.0016 mg/L	0.0016 ppm
1	Mo 202.030	1552.3	1666.7	0.1213 mg/L	0.1213 ppm
1	Na 330.237	173519.5	172285.5	321.7 mg/L	321.7 ppm
1	Ni 231.604	37.8	90.9	0.0023 mg/L	0.0023 ppm
1	Pb 220.353	354.7	20.2	0.0002 mg/L	0.0002 ppm
1	Sb 206.833	40.7	9.9	0.0040 mg/L	0.0040 ppm
1	Se 196.026	14.7	10.2	0.0031 mg/L	0.0031 ppm
1	Tl 190.800	-48.8	-15.0	-0.0047 mg/L	-0.0047 ppm
1	V 292.402	1465.6	1183.0	0.0117 mg/L	0.0117 ppm
1	Zn 213.856	147.1	190.8	0.0036 mg/L	0.0036 ppm
2	Ag 328.068	-138.8	281.7	0.0037 mg/L	0.0037 ppm
2	Al 308.215	644.1	201.5	0.0216 mg/L	0.0216 ppm
2	As 188.979	18.4	28.7	0.0103 mg/L	0.0103 ppm
2	Ba 233.527	4078.9	4511.8	0.0408 mg/L	0.0408 ppm
2	Be 313.107	-2167.3	133.4	0.0001 mg/L	0.0001 ppm
2	Ca 227.547	11898.2	11930.6	145.0 mg/L	145.0 ppm
2	Cd 228.802	130.0	4.1	0.0001 mg/L	0.0001 ppm
2	Co 228.616	111.1	39.6	0.0011 mg/L	0.0011 ppm
2	Cr 267.716	14.2	77.1	0.0017 mg/L	0.0017 ppm
2	Cu 324.754	939.0	390.5	0.0034 mg/L	0.0034 ppm
2	Fe 273.955	542.4	722.1	0.0297 mg/L	0.0297 ppm
2	K 766.491	2006232.3	2000145.0	31.11 mg/L	31.11 ppm
2	Mg 279.079	209564.1	210579.2	21.55 mg/L	21.55 ppm
2	Mn 257.610	-2718.2	665.0	0.0016 mg/L	0.0016 ppm
2	Mo 202.030	1522.9	1637.3	0.1192 mg/L	0.1192 ppm
2	Na 330.237	172732.2	171498.2	320.5 mg/L	320.5 ppm
2	Ni 231.604	40.8	93.8	0.0023 mg/L	0.0023 ppm
2	Pb 220.353	333.7	-0.9	-0.0012 mg/L	-0.0012 ppm
2	Sb 206.833	35.1	4.3	0.0017 mg/L	0.0017 ppm
2	Se 196.026	4.8	0.3	0.0001 mg/L	0.0001 ppm
2	Tl 190.800	-36.2	-2.4	-0.0008 mg/L	-0.0008 ppm
2	V 292.402	1446.2	1163.6	0.0115 mg/L	0.0115 ppm
2	Zn 213.856	107.6	151.3	0.0028 mg/L	0.0028 ppm
3	Ag 328.068	-150.1	270.4	0.0035 mg/L	0.0035 ppm
3	Al 308.215	747.3	304.8	0.0326 mg/L	0.0326 ppm
3	As 188.979	26.9	37.2	0.0134 mg/L	0.0134 ppm
3	Ba 233.527	4049.6	4482.4	0.0405 mg/L	0.0405 ppm
3	Be 313.107	-2397.4	-96.7	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	11968.3	12000.7	145.8 mg/L	145.8 ppm
3	Cd 228.802	142.3	16.4	0.0004 mg/L	0.0004 ppm
3	Co 228.616	81.5	10.0	0.0003 mg/L	0.0003 ppm
3	Cr 267.716	32.5	95.5	0.0021 mg/L	0.0021 ppm
3	Cu 324.754	1189.4	640.9	0.0056 mg/L	0.0056 ppm
3	Fe 273.955	544.8	724.4	0.0298 mg/L	0.0298 ppm
3	K 766.491	1915396.0	1909308.8	29.94 mg/L	29.94 ppm
3	Mg 279.079	211507.6	212522.7	21.74 mg/L	21.74 ppm
3	Mn 257.610	-2727.6	655.6	0.0015 mg/L	0.0015 ppm
3	Mo 202.030	1539.1	1653.5	0.1203 mg/L	0.1203 ppm
3	Na 330.237	172880.7	171646.7	320.7 mg/L	320.7 ppm
3	Ni 231.604	44.9	98.0	0.0024 mg/L	0.0024 ppm
3	Pb 220.353	327.5	-7.0	-0.0017 mg/L	-0.0017 ppm
3	Sb 206.833	41.8	11.0	0.0044 mg/L	0.0044 ppm
3	Se 196.026	0.2	-4.2	-0.0013 mg/L	-0.0013 ppm
3	Tl 190.800	-48.8	-15.0	-0.0047 mg/L	-0.0047 ppm
3	V 292.402	1537.9	1255.4	0.0124 mg/L	0.0124 ppm
3	Zn 213.856	131.9	175.6	0.0033 mg/L	0.0033 ppm

Mean Data ----------

ID: 2867-4 F=1 Seq. No.: 38 Sample No.: 22 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:15:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	288.4	0.0038	0.00029	mg/L	0.0038	0.00029	ppm	7.70%
Al 308.215	253.2	0.0271	0.00552	mg/L	0.0271	0.00552	ppm	20.39%
As 188.979	35.4	0.0127	0.00216	mg/L	0.0127	0.00216	ppm	16.95%
Ba 233.527	4545.5	0.0411	0.00077	mg/L	0.0411	0.00077	ppm	1.87%

Be 313.107	36.1	0.0000	0.00005 mg/L	0.0000	0.00005 ppm	330.07%
Ca 227.547	12052.5	146.4	1.88 mg/L	146.4	1.88 ppm	1.28%
Cd 228.802	10.2	0.0002	0.00015 mg/L	0.0002	0.00015 ppm	60.68%
Co 228.616	25.2	0.0007	0.00041 mg/L	0.0007	0.00041 ppm	58.95%
Cr 267.716	91.9	0.0020	0.00029 mg/L	0.0020	0.00029 ppm	14.54%
Cu 324.754	566.2	0.0050	0.00134 mg/L	0.0050	0.00134 ppm	26.97%
Fe 273.955	727.6	0.0299	0.00030 mg/L	0.0299	0.00030 ppm	1.02%
K 766.491	1928532.5	30.18	0.833 mg/L	30.18	0.833 ppm	2.76%
Mg 279.079	212867.1	21.78	0.254 mg/L	21.78	0.254 ppm	1.16%
Mn 257.610	674.0	0.0016	0.00006 mg/L	0.0016	0.00006 ppm	3.58%
Mo 202.030	1652.5	0.1203	0.00107 mg/L	0.1203	0.00107 ppm	0.89%
Na 330.237	171810.1	321.0	0.65 mg/L	321.0	0.65 ppm	0.20%
Ni 231.604	94.2	0.0023	0.00009 mg/L	0.0023	0.00009 ppm	3.75%
Pb 220.353	4.1	-0.0009	0.00098 mg/L	-0.0009	0.00098 ppm	109.18%
Sb 206.833	8.4	0.0034	0.00144 mg/L	0.0034	0.00144 ppm	42.67%
Se 196.026	2.1	0.0006	0.00224 mg/L	0.0006	0.00224 ppm	351.57%
Tl 190.800	-10.8	-0.0034	0.00228 mg/L	-0.0034	0.00228 ppm	67.27%
V 292.402	1200.7	0.0119	0.00048 mg/L	0.0119	0.00048 ppm	4.03%
Zn 213.856	172.6	0.0032	0.00037 mg/L	0.0032	0.00037 ppm	11.54%

Replicate Data

ID: 2867-5 F=1 Date: 04/28/03 01:19:03 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-299.8	120.7	0.0016	mg/L	0.0016	ppm
1	Al 308.215	600.1	157.5	0.0169	mg/L	0.0169	ppm
1	As 188.979	106.0	116.3	0.0418	mg/L	0.0418	ppm
1	Ba 233.527	4257.9	4690.8	0.0424	mg/L	0.0424	ppm
1	Be 313.107	-2357.9	-57.1	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	5765.0	5797.3	70.43	mg/L	70.43	ppm
1	Cd 228.802	127.8	1.9	0.0000	mg/L	0.0000	ppm
1	Co 228.616	103.1	31.6	0.0009	mg/L	0.0009	ppm
1	Cr 267.716	19.9	82.8	0.0018	mg/L	0.0018	ppm
1	Cu 324.754	1008.8	460.3	0.0040	mg/L	0.0040	ppm
1	Fe 273.955	365.9	545.6	0.0234	mg/L	0.0234	ppm
1	K 766.491	1333328.1	1327240.9	22.00	mg/L	22.00	ppm
1	Mg 279.079	106745.4	107760.5	11.03	mg/L	11.03	ppm
1	Mn 257.610	-2993.5	389.7	0.0009	mg/L	0.0009	ppm
1	Mo 202.030	1002.6	1117.0	0.0813	mg/L	0.0813	ppm
1	Na 330.237	164748.1	163514.1	308.0	mg/L	308.0	ppm
1	Ni 231.604	73.9	127.0	0.0032	mg/L	0.0032	ppm
1	Pb 220.353	321.7	-12.8	-0.0009	mg/L	-0.0009	ppm
1	Sb 206.833	31.4	0.7	0.0003	mg/L	0.0003	ppm
1	Se 196.026	6.9	2.5	0.0007	mg/L	0.0007	ppm
1	Tl 190.800	-33.7	0.1	0.0000	mg/L	0.0000	ppm
1	V 292.402	4037.3	3754.7	0.0372	mg/L	0.0372	ppm
1	Zn 213.856	171.1	214.8	0.0040	mg/L	0.0040	ppm
2	Ag 328.068	-353.5	67.0	0.0009	mg/L	0.0009	ppm
2	Al 308.215	606.0	163.5	0.0175	mg/L	0.0175	ppm
2	As 188.979	98.8	109.1	0.0392	mg/L	0.0392	ppm
2	Ba 233.527	4190.9	4623.8	0.0418	mg/L	0.0418	ppm
2	Be 313.107	-2302.3	-1.6	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	5713.5	5745.8	69.81	mg/L	69.81	ppm
2	Cd 228.802	129.1	3.2	0.0001	mg/L	0.0001	ppm
2	Co 228.616	115.0	43.6	0.0012	mg/L	0.0012	ppm
2	Cr 267.716	15.6	78.5	0.0017	mg/L	0.0017	ppm
2	Cu 324.754	894.3	345.8	0.0030	mg/L	0.0030	ppm
2	Fe 273.955	329.0	508.6	0.0217	mg/L	0.0217	ppm
2	K 766.491	1484215.2	1478127.9	24.13	mg/L	24.13	ppm
2	Mg 279.079	108895.8	109910.9	11.25	mg/L	11.25	ppm
2	Mn 257.610	-2983.2	400.0	0.0009	mg/L	0.0009	ppm
2	Mo 202.030	967.0	1081.4	0.0787	mg/L	0.0787	ppm
2	Na 330.237	169874.4	168640.4	316.0	mg/L	316.0	ppm
2	Ni 231.604	61.9	115.0	0.0029	mg/L	0.0029	ppm
2	Pb 220.353	330.2	-4.4	-0.0003	mg/L	-0.0003	ppm
2	Sb 206.833	39.4	8.7	0.0035	mg/L	0.0035	ppm
2	Se 196.026	15.9	11.4	0.0035	mg/L	0.0035	ppm
2	Tl 190.800	-38.8	-5.0	-0.0016	mg/L	-0.0016	ppm
2	V 292.402	4280.8	3998.3	0.0396	mg/L	0.0396	ppm
2	Zn 213.856	142.0	185.7	0.0035	mg/L	0.0035	ppm

3 Ag 328.068	-356.2	64.3	0.0008 mg/L	0.0008 ppm	
3 Al 308.215	682.8	240.3	0.0257 mg/L	0.0257 ppm	
3 As 188.979	89.8	100.1	0.0360 mg/L	0.0360 ppm	
3 Ba 233.527	4222.5	4655.3	0.0421 mg/L	0.0421 ppm	
3 Be 313.107	-2161.6	139.1	0.0001 mg/L	0.0001 ppm	
3 Ca 227.547	5806.9	5839.3	70.94 mg/L	70.94 ppm	
3 Cd 228.802	132.3	6.4	0.0002 mg/L	0.0002 ppm	
3 Co 228.616	90.4	18.9	0.0005 mg/L	0.0005 ppm	
3 Cr 267.716	28.3	91.2	0.0020 mg/L	0.0020 ppm	
3 Cu 324.754	922.2	373.7	0.0033 mg/L	0.0033 ppm	
3 Fe 273.955	355.0	534.6	0.0229 mg/L	0.0229 ppm	
3 K 766.491	1443011.6	1436924.3	23.55 mg/L	23.55 ppm	
3 Mg 279.079	108743.5	109758.6	11.23 mg/L	11.23 ppm	
3 Mn 257.610	-2964.1	419.1	0.0010 mg/L	0.0010 ppm	
3 Mo 202.030	988.7	1103.1	0.0803 mg/L	0.0803 ppm	
3 Na 330.237	167992.1	166758.0	313.1 mg/L	313.1 ppm	
3 Ni 231.604	61.2	114.3	0.0028 mg/L	0.0028 ppm	
3 Pb 220.353	313.9	-20.7	-0.0014 mg/L	-0.0014 ppm	
3 Sb 206.833	31.6	0.8	0.0003 mg/L	0.0003 ppm	
3 Se 196.026	11.2	6.7	0.0020 mg/L	0.0020 ppm	
3 Tl 190.800	-31.4	2.4	0.0008 mg/L	0.0008 ppm	
3 V 292.402	4071.0	3788.4	0.0375 mg/L	0.0375 ppm	
3 Zn 213.856	148.3	192.0	0.0036 mg/L	0.0036 ppm	

Mean Data ----------

ID: 2867-5 F=1 Seq. No.: 39 Sample No.: 23 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:19:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	84.0	0.0011	0.00042	mg/L	0.0011	0.00042	ppm	37.92%
Al 308.215	187.1	0.0200	0.00494	mg/L	0.0200	0.00494	ppm	24.67%
As 188.979	108.5	0.0390	0.00292	mg/L	0.0390	0.00292	ppm	7.48%
Ba 233.527	4656.6	0.0421	0.00030	mg/L	0.0421	0.00030	ppm	0.72%
Be 313.107	26.8	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	377.48%
Ca 227.547	5794.1	70.40	0.569	mg/L	70.40	0.569	ppm	0.81%
Cd 228.802	3.8	0.0001	0.00006	mg/L	0.0001	0.00006	ppm	60.17%
Co 228.616	31.3	0.0009	0.00034	mg/L	0.0009	0.00034	ppm	39.38%
Cr 267.716	84.2	0.0018	0.00014	mg/L	0.0018	0.00014	ppm	7.70%
Cu 324.754	393.3	0.0035	0.00052	mg/L	0.0035	0.00052	ppm	15.18%
Fe 273.955	529.6	0.0227	0.00088	mg/L	0.0227	0.00088	ppm	3.89%
K 766.491	1414097.7	23.22	1.102	mg/L	23.22	1.102	ppm	4.74%
Mg 279.079	109143.3	11.17	0.123	mg/L	11.17	0.123	ppm	1.10%
Mn 257.610	402.9	0.0009	0.00003	mg/L	0.0009	0.00003	ppm	3.70%
Mo 202.030	1100.5	0.0801	0.00131	mg/L	0.0801	0.00131	ppm	1.63%
Na 330.237	166304.2	312.4	4.05	mg/L	312.4	4.05	ppm	1.30%
Ni 231.604	118.7	0.0030	0.00018	mg/L	0.0030	0.00018	ppm	6.00%
Pb 220.353	-12.6	-0.0009	0.00056	mg/L	-0.0009	0.00056	ppm	64.39%
Sb 206.833	3.4	0.0014	0.00182	mg/L	0.0014	0.00182	ppm	134.18%
Se 196.026	6.9	0.0021	0.00136	mg/L	0.0021	0.00136	ppm	65.18%
Tl 190.800	-0.8	-0.0003	0.00118	mg/L	-0.0003	0.00118	ppm	466.45%
V 292.402	3847.1	0.0381	0.00131	mg/L	0.0381	0.00131	ppm	3.43%
Zn 213.856	197.5	0.0037	0.00029	mg/L	0.0037	0.00029	ppm	7.74%

Replicate Data ----------

ID: CCV 1447B Date: 04/28/03 01:22:20 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	69733.3	70153.8	0.9175	mg/L		
1 Al 308.215	44316.8	43874.2	4.693	mg/L		
1 As 188.979	1343.1	1353.4	0.4887	mg/L		
1 Ba 233.527	506032.6	506465.5	4.580	mg/L		
1 Be 313.107	1156318.9	1158619.7	0.4678	mg/L		
1 Ca 227.547	3814.2	3846.5	46.73	mg/L		
1 Cd 228.802	39346.6	39220.7	0.9461	mg/L		
1 Co 228.616	68873.9	68802.4	1.892	mg/L		
1 Cr 267.716	21029.1	21092.0	0.4597	mg/L		
1 Cu 324.754	212150.8	211602.3	1.860	mg/L		
1 Fe 273.955	99205.3	99384.9	4.657	mg/L		

1	K 766.491	837181.7	831094.4	14.56	mg/L
1	Mg 279.079	225591.8	226606.9	23.19	mg/L
1	Mn 257.610	794064.1	797447.3	1.862	mg/L
1	Mo 202.030	25165.0	25279.4	1.840	mg/L
1	Na 330.237	45489.5	44255.4	96.88	mg/L
1	Ni 231.604	76645.9	76699.0	1.907	mg/L
1	Pb 220.353	7342.6	7008.1	0.4856	mg/L
1	Sb 206.833	4795.4	4764.7	1.909	mg/L
1	Se 196.026	1586.8	1582.3	0.4804	mg/L
1	Tl 190.800	1520.6	1554.5	0.4915	mg/L
1	V 292.402	187884.0	187601.4	1.859	mg/L
1	Zn 213.856	103826.7	103870.4	1.948	mg/L
2	Ag 328.068	69993.9	70414.4	0.9209	mg/L
2	Al 308.215	44378.2	43935.7	4.700	mg/L
2	As 188.979	1363.0	1373.3	0.4959	mg/L
2	Ba 233.527	504870.3	505303.1	4.570	mg/L
2	Be 313.107	1153219.9	1155520.7	0.4666	mg/L
2	Ca 227.547	3954.7	3987.0	48.44	mg/L
2	Cd 228.802	40265.0	40139.1	0.9682	mg/L
2	Co 228.616	68573.3	68501.8	1.883	mg/L
2	Cr 267.716	21533.1	21596.0	0.4706	mg/L
2	Cu 324.754	212511.9	211963.4	1.863	mg/L
2	Fe 273.955	99047.0	99226.7	4.649	mg/L
2	K 766.491	849053.2	842965.9	14.75	mg/L
2	Mg 279.079	225678.4	226693.5	23.19	mg/L
2	Mn 257.610	791335.6	794718.9	1.856	mg/L
2	Mo 202.030	25855.0	25969.4	1.890	mg/L
2	Na 330.237	45424.7	44190.7	96.75	mg/L
2	Ni 231.604	76633.8	76686.8	1.907	mg/L
2	Pb 220.353	7443.3	7108.8	0.4926	mg/L
2	Sb 206.833	5001.1	4970.3	1.991	mg/L
2	Se 196.026	1677.9	1673.4	0.5080	mg/L
2	Tl 190.800	1523.4	1557.2	0.4924	mg/L
2	V 292.402	188507.9	188225.3	1.865	mg/L
2	Zn 213.856	104127.6	104171.3	1.954	mg/L
3	Ag 328.068	68077.5	68498.0	0.8959	mg/L
3	Al 308.215	43437.9	42995.4	4.599	mg/L
3	As 188.979	1328.1	1338.4	0.4833	mg/L
3	Ba 233.527	494256.6	494689.5	4.474	mg/L
3	Be 313.107	1126308.3	1128609.0	0.4557	mg/L
3	Ca 227.547	3846.2	3878.5	47.12	mg/L
3	Cd 228.802	38965.2	38839.3	0.9369	mg/L
3	Co 228.616	66846.0	66774.5	1.836	mg/L
3	Cr 267.716	20868.5	20931.4	0.4562	mg/L
3	Cu 324.754	207444.6	206896.1	1.819	mg/L
3	Fe 273.955	96899.0	97078.6	4.549	mg/L
3	K 766.491	833523.3	827436.0	14.50	mg/L
3	Mg 279.079	220467.4	221482.5	22.66	mg/L
3	Mn 257.610	774348.9	777732.1	1.816	mg/L
3	Mo 202.030	25107.9	25222.3	1.836	mg/L
3	Na 330.237	44422.5	43188.5	94.71	mg/L
3	Ni 231.604	74890.4	74943.5	1.863	mg/L
3	Pb 220.353	7291.5	6957.0	0.4820	mg/L
3	Sb 206.833	4869.6	4838.9	1.938	mg/L
3	Se 196.026	1629.4	1625.0	0.4933	mg/L
3	Tl 190.800	1452.4	1486.2	0.4700	mg/L
3	V 292.402	184193.1	183910.5	1.822	mg/L
3	Zn 213.856	101650.0	101693.7	1.907	mg/L

Mean Data ----------

ID: CCV 1447B Seq. No.: 40 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:22:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	69688.7	0.9114	0.01359	mg/L				1.49%
Al 308.215	43601.8	4.664	0.0563	mg/L				1.21%
As 188.979	1355.1	0.4893	0.00633	mg/L				1.29%
Ba 233.527	502152.7	4.541	0.0587	mg/L				1.29%
Be 313.107	1147583.1	0.4634	0.00666	mg/L				1.44%

Ca 227.547	3904.0	47.43	0.894	mg/L	1.89%
Cd 228.802	39399.7	0.9504	0.01612	mg/L	1.70%
Co 228.616	68026.2	1.870	0.0301	mg/L	1.61%
Cr 267.716	21206.5	0.4621	0.00756	mg/L	1.64%
Cu 324.754	210153.9	1.847	0.0249	mg/L	1.35%
Fe 273.955	98563.4	4.618	0.0604	mg/L	1.31%
K 766.491	833832.1	14.61	0.128	mg/L	0.87%
Mg 279.079	224927.6	23.01	0.305	mg/L	1.33%
Mn 257.610	789966.1	1.845	0.0249	mg/L	1.35%
Mo 202.030	25490.4	1.855	0.0303	mg/L	1.63%
Na 330.237	43878.2	96.11	1.216	mg/L	1.27%
Ni 231.604	76109.8	1.892	0.0251	mg/L	1.33%
Pb 220.353	7024.6	0.4867	0.00535	mg/L	1.10%
Sb 206.833	4858.0	1.946	0.0417	mg/L	2.14%
Se 196.026	1626.9	0.4939	0.01384	mg/L	2.80%
Tl 190.800	1532.6	0.4846	0.01267	mg/L	2.61%
V 292.402	186579.1	1.849	0.0231	mg/L	1.25%
Zn 213.856	103245.1	1.936	0.0254	mg/L	1.31%

Replicate Data ----------

ID: CCB Date: 04/28/03 01:25:10 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-314.6	105.9	0.0014	mg/L		
1	Al 308.215	521.2	78.6	0.0084	mg/L		
1	As 188.979	-18.3	-7.9	-0.0028	mg/L		
1	Ba 233.527	-412.4	20.4	0.0002	mg/L		
1	Be 313.107	-2246.2	54.5	0.0000	mg/L		
1	Ca 227.547	-26.6	5.7	0.0696	mg/L		
1	Cd 228.802	131.8	5.9	0.0001	mg/L		
1	Co 228.616	88.0	16.5	0.0005	mg/L		
1	Cr 267.716	-65.2	-2.3	0.0000	mg/L		
1	Cu 324.754	592.7	44.2	0.0004	mg/L		
1	Fe 273.955	-178.0	1.6	0.0001	mg/L		
1	K 766.491	6991.7	904.4	0.0881	mg/L		
1	Mg 279.079	-1056.2	-41.1	-0.0042	mg/L		
1	Mn 257.610	-3283.5	99.7	0.0002	mg/L		
1	Mo 202.030	-104.7	9.8	0.0007	mg/L		
1	Na 330.237	1284.8	50.7	0.7413	mg/L		
1	Ni 231.604	-53.3	-0.2	0.0000	mg/L		
1	Pb 220.353	321.5	-13.1	-0.0009	mg/L		
1	Sb 206.833	26.5	-4.2	-0.0017	mg/L		
1	Se 196.026	-3.9	-8.4	-0.0025	mg/L		
1	Tl 190.800	-25.8	8.0	0.0025	mg/L		
1	V 292.402	231.8	-50.8	-0.0005	mg/L		
1	Zn 213.856	-32.1	11.6	0.0002	mg/L		
2	Ag 328.068	-391.3	29.2	0.0004	mg/L		
2	Al 308.215	570.5	127.9	0.0137	mg/L		
2	As 188.979	-6.1	4.2	0.0015	mg/L		
2	Ba 233.527	-419.4	13.5	0.0001	mg/L		
2	Be 313.107	-2117.7	183.0	0.0001	mg/L		
2	Ca 227.547	-42.3	-9.9	-0.1207	mg/L		
2	Cd 228.802	120.4	-5.5	-0.0001	mg/L		
2	Co 228.616	63.7	-7.8	-0.0002	mg/L		
2	Cr 267.716	-57.6	5.3	0.0001	mg/L		
2	Cu 324.754	437.3	-111.2	-0.0010	mg/L		
2	Fe 273.955	-182.9	-3.3	-0.0002	mg/L		
2	K 766.491	6273.5	186.2	0.0741	mg/L		
2	Mg 279.079	-1035.4	-20.2	-0.0021	mg/L		
2	Mn 257.610	-3304.6	78.6	0.0002	mg/L		
2	Mo 202.030	-107.4	7.1	0.0005	mg/L		
2	Na 330.237	1296.4	62.4	0.7686	mg/L		
2	Ni 231.604	-51.4	1.7	0.0000	mg/L		
2	Pb 220.353	356.7	22.2	0.0015	mg/L		
2	Sb 206.833	28.8	-2.0	-0.0008	mg/L		
2	Se 196.026	11.6	7.1	0.0022	mg/L		
2	Tl 190.800	-21.4	12.4	0.0039	mg/L		
2	V 292.402	188.1	-94.5	-0.0009	mg/L		
2	Zn 213.856	-39.6	4.1	0.0001	mg/L		

3	Ag 328.068	-525.0	-104.5	-0.0014 mg/L
3	Al 308.215	342.5	-100.1	-0.0107 mg/L
3	As 188.979	-4.3	6.0	0.0022 mg/L
3	Ba 233.527	-409.8	23.0	0.0002 mg/L
3	Be 313.107	-2303.4	-2.6	0.0000 mg/L
3	Ca 227.547	-28.7	3.7	0.0445 mg/L
3	Cd 228.802	130.0	4.1	0.0001 mg/L
3	Co 228.616	85.3	13.9	0.0004 mg/L
3	Cr 267.716	-59.9	3.0	0.0001 mg/L
3	Cu 324.754	462.8	-85.7	-0.0008 mg/L
3	Fe 273.955	-195.6	-15.9	-0.0007 mg/L
3	K 766.491	5993.5	-93.8	0.0686 mg/L
3	Mg 279.079	-1014.4	0.7	0.0001 mg/L
3	Mn 257.610	-3321.3	61.9	0.0001 mg/L
3	Mo 202.030	-114.9	-0.5	0.0000 mg/L
3	Na 330.237	1309.3	75.3	0.7989 mg/L
3	Ni 231.604	-36.0	17.1	0.0004 mg/L
3	Pb 220.353	347.3	12.8	0.0009 mg/L
3	Sb 206.833	17.4	-13.3	-0.0053 mg/L
3	Se 196.026	11.5	7.1	0.0021 mg/L
3	Tl 190.800	-23.9	9.9	0.0031 mg/L
3	V 292.402	304.1	21.5	0.0002 mg/L
3	Zn 213.856	-33.3	10.4	0.0002 mg/L

Mean Data

ID: CCB Seq. No.: 41 Sample No.: 6 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:25:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	10.2	0.0001	0.00139	mg/L				>999.9%
Al 308.215	35.5	0.0038	0.01283	mg/L				338.13%
As 188.979	0.8	0.0003	0.00272	mg/L				989.99%
Ba 233.527	19.0	0.0002	0.00004	mg/L				26.07%
Be 313.107	78.3	0.0000	0.00004	mg/L				121.42%
Ca 227.547	-0.2	-0.0022	0.10337	mg/L				>999.9%
Cd 228.802	1.5	0.0000	0.00015	mg/L				400.84%
Co 228.616	7.5	0.0002	0.00037	mg/L				177.43%
Cr 267.716	2.0	0.0000	0.00008	mg/L				193.60%
Cu 324.754	-50.9	-0.0004	0.00073	mg/L				163.65%
Fe 273.955	-5.9	-0.0003	0.00043	mg/L				154.74%
K 766.491	332.3	0.0769	0.01007	mg/L				13.09%
Mg 279.079	-20.2	-0.0021	0.00214	mg/L				103.59%
Mn 257.610	80.1	0.0002	0.00004	mg/L				23.64%
Mo 202.030	5.5	0.0004	0.00039	mg/L				97.04%
Na 330.237	62.8	0.7696	0.02878	mg/L				3.74%
Ni 231.604	6.2	0.0002	0.00024	mg/L				153.44%
Pb 220.353	7.3	0.0005	0.00126	mg/L				250.79%
Sb 206.833	-6.5	-0.0026	0.00241	mg/L				92.77%
Se 196.026	1.9	0.0006	0.00271	mg/L				459.76%
Tl 190.800	10.1	0.0032	0.00070	mg/L				22.03%
V 292.402	-41.3	-0.0004	0.00058	mg/L				141.93%
Zn 213.856	8.7	0.0002	0.00008	mg/L				46.09%

Replicate Data

ID: M-BL 03M1386S Date: 04/28/03 01:28:34 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-506.6	-86.1	-0.0011	mg/L	-0.0563	ppm
1	Al 308.215	500.6	58.1	0.0062	mg/L	0.3106	ppm
1	As 188.979	-14.1	-3.7	-0.0013	mg/L	-0.0670	ppm
1	Ba 233.527	-434.6	-1.7	0.0000	mg/L	-0.0008	ppm
1	Be 313.107	-2350.8	-50.0	0.0000	mg/L	-0.0010	ppm
1	Ca 227.547	-41.8	-9.5	-0.1155	mg/L	-5.773	ppm
1	Cd 228.802	116.0	-9.9	-0.0002	mg/L	-0.0120	ppm
1	Co 228.616	74.6	3.1	0.0001	mg/L	0.0043	ppm
1	Cr 267.716	-79.6	-16.7	-0.0004	mg/L	-0.0182	ppm
1	Cu 324.754	520.7	-27.8	-0.0002	mg/L	-0.0122	ppm
1	Fe 273.955	-173.2	6.4	0.0003	mg/L	0.0151	ppm
1	K 766.491	6049.9	-37.4	0.0697	mg/L	3.485	ppm

1 Mg 279.079	-997.7	17.4	0.0018 mg/L	0.0890 ppm	
1 Mn 257.610	-3344.1	39.1	0.0001 mg/L	0.0046 ppm	
1 Mo 202.030	-110.3	4.1	0.0003 mg/L	0.0148 ppm	
1 Na 330.237	1103.5	-130.5	0.3167 mg/L	15.83 ppm	
1 Ni 231.604	-73.4	-20.3	-0.0005 mg/L	-0.0252 ppm	
1 Pb 220.353	345.8	11.3	0.0008 mg/L	0.0390 ppm	
1 Sb 206.833	36.8	6.1	0.0024 mg/L	0.1212 ppm	
1 Se 196.026	-8.5	-12.9	-0.0039 mg/L	-0.1961 ppm	
1 Tl 190.800	-27.5	6.3	0.0020 mg/L	0.0987 ppm	
1 V 292.402	269.1	-13.5	-0.0001 mg/L	-0.0067 ppm	
1 Zn 213.856	-35.9	7.8	0.0001 mg/L	0.0073 ppm	
2 Ag 328.068	-366.0	54.5	0.0007 mg/L	0.0356 ppm	
2 Al 308.215	556.3	113.7	0.0122 mg/L	0.6084 ppm	
2 As 188.979	-17.8	-7.5	-0.0027 mg/L	-0.1345 ppm	
2 Ba 233.527	-421.4	11.5	0.0001 mg/L	0.0052 ppm	
2 Be 313.107	-2131.7	169.0	0.0001 mg/L	0.0034 ppm	
2 Ca 227.547	-57.4	-25.1	-0.3051 mg/L	-15.26 ppm	
2 Cd 228.802	125.7	-0.2	0.0000 mg/L	-0.0002 ppm	
2 Co 228.616	80.4	8.9	0.0002 mg/L	0.0122 ppm	
2 Cr 267.716	-61.9	1.0	0.0000 mg/L	0.0011 ppm	
2 Cu 324.754	450.8	-97.7	-0.0009 mg/L	-0.0429 ppm	
2 Fe 273.955	-185.2	-5.5	-0.0003 mg/L	-0.0129 ppm	
2 K 766.491	5891.7	-195.5	0.0666 mg/L	3.330 ppm	
2 Mg 279.079	-992.6	22.5	0.0023 mg/L	0.1154 ppm	
2 Mn 257.610	-3338.6	44.6	0.0001 mg/L	0.0052 ppm	
2 Mo 202.030	-106.2	8.2	0.0006 mg/L	0.0300 ppm	
2 Na 330.237	1161.4	-72.7	0.4522 mg/L	22.61 ppm	
2 Ni 231.604	-42.2	10.8	0.0003 mg/L	0.0135 ppm	
2 Pb 220.353	311.0	-23.5	-0.0016 mg/L	-0.0815 ppm	
2 Sb 206.833	19.3	-11.5	-0.0046 mg/L	-0.2297 ppm	
2 Se 196.026	6.6	2.2	0.0007 mg/L	0.0332 ppm	
2 Tl 190.800	-29.4	4.4	0.0014 mg/L	0.0695 ppm	
2 V 292.402	250.7	-31.9	-0.0003 mg/L	-0.0158 ppm	
2 Zn 213.856	-39.4	4.3	0.0001 mg/L	0.0040 ppm	
3 Ag 328.068	-353.5	67.0	0.0009 mg/L	0.0438 ppm	
3 Al 308.215	406.4	-36.1	-0.0039 mg/L	-0.1931 ppm	
3 As 188.979	-12.9	-2.6	-0.0009 mg/L	-0.0465 ppm	
3 Ba 233.527	-421.0	11.8	0.0001 mg/L	0.0053 ppm	
3 Be 313.107	-2412.5	-111.8	0.0000 mg/L	-0.0023 ppm	
3 Ca 227.547	-37.6	-5.3	-0.0644 mg/L	-3.222 ppm	
3 Cd 228.802	100.5	-25.4	-0.0006 mg/L	-0.0306 ppm	
3 Co 228.616	70.7	-0.8	0.0000 mg/L	-0.0011 ppm	
3 Cr 267.716	-49.3	13.6	0.0003 mg/L	0.0148 ppm	
3 Cu 324.754	447.2	-101.3	-0.0009 mg/L	-0.0445 ppm	
3 Fe 273.955	-164.5	15.2	0.0007 mg/L	0.0356 ppm	
3 K 766.491	6229.5	142.2	0.0732 mg/L	3.660 ppm	
3 Mg 279.079	-1176.3	-161.2	-0.0165 mg/L	-0.8248 ppm	
3 Mn 257.610	-3327.2	56.0	0.0001 mg/L	0.0065 ppm	
3 Mo 202.030	-104.3	10.1	0.0007 mg/L	0.0366 ppm	
3 Na 330.237	1249.1	15.1	0.6579 mg/L	32.89 ppm	
3 Ni 231.604	-42.5	10.6	0.0003 mg/L	0.0131 ppm	
3 Pb 220.353	331.4	-3.2	-0.0002 mg/L	-0.0109 ppm	
3 Sb 206.833	28.7	-2.0	-0.0008 mg/L	-0.0409 ppm	
3 Se 196.026	-4.7	-9.1	-0.0028 mg/L	-0.1388 ppm	
3 Tl 190.800	-32.5	1.3	0.0004 mg/L	0.0205 ppm	
3 V 292.402	303.2	20.6	0.0002 mg/L	0.0102 ppm	
3 Zn 213.856	-56.1	-12.4	-0.0002 mg/L	-0.0116 ppm	

Mean Data ----------

ID: M-BL 03M1386S Seq. No.: 42 Sample No.: 24 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/28/03 01:28:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	11.8	0.0002	0.00111	mg/L	0.0077	0.05558	ppm	719.52%
Al 308.215	45.2	0.0048	0.00810	mg/L	0.2420	0.40512	ppm	167.43%
As 188.979	-4.6	-0.0017	0.00092	mg/L	-0.0826	0.04604	ppm	55.70%
Ba 233.527	7.2	0.0001	0.00007	mg/L	0.0032	0.00350	ppm	107.63%
Be 313.107	2.4	0.0000	0.00006	mg/L	0.0000	0.00298	ppm	>999.9%
Ca 227.547	-13.3	-0.1617	0.12681	mg/L	-8.084	6.3405	ppm	78.44%

Cd 228.802	-11.8	-0.0003	0.00031 mg/L	-0.0143	0.01533 ppm	107.46%
Co 228.616	3.7	0.0001	0.00013 mg/L	0.0051	0.00669 ppm	130.91%
Cr 267.716	-0.7	0.0000	0.00033 mg/L	-0.0008	0.01657 ppm	>999.9%
Cu 324.754	-75.6	-0.0007	0.00036 mg/L	-0.0332	0.01821 ppm	54.80%
Fe 273.955	5.4	0.0003	0.00049 mg/L	0.0126	0.02436 ppm	193.03%
K 766.491	-30.2	0.0698	0.00330 mg/L	3.492	0.1652 ppm	4.73%
Mg 279.079	-40.4	-0.0041	0.01071 mg/L	-0.2068	0.53535 ppm	258.87%
Mn 257.610	46.6	0.0001	0.00002 mg/L	0.0054	0.00100 ppm	18.47%
Mo 202.030	7.5	0.0005	0.00022 mg/L	0.0272	0.01117 ppm	41.13%
Na 330.237	-62.7	0.4756	0.17180 mg/L	23.78	8.590 ppm	36.12%
Ni 231.604	0.4	0.0000	0.00044 mg/L	0.0005	0.02225 ppm	>999.9%
Pb 220.353	-5.1	-0.0004	0.00121 mg/L	-0.0178	0.06055 ppm	339.71%
Sb 206.833	-2.5	-0.0010	0.00351 mg/L	-0.0498	0.17565 ppm	352.72%
Se 196.026	-6.6	-0.0020	0.00239 mg/L	-0.1006	0.11932 ppm	118.61%
Tl 190.800	4.0	0.0013	0.00079 mg/L	0.0629	0.03948 ppm	62.78%
V 292.402	-8.3	-0.0001	0.00026 mg/L	-0.0041	0.01318 ppm	322.03%
Zn 213.856	-0.1	0.0000	0.00020 mg/L	-0.0001	0.01011 ppm	>999.9%

Replicate Data ----------

ID: LCS-03M1386 Date: 04/28/03 01:31:41 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	71443.7	71864.2	0.9399	mg/L	46.99	ppm
1	Al 308.215	19446.7	19004.1	2.033	mg/L	101.6	ppm
1	As 188.979	1327.1	1337.5	0.4854	mg/L	24.27	ppm
1	Ba 233.527	436726.1	437159.0	3.953	mg/L	197.7	ppm
1	Be 313.107	469901.1	472201.9	0.1907	mg/L	9.533	ppm
1	Ca 227.547	1530.2	1562.5	18.98	mg/L	949.2	ppm
1	Cd 228.802	10223.7	10097.8	0.2436	mg/L	12.18	ppm
1	Co 228.616	35049.5	34978.0	0.9617	mg/L	48.09	ppm
1	Cr 267.716	44422.1	44485.1	0.9694	mg/L	48.47	ppm
1	Cu 324.754	110482.0	109933.5	0.9664	mg/L	48.32	ppm
1	Fe 273.955	20275.4	20455.1	0.9512	mg/L	47.56	ppm
1	K 766.491	288339.8	282252.5	5.355	mg/L	267.8	ppm
1	Mg 279.079	89175.7	90190.8	9.228	mg/L	461.4	ppm
1	Mn 257.610	399529.3	402912.5	0.9408	mg/L	47.04	ppm
1	Mo 202.030	25884.0	25998.4	1.892	mg/L	94.61	ppm
1	Na 330.237	18913.6	17679.5	40.75	mg/L	2038	ppm
1	Ni 231.604	38871.9	38924.9	0.9677	mg/L	48.39	ppm
1	Pb 220.353	42834.5	42499.9	2.945	mg/L	147.2	ppm
1	Sb 206.833	1243.9	1213.1	0.4851	mg/L	24.26	ppm
1	Se 196.026	1558.1	1553.6	0.4717	mg/L	23.58	ppm
1	Tl 190.800	1565.7	1599.5	0.5058	mg/L	25.29	ppm
1	V 292.402	195151.9	194869.3	1.931	mg/L	96.54	ppm
1	Zn 213.856	25685.2	25728.9	0.4825	mg/L	24.12	ppm
2	Ag 328.068	69523.5	69944.0	0.9148	mg/L	45.74	ppm
2	Al 308.215	20015.9	19573.3	2.094	mg/L	104.7	ppm
2	As 188.979	1324.0	1334.3	0.4841	mg/L	24.21	ppm
2	Ba 233.527	431076.9	431509.7	3.902	mg/L	195.1	ppm
2	Be 313.107	461622.5	463923.2	0.1873	mg/L	9.366	ppm
2	Ca 227.547	1630.5	1662.8	20.20	mg/L	1010	ppm
2	Cd 228.802	10445.4	10319.5	0.2489	mg/L	12.45	ppm
2	Co 228.616	35571.0	35499.5	0.9761	mg/L	48.80	ppm
2	Cr 267.716	43480.1	43543.0	0.9489	mg/L	47.45	ppm
2	Cu 324.754	108469.0	107920.5	0.9487	mg/L	47.44	ppm
2	Fe 273.955	20655.0	20834.7	0.9691	mg/L	48.46	ppm
2	K 766.491	278448.4	272361.1	5.177	mg/L	258.9	ppm
2	Mg 279.079	87403.9	88419.0	9.047	mg/L	452.3	ppm
2	Mn 257.610	394760.5	398143.7	0.9296	mg/L	46.48	ppm
2	Mo 202.030	26419.6	26534.0	1.931	mg/L	96.56	ppm
2	Na 330.237	18766.0	17531.9	40.43	mg/L	2021	ppm
2	Ni 231.604	38332.3	38385.4	0.9543	mg/L	47.72	ppm
2	Pb 220.353	43502.4	43167.9	2.991	mg/L	149.6	ppm
2	Sb 206.833	1262.7	1232.0	0.4927	mg/L	24.63	ppm
2	Se 196.026	1567.4	1562.9	0.4745	mg/L	23.72	ppm
2	Tl 190.800	1561.9	1595.7	0.5045	mg/L	25.23	ppm
2	V 292.402	191683.2	191400.6	1.896	mg/L	94.82	ppm
2	Zn 213.856	26285.4	26329.1	0.4938	mg/L	24.69	ppm
3	Ag 328.068	67973.7	68394.2	0.8945	mg/L	44.72	ppm

3	Al 308.215	19844.4	19401.9	2.075 mg/L	103.8 ppm
3	As 188.979	1320.8	1331.2	0.4829 mg/L	24.15 ppm
3	Ba 233.527	421142.9	421575.8	3.812 mg/L	190.6 ppm
3	Be 313.107	450750.4	453051.2	0.1829 mg/L	9.147 ppm
3	Ca 227.547	1602.3	1634.7	19.86 mg/L	993.0 ppm
3	Cd 228.802	10464.4	10338.5	0.2494 mg/L	12.47 ppm
3	Co 228.616	35502.5	35431.0	0.9742 mg/L	48.71 ppm
3	Cr 267.716	42594.4	42657.3	0.9296 mg/L	46.48 ppm
3	Cu 324.754	106204.3	105655.8	0.9288 mg/L	46.44 ppm
3	Fe 273.955	20876.4	21056.1	0.9797 mg/L	48.98 ppm
3	K 766.491	277167.1	271079.8	5.154 mg/L	257.7 ppm
3	Mg 279.079	85470.4	86485.5	8.849 mg/L	442.4 ppm
3	Mn 257.610	385900.9	389284.1	0.9090 mg/L	45.45 ppm
3	Mo 202.030	26632.4	26746.8	1.947 mg/L	97.33 ppm
3	Na 330.237	18509.1	17275.0	39.86 mg/L	1993 ppm
3	Ni 231.604	37590.4	37643.5	0.9359 mg/L	46.79 ppm
3	Pb 220.353	43549.2	43214.6	2.994 mg/L	149.7 ppm
3	Sb 206.833	1274.0	1243.3	0.4972 mg/L	24.86 ppm
3	Se 196.026	1690.6	1686.1	0.5119 mg/L	25.59 ppm
3	Tl 190.800	1583.7	1617.5	0.5113 mg/L	25.57 ppm
3	V 292.402	187412.6	187130.0	1.854 mg/L	92.70 ppm
3	Zn 213.856	26165.0	26208.7	0.4915 mg/L	24.57 ppm

Mean Data ----------

ID: LCS-03M1386 Seq. No.: 43 Sample No.: 25 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/28/03 01:31:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	70067.5	0.9164	0.02273	mg/L	45.82	1.137	ppm	2.48%
Al 308.215	19326.4	2.067	0.0312	mg/L	103.4	1.56	ppm	1.51%
As 188.979	1334.3	0.4841	0.00123	mg/L	24.21	0.061	ppm	0.25%
Ba 233.527	430081.5	3.889	0.0713	mg/L	194.5	3.57	ppm	1.83%
Be 313.107	463058.7	0.1870	0.00388	mg/L	9.349	0.1939	ppm	2.07%
Ca 227.547	1620.0	19.68	0.629	mg/L	984.1	31.43	ppm	3.19%
Cd 228.802	10251.9	0.2473	0.00323	mg/L	12.36	0.161	ppm	1.31%
Co 228.616	35302.8	0.9707	0.00779	mg/L	48.53	0.390	ppm	0.80%
Cr 267.716	43561.8	0.9493	0.01992	mg/L	47.47	0.996	ppm	2.10%
Cu 324.754	107836.6	0.9480	0.01881	mg/L	47.40	0.941	ppm	1.98%
Fe 273.955	20781.9	0.9667	0.01442	mg/L	48.33	0.721	ppm	1.49%
K 766.491	275231.2	5.229	0.1100	mg/L	261.4	5.50	ppm	2.10%
Mg 279.079	88365.1	9.041	0.1896	mg/L	452.1	9.48	ppm	2.10%
Mn 257.610	396780.1	0.9265	0.01615	mg/L	46.32	0.807	ppm	1.74%
Mo 202.030	26426.4	1.923	0.0281	mg/L	96.17	1.403	ppm	1.46%
Na 330.237	17495.5	40.35	0.451	mg/L	2017	22.5	ppm	1.12%
Ni 231.604	38317.9	0.9526	0.01600	mg/L	47.63	0.800	ppm	1.68%
Pb 220.353	42960.8	2.977	0.0277	mg/L	148.8	1.39	ppm	0.93%
Sb 206.833	1229.5	0.4917	0.00610	mg/L	24.58	0.305	ppm	1.24%
Se 196.026	1600.9	0.4860	0.02246	mg/L	24.30	1.123	ppm	4.62%
Tl 190.800	1604.2	0.5072	0.00362	mg/L	25.36	0.181	ppm	0.71%
V 292.402	191133.3	1.894	0.0384	mg/L	94.68	1.920	ppm	2.03%
Zn 213.856	26088.9	0.4893	0.00595	mg/L	24.46	0.298	ppm	1.22%

Matrix Check Sample: LCS-03M1386

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.9164	0.023	mg/L	91.622
Al 308.215	2.005	2.067	0.031	mg/L	103.124
As 188.979	0.4983	0.4841	0.001	mg/L	97.156
Ba 233.527	4.000	3.889	0.071	mg/L	97.232
Be 313.107	0.2000	0.1870	0.004	mg/L	93.485
Ca 227.547	19.84	19.68	0.629	mg/L	99.220
Cd 228.802	0.2497	0.2473	0.003	mg/L	99.030
Co 228.616	1.000	0.9707	0.008	mg/L	97.056
Cr 267.716	1.0000	0.9493	0.020	mg/L	94.934
Cu 324.754	0.9993	0.9480	0.019	mg/L	94.867
Fe 273.955	1.000	0.9667	0.014	mg/L	96.640
K 766.491	5.070	5.229	0.110	mg/L	103.182
Mg 279.079	9.996	9.041	0.190	mg/L	90.454
Mn 257.610	1.000	0.9265	0.016	mg/L	92.635

Mo 202.030	2.001	1.923	0.028	mg/L	96.140
Na 330.237	40.48	40.35	0.451	mg/L	99.676
Ni 231.604	1.000	0.9526	0.016	mg/L	95.263
Pb 220.353	3.000	2.977	0.028	mg/L	99.234
Sb 206.833	0.4990	0.4917	0.006	mg/L	98.534
Se 196.026	0.4980	0.4860	0.022	mg/L	97.605
Tl 190.800	0.5013	0.5072	0.004	mg/L	101.191
V 292.402	2.000	1.894	0.038	mg/L	94.689
Zn 213.856	0.5000	0.4893	0.006	mg/L	97.850

Replicate Data ----------

ID: LCSD-03M1386 Date: 04/28/03 01:34:12 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	67878.0	68298.5	0.8932	mg/L	44.66	ppm
1	Al 308.215	19507.3	19064.7	2.039	mg/L	102.0	ppm
1	As 188.979	1288.2	1298.6	0.4711	mg/L	23.56	ppm
1	Ba 233.527	414371.1	414804.0	3.751	mg/L	187.6	ppm
1	Be 313.107	450394.9	452695.7	0.1828	mg/L	9.139	ppm
1	Ca 227.547	1644.7	1677.1	20.38	mg/L	1019	ppm
1	Cd 228.802	10155.5	10029.6	0.2419	mg/L	12.10	ppm
1	Co 228.616	34906.5	34835.0	0.9578	mg/L	47.89	ppm
1	Cr 267.716	42171.5	42234.4	0.9204	mg/L	46.02	ppm
1	Cu 324.754	105831.5	105283.0	0.9256	mg/L	46.28	ppm
1	Fe 273.955	20123.0	20302.7	0.9443	mg/L	47.22	ppm
1	K 766.491	270205.9	264118.6	5.029	mg/L	251.4	ppm
1	Mg 279.079	85199.2	86214.3	8.821	mg/L	441.1	ppm
1	Mn 257.610	381809.6	385192.9	0.8994	mg/L	44.97	ppm
1	Mo 202.030	25821.1	25935.5	1.888	mg/L	94.38	ppm
1	Na 330.237	17863.4	16629.4	38.44	mg/L	1922	ppm
1	Ni 231.604	37659.8	37712.9	0.9376	mg/L	46.88	ppm
1	Pb 220.353	42960.6	42626.1	2.953	mg/L	147.7	ppm
1	Sb 206.833	1217.8	1187.1	0.4748	mg/L	23.74	ppm
1	Se 196.026	1621.9	1617.4	0.4910	mg/L	24.55	ppm
1	Tl 190.800	1548.2	1582.0	0.5002	mg/L	25.01	ppm
1	V 292.402	186821.7	186539.1	1.848	mg/L	92.41	ppm
1	Zn 213.856	25584.7	25628.4	0.4806	mg/L	24.03	ppm
2	Ag 328.068	66357.2	66777.7	0.8734	mg/L	43.67	ppm
2	Al 308.215	18810.5	18367.9	1.965	mg/L	98.24	ppm
2	As 188.979	1298.2	1308.5	0.4747	mg/L	23.73	ppm
2	Ba 233.527	407140.5	407573.4	3.686	mg/L	184.3	ppm
2	Be 313.107	442544.7	444845.5	0.1796	mg/L	8.981	ppm
2	Ca 227.547	1588.0	1620.3	19.69	mg/L	984.3	ppm
2	Cd 228.802	9793.5	9667.6	0.2332	mg/L	11.66	ppm
2	Co 228.616	33694.4	33622.9	0.9245	mg/L	46.22	ppm
2	Cr 267.716	41510.6	41573.5	0.9060	mg/L	45.30	ppm
2	Cu 324.754	103569.3	103020.8	0.9057	mg/L	45.28	ppm
2	Fe 273.955	19520.7	19700.4	0.9162	mg/L	45.81	ppm
2	K 766.491	268676.4	262589.1	5.001	mg/L	250.1	ppm
2	Mg 279.079	83656.3	84671.4	8.663	mg/L	433.2	ppm
2	Mn 257.610	375131.0	378514.3	0.8838	mg/L	44.19	ppm
2	Mo 202.030	25019.4	25133.8	1.829	mg/L	91.46	ppm
2	Na 330.237	17692.0	16458.0	38.06	mg/L	1903	ppm
2	Ni 231.604	36477.4	36530.5	0.9082	mg/L	45.41	ppm
2	Pb 220.353	41448.9	41114.4	2.849	mg/L	142.4	ppm
2	Sb 206.833	1180.7	1149.9	0.4599	mg/L	22.99	ppm
2	Se 196.026	1595.3	1590.8	0.4829	mg/L	24.15	ppm
2	Tl 190.800	1529.4	1563.2	0.4942	mg/L	24.71	ppm
2	V 292.402	183431.0	183148.4	1.815	mg/L	90.73	ppm
2	Zn 213.856	24836.1	24879.8	0.4666	mg/L	23.33	ppm
3	Ag 328.068	67224.2	67644.7	0.8847	mg/L	44.23	ppm
3	Al 308.215	19564.1	19121.6	2.045	mg/L	102.3	ppm
3	As 188.979	1376.0	1386.4	0.5027	mg/L	25.13	ppm
3	Ba 233.527	413188.1	413621.0	3.740	mg/L	187.0	ppm
3	Be 313.107	445789.5	448090.2	0.1809	mg/L	9.046	ppm
3	Ca 227.547	1653.0	1685.3	20.48	mg/L	1024	ppm
3	Cd 228.802	10247.6	10121.7	0.2441	mg/L	12.21	ppm
3	Co 228.616	35009.5	34938.0	0.9606	mg/L	48.03	ppm
3	Cr 267.716	41925.1	41988.0	0.9150	mg/L	45.75	ppm

3 Cu 324.754	104549.4	104000.9	0.9143 mg/L	45.71 ppm	
3 Fe 273.955	20405.6	20585.3	0.9577 mg/L	47.88 ppm	
3 K 766.491	271010.6	264923.3	5.043 mg/L	252.2 ppm	
3 Mg 279.079	84747.7	85762.8	8.775 mg/L	438.8 ppm	
3 Mn 257.610	378970.8	382354.0	0.8928 mg/L	44.64 ppm	
3 Mo 202.030	26144.2	26258.6	1.911 mg/L	95.56 ppm	
3 Na 330.237	17795.2	16561.1	38.28 mg/L	1914 ppm	
3 Ni 231.604	38009.5	38062.6	0.9463 mg/L	47.31 ppm	
3 Pb 220.353	43257.7	42923.1	2.974 mg/L	148.7 ppm	
3 Sb 206.833	1258.1	1227.3	0.4908 mg/L	24.54 ppm	
3 Se 196.026	1605.2	1600.7	0.4860 mg/L	24.30 ppm	
3 Tl 190.800	1532.1	1565.9	0.4951 mg/L	24.75 ppm	
3 V 292.402	185315.0	185032.4	1.833 mg/L	91.66 ppm	
3 Zn 213.856	25936.4	25980.1	0.4872 mg/L	24.36 ppm	

Mean Data ----------

ID: LCSD-03M1386 Seq. No.: 44 Sample No.: 26 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/28/03 01:34:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	67573.6	0.8838	0.00998	mg/L	44.19	0.499	ppm	1.13%
Al 308.215	18851.4	2.017	0.0449	mg/L	100.8	2.24	ppm	2.23%
As 188.979	1331.1	0.4828	0.01728	mg/L	24.14	0.864	ppm	3.58%
Ba 233.527	411999.5	3.726	0.0351	mg/L	186.3	1.75	ppm	0.94%
Be 313.107	448543.8	0.1811	0.00159	mg/L	9.056	0.0796	ppm	0.88%
Ca 227.547	1660.9	20.18	0.430	mg/L	1009	21.5	ppm	2.13%
Cd 228.802	9939.6	0.2398	0.00579	mg/L	11.99	0.290	ppm	2.42%
Co 228.616	34465.3	0.9476	0.02011	mg/L	47.38	1.005	ppm	2.12%
Cr 267.716	41932.0	0.9138	0.00728	mg/L	45.69	0.364	ppm	0.80%
Cu 324.754	104101.6	0.9152	0.00997	mg/L	45.76	0.499	ppm	1.09%
Fe 273.955	20196.1	0.9394	0.02115	mg/L	46.97	1.058	ppm	2.25%
K 766.491	263877.0	5.024	0.0214	mg/L	251.2	1.07	ppm	0.43%
Mg 279.079	85549.5	8.753	0.0812	mg/L	437.7	4.06	ppm	0.93%
Mn 257.610	382020.4	0.8920	0.00783	mg/L	44.60	0.391	ppm	0.88%
Mo 202.030	25776.0	1.876	0.0421	mg/L	93.80	2.107	ppm	2.25%
Na 330.237	16549.5	38.26	0.191	mg/L	1913	9.5	ppm	0.50%
Ni 231.604	37435.3	0.9307	0.01996	mg/L	46.53	0.998	ppm	2.14%
Pb 220.353	42221.2	2.925	0.0672	mg/L	146.3	3.36	ppm	2.30%
Sb 206.833	1188.1	0.4752	0.01549	mg/L	23.76	0.774	ppm	3.26%
Se 196.026	1603.0	0.4866	0.00409	mg/L	24.33	0.204	ppm	0.84%
Tl 190.800	1570.4	0.4965	0.00322	mg/L	24.82	0.161	ppm	0.65%
V 292.402	184906.7	1.832	0.0168	mg/L	91.60	0.842	ppm	0.92%
Zn 213.856	25496.1	0.4781	0.01054	mg/L	23.91	0.527	ppm	2.20%

Matrix Check Sample: LCSD-03M1386

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.8838	0.010	mg/L	88.361
Al 308.215	2.005	2.017	0.045	mg/L	100.584
As 188.979	0.4983	0.4828	0.017	mg/L	96.896
Ba 233.527	4.000	3.726	0.035	mg/L	93.144
Be 313.107	0.2000	0.1811	0.002	mg/L	90.555
Ca 227.547	19.84	20.18	0.430	mg/L	101.704
Cd 228.802	0.2497	0.2398	0.006	mg/L	96.017
Co 228.616	1.000	0.9476	0.020	mg/L	94.753
Cr 267.716	1.0000	0.9138	0.007	mg/L	91.382
Cu 324.754	0.9993	0.9152	0.010	mg/L	91.583
Fe 273.955	1.000	0.9394	0.021	mg/L	93.916
K 766.491	5.070	5.024	0.021	mg/L	99.090
Mg 279.079	9.996	8.753	0.081	mg/L	87.573
Mn 257.610	1.000	0.8920	0.008	mg/L	89.188
Mo 202.030	2.001	1.876	0.042	mg/L	93.773
Na 330.237	40.48	38.26	0.191	mg/L	94.459
Ni 231.604	1.000	0.9307	0.020	mg/L	93.069
Pb 220.353	3.000	2.925	0.067	mg/L	97.526
Sb 206.833	0.4990	0.4752	0.015	mg/L	95.231
Se 196.026	0.4980	0.4866	0.004	mg/L	97.732
Tl 190.800	0.5013	0.4965	0.003	mg/L	99.042
V 292.402	2.000	1.832	0.017	mg/L	91.604

Zn 213.856 0.5000 0.4781 0.011 mg/L 95.627

Replicate Data

ID: 2864-9 S F=200 Date: 04/28/03 01:36:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-410.2	10.3	0.0001	mg/L	0.0270	ppm
1	Al 308.215	389989.8	389547.2	41.67	mg/L	8334	ppm
1	As 188.979	-28.8	-18.5	-0.0002	mg/L	-0.0329	ppm
1	Ba 233.527	28734.7	29167.5	0.2638	mg/L	52.75	ppm
1	Be 313.107	-9321.2	-7020.4	-0.0028	mg/L	-0.5669	ppm
1	Ca 227.547	409.2	441.5	5.365	mg/L	1073	ppm
1	Cd 228.802	172.9	47.0	0.0011	mg/L	0.2269	ppm
1	Co 228.616	1365.6	1294.1	0.0356	mg/L	7.116	ppm
1	Cr 267.716	4115.7	4178.6	0.0911	mg/L	18.21	ppm
1	Cu 324.754	3369.7	2821.2	0.0296	mg/L	5.924	ppm
1	Fe 273.955	1488924.2	1489103.9	69.91	mg/L	13980	ppm
1	K 766.491	688294.1	682206.8	12.18	mg/L	2436	ppm
1	Mg 279.079	131757.8	132772.9	13.58	mg/L	2717	ppm
1	Mn 257.610	313393.3	316776.5	0.7397	mg/L	147.9	ppm
1	Mo 202.030	-115.6	-1.2	-0.0001	mg/L	-0.0178	ppm
1	Na 330.237	1561.2	327.1	1.388	mg/L	277.7	ppm
1	Ni 231.604	772.4	825.5	0.0205	mg/L	4.105	ppm
1	Pb 220.353	499.3	164.8	0.0124	mg/L	2.480	ppm
1	Sb 206.833	71.3	40.6	0.0118	mg/L	2.367	ppm
1	Se 196.026	6.5	2.0	0.0132	mg/L	2.639	ppm
1	Tl 190.800	-20.3	13.5	0.0043	mg/L	0.8509	ppm
1	V 292.402	23371.3	23088.7	0.2344	mg/L	46.87	ppm
1	Zn 213.856	6412.3	6456.0	0.1211	mg/L	24.21	ppm
2	Ag 328.068	-456.9	-36.4	-0.0005	mg/L	-0.0953	ppm
2	Al 308.215	386207.5	385765.0	41.26	mg/L	8253	ppm
2	As 188.979	-47.3	-37.0	-0.0069	mg/L	-1.381	ppm
2	Ba 233.527	27453.2	27886.0	0.2522	mg/L	50.44	ppm
2	Be 313.107	-9171.3	-6870.5	-0.0028	mg/L	-0.5548	ppm
2	Ca 227.547	295.4	327.7	3.982	mg/L	796.4	ppm
2	Cd 228.802	116.0	-9.9	-0.0002	mg/L	-0.0475	ppm
2	Co 228.616	1248.5	1177.1	0.0324	mg/L	6.473	ppm
2	Cr 267.716	3938.8	4001.7	0.0872	mg/L	17.44	ppm
2	Cu 324.754	3381.3	2832.9	0.0297	mg/L	5.934	ppm
2	Fe 273.955	1471823.7	1472003.4	69.11	mg/L	13820	ppm
2	K 766.491	712339.7	706252.4	12.57	mg/L	2514	ppm
2	Mg 279.079	129136.2	130151.3	13.32	mg/L	2663	ppm
2	Mn 257.610	309165.6	312548.8	0.7298	mg/L	146.0	ppm
2	Mo 202.030	-119.4	-5.0	-0.0004	mg/L	-0.0724	ppm
2	Na 330.237	1608.1	374.1	1.498	mg/L	299.6	ppm
2	Ni 231.604	804.9	858.0	0.0213	mg/L	4.266	ppm
2	Pb 220.353	554.5	219.9	0.0162	mg/L	3.243	ppm
2	Sb 206.833	38.3	7.5	-0.0013	mg/L	-0.2690	ppm
2	Se 196.026	-54.3	-58.8	-0.0054	mg/L	-1.082	ppm
2	Tl 190.800	-43.8	-10.0	-0.0031	mg/L	-0.6257	ppm
2	V 292.402	23261.5	22978.9	0.2332	mg/L	46.64	ppm
2	Zn 213.856	6168.9	6212.6	0.1165	mg/L	23.30	ppm
3	Ag 328.068	-339.6	80.9	0.0011	mg/L	0.2117	ppm
3	Al 308.215	397490.9	397048.3	42.47	mg/L	8494	ppm
3	As 188.979	-1.0	9.3	0.0099	mg/L	1.977	ppm
3	Ba 233.527	28702.1	29134.9	0.2635	mg/L	52.70	ppm
3	Be 313.107	-9489.3	-7188.6	-0.0029	mg/L	-0.5805	ppm
3	Ca 227.547	535.8	568.2	6.903	mg/L	1381	ppm
3	Cd 228.802	71.3	-54.6	-0.0013	mg/L	-0.2633	ppm
3	Co 228.616	1236.1	1164.7	0.0320	mg/L	6.404	ppm
3	Cr 267.716	4181.2	4244.1	0.0925	mg/L	18.50	ppm
3	Cu 324.754	3165.8	2617.3	0.0279	mg/L	5.576	ppm
3	Fe 273.955	1504708.0	1504887.7	70.66	mg/L	14130	ppm
3	K 766.491	714824.4	708737.2	12.61	mg/L	2522	ppm
3	Mg 279.079	132074.7	133089.8	13.62	mg/L	2723	ppm
3	Mn 257.610	316928.5	320311.7	0.7479	mg/L	149.6	ppm
3	Mo 202.030	-84.0	30.4	0.0022	mg/L	0.4426	ppm
3	Na 330.237	1808.6	574.6	1.967	mg/L	393.4	ppm
3	Ni 231.604	931.7	984.8	0.0245	mg/L	4.897	ppm

3 Pb 220.353	438.0	103.5	0.0082 mg/L	1.639 ppm	
3 Sb 206.833	36.4	5.6	-0.0022 mg/L	-0.4389 ppm	
3 Se 196.026	-23.8	-28.3	0.0041 mg/L	0.8274 ppm	
3 Tl 190.800	-27.5	6.3	0.0020 mg/L	0.3970 ppm	
3 V 292.402	23759.9	23477.3	0.2383 mg/L	47.65 ppm	
3 Zn 213.856	6490.1	6533.8	0.1225 mg/L	24.51 ppm	

Mean Data ----------

ID: 2864-9 S F=200 Seq. No.: 45 Sample No.: 27 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 01:36:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	18.3	0.0002	0.00077	mg/L	0.0478	0.15456	ppm	323.43%
Al 308.215	390786.8	41.80	0.614	mg/L	8360	122.9	ppm	1.47%
As 188.979	-15.4	0.0009	0.00845	mg/L	0.1876	1.68996	ppm	900.74%
Ba 233.527	28729.5	0.2598	0.00661	mg/L	51.96	1.321	ppm	2.54%
Be 313.107	-7026.5	-0.0028	0.00006	mg/L	-0.5674	0.01285	ppm	2.26%
Ca 227.547	445.8	5.416	1.4612	mg/L	1083	292.2	ppm	26.98%
Cd 228.802	-5.8	-0.0001	0.00123	mg/L	-0.0280	0.24569	ppm	878.35%
Co 228.616	1211.9	0.0333	0.00196	mg/L	6.664	0.3927	ppm	5.89%
Cr 267.716	4141.5	0.0903	0.00273	mg/L	18.05	0.546	ppm	3.03%
Cu 324.754	2757.1	0.0291	0.00102	mg/L	5.811	0.2039	ppm	3.51%
Fe 273.955	1488665.0	69.89	0.772	mg/L	13980	154.4	ppm	1.10%
K 766.491	699065.4	12.45	0.238	mg/L	2491	47.5	ppm	1.91%
Mg 279.079	132004.7	13.51	0.165	mg/L	2701	33.0	ppm	1.22%
Mn 257.610	316545.7	0.7391	0.00907	mg/L	147.8	1.81	ppm	1.23%
Mo 202.030	8.1	0.0006	0.00141	mg/L	0.1175	0.28292	ppm	240.85%
Na 330.237	425.3	1.618	0.3074	mg/L	323.6	61.47	ppm	19.00%
Ni 231.604	889.4	0.0221	0.00209	mg/L	4.423	0.4186	ppm	9.47%
Pb 220.353	162.7	0.0123	0.00401	mg/L	2.454	0.8026	ppm	32.70%
Sb 206.833	17.9	0.0028	0.00786	mg/L	0.5529	1.57297	ppm	284.50%
Se 196.026	-28.4	0.0040	0.00930	mg/L	0.7949	1.86041	ppm	234.05%
Tl 190.800	3.3	0.0010	0.00378	mg/L	0.2074	0.75638	ppm	364.69%
V 292.402	23181.6	0.2353	0.00265	mg/L	47.05	0.531	ppm	1.13%
Zn 213.856	6400.8	0.1200	0.00314	mg/L	24.01	0.628	ppm	2.62%

Replicate Data ----------

ID: 2864-9 D F=200 Date: 04/28/03 01:39:15 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-518.4	-97.9	-0.0013	mg/L	-0.2560	ppm
1	Al 308.215	462955.4	462512.9	49.47	mg/L	9895	ppm
1	As 188.979	4.6	15.0	0.0126	mg/L	2.522	ppm
1	Ba 233.527	26276.9	26709.7	0.2415	mg/L	48.31	ppm
1	Be 313.107	-9915.3	-7614.6	-0.0031	mg/L	-0.6149	ppm
1	Ca 227.547	467.6	500.0	6.074	mg/L	1215	ppm
1	Cd 228.802	74.4	-51.5	-0.0012	mg/L	-0.2486	ppm
1	Co 228.616	1200.9	1129.4	0.0311	mg/L	6.211	ppm
1	Cr 267.716	4585.2	4648.1	0.1013	mg/L	20.26	ppm
1	Cu 324.754	3343.4	2794.9	0.0300	mg/L	5.990	ppm
1	Fe 273.955	1662282.2	1662461.8	78.05	mg/L	15610	ppm
1	K 766.491	748948.5	742861.3	13.16	mg/L	2632	ppm
1	Mg 279.079	141752.3	142767.4	14.61	mg/L	2922	ppm
1	Mn 257.610	323018.9	326402.1	0.7621	mg/L	152.4	ppm
1	Mo 202.030	-210.3	-95.9	-0.0070	mg/L	-1.396	ppm
1	Na 330.237	1847.4	613.4	2.058	mg/L	411.6	ppm
1	Ni 231.604	891.0	944.0	0.0235	mg/L	4.694	ppm
1	Pb 220.353	600.4	265.8	0.0198	mg/L	3.951	ppm
1	Sb 206.833	72.9	42.2	0.0120	mg/L	2.394	ppm
1	Se 196.026	-46.7	-51.2	-0.0015	mg/L	-0.2967	ppm
1	Tl 190.800	-75.8	-42.0	-0.0132	mg/L	-2.638	ppm
1	V 292.402	25278.7	24996.1	0.2539	mg/L	50.78	ppm
1	Zn 213.856	6485.6	6529.3	0.1224	mg/L	24.49	ppm
2	Ag 328.068	-438.7	-18.2	-0.0002	mg/L	-0.0476	ppm
2	Al 308.215	471185.1	470742.5	50.35	mg/L	10070	ppm
2	As 188.979	10.3	20.6	0.0147	mg/L	2.946	ppm
2	Ba 233.527	25031.4	25464.2	0.2303	mg/L	46.06	ppm
2	Be 313.107	-10064.5	-7763.8	-0.0031	mg/L	-0.6270	ppm

2 Ca 227.547	423.7	456.1	5.541 mg/L	1108 ppm	
2 Cd 228.802	131.0	5.1	0.0001 mg/L	0.0245 ppm	
2 Co 228.616	1264.1	1192.7	0.0328 mg/L	6.558 ppm	
2 Cr 267.716	4299.6	4362.5	0.0951 mg/L	19.01 ppm	
2 Cu 324.754	3298.2	2749.7	0.0296 mg/L	5.924 ppm	
2 Fe 273.955	1681866.4	1682046.1	78.97 mg/L	15790 ppm	
2 K 766.491	774854.7	768767.4	13.57 mg/L	2715 ppm	
2 Mg 279.079	142807.5	143822.6	14.72 mg/L	2943 ppm	
2 Mn 257.610	326721.2	330104.4	0.7708 mg/L	154.2 ppm	
2 Mo 202.030	-154.3	-39.9	-0.0029 mg/L	-0.5803 ppm	
2 Na 330.237	1794.0	560.0	1.933 mg/L	386.6 ppm	
2 Ni 231.604	924.9	978.0	0.0243 mg/L	4.863 ppm	
2 Pb 220.353	548.6	214.1	0.0162 mg/L	3.241 ppm	
2 Sb 206.833	38.4	7.7	-0.0019 mg/L	-0.3782 ppm	
2 Se 196.026	-76.1	-80.6	-0.0102 mg/L	-2.047 ppm	
2 Tl 190.800	-41.0	-7.2	-0.0023 mg/L	-0.4515 ppm	
2 V 292.402	25762.5	25480.0	0.2588 mg/L	51.75 ppm	
2 Zn 213.856	6237.1	6280.8	0.1178 mg/L	23.56 ppm	
3 Ag 328.068	-398.4	22.1	0.0003 mg/L	0.0577 ppm	
3 Al 308.215	466105.6	465663.1	49.81 mg/L	9962 ppm	
3 As 188.979	-16.1	-5.8	0.0052 mg/L	1.031 ppm	
3 Ba 233.527	24746.8	25179.7	0.2277 mg/L	45.54 ppm	
3 Be 313.107	-10152.2	-7851.5	-0.0032 mg/L	-0.6340 ppm	
3 Ca 227.547	383.8	416.1	5.056 mg/L	1011 ppm	
3 Cd 228.802	91.3	-34.6	-0.0008 mg/L	-0.1668 ppm	
3 Co 228.616	1202.1	1130.6	0.0311 mg/L	6.217 ppm	
3 Cr 267.716	4230.1	4293.0	0.0936 mg/L	18.71 ppm	
3 Cu 324.754	3491.3	2942.8	0.0313 mg/L	6.251 ppm	
3 Fe 273.955	1662962.1	1663141.7	78.09 mg/L	15620 ppm	
3 K 766.491	763216.5	757129.2	13.39 mg/L	2678 ppm	
3 Mg 279.079	141446.2	142461.3	14.58 mg/L	2915 ppm	
3 Mn 257.610	322687.3	326070.5	0.7614 mg/L	152.3 ppm	
3 Mo 202.030	-117.2	-2.8	-0.0002 mg/L	-0.0404 ppm	
3 Na 330.237	1794.0	560.0	1.933 mg/L	386.6 ppm	
3 Ni 231.604	859.6	912.6	0.0227 mg/L	4.538 ppm	
3 Pb 220.353	589.1	254.5	0.0190 mg/L	3.800 ppm	
3 Sb 206.833	4.1	-26.6	-0.0156 mg/L	-3.113 ppm	
3 Se 196.026	-45.9	-50.4	-0.0012 mg/L	-0.2465 ppm	
3 Tl 190.800	-26.4	7.5	0.0023 mg/L	0.4687 ppm	
3 V 292.402	25657.2	25374.7	0.2577 mg/L	51.53 ppm	
3 Zn 213.856	6237.2	6280.9	0.1178 mg/L	23.56 ppm	

Mean Data ----------

ID: 2864-9 D F=200 Seq. No.: 46 Sample No.: 28 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 01:39:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-31.3	-0.0004	0.00080	mg/L	-0.0820	0.15965	ppm	194.79%
Al 308.215	466306.2	49.88	0.444	mg/L	9976	88.8	ppm	0.89%
As 188.979	10.0	0.0108	0.00503	mg/L	2.167	1.0059	ppm	46.43%
Ba 233.527	25784.5	0.2332	0.00736	mg/L	46.64	1.472	ppm	3.16%
Be 313.107	-7743.3	-0.0031	0.00005	mg/L	-0.6253	0.00967	ppm	1.55%
Ca 227.547	457.4	5.557	0.5096	mg/L	1111	101.9	ppm	9.17%
Cd 228.802	-27.0	-0.0007	0.00070	mg/L	-0.1303	0.14013	ppm	107.57%
Co 228.616	1150.9	0.0316	0.00099	mg/L	6.329	0.1989	ppm	3.14%
Cr 267.716	4434.5	0.0966	0.00410	mg/L	19.33	0.820	ppm	4.24%
Cu 324.754	2829.1	0.0303	0.00086	mg/L	6.055	0.1729	ppm	2.86%
Fe 273.955	1669216.5	78.37	0.522	mg/L	15670	104.4	ppm	0.67%
K 766.491	756252.6	13.37	0.208	mg/L	2675	41.5	ppm	1.55%
Mg 279.079	143017.1	14.63	0.073	mg/L	2927	14.6	ppm	0.50%
Mn 257.610	327525.7	0.7648	0.00523	mg/L	153.0	1.05	ppm	0.68%
Mo 202.030	-46.2	-0.0034	0.00341	mg/L	-0.6723	0.68252	ppm	101.53%
Na 330.237	577.8	1.975	0.0721	mg/L	394.9	14.41	ppm	3.65%
Ni 231.604	944.9	0.0235	0.00081	mg/L	4.698	0.1624	ppm	3.46%
Pb 220.353	244.8	0.0183	0.00187	mg/L	3.664	0.3735	ppm	10.19%
Sb 206.833	7.8	-0.0018	0.01377	mg/L	-0.3655	2.75357	ppm	753.34%
Se 196.026	-60.7	-0.0043	0.00513	mg/L	-0.8636	1.02557	ppm	118.76%
Tl 190.800	-13.9	-0.0044	0.00798	mg/L	-0.8735	1.59559	ppm	182.67%
V 292.402	25283.6	0.2568	0.00255	mg/L	51.36	0.510	ppm	0.99%
Zn 213.856	6363.7	0.1193	0.00269	mg/L	23.87	0.538	ppm	2.25%

Matrix Check Sample: 2864-9 D F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	Relative % Diff.
Ag 328.068	0.0002	-0.0004	0.001	mg/L	-759.368
Al 308.215	41.80	49.88	0.444	mg/L	17.622
As 188.979	0.0009	0.0108	0.005	mg/L	168.123
Ba 233.527	0.2598	0.2332	0.007	mg/L	10.804
Be 313.107	-0.0028	-0.0031	0.000	mg/L	-9.706
Ca 227.547	5.416	5.557	0.510	mg/L	2.562
Cd 228.802	-0.0001	-0.0007	0.001	mg/L	-129.297
Co 228.616	0.0333	0.0316	0.001	mg/L	5.166
Cr 267.716	0.0903	0.0966	0.004	mg/L	6.835
Cu 324.754	0.0291	0.0303	0.001	mg/L	4.105
Fe 273.955	69.89	78.37	0.522	mg/L	11.435
K 766.491	12.45	13.37	0.208	mg/L	7.126
Mg 279.079	13.51	14.63	0.073	mg/L	8.008
Mn 257.610	0.7391	0.7648	0.005	mg/L	3.410
Mo 202.030	0.0006	-0.0034	0.003	mg/L	-284.692
Na 330.237	1.618	1.975	0.072	mg/L	19.858
Ni 231.604	0.0221	0.0235	0.001	mg/L	6.045
Pb 220.353	0.0123	0.0183	0.002	mg/L	39.549
Sb 206.833	0.0028	-0.0018	0.014	mg/L	980.280
Se 196.026	0.0040	-0.0043	0.005	mg/L	-4828.379
Tl 190.800	0.0010	-0.0044	0.008	mg/L	-324.553
V 292.402	0.2353	0.2568	0.003	mg/L	8.741
Zn 213.856	0.1200	0.1193	0.003	mg/L	0.582

Replicate Data ----------

ID: 2864-9 1/5 F=1000 Date: 04/28/03 01:42:04 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-537.3	-116.8	-0.0015	mg/L	-1.527	ppm
1	Al 308.215	85874.4	85431.9	9.139	mg/L	9139	ppm
1	As 188.979	-8.5	1.8	0.0007	mg/L	0.6569	ppm
1	Ba 233.527	5446.8	5879.7	0.0532	mg/L	53.17	ppm
1	Be 313.107	-3871.8	-1571.1	-0.0006	mg/L	-0.6344	ppm
1	Ca 227.547	62.8	95.1	1.156	mg/L	1156	ppm
1	Cd 228.802	95.1	-30.8	-0.0007	mg/L	-0.7421	ppm
1	Co 228.616	318.0	246.5	0.0068	mg/L	6.777	ppm
1	Cr 267.716	800.8	863.7	0.0188	mg/L	18.82	ppm
1	Cu 324.754	1084.4	535.9	0.0047	mg/L	4.711	ppm
1	Fe 273.955	321884.7	322064.4	15.12	mg/L	15120	ppm
1	K 766.491	127108.0	121020.7	2.392	mg/L	2392	ppm
1	Mg 279.079	27570.0	28585.1	2.925	mg/L	2925	ppm
1	Mn 257.610	65681.1	69064.4	0.1613	mg/L	161.3	ppm
1	Mo 202.030	-116.4	-1.9	-0.0001	mg/L	-0.1412	ppm
1	Na 330.237	1341.7	107.6	0.8746	mg/L	874.6	ppm
1	Ni 231.604	147.2	200.3	0.0050	mg/L	4.979	ppm
1	Pb 220.353	356.4	21.8	0.0015	mg/L	1.513	ppm
1	Sb 206.833	31.8	1.1	0.0004	mg/L	0.4205	ppm
1	Se 196.026	7.3	2.8	0.0036	mg/L	3.587	ppm
1	Tl 190.800	-34.5	-0.6	-0.0002	mg/L	-0.2027	ppm
1	V 292.402	5111.1	4828.5	0.0478	mg/L	47.84	ppm
1	Zn 213.856	1234.6	1278.3	0.0240	mg/L	23.97	ppm
2	Ag 328.068	-324.7	95.8	0.0013	mg/L	1.253	ppm
2	Al 308.215	79731.4	79288.9	8.481	mg/L	8481	ppm
2	As 188.979	-13.0	-2.7	-0.0010	mg/L	-0.9581	ppm
2	Ba 233.527	5249.5	5682.4	0.0514	mg/L	51.39	ppm
2	Be 313.107	-3694.2	-1393.4	-0.0006	mg/L	-0.5626	ppm
2	Ca 227.547	52.4	84.8	1.030	mg/L	1030	ppm
2	Cd 228.802	125.0	-0.9	0.0000	mg/L	-0.0221	ppm
2	Co 228.616	309.3	237.8	0.0065	mg/L	6.539	ppm
2	Cr 267.716	753.6	816.6	0.0178	mg/L	17.79	ppm
2	Cu 324.754	994.8	446.3	0.0039	mg/L	3.924	ppm
2	Fe 273.955	306849.3	307029.0	14.42	mg/L	14420	ppm
2	K 766.491	125678.4	119591.2	2.365	mg/L	2365	ppm
2	Mg 279.079	24965.7	25980.8	2.658	mg/L	2658	ppm

2 Mn 257.610	61090.1	64473.3	0.1505 mg/L	150.5 ppm	
2 Mo 202.030	-115.4	-1.0	-0.0001 mg/L	-0.0728 ppm	
2 Na 330.237	1220.4	-13.6	0.5905 mg/L	590.5 ppm	
2 Ni 231.604	127.6	180.7	0.0045 mg/L	4.491 ppm	
2 Pb 220.353	343.2	8.6	0.0006 mg/L	0.5965 ppm	
2 Sb 206.833	34.6	3.9	0.0015 mg/L	1.543 ppm	
2 Se 196.026	2.1	-2.4	0.0019 mg/L	1.867 ppm	
2 Tl 190.800	-26.6	7.2	0.0023 mg/L	2.251 ppm	
2 V 292.402	5016.3	4733.7	0.0469 mg/L	46.90 ppm	
2 Zn 213.856	1219.1	1262.8	0.0237 mg/L	23.68 ppm	
3 Ag 328.068	-359.1	61.4	0.0008 mg/L	0.8032 ppm	
3 Al 308.215	78589.6	78147.1	8.359 mg/L	8359 ppm	
3 As 188.979	-6.2	4.2	0.0015 mg/L	1.500 ppm	
3 Ba 233.527	5271.0	5703.9	0.0516 mg/L	51.58 ppm	
3 Be 313.107	-3883.0	-1582.2	-0.0006 mg/L	-0.6389 ppm	
3 Ca 227.547	42.9	75.2	0.9142 mg/L	914.2 ppm	
3 Cd 228.802	119.7	-6.2	-0.0002 mg/L	-0.1507 ppm	
3 Co 228.616	310.0	238.5	0.0066 mg/L	6.557 ppm	
3 Cr 267.716	746.3	809.2	0.0176 mg/L	17.63 ppm	
3 Cu 324.754	1107.6	559.1	0.0049 mg/L	4.915 ppm	
3 Fe 273.955	301583.4	301763.1	14.17 mg/L	14170 ppm	
3 K 766.491	122332.9	116245.6	2.302 mg/L	2302 ppm	
3 Mg 279.079	24848.5	25863.6	2.646 mg/L	2646 ppm	
3 Mn 257.610	59601.7	62984.9	0.1471 mg/L	147.1 ppm	
3 Mo 202.030	-116.1	-1.7	-0.0001 mg/L	-0.1264 ppm	
3 Na 330.237	1327.0	93.0	0.8403 mg/L	840.3 ppm	
3 Ni 231.604	126.1	179.1	0.0045 mg/L	4.454 ppm	
3 Pb 220.353	344.5	9.9	0.0007 mg/L	0.6873 ppm	
3 Sb 206.833	27.8	-2.9	-0.0012 mg/L	-1.172 ppm	
3 Se 196.026	-3.7	-8.2	0.0001 mg/L	0.0580 ppm	
3 Tl 190.800	-38.9	-5.1	-0.0016 mg/L	-1.599 ppm	
3 V 292.402	4894.3	4611.7	0.0457 mg/L	45.69 ppm	
3 Zn 213.856	1204.7	1248.4	0.0234 mg/L	23.41 ppm	

Mean Data

ID: 2864-9 1/5 F=1000 Seq. No.: 47 Sample No.: 29 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1000.0
Data: Original Date: 04/28/03 01:42:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	13.5	0.0002	0.00149	mg/L	0.1763	1.49231	ppm	846.42%
Al 308.215	80956.0	8.660	0.4191	mg/L	8660	419.1	ppm	4.84%
As 188.979	1.1	0.0004	0.00125	mg/L	0.3995	1.24893	ppm	312.64%
Ba 233.527	5755.3	0.0520	0.00098	mg/L	52.05	0.979	ppm	1.88%
Be 313.107	-1515.6	-0.0006	0.00004	mg/L	-0.6120	0.04277	ppm	6.99%
Ca 227.547	85.0	1.033	0.1207	mg/L	1033	120.7	ppm	11.68%
Cd 228.802	-12.6	-0.0003	0.00038	mg/L	-0.3050	0.38401	ppm	125.92%
Co 228.616	240.9	0.0066	0.00013	mg/L	6.625	0.1324	ppm	2.00%
Cr 267.716	829.8	0.0181	0.00064	mg/L	18.08	0.644	ppm	3.56%
Cu 324.754	513.8	0.0045	0.00052	mg/L	4.517	0.5236	ppm	11.59%
Fe 273.955	310285.5	14.57	0.495	mg/L	14570	494.6	ppm	3.40%
K 766.491	118952.5	2.353	0.0462	mg/L	2353	46.2	ppm	1.96%
Mg 279.079	26809.8	2.743	0.1574	mg/L	2743	157.4	ppm	5.74%
Mn 257.610	65507.5	0.1530	0.00740	mg/L	153.0	7.40	ppm	4.84%
Mo 202.030	-1.6	-0.0001	0.00004	mg/L	-0.1135	0.03602	ppm	31.74%
Na 330.237	62.3	0.7685	0.15506	mg/L	768.5	155.06	ppm	20.18%
Ni 231.604	186.7	0.0046	0.00029	mg/L	4.641	0.2930	ppm	6.31%
Pb 220.353	13.5	0.0009	0.00051	mg/L	0.9324	0.50522	ppm	54.18%
Sb 206.833	0.7	0.0003	0.00136	mg/L	0.2638	1.36456	ppm	517.37%
Se 196.026	-2.6	0.0018	0.00176	mg/L	1.837	1.7647	ppm	96.05%
Tl 190.800	0.5	0.0001	0.00195	mg/L	0.1496	1.94885	ppm	>999.9%
V 292.402	4724.6	0.0468	0.00108	mg/L	46.81	1.077	ppm	2.30%
Zn 213.856	1263.2	0.0237	0.00028	mg/L	23.69	0.280	ppm	1.18%

Replicate Data

ID: 2864-9 MS F=200 Date: 04/28/03 01:45:17 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	16380.7	16801.2	0.2197	mg/L	43.95	ppm

1	Al 308.215	439210.2	438767.7	46.93 mg/L	9387 ppm
1	As 188.979	295.6	306.0	0.1172 mg/L	23.44 ppm
1	Ba 233.527	135601.9	136034.7	1.230 mg/L	246.0 ppm
1	Be 313.107	102110.1	104410.9	0.0422 mg/L	8.432 ppm
1	Ca 227.547	823.7	856.1	10.40 mg/L	2080 ppm
1	Cd 228.802	2525.3	2399.4	0.0579 mg/L	11.58 ppm
1	Co 228.616	9641.8	9570.3	0.2631 mg/L	52.63 ppm
1	Cr 267.716	15136.4	15199.3	0.3312 mg/L	66.25 ppm
1	Cu 324.754	28839.3	28290.8	0.2541 mg/L	50.82 ppm
1	Fe 273.955	1658544.7	1658724.3	77.88 mg/L	15580 ppm
1	K 766.491	823625.6	817538.3	14.35 mg/L	2870 ppm
1	Mg 279.079	164968.1	165983.3	16.98 mg/L	3397 ppm
1	Mn 257.610	447586.4	450969.6	1.053 mg/L	210.6 ppm
1	Mo 202.030	6162.7	6277.1	0.4569 mg/L	91.37 ppm
1	Na 330.237	5797.2	4563.2	11.22 mg/L	2245 ppm
1	Ni 231.604	10046.3	10099.3	0.2511 mg/L	50.22 ppm
1	Pb 220.353	11062.9	10728.4	0.7445 mg/L	148.9 ppm
1	Sb 206.833	257.0	226.2	0.0856 mg/L	17.12 ppm
1	Se 196.026	346.0	341.5	0.1177 mg/L	23.54 ppm
1	Tl 190.800	310.0	343.8	0.1092 mg/L	21.83 ppm
1	V 292.402	71799.9	71517.3	0.7148 mg/L	143.0 ppm
1	Zn 213.856	12591.6	12635.3	0.2370 mg/L	47.39 ppm
2	Ag 328.068	16531.7	16952.2	0.2217 mg/L	44.34 ppm
2	Al 308.215	436693.0	436250.4	46.67 mg/L	9333 ppm
2	As 188.979	310.4	320.7	0.1224 mg/L	24.49 ppm
2	Ba 233.527	133056.8	133489.7	1.207 mg/L	241.4 ppm
2	Be 313.107	101496.5	103797.2	0.0419 mg/L	8.382 ppm
2	Ca 227.547	802.0	834.4	10.14 mg/L	2027 ppm
2	Cd 228.802	2505.6	2379.7	0.0574 mg/L	11.48 ppm
2	Co 228.616	9340.1	9268.6	0.2548 mg/L	50.97 ppm
2	Cr 267.716	14718.2	14781.1	0.3221 mg/L	64.42 ppm
2	Cu 324.754	28838.7	28290.2	0.2540 mg/L	50.80 ppm
2	Fe 273.955	1642298.0	1642477.6	77.11 mg/L	15420 ppm
2	K 766.491	851058.3	844971.1	14.78 mg/L	2956 ppm
2	Mg 279.079	163232.0	164247.1	16.81 mg/L	3361 ppm
2	Mn 257.610	441577.7	444961.0	1.039 mg/L	207.8 ppm
2	Mo 202.030	6047.3	6161.8	0.4485 mg/L	89.69 ppm
2	Na 330.237	5997.3	4763.3	11.68 mg/L	2337 ppm
2	Ni 231.604	9723.5	9776.6	0.2431 mg/L	48.61 ppm
2	Pb 220.353	10757.9	10423.3	0.7234 mg/L	144.7 ppm
2	Sb 206.833	260.8	230.0	0.0872 mg/L	17.44 ppm
2	Se 196.026	367.8	363.3	0.1242 mg/L	24.84 ppm
2	Tl 190.800	332.0	365.8	0.1161 mg/L	23.22 ppm
2	V 292.402	72342.1	72059.5	0.7201 mg/L	144.0 ppm
2	Zn 213.856	12091.9	12135.6	0.2276 mg/L	45.52 ppm
3	Ag 328.068	16022.2	16442.7	0.2150 mg/L	43.01 ppm
3	Al 308.215	428516.6	428074.1	45.79 mg/L	9158 ppm
3	As 188.979	255.7	266.0	0.1026 mg/L	20.53 ppm
3	Ba 233.527	130995.8	131428.7	1.189 mg/L	237.7 ppm
3	Be 313.107	99069.4	101370.1	0.0409 mg/L	8.186 ppm
3	Ca 227.547	761.0	793.3	9.638 mg/L	1928 ppm
3	Cd 228.802	2441.1	2315.2	0.0558 mg/L	11.17 ppm
3	Co 228.616	8979.9	8908.4	0.2449 mg/L	48.99 ppm
3	Cr 267.716	14312.8	14375.7	0.3133 mg/L	62.66 ppm
3	Cu 324.754	28175.9	27627.4	0.2481 mg/L	49.62 ppm
3	Fe 273.955	1609578.7	1609758.3	75.58 mg/L	15120 ppm
3	K 766.491	817637.5	811550.3	14.25 mg/L	2851 ppm
3	Mg 279.079	159567.2	160582.4	16.43 mg/L	3286 ppm
3	Mn 257.610	432672.2	436055.4	1.018 mg/L	203.6 ppm
3	Mo 202.030	5863.8	5978.2	0.4351 mg/L	87.02 ppm
3	Na 330.237	5697.0	4462.9	10.99 mg/L	2198 ppm
3	Ni 231.604	9349.8	9402.9	0.2338 mg/L	46.75 ppm
3	Pb 220.353	10513.1	10178.5	0.7064 mg/L	141.3 ppm
3	Sb 206.833	304.6	273.8	0.1048 mg/L	20.96 ppm
3	Se 196.026	306.1	301.6	0.1052 mg/L	21.04 ppm
3	Tl 190.800	270.3	304.1	0.0967 mg/L	19.34 ppm
3	V 292.402	70560.4	70277.8	0.7023 mg/L	140.5 ppm
3	Zn 213.856	11843.2	11886.9	0.2229 mg/L	44.58 ppm

Mean Data

ID: 2864-9 MS F=200 Seq. No.: 48 Sample No.: 30 A/S Pos: 39

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 01:45:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	16732.0	0.2188	0.00342	mg/L	43.77	0.685	ppm	1.56%
Al 308.215	434364.1	46.46	0.598	mg/L	9293	119.6	ppm	1.29%
As 188.979	297.6	0.1141	0.01026	mg/L	22.82	2.053	ppm	8.99%
Ba 233.527	133651.0	1.209	0.0209	mg/L	241.7	4.17	ppm	1.73%
Be 313.107	103192.7	0.0417	0.00065	mg/L	8.333	0.1299	ppm	1.56%
Ca 227.547	827.9	10.06	0.387	mg/L	2012	77.5	ppm	3.85%
Cd 228.802	2364.8	0.0570	0.00106	mg/L	11.41	0.212	ppm	1.86%
Co 228.616	9249.1	0.2543	0.00911	mg/L	50.86	1.822	ppm	3.58%
Cr 267.716	14785.4	0.3222	0.00897	mg/L	64.44	1.795	ppm	2.79%
Cu 324.754	28069.5	0.2521	0.00344	mg/L	50.41	0.688	ppm	1.37%
Fe 273.955	1636986.8	76.86	1.171	mg/L	15370	234.2	ppm	1.52%
K 766.491	824686.5	14.46	0.281	mg/L	2892	56.1	ppm	1.94%
Mg 279.079	163604.3	16.74	0.282	mg/L	3348	56.4	ppm	1.69%
Mn 257.610	443995.3	1.037	0.0175	mg/L	207.3	3.50	ppm	1.69%
Mo 202.030	6139.0	0.4468	0.01097	mg/L	89.36	2.194	ppm	2.46%
Na 330.237	4596.5	11.30	0.352	mg/L	2260	70.4	ppm	3.12%
Ni 231.604	9759.6	0.2426	0.00867	mg/L	48.53	1.733	ppm	3.57%
Pb 220.353	10443.4	0.7247	0.01909	mg/L	144.9	3.82	ppm	2.63%
Sb 206.833	243.3	0.0925	0.01066	mg/L	18.51	2.131	ppm	11.52%
Se 196.026	335.5	0.1157	0.00966	mg/L	23.14	1.932	ppm	8.35%
Tl 190.800	337.9	0.1073	0.00984	mg/L	21.47	1.968	ppm	9.17%
V 292.402	71284.9	0.7124	0.00912	mg/L	142.5	1.82	ppm	1.28%
Zn 213.856	12219.3	0.2292	0.00715	mg/L	45.83	1.430	ppm	3.12%

Matrix Check Sample: 2864-9 MS F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.2188	0.003	mg/L	21.859
Al 308.215	43.80	46.46	0.598	mg/L	233.071
As 188.979	0.5009	0.1141	0.010	mg/L	22.633
Ba 233.527	4.260	1.209	0.021	mg/L	23.721
Be 313.107	0.1972	0.0417	0.001	mg/L	22.252
Ca 227.547	25.42	10.06	0.387	mg/L	23.211
Cd 228.802	0.2499	0.0570	0.001	mg/L	22.873
Co 228.616	1.033	0.2543	0.009	mg/L	22.098
Cr 267.716	1.090	0.3222	0.009	mg/L	23.196
Cu 324.754	1.029	0.2521	0.003	mg/L	22.300
Fe 273.955	70.89	76.86	1.171	mg/L	696.165
K 766.491	17.45	14.46	0.281	mg/L	40.128
Mg 279.079	23.51	16.74	0.282	mg/L	32.332
Mn 257.610	1.739	1.037	0.018	mg/L	29.759
Mo 202.030	2.001	0.4468	0.011	mg/L	22.311
Na 330.237	41.62	11.30	0.352	mg/L	24.204
Ni 231.604	1.022	0.2426	0.009	mg/L	22.053
Pb 220.353	3.012	0.7247	0.019	mg/L	23.749
Sb 206.833	0.5028	0.0925	0.011	mg/L	17.953
Se 196.026	0.5040	0.1157	0.010	mg/L	22.343
Tl 190.800	0.5010	0.1073	0.010	mg/L	21.258
V 292.402	2.235	0.7124	0.009	mg/L	23.858
Zn 213.856	0.6200	0.2292	0.007	mg/L	21.823

Replicate Data
ID: 2864-9 MSD F=200 Date: 04/28/03 01:47:51 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	16473.2	16893.7	0.2209	mg/L	44.19	ppm
1	Al 308.215	438618.8	438176.3	46.87	mg/L	9374	ppm
1	As 188.979	312.3	322.6	0.1232	mg/L	24.64	ppm
1	Ba 233.527	134441.6	134874.4	1.220	mg/L	243.9	ppm
1	Be 313.107	102430.5	104731.2	0.0423	mg/L	8.458	ppm
1	Ca 227.547	758.3	790.6	9.606	mg/L	1921	ppm
1	Cd 228.802	2520.1	2394.2	0.0578	mg/L	11.55	ppm
1	Co 228.616	9391.7	9320.2	0.2563	mg/L	51.25	ppm
1	Cr 267.716	14935.0	14997.9	0.3268	mg/L	65.37	ppm

1 Cu 324.754	28977.0	28428.5	0.2553 mg/L	51.05 ppm	
1 Fe 273.955	1651244.6	1651424.3	77.53 mg/L	15510 ppm	
1 K 766.491	837359.5	831272.3	14.57 mg/L	2913 ppm	
1 Mg 279.079	164205.4	165220.5	16.90 mg/L	3381 ppm	
1 Mn 257.610	445365.5	448748.7	1.048 mg/L	209.6 ppm	
1 Mo 202.030	6070.1	6184.5	0.4501 mg/L	90.02 ppm	
1 Na 330.237	5790.4	4556.4	11.21 mg/L	2241 ppm	
1 Ni 231.604	9798.4	9851.4	0.2449 mg/L	48.98 ppm	
1 Pb 220.353	10797.5	10462.9	0.7261 mg/L	145.2 ppm	
1 Sb 206.833	296.4	265.6	0.1014 mg/L	20.28 ppm	
1 Se 196.026	328.7	324.2	0.1124 mg/L	22.48 ppm	
1 Tl 190.800	315.9	349.7	0.1110 mg/L	22.21 ppm	
1 V 292.402	72231.2	71948.6	0.7191 mg/L	143.8 ppm	
1 Zn 213.856	12453.1	12496.8	0.2344 mg/L	46.87 ppm	
2 Ag 328.068	16240.7	16661.2	0.2179 mg/L	43.58 ppm	
2 Al 308.215	432936.4	432493.8	46.26 mg/L	9253 ppm	
2 As 188.979	280.8	291.1	0.1117 mg/L	22.35 ppm	
2 Ba 233.527	131322.2	131755.0	1.192 mg/L	238.3 ppm	
2 Be 313.107	100767.7	103068.4	0.0416 mg/L	8.323 ppm	
2 Ca 227.547	758.3	790.7	9.606 mg/L	1921 ppm	
2 Cd 228.802	2523.1	2397.2	0.0578 mg/L	11.56 ppm	
2 Co 228.616	9300.1	9228.7	0.2537 mg/L	50.75 ppm	
2 Cr 267.716	14753.0	14815.9	0.3229 mg/L	64.58 ppm	
2 Cu 324.754	28669.8	28121.3	0.2525 mg/L	50.49 ppm	
2 Fe 273.955	1624004.0	1624183.6	76.25 mg/L	15250 ppm	
2 K 766.491	857940.5	851853.2	14.89 mg/L	2978 ppm	
2 Mg 279.079	160520.3	161535.4	16.53 mg/L	3306 ppm	
2 Mn 257.610	437600.1	440983.3	1.030 mg/L	205.9 ppm	
2 Mo 202.030	6084.9	6199.3	0.4512 mg/L	90.24 ppm	
2 Na 330.237	5722.3	4488.3	11.05 mg/L	2210 ppm	
2 Ni 231.604	9656.5	9709.6	0.2414 mg/L	48.28 ppm	
2 Pb 220.353	10767.3	10432.8	0.7240 mg/L	144.8 ppm	
2 Sb 206.833	311.7	281.0	0.1076 mg/L	21.53 ppm	
2 Se 196.026	368.1	363.6	0.1241 mg/L	24.83 ppm	
2 Tl 190.800	352.4	386.3	0.1225 mg/L	24.50 ppm	
2 V 292.402	71419.1	71136.5	0.7109 mg/L	142.2 ppm	
2 Zn 213.856	12122.9	12166.6	0.2282 mg/L	45.63 ppm	
3 Ag 328.068	16310.7	16731.2	0.2188 mg/L	43.76 ppm	
3 Al 308.215	433535.1	433092.6	46.33 mg/L	9265 ppm	
3 As 188.979	331.2	341.5	0.1298 mg/L	25.97 ppm	
3 Ba 233.527	131457.3	131890.2	1.193 mg/L	238.5 ppm	
3 Be 313.107	100318.4	102619.2	0.0414 mg/L	8.287 ppm	
3 Ca 227.547	773.2	805.6	9.787 mg/L	1957 ppm	
3 Cd 228.802	2508.2	2382.3	0.0575 mg/L	11.49 ppm	
3 Co 228.616	9286.3	9214.8	0.2534 mg/L	50.67 ppm	
3 Cr 267.716	14560.0	14622.9	0.3187 mg/L	63.73 ppm	
3 Cu 324.754	28768.4	28219.9	0.2533 mg/L	50.67 ppm	
3 Fe 273.955	1620289.1	1620468.8	76.08 mg/L	15220 ppm	
3 K 766.491	858053.9	851966.6	14.89 mg/L	2978 ppm	
3 Mg 279.079	159570.0	160585.1	16.43 mg/L	3286 ppm	
3 Mn 257.610	436228.5	439611.7	1.026 mg/L	205.3 ppm	
3 Mo 202.030	6012.0	6126.4	0.4459 mg/L	89.18 ppm	
3 Na 330.237	5586.6	4352.5	10.74 mg/L	2147 ppm	
3 Ni 231.604	9720.2	9773.3	0.2430 mg/L	48.60 ppm	
3 Pb 220.353	10742.3	10407.8	0.7223 mg/L	144.5 ppm	
3 Sb 206.833	259.6	228.8	0.0868 mg/L	17.35 ppm	
3 Se 196.026	333.7	329.2	0.1136 mg/L	22.73 ppm	
3 Tl 190.800	339.7	373.5	0.1185 mg/L	23.70 ppm	
3 V 292.402	71493.9	71211.3	0.7116 mg/L	142.3 ppm	
3 Zn 213.856	12290.1	12333.8	0.2313 mg/L	46.26 ppm	

Mean Data ----------

ID: 2864-9 MSD F=200 Seq. No.: 49 Sample No.: 31 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 01:47:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	16762.0	0.2192	0.00156	mg/L	43.84	0.312	ppm	0.71%
Al 308.215	434587.6	46.49	0.334	mg/L	9297	66.8	ppm	0.72%
As 188.979	318.4	0.1216	0.00916	mg/L	24.32	1.832	ppm	7.53%

Ba 233.527	132839.9	1.201	0.0159 mg/L	240.3	3.19 ppm	1.33%
Be 313.107	103472.9	0.0418	0.00045 mg/L	8.356	0.0898 ppm	1.08%
Ca 227.547	795.6	9.666	0.1047 mg/L	1933	20.9 ppm	1.08%
Cd 228.802	2391.3	0.0577	0.00019 mg/L	11.54	0.038 ppm	0.33%
Co 228.616	9254.5	0.2545	0.00158 mg/L	50.89	0.315 ppm	0.62%
Cr 267.716	14812.2	0.3228	0.00409 mg/L	64.56	0.817 ppm	1.27%
Cu 324.754	28256.5	0.2537	0.00143 mg/L	50.74	0.286 ppm	0.56%
Fe 273.955	1632025.6	76.62	0.794 mg/L	15320	158.7 ppm	1.04%
K 766.491	845030.7	14.78	0.187 mg/L	2956	37.4 ppm	1.27%
Mg 279.079	162447.0	16.62	0.251 mg/L	3324	50.1 ppm	1.51%
Mn 257.610	443114.6	1.035	0.0115 mg/L	206.9	2.30 ppm	1.11%
Mo 202.030	6170.1	0.4491	0.00280 mg/L	89.81	0.561 ppm	0.62%
Na 330.237	4465.7	11.00	0.239 mg/L	2200	47.8 ppm	2.17%
Ni 231.604	9778.1	0.2431	0.00177 mg/L	48.62	0.353 ppm	0.73%
Pb 220.353	10434.5	0.7241	0.00191 mg/L	144.8	0.38 ppm	0.26%
Sb 206.833	258.5	0.0986	0.01071 mg/L	19.72	2.142 ppm	10.86%
Se 196.026	339.0	0.1167	0.00645 mg/L	23.34	1.289 ppm	5.52%
Tl 190.800	369.8	0.1174	0.00582 mg/L	23.47	1.164 ppm	4.96%
V 292.402	71432.1	0.7139	0.00451 mg/L	142.8	0.90 ppm	0.63%
Zn 213.856	12332.4	0.2313	0.00310 mg/L	46.25	0.619 ppm	1.34%

Matrix Check Sample: 2864-9 MSD F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.2192	0.002	mg/L	21.898
Al 308.215	43.80	46.49	0.334	mg/L	234.266
As 188.979	0.5009	0.1216	0.009	mg/L	24.129
Ba 233.527	4.260	1.201	0.016	mg/L	23.538
Be 313.107	0.1972	0.0418	0.000	mg/L	22.308
Ca 227.547	25.42	9.666	0.105	mg/L	21.249
Cd 228.802	0.2499	0.0577	0.000	mg/L	23.128
Co 228.616	1.033	0.2545	0.002	mg/L	22.113
Cr 267.716	1.090	0.3228	0.004	mg/L	23.254
Cu 324.754	1.029	0.2537	0.001	mg/L	22.463
Fe 273.955	70.89	76.62	0.794	mg/L	672.871
K 766.491	17.45	14.78	0.187	mg/L	46.529
Mg 279.079	23.51	16.62	0.251	mg/L	31.148
Mn 257.610	1.739	1.035	0.012	mg/L	29.553
Mo 202.030	2.001	0.4491	0.003	mg/L	22.424
Na 330.237	41.62	11.00	0.239	mg/L	23.451
Ni 231.604	1.022	0.2431	0.002	mg/L	22.099
Pb 220.353	3.012	0.7241	0.002	mg/L	23.729
Sb 206.833	0.5028	0.0986	0.011	mg/L	19.166
Se 196.026	0.5040	0.1167	0.006	mg/L	22.549
Tl 190.800	0.5010	0.1174	0.006	mg/L	23.265
V 292.402	2.235	0.7139	0.005	mg/L	23.930
Zn 213.856	0.6200	0.2313	0.003	mg/L	22.247

Replicate Data ----------
ID: 2864-9 PS F=200 Date: 04/28/03 01:50:26 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	16674.3	17094.8	0.2236	mg/L	44.71	ppm
1	Al 308.215	408506.1	408063.5	43.65	mg/L	8730	ppm
1	As 188.979	337.6	348.0	0.1318	mg/L	26.36	ppm
1	Ba 233.527	134326.5	134759.3	1.219	mg/L	243.7	ppm
1	Be 313.107	105087.3	107388.0	0.0434	mg/L	8.672	ppm
1	Ca 227.547	826.8	859.1	10.44	mg/L	2088	ppm
1	Cd 228.802	2655.9	2530.0	0.0610	mg/L	12.21	ppm
1	Co 228.616	9801.0	9729.5	0.2675	mg/L	53.50	ppm
1	Cr 267.716	15048.8	15111.7	0.3293	mg/L	65.86	ppm
1	Cu 324.754	29423.0	28874.5	0.2588	mg/L	51.76	ppm
1	Fe 273.955	1536164.3	1536344.0	72.13	mg/L	14430	ppm
1	K 766.491	795226.3	789139.0	13.90	mg/L	2780	ppm
1	Mg 279.079	159146.0	160161.1	16.39	mg/L	3277	ppm
1	Mn 257.610	416066.7	419449.9	0.9794	mg/L	195.9	ppm
1	Mo 202.030	6635.0	6749.5	0.4912	mg/L	98.25	ppm
1	Na 330.237	5926.4	4692.4	11.52	mg/L	2304	ppm
1	Ni 231.604	10145.7	10198.8	0.2536	mg/L	50.71	ppm

1	Pb 220.353	11186.1	10851.6	0.7530 mg/L	150.6 ppm
1	Sb 206.833	299.1	268.4	0.1028 mg/L	20.57 ppm
1	Se 196.026	442.1	437.7	0.1459 mg/L	29.17 ppm
1	Tl 190.800	296.7	330.5	0.1050 mg/L	21.00 ppm
1	V 292.402	71855.9	71573.3	0.7149 mg/L	143.0 ppm
1	Zn 213.856	12482.4	12526.1	0.2349 mg/L	46.98 ppm
2	Ag 328.068	16779.1	17199.6	0.2249 mg/L	44.99 ppm
2	Al 308.215	400254.0	399811.4	42.77 mg/L	8553 ppm
2	As 188.979	318.6	329.0	0.1248 mg/L	24.96 ppm
2	Ba 233.527	130929.9	131362.8	1.188 mg/L	237.6 ppm
2	Be 313.107	102632.6	104933.3	0.0424 mg/L	8.474 ppm
2	Ca 227.547	790.9	823.2	10.00 mg/L	2000 ppm
2	Cd 228.802	2538.5	2412.6	0.0582 mg/L	11.64 ppm
2	Co 228.616	9484.6	9413.1	0.2588 mg/L	51.76 ppm
2	Cr 267.716	14747.2	14810.1	0.3228 mg/L	64.55 ppm
2	Cu 324.754	28681.2	28132.7	0.2522 mg/L	50.44 ppm
2	Fe 273.955	1505162.3	1505342.0	70.67 mg/L	14130 ppm
2	K 766.491	800241.8	794154.5	13.98 mg/L	2796 ppm
2	Mg 279.079	155497.9	156513.0	16.01 mg/L	3203 ppm
2	Mn 257.610	406635.1	410018.3	0.9574 mg/L	191.5 ppm
2	Mo 202.030	6567.7	6682.1	0.4863 mg/L	97.27 ppm
2	Na 330.237	5761.6	4527.6	11.14 mg/L	2228 ppm
2	Ni 231.604	9865.5	9918.6	0.2466 mg/L	49.32 ppm
2	Pb 220.353	10974.1	10639.6	0.7382 mg/L	147.6 ppm
2	Sb 206.833	362.1	331.4	0.1281 mg/L	25.63 ppm
2	Se 196.026	357.5	353.1	0.1199 mg/L	23.98 ppm
2	Tl 190.800	325.3	359.1	0.1140 mg/L	22.80 ppm
2	V 292.402	70426.0	70143.4	0.7006 mg/L	140.1 ppm
2	Zn 213.856	12140.7	12184.4	0.2285 mg/L	45.70 ppm
3	Ag 328.068	16378.3	16798.8	0.2197 mg/L	43.94 ppm
3	Al 308.215	389511.2	389068.7	41.62 mg/L	8324 ppm
3	As 188.979	309.1	319.4	0.1212 mg/L	24.25 ppm
3	Ba 233.527	126743.7	127176.5	1.150 mg/L	230.0 ppm
3	Be 313.107	100310.4	102611.1	0.0414 mg/L	8.286 ppm
3	Ca 227.547	752.5	784.8	9.535 mg/L	1907 ppm
3	Cd 228.802	2470.1	2344.2	0.0565 mg/L	11.31 ppm
3	Co 228.616	9569.8	9498.3	0.2612 mg/L	52.23 ppm
3	Cr 267.716	14615.4	14678.3	0.3199 mg/L	63.98 ppm
3	Cu 324.754	28260.9	27712.4	0.2484 mg/L	49.68 ppm
3	Fe 273.955	1473081.0	1473260.7	69.17 mg/L	13830 ppm
3	K 766.491	795706.1	789618.8	13.91 mg/L	2781 ppm
3	Mg 279.079	151386.3	152401.4	15.59 mg/L	3119 ppm
3	Mn 257.610	397834.2	401217.4	0.9368 mg/L	187.4 ppm
3	Mo 202.030	6550.3	6664.7	0.4851 mg/L	97.01 ppm
3	Na 330.237	5596.8	4362.7	10.76 mg/L	2152 ppm
3	Ni 231.604	9883.2	9936.3	0.2470 mg/L	49.41 ppm
3	Pb 220.353	11043.1	10708.5	0.7430 mg/L	148.6 ppm
3	Sb 206.833	285.9	255.1	0.0977 mg/L	19.55 ppm
3	Se 196.026	376.1	371.6	0.1253 mg/L	25.06 ppm
3	Tl 190.800	337.0	370.8	0.1176 mg/L	23.53 ppm
3	V 292.402	69103.7	68821.1	0.6874 mg/L	137.5 ppm
3	Zn 213.856	12159.3	12203.1	0.2288 mg/L	45.77 ppm

Mean Data

ID: 2864-9 PS F=200 Seq. No.: 50 Sample No.: 32 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 01:50:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	17031.1	0.2227	0.00272	mg/L	44.55	0.544	ppm	1.22%
Al 308.215	398981.2	42.68	1.019	mg/L	8536	203.8	ppm	2.39%
As 188.979	332.1	0.1260	0.00536	mg/L	25.19	1.072	ppm	4.26%
Ba 233.527	131099.6	1.186	0.0343	mg/L	237.1	6.87	ppm	2.90%
Be 313.107	104977.5	0.0424	0.00096	mg/L	8.477	0.1929	ppm	2.28%
Ca 227.547	822.4	9.992	0.4516	mg/L	1998	90.3	ppm	4.52%
Cd 228.802	2428.9	0.0586	0.00227	mg/L	11.72	0.453	ppm	3.87%
Co 228.616	9547.0	0.2625	0.00450	mg/L	52.50	0.900	ppm	1.71%
Cr 267.716	14866.7	0.3240	0.00484	mg/L	64.80	0.968	ppm	1.49%
Cu 324.754	28239.9	0.2531	0.00527	mg/L	50.63	1.055	ppm	2.08%
Fe 273.955	1504982.2	70.66	1.481	mg/L	14130	296.2	ppm	2.10%

K 766.491	790970.8	13.93	0.044 mg/L	2786	8.8 ppm	0.32%
Mg 279.079	156358.5	16.00	0.397 mg/L	3200	79.4 ppm	2.48%
Mn 257.610	410228.6	0.9579	0.02129 mg/L	191.6	4.26 ppm	2.22%
Mo 202.030	6698.8	0.4875	0.00326 mg/L	97.51	0.651 ppm	0.67%
Na 330.237	4527.6	11.14	0.380 mg/L	2228	75.9 ppm	3.41%
Ni 231.604	10017.9	0.2491	0.00390 mg/L	49.81	0.780 ppm	1.57%
Pb 220.353	10733.2	0.7447	0.00751 mg/L	148.9	1.50 ppm	1.01%
Sb 206.833	285.0	0.1096	0.01628 mg/L	21.91	3.257 ppm	14.86%
Se 196.026	387.5	0.1304	0.01370 mg/L	26.07	2.739 ppm	10.51%
Tl 190.800	353.5	0.1122	0.00650 mg/L	22.44	1.301 ppm	5.80%
V 292.402	70179.3	0.7010	0.01376 mg/L	140.2	2.75 ppm	1.96%
Zn 213.856	12304.5	0.2307	0.00360 mg/L	46.15	0.721 ppm	1.56%

Matrix Check Sample: 2864-9 PS F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.2227	0.003	mg/L	22.250
Al 308.215	43.80	42.68	1.019	mg/L	43.827
As 188.979	0.5009	0.1260	0.005	mg/L	25.003
Ba 233.527	4.260	1.186	0.034	mg/L	23.144
Be 313.107	0.1972	0.0424	0.001	mg/L	22.612
Ca 227.547	25.42	9.992	0.452	mg/L	22.875
Cd 228.802	0.2499	0.0586	0.002	mg/L	23.492
Co 228.616	1.033	0.2625	0.005	mg/L	22.917
Cr 267.716	1.090	0.3240	0.005	mg/L	23.373
Cu 324.754	1.029	0.2531	0.005	mg/L	22.407
Fe 273.955	70.89	70.66	1.481	mg/L	76.389
K 766.491	17.45	13.93	0.044	mg/L	29.472
Mg 279.079	23.51	16.00	0.397	mg/L	24.918
Mn 257.610	1.739	0.9579	0.021	mg/L	21.874
Mo 202.030	2.001	0.4875	0.003	mg/L	24.348
Na 330.237	41.62	11.14	0.380	mg/L	23.807
Ni 231.604	1.022	0.2491	0.004	mg/L	22.695
Pb 220.353	3.012	0.7447	0.008	mg/L	24.415
Sb 206.833	0.5028	0.1096	0.016	mg/L	21.362
Se 196.026	0.5040	0.1304	0.014	mg/L	25.275
Tl 190.800	0.5010	0.1122	0.007	mg/L	22.234
V 292.402	2.235	0.7010	0.014	mg/L	23.285
Zn 213.856	0.6200	0.2307	0.004	mg/L	22.143

Replicate Data ----------

ID: CCV 1447B Date: 04/28/03 01:53:01 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	72288.7	72709.2	0.9509	mg/L		
1	Al 308.215	45862.3	45419.7	4.859	mg/L		
1	As 188.979	1382.6	1393.0	0.5031	mg/L		
1	Ba 233.527	533460.5	533893.4	4.828	mg/L		
1	Be 313.107	1196539.5	1198840.2	0.4841	mg/L		
1	Ca 227.547	4188.7	4221.1	51.28	mg/L		
1	Cd 228.802	40930.2	40804.3	0.9843	mg/L		
1	Co 228.616	70929.2	70857.7	1.948	mg/L		
1	Cr 267.716	22411.0	22473.9	0.4898	mg/L		
1	Cu 324.754	218145.7	217597.2	1.913	mg/L		
1	Fe 273.955	102936.6	103116.3	4.831	mg/L		
1	K 766.491	856423.9	850336.6	14.86	mg/L		
1	Mg 279.079	234087.2	235102.3	24.06	mg/L		
1	Mn 257.610	825652.6	829035.8	1.936	mg/L		
1	Mo 202.030	26756.0	26870.4	1.956	mg/L		
1	Na 330.237	47027.7	45793.6	100.00	mg/L		
1	Ni 231.604	78539.6	78592.7	1.954	mg/L		
1	Pb 220.353	7552.4	7217.9	0.5001	mg/L		
1	Sb 206.833	5043.8	5013.0	2.008	mg/L		
1	Se 196.026	1714.8	1710.3	0.5192	mg/L		
1	Tl 190.800	1543.2	1577.0	0.4987	mg/L		
1	V 292.402	194719.4	194436.9	1.926	mg/L		
1	Zn 213.856	105038.7	105082.4	1.971	mg/L		
2	Ag 328.068	72988.1	73408.6	0.9601	mg/L		

2	Al 308.215	46082.1	45639.5	4.882 mg/L
2	As 188.979	1390.9	1401.2	0.5060 mg/L
2	Ba 233.527	532666.9	533099.8	4.821 mg/L
2	Be 313.107	1204462.4	1206763.2	0.4873 mg/L
2	Ca 227.547	4010.6	4042.9	49.12 mg/L
2	Cd 228.802	40113.4	39987.5	0.9646 mg/L
2	Co 228.616	71392.2	71320.7	1.961 mg/L
2	Cr 267.716	21732.1	21795.0	0.4750 mg/L
2	Cu 324.754	219988.0	219439.5	1.929 mg/L
2	Fe 273.955	103517.1	103696.8	4.859 mg/L
2	K 766.491	856797.6	850710.4	14.87 mg/L
2	Mg 279.079	235227.6	236242.7	24.17 mg/L
2	Mn 257.610	828323.5	831706.7	1.942 mg/L
2	Mo 202.030	25960.3	26074.7	1.898 mg/L
2	Na 330.237	47163.1	45929.1	100.3 mg/L
2	Ni 231.604	79251.2	79304.3	1.972 mg/L
2	Pb 220.353	7415.1	7080.6	0.4906 mg/L
2	Sb 206.833	4938.9	4908.1	1.966 mg/L
2	Se 196.026	1634.5	1630.1	0.4949 mg/L
2	Tl 190.800	1517.1	1551.0	0.4905 mg/L
2	V 292.402	196459.8	196177.2	1.944 mg/L
2	Zn 213.856	106302.9	106346.6	1.994 mg/L
3	Ag 328.068	72139.1	72559.6	0.9490 mg/L
3	Al 308.215	45718.5	45276.0	4.843 mg/L
3	As 188.979	1333.7	1344.0	0.4854 mg/L
3	Ba 233.527	526338.2	526771.1	4.764 mg/L
3	Be 313.107	1193449.1	1195749.9	0.4828 mg/L
3	Ca 227.547	3961.1	3993.4	48.52 mg/L
3	Cd 228.802	39069.7	38943.8	0.9394 mg/L
3	Co 228.616	70882.5	70811.0	1.947 mg/L
3	Cr 267.716	21118.0	21180.9	0.4616 mg/L
3	Cu 324.754	217935.0	217386.5	1.911 mg/L
3	Fe 273.955	102657.0	102836.7	4.818 mg/L
3	K 766.491	857175.2	851087.9	14.88 mg/L
3	Mg 279.079	233189.3	234204.4	23.96 mg/L
3	Mn 257.610	820188.7	823571.9	1.923 mg/L
3	Mo 202.030	25593.6	25708.0	1.871 mg/L
3	Na 330.237	46927.2	45693.2	99.79 mg/L
3	Ni 231.604	78656.7	78709.7	1.957 mg/L
3	Pb 220.353	7254.5	6919.9	0.4795 mg/L
3	Sb 206.833	4807.5	4776.8	1.913 mg/L
3	Se 196.026	1634.3	1629.9	0.4948 mg/L
3	Tl 190.800	1477.1	1510.9	0.4779 mg/L
3	V 292.402	194403.7	194121.1	1.923 mg/L
3	Zn 213.856	105673.4	105717.1	1.983 mg/L

Mean Data ----------

ID: CCV 1447B Seq. No.: 51 Sample No.: 5 A/S Pos: 6

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 04/28/03 01:53:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72892.4	0.9533	0.00593	mg/L				0.62%
Al 308.215	45445.1	4.861	0.0196	mg/L				0.40%
As 188.979	1379.4	0.4982	0.01116	mg/L				2.24%
Ba 233.527	531254.7	4.804	0.0353	mg/L				0.73%
Be 313.107	1200451.1	0.4847	0.00229	mg/L				0.47%
Ca 227.547	4085.8	49.64	1.455	mg/L				2.93%
Cd 228.802	39911.9	0.9627	0.02249	mg/L				2.34%
Co 228.616	70996.5	1.952	0.0077	mg/L				0.40%
Cr 267.716	21816.6	0.4754	0.01409	mg/L				2.96%
Cu 324.754	218141.1	1.918	0.0099	mg/L				0.52%
Fe 273.955	103216.6	4.836	0.0206	mg/L				0.42%
K 766.491	850711.7	14.87	0.006	mg/L				0.04%
Mg 279.079	235183.1	24.06	0.105	mg/L				0.43%
Mn 257.610	828104.8	1.934	0.0097	mg/L				0.50%
Mo 202.030	26217.7	1.908	0.0433	mg/L				2.27%
Na 330.237	45805.3	100.0	0.24	mg/L				0.24%
Ni 231.604	78868.9	1.961	0.0095	mg/L				0.48%
Pb 220.353	7072.8	0.4901	0.01033	mg/L				2.11%
Sb 206.833	4899.3	1.962	0.0473	mg/L				2.41%

Se 196.026	1656.8	0.5030	0.01408 mg/L	2.80%
Tl 190.800	1546.3	0.4891	0.01047 mg/L	2.14%
V 292.402	194911.7	1.931	0.0110 mg/L	0.57%
Zn 213.856	105715.4	1.983	0.0119 mg/L	0.60%

Replicate Data ----------

ID: CCB Date: 04/28/03 01:55:51 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-298.7	121.8	0.0016	mg/L		
1	Al 308.215	539.8	97.3	0.0104	mg/L		
1	As 188.979	-16.8	-6.4	-0.0023	mg/L		
1	Ba 233.527	-390.5	42.3	0.0004	mg/L		
1	Be 313.107	-2106.5	194.2	0.0001	mg/L		
1	Ca 227.547	-22.8	9.6	0.1160	mg/L		
1	Cd 228.802	120.4	-5.5	-0.0001	mg/L		
1	Co 228.616	86.8	15.3	0.0004	mg/L		
1	Cr 267.716	-82.7	-19.8	-0.0004	mg/L		
1	Cu 324.754	585.1	36.6	0.0003	mg/L		
1	Fe 273.955	-150.7	29.0	0.0014	mg/L		
1	K 766.491	6322.9	235.7	0.0750	mg/L		
1	Mg 279.079	-994.6	20.5	0.0021	mg/L		
1	Mn 257.610	-3182.5	200.7	0.0005	mg/L		
1	Mo 202.030	-98.5	15.9	0.0012	mg/L		
1	Na 330.237	1170.9	-63.1	0.4745	mg/L		
1	Ni 231.604	-47.6	5.5	0.0001	mg/L		
1	Pb 220.353	280.7	-53.8	-0.0037	mg/L		
1	Sb 206.833	40.4	9.6	0.0038	mg/L		
1	Se 196.026	7.6	3.1	0.0010	mg/L		
1	Tl 190.800	-22.9	10.9	0.0034	mg/L		
1	V 292.402	250.9	-31.7	-0.0003	mg/L		
1	Zn 213.856	-25.3	18.4	0.0003	mg/L		
2	Ag 328.068	-437.3	-16.8	-0.0002	mg/L		
2	Al 308.215	505.1	62.6	0.0067	mg/L		
2	As 188.979	-16.5	-6.2	-0.0022	mg/L		
2	Ba 233.527	-401.2	31.6	0.0003	mg/L		
2	Be 313.107	-2217.5	83.2	0.0000	mg/L		
2	Ca 227.547	-40.2	-7.9	-0.0958	mg/L		
2	Cd 228.802	124.9	-1.0	0.0000	mg/L		
2	Co 228.616	84.2	12.7	0.0003	mg/L		
2	Cr 267.716	-63.2	-0.3	0.0000	mg/L		
2	Cu 324.754	586.6	38.1	0.0003	mg/L		
2	Fe 273.955	-178.8	0.9	0.0000	mg/L		
2	K 766.491	5776.3	-310.9	0.0643	mg/L		
2	Mg 279.079	-984.4	30.7	0.0031	mg/L		
2	Mn 257.610	-3204.2	179.0	0.0004	mg/L		
2	Mo 202.030	-104.3	10.1	0.0007	mg/L		
2	Na 330.237	1081.9	-152.1	0.2661	mg/L		
2	Ni 231.604	-63.0	-9.9	-0.0002	mg/L		
2	Pb 220.353	346.5	12.0	0.0008	mg/L		
2	Sb 206.833	27.2	-3.6	-0.0014	mg/L		
2	Se 196.026	10.4	5.9	0.0018	mg/L		
2	Tl 190.800	-33.9	-0.0	0.0000	mg/L		
2	V 292.402	191.1	-91.5	-0.0009	mg/L		
2	Zn 213.856	-50.2	-6.5	-0.0001	mg/L		
3	Ag 328.068	-322.6	97.9	0.0013	mg/L		
3	Al 308.215	450.4	7.8	0.0008	mg/L		
3	As 188.979	-14.8	-4.4	-0.0016	mg/L		
3	Ba 233.527	-394.3	38.5	0.0003	mg/L		
3	Be 313.107	-2241.8	58.9	0.0000	mg/L		
3	Ca 227.547	-28.3	4.0	0.0491	mg/L		
3	Cd 228.802	127.3	1.4	0.0000	mg/L		
3	Co 228.616	82.0	10.5	0.0003	mg/L		
3	Cr 267.716	-62.1	0.9	0.0000	mg/L		
3	Cu 324.754	426.1	-122.4	-0.0011	mg/L		
3	Fe 273.955	-161.4	18.2	0.0009	mg/L		
3	K 766.491	6018.7	-68.6	0.0691	mg/L		
3	Mg 279.079	-997.8	17.3	0.0018	mg/L		
3	Mn 257.610	-3262.7	120.5	0.0003	mg/L		

3 Mo 202.030	-101.9	12.5	0.0009	mg/L
3 Na 330.237	1242.9	8.9	0.6433	mg/L
3 Ni 231.604	-45.6	7.5	0.0002	mg/L
3 Pb 220.353	312.0	-22.6	-0.0016	mg/L
3 Sb 206.833	26.9	-3.9	-0.0015	mg/L
3 Se 196.026	-7.0	-11.5	-0.0035	mg/L
3 Tl 190.800	-30.9	2.9	0.0009	mg/L
3 V 292.402	92.4	-190.2	-0.0019	mg/L
3 Zn 213.856	-48.1	-4.4	-0.0001	mg/L

Mean Data ----------

ID: CCB Seq. No.: 52 Sample No.: 6 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 01:55:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	67.6	0.0009	0.00097	mg/L				109.60%
Al 308.215	55.9	0.0060	0.00482	mg/L				80.70%
As 188.979	-5.7	-0.0020	0.00040	mg/L				19.33%
Ba 233.527	37.5	0.0003	0.00005	mg/L				14.48%
Be 313.107	112.1	0.0000	0.00003	mg/L				64.35%
Ca 227.547	1.9	0.0231	0.10828	mg/L				468.15%
Cd 228.802	-1.7	0.0000	0.00009	mg/L				207.07%
Co 228.616	12.8	0.0004	0.00007	mg/L				18.60%
Cr 267.716	-6.4	-0.0001	0.00025	mg/L				180.93%
Cu 324.754	-15.9	-0.0001	0.00081	mg/L				579.84%
Fe 273.955	16.0	0.0008	0.00067	mg/L				88.44%
K 766.491	-48.0	0.0695	0.00535	mg/L				7.71%
Mg 279.079	22.8	0.0023	0.00072	mg/L				30.77%
Mn 257.610	166.7	0.0004	0.00010	mg/L				24.88%
Mo 202.030	12.8	0.0009	0.00021	mg/L				22.73%
Na 330.237	-68.8	0.4613	0.18897	mg/L				40.96%
Ni 231.604	1.0	0.0000	0.00024	mg/L				928.61%
Pb 220.353	-21.5	-0.0015	0.00228	mg/L				153.38%
Sb 206.833	0.7	0.0003	0.00308	mg/L				>999.9%
Se 196.026	-0.8	-0.0002	0.00283	mg/L				>999.9%
Tl 190.800	4.6	0.0014	0.00178	mg/L				123.67%
V 292.402	-104.4	-0.0010	0.00079	mg/L				76.64%
Zn 213.856	2.5	0.0000	0.00026	mg/L				550.80%

Replicate Data ----------

ID: 2864-10 F=200 Date: 04/28/03 01:59:03 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	-492.4	-71.9	-0.0009	mg/L	-0.1880	ppm
1 Al 308.215	657680.9	657238.3	70.30	mg/L	14060	ppm
1 As 188.979	-53.2	-42.9	-0.0048	mg/L	-0.9572	ppm
1 Ba 233.527	38679.4	39112.3	0.3537	mg/L	70.74	ppm
1 Be 313.107	-10410.1	-8109.3	-0.0033	mg/L	-0.6549	ppm
1 Ca 227.547	476.6	509.0	6.184	mg/L	1237	ppm
1 Cd 228.802	40.5	-85.4	-0.0021	mg/L	-0.4118	ppm
1 Co 228.616	2842.3	2770.8	0.0762	mg/L	15.24	ppm
1 Cr 267.716	5402.2	5465.1	0.1191	mg/L	23.82	ppm
1 Cu 324.754	6543.3	5994.8	0.0606	mg/L	12.13	ppm
1 Fe 273.955	2448095.6	2448275.3	114.9	mg/L	22990	ppm
1 K 766.491	1322475.6	1316388.3	21.84	mg/L	4368	ppm
1 Mg 279.079	240725.5	241740.7	24.73	mg/L	4947	ppm
1 Mn 257.610	1165459.2	1168842.4	2.729	mg/L	545.8	ppm
1 Mo 202.030	-102.2	12.2	-0.0022	mg/L	-0.4330	ppm
1 Na 330.237	2757.5	1523.5	4.182	mg/L	836.3	ppm
1 Ni 231.604	1487.2	1540.3	0.0383	mg/L	7.659	ppm
1 Pb 220.353	424.9	90.3	0.0080	mg/L	1.604	ppm
1 Sb 206.833	11.0	-19.8	-0.0151	mg/L	-3.028	ppm
1 Se 196.026	-81.7	-86.1	-0.0055	mg/L	-1.092	ppm
1 Tl 190.800	-19.3	14.5	0.0046	mg/L	0.9116	ppm
1 V 292.402	29874.4	29591.9	0.3024	mg/L	60.48	ppm
1 Zn 213.856	11585.0	11628.7	0.2118	mg/L	42.37	ppm
2 Ag 328.068	-695.3	-274.8	-0.0036	mg/L	-0.7188	ppm
2 Al 308.215	668771.6	668329.1	71.49	mg/L	14300	ppm

2 As 188.979	-64.5	-54.2	-0.0088 mg/L	-1.757 ppm	
2 Ba 233.527	38734.0	39166.8	0.3542 mg/L	70.84 ppm	
2 Be 313.107	-10370.0	-8069.3	-0.0033 mg/L	-0.6516 ppm	
2 Ca 227.547	615.8	648.1	7.874 mg/L	1575 ppm	
2 Cd 228.802	86.9	-39.0	-0.0009 mg/L	-0.1884 ppm	
2 Co 228.616	2935.9	2864.4	0.0788 mg/L	15.75 ppm	
2 Cr 267.716	5653.0	5715.9	0.1246 mg/L	24.91 ppm	
2 Cu 324.754	6862.7	6314.2	0.0635 mg/L	12.70 ppm	
2 Fe 273.955	2460942.5	2461122.1	115.6 mg/L	23110 ppm	
2 K 766.491	1431440.1	1425352.8	23.39 mg/L	4678 ppm	
2 Mg 279.079	241351.1	242366.2	24.80 mg/L	4960 ppm	
2 Mn 257.610	1172037.1	1175420.3	2.745 mg/L	548.9 ppm	
2 Mo 202.030	-104.2	10.3	-0.0023 mg/L	-0.4647 ppm	
2 Na 330.237	2363.2	1129.2	3.262 mg/L	652.5 ppm	
2 Ni 231.604	1562.5	1615.5	0.0402 mg/L	8.033 ppm	
2 Pb 220.353	528.6	194.0	0.0153 mg/L	3.056 ppm	
2 Sb 206.833	43.5	12.7	-0.0022 mg/L	-0.4371 ppm	
2 Se 196.026	-77.3	-81.8	-0.0040 mg/L	-0.8038 ppm	
2 Tl 190.800	-121.4	-87.6	-0.0275 mg/L	-5.508 ppm	
2 V 292.402	30552.9	30270.4	0.3092 mg/L	61.83 ppm	
2 Zn 213.856	12246.1	12289.8	0.2242 mg/L	44.84 ppm	
3 Ag 328.068	-343.5	77.0	0.0010 mg/L	0.2015 ppm	
3 Al 308.215	636977.2	636534.6	68.09 mg/L	13620 ppm	
3 As 188.979	-19.1	-8.7	0.0071 mg/L	1.419 ppm	
3 Ba 233.527	37042.3	37475.2	0.3389 mg/L	67.78 ppm	
3 Be 313.107	-9945.4	-7644.7	-0.0031 mg/L	-0.6173 ppm	
3 Ca 227.547	560.5	592.8	7.203 mg/L	1441 ppm	
3 Cd 228.802	123.5	-2.4	-0.0001 mg/L	-0.0113 ppm	
3 Co 228.616	2773.5	2702.0	0.0743 mg/L	14.86 ppm	
3 Cr 267.716	5371.8	5434.7	0.1184 mg/L	23.69 ppm	
3 Cu 324.754	6161.9	5613.4	0.0570 mg/L	11.39 ppm	
3 Fe 273.955	2355331.1	2355510.8	110.6 mg/L	22120 ppm	
3 K 766.491	1321119.0	1315031.7	21.82 mg/L	4364 ppm	
3 Mg 279.079	230300.5	231315.7	23.67 mg/L	4734 ppm	
3 Mn 257.610	1117871.3	1121254.5	2.618 mg/L	523.6 ppm	
3 Mo 202.030	-111.9	2.5	0.0002 mg/L	0.0371 ppm	
3 Na 330.237	2492.6	1258.6	3.564 mg/L	712.8 ppm	
3 Ni 231.604	1489.4	1542.5	0.0383 mg/L	7.670 ppm	
3 Pb 220.353	548.7	214.1	0.0166 mg/L	3.314 ppm	
3 Sb 206.833	34.8	4.1	-0.0053 mg/L	-1.063 ppm	
3 Se 196.026	-73.4	-77.9	-0.0037 mg/L	-0.7461 ppm	
3 Tl 190.800	-47.9	-14.1	-0.0044 mg/L	-0.8872 ppm	
3 V 292.402	29253.6	28971.0	0.2959 mg/L	59.18 ppm	
3 Zn 213.856	11667.5	11711.2	0.2136 mg/L	42.72 ppm	

Mean Data

ID: 2864-10 F=200 Seq. No.: 53 Sample No.: 33 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 01:59:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-89.9	-0.0012	0.00231	mg/L	-0.2351	0.46197	ppm	196.49%
Al 308.215	654034.0	69.96	1.726	mg/L	13990	345.2	ppm	2.47%
As 188.979	-35.3	-0.0022	0.00826	mg/L	-0.4318	1.65204	ppm	382.58%
Ba 233.527	38584.8	0.3489	0.00869	mg/L	69.79	1.739	ppm	2.49%
Be 313.107	-7941.1	-0.0032	0.00010	mg/L	-0.6413	0.02079	ppm	3.24%
Ca 227.547	583.3	7.087	0.8513	mg/L	1417	170.3	ppm	12.01%
Cd 228.802	-42.3	-0.0010	0.00100	mg/L	-0.2038	0.20068	ppm	98.45%
Co 228.616	2779.1	0.0764	0.00224	mg/L	15.28	0.448	ppm	2.93%
Cr 267.716	5538.6	0.1207	0.00336	mg/L	24.14	0.673	ppm	2.79%
Cu 324.754	5974.1	0.0604	0.00326	mg/L	12.07	0.652	ppm	5.40%
Fe 273.955	2421636.1	113.7	2.71	mg/L	22740	541.1	ppm	2.38%
K 766.491	1352257.6	22.35	0.899	mg/L	4470	179.7	ppm	4.02%
Mg 279.079	238474.2	24.40	0.635	mg/L	4880	127.0	ppm	2.60%
Mn 257.610	1155172.4	2.697	0.0690	mg/L	539.5	13.80	ppm	2.56%
Mo 202.030	8.3	-0.0014	0.00141	mg/L	-0.2869	0.28100	ppm	97.94%
Na 330.237	1303.7	3.669	0.4686	mg/L	733.9	93.71	ppm	12.77%
Ni 231.604	1566.1	0.0389	0.00107	mg/L	7.787	0.2130	ppm	2.74%
Pb 220.353	166.2	0.0133	0.00461	mg/L	2.658	0.9217	ppm	34.68%
Sb 206.833	-1.0	-0.0075	0.00676	mg/L	-1.509	1.3518	ppm	89.56%
Se 196.026	-81.9	-0.0044	0.00093	mg/L	-0.8806	0.18525	ppm	21.04%

Tl 190.800	-29.1	-0.0091	0.01656 mg/L	-1.828	3.3115 ppm	181.18%
V 292.402	29611.1	0.3025	0.00664 mg/L	60.50	1.327 ppm	2.19%
Zn 213.856	11876.6	0.2166	0.00668 mg/L	43.31	1.337 ppm	3.09%

Replicate Data

ID: 2864-11 F=200 Date: 04/28/03 02:01:39 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-361.1	59.4	0.0008	mg/L	0.1554	ppm
1	Al 308.215	597498.4	597055.8	63.87	mg/L	12770	ppm
1	As 188.979	-7.1	3.3	0.0118	mg/L	2.368	ppm
1	Ba 233.527	36349.5	36782.4	0.3326	mg/L	66.53	ppm
1	Be 313.107	-8567.6	-6266.9	-0.0025	mg/L	-0.5061	ppm
1	Ca 227.547	530.9	563.3	6.843	mg/L	1369	ppm
1	Cd 228.802	81.6	-44.3	-0.0011	mg/L	-0.2138	ppm
1	Co 228.616	2937.8	2866.3	0.0788	mg/L	15.76	ppm
1	Cr 267.716	5470.5	5533.4	0.1206	mg/L	24.12	ppm
1	Cu 324.754	5961.6	5413.1	0.0555	mg/L	11.11	ppm
1	Fe 273.955	2454214.7	2454394.4	115.2	mg/L	23050	ppm
1	K 766.491	1292266.0	1286178.7	21.41	mg/L	4281	ppm
1	Mg 279.079	233859.8	234875.0	24.03	mg/L	4806	ppm
1	Mn 257.610	1137710.0	1141093.2	2.664	mg/L	532.9	ppm
1	Mo 202.030	-146.7	-32.3	-0.0054	mg/L	-1.082	ppm
1	Na 330.237	2592.7	1358.7	3.797	mg/L	759.5	ppm
1	Ni 231.604	1410.7	1463.8	0.0364	mg/L	7.278	ppm
1	Pb 220.353	600.4	265.8	0.0197	mg/L	3.931	ppm
1	Sb 206.833	41.1	10.3	-0.0031	mg/L	-0.6226	ppm
1	Se 196.026	-58.5	-63.0	0.0016	mg/L	0.3259	ppm
1	Tl 190.800	-93.4	-59.6	-0.0187	mg/L	-3.747	ppm
1	V 292.402	30397.7	30115.1	0.3076	mg/L	61.52	ppm
1	Zn 213.856	10914.6	10958.3	0.1992	mg/L	39.85	ppm
2	Ag 328.068	-365.1	55.4	0.0007	mg/L	0.1449	ppm
2	Al 308.215	601008.1	600565.6	64.24	mg/L	12850	ppm
2	As 188.979	-12.9	-2.6	0.0097	mg/L	1.945	ppm
2	Ba 233.527	36230.8	36663.7	0.3316	mg/L	66.31	ppm
2	Be 313.107	-8702.6	-6401.8	-0.0026	mg/L	-0.5170	ppm
2	Ca 227.547	493.0	525.3	6.382	mg/L	1276	ppm
2	Cd 228.802	127.5	1.6	0.0000	mg/L	0.0079	ppm
2	Co 228.616	2946.3	2874.8	0.0790	mg/L	15.81	ppm
2	Cr 267.716	5491.5	5554.4	0.1210	mg/L	24.21	ppm
2	Cu 324.754	6021.0	5472.5	0.0561	mg/L	11.21	ppm
2	Fe 273.955	2453112.7	2453292.3	115.2	mg/L	23040	ppm
2	K 766.491	1299735.0	1293647.8	21.52	mg/L	4303	ppm
2	Mg 279.079	233967.0	234982.1	24.04	mg/L	4809	ppm
2	Mn 257.610	1132549.6	1135932.8	2.652	mg/L	530.5	ppm
2	Mo 202.030	-121.4	-7.0	-0.0036	mg/L	-0.7133	ppm
2	Na 330.237	2692.8	1458.8	4.031	mg/L	806.1	ppm
2	Ni 231.604	1273.8	1326.8	0.0330	mg/L	6.597	ppm
2	Pb 220.353	743.2	408.7	0.0296	mg/L	5.917	ppm
2	Sb 206.833	63.2	32.5	0.0057	mg/L	1.150	ppm
2	Se 196.026	-60.3	-64.8	0.0011	mg/L	0.2127	ppm
2	Tl 190.800	-72.1	-38.3	-0.0120	mg/L	-2.407	ppm
2	V 292.402	30595.3	30312.7	0.3096	mg/L	61.91	ppm
2	Zn 213.856	10829.2	10872.9	0.1976	mg/L	39.53	ppm
3	Ag 328.068	-447.9	-27.4	-0.0004	mg/L	-0.0717	ppm
3	Al 308.215	593624.2	593181.6	63.45	mg/L	12690	ppm
3	As 188.979	-19.9	-9.6	0.0071	mg/L	1.414	ppm
3	Ba 233.527	35596.2	36029.1	0.3258	mg/L	65.16	ppm
3	Be 313.107	-8705.5	-6404.8	-0.0026	mg/L	-0.5172	ppm
3	Ca 227.547	539.9	572.3	6.953	mg/L	1391	ppm
3	Cd 228.802	119.3	-6.6	-0.0002	mg/L	-0.0316	ppm
3	Co 228.616	2831.9	2760.4	0.0759	mg/L	15.18	ppm
3	Cr 267.716	5253.9	5316.8	0.1159	mg/L	23.17	ppm
3	Cu 324.754	5959.2	5410.7	0.0554	mg/L	11.08	ppm
3	Fe 273.955	2419472.8	2419652.5	113.6	mg/L	22720	ppm
3	K 766.491	1317619.2	1311531.9	21.77	mg/L	4354	ppm
3	Mg 279.079	229315.4	230330.5	23.57	mg/L	4713	ppm
3	Mn 257.610	1119371.1	1122754.3	2.622	mg/L	524.3	ppm
3	Mo 202.030	-132.3	-17.9	-0.0043	mg/L	-0.8640	ppm

3 Na 330.237	2692.8	1458.7	4.031 mg/L	806.1 ppm	
3 Ni 231.604	1381.9	1435.0	0.0357 mg/L	7.135 ppm	
3 Pb 220.353	525.1	190.6	0.0145 mg/L	2.892 ppm	
3 Sb 206.833	11.7	-19.1	-0.0148 mg/L	-2.956 ppm	
3 Se 196.026	-48.8	-53.3	0.0043 mg/L	0.8542 ppm	
3 Tl 190.800	-54.2	-20.4	-0.0064 mg/L	-1.284 ppm	
3 V 292.402	30296.9	30014.3	0.3065 mg/L	61.29 ppm	
3 Zn 213.856	10539.8	10583.5	0.1923 mg/L	38.46 ppm	

Mean Data ----------

ID: 2864-11 F=200 Seq. No.: 54 Sample No.: 34 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:01:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	29.1	0.0004	0.00064	mg/L	0.0762	0.12819	ppm	168.16%
Al 308.215	596934.3	63.85	0.395	mg/L	12770	79.0	ppm	0.62%
As 188.979	-3.0	0.0095	0.00239	mg/L	1.909	0.4781	ppm	25.05%
Ba 233.527	36491.7	0.3300	0.00366	mg/L	66.00	0.733	ppm	1.11%
Be 313.107	-6357.8	-0.0026	0.00003	mg/L	-0.5134	0.00636	ppm	1.24%
Ca 227.547	553.6	6.726	0.3028	mg/L	1345	60.6	ppm	4.50%
Cd 228.802	-16.4	-0.0004	0.00059	mg/L	-0.0792	0.11826	ppm	149.37%
Co 228.616	2833.9	0.0779	0.00175	mg/L	15.58	0.350	ppm	2.25%
Cr 267.716	5468.2	0.1192	0.00287	mg/L	23.83	0.573	ppm	2.40%
Cu 324.754	5432.1	0.0557	0.00034	mg/L	11.13	0.069	ppm	0.62%
Fe 273.955	2442446.4	114.7	0.93	mg/L	22940	185.4	ppm	0.81%
K 766.491	1297119.5	21.56	0.187	mg/L	4313	37.5	ppm	0.87%
Mg 279.079	233395.9	23.88	0.272	mg/L	4776	54.3	ppm	1.14%
Mn 257.610	1133260.1	2.646	0.0221	mg/L	529.2	4.42	ppm	0.83%
Mo 202.030	-19.0	-0.0044	0.00093	mg/L	-0.8866	0.18555	ppm	20.93%
Na 330.237	1425.4	3.953	0.1346	mg/L	790.6	26.93	ppm	3.41%
Ni 231.604	1408.5	0.0350	0.00180	mg/L	7.004	0.3590	ppm	5.13%
Pb 220.353	288.4	0.0212	0.00768	mg/L	4.246	1.5368	ppm	36.19%
Sb 206.833	7.9	-0.0040	0.01030	mg/L	-0.8097	2.05935	ppm	254.35%
Se 196.026	-60.4	0.0023	0.00171	mg/L	0.4643	0.34241	ppm	73.75%
Tl 190.800	-39.4	-0.0124	0.00616	mg/L	-2.479	1.2327	ppm	49.72%
V 292.402	30147.4	0.3079	0.00156	mg/L	61.57	0.312	ppm	0.51%
Zn 213.856	10804.9	0.1964	0.00363	mg/L	39.28	0.727	ppm	1.85%

Replicate Data ----------

ID: 2864-17 F=200 Date: 04/28/03 02:04:14 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	-486.8	-66.3	-0.0009	mg/L	-0.1734	ppm
1 Al 308.215	264829.4	264386.8	28.28	mg/L	5656	ppm
1 As 188.979	38.3	48.7	0.0250	mg/L	5.002	ppm
1 Ba 233.527	18517.8	18950.6	0.1714	mg/L	34.28	ppm
1 Be 313.107	-3697.9	-1397.2	-0.0006	mg/L	-0.1128	ppm
1 Ca 227.547	930.7	963.1	11.70	mg/L	2340	ppm
1 Cd 228.802	125.1	-0.8	0.0000	mg/L	-0.0036	ppm
1 Co 228.616	1173.5	1102.0	0.0303	mg/L	6.060	ppm
1 Cr 267.716	3043.8	3106.7	0.0677	mg/L	13.54	ppm
1 Cu 324.754	4030.1	3481.6	0.0362	mg/L	7.239	ppm
1 Fe 273.955	1726477.5	1726657.2	81.07	mg/L	16210	ppm
1 K 766.491	480207.7	474120.5	8.715	mg/L	1743	ppm
1 Mg 279.079	176516.8	177531.9	18.16	mg/L	3633	ppm
1 Mn 257.610	470901.4	474284.6	1.107	mg/L	221.5	ppm
1 Mo 202.030	-111.4	3.1	0.0002	mg/L	0.0444	ppm
1 Na 330.237	3288.5	2054.5	5.417	mg/L	1083	ppm
1 Ni 231.604	1479.5	1532.6	0.0381	mg/L	7.620	ppm
1 Pb 220.353	860.0	525.4	0.0359	mg/L	7.187	ppm
1 Sb 206.833	56.8	26.1	0.0053	mg/L	1.068	ppm
1 Se 196.026	22.9	18.4	0.0202	mg/L	4.039	ppm
1 Tl 190.800	-10.3	23.5	0.0074	mg/L	1.478	ppm
1 V 292.402	16235.5	15953.0	0.1645	mg/L	32.91	ppm
1 Zn 213.856	11569.0	11612.7	0.2178	mg/L	43.56	ppm
2 Ag 328.068	-416.5	4.0	0.0001	mg/L	0.0104	ppm
2 Al 308.215	248484.9	248042.4	26.53	mg/L	5307	ppm
2 As 188.979	35.7	46.1	0.0237	mg/L	4.733	ppm

2 Ba 233.527	18351.8	18784.7	0.1699 mg/L	33.98 ppm	
2 Be 313.107	-3753.1	-1452.3	-0.0006 mg/L	-0.1173 ppm	
2 Ca 227.547	846.9	879.3	10.68 mg/L	2137 ppm	
2 Cd 228.802	90.0	-35.9	-0.0009 mg/L	-0.1730 ppm	
2 Co 228.616	1167.6	1096.1	0.0301 mg/L	6.028 ppm	
2 Cr 267.716	3013.9	3076.8	0.0671 mg/L	13.41 ppm	
2 Cu 324.754	4018.1	3469.6	0.0358 mg/L	7.159 ppm	
2 Fe 273.955	1635042.7	1635222.4	76.78 mg/L	15360 ppm	
2 K 766.491	447177.9	441090.6	8.148 mg/L	1630 ppm	
2 Mg 279.079	166134.6	167149.8	17.10 mg/L	3420 ppm	
2 Mn 257.610	444326.1	447709.3	1.045 mg/L	209.1 ppm	
2 Mo 202.030	-94.3	20.1	0.0015 mg/L	0.2930 ppm	
2 Na 330.237	3135.0	1900.9	5.060 mg/L	1012 ppm	
2 Ni 231.604	1642.7	1695.8	0.0422 mg/L	8.432 ppm	
2 Pb 220.353	863.7	529.1	0.0362 mg/L	7.239 ppm	
2 Sb 206.833	39.1	8.4	-0.0015 mg/L	-0.2943 ppm	
2 Se 196.026	2.5	-2.0	0.0132 mg/L	2.644 ppm	
2 Tl 190.800	-51.1	-17.3	-0.0054 mg/L	-1.087 ppm	
2 V 292.402	15537.1	15254.5	0.1573 mg/L	31.46 ppm	
2 Zn 213.856	11750.3	11794.0	0.2212 mg/L	44.24 ppm	
3 Ag 328.068	-586.1	-165.6	-0.0022 mg/L	-0.4333 ppm	
3 Al 308.215	254679.7	254237.2	27.20 mg/L	5439 ppm	
3 As 188.979	56.0	66.4	0.0310 mg/L	6.207 ppm	
3 Ba 233.527	18004.4	18437.3	0.1667 mg/L	33.35 ppm	
3 Be 313.107	-3842.2	-1541.5	-0.0006 mg/L	-0.1245 ppm	
3 Ca 227.547	760.1	792.4	9.627 mg/L	1925 ppm	
3 Cd 228.802	138.9	13.0	0.0003 mg/L	0.0627 ppm	
3 Co 228.616	1139.5	1068.1	0.0294 mg/L	5.873 ppm	
3 Cr 267.716	2983.9	3046.8	0.0664 mg/L	13.28 ppm	
3 Cu 324.754	3825.2	3276.7	0.0341 mg/L	6.829 ppm	
3 Fe 273.955	1649377.7	1649557.3	77.45 mg/L	15490 ppm	
3 K 766.491	478018.2	471931.0	8.678 mg/L	1736 ppm	
3 Mg 279.079	166981.2	167996.3	17.19 mg/L	3438 ppm	
3 Mn 257.610	447946.1	451329.3	1.054 mg/L	210.8 ppm	
3 Mo 202.030	-112.5	2.0	0.0001 mg/L	0.0284 ppm	
3 Na 330.237	3188.0	1954.0	5.184 mg/L	1037 ppm	
3 Ni 231.604	1599.1	1652.2	0.0411 mg/L	8.215 ppm	
3 Pb 220.353	883.4	548.8	0.0376 mg/L	7.518 ppm	
3 Sb 206.833	-2.7	-33.4	-0.0182 mg/L	-3.650 ppm	
3 Se 196.026	43.7	39.2	0.0259 mg/L	5.170 ppm	
3 Tl 190.800	-49.1	-15.3	-0.0048 mg/L	-0.9614 ppm	
3 V 292.402	15883.3	15600.8	0.1608 mg/L	32.15 ppm	
3 Zn 213.856	11497.4	11541.1	0.2164 mg/L	43.29 ppm	

Mean Data ----------

ID: 2864-17 F=200 Seq. No.: 55 Sample No.: 35 A/S Pos: 44
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:04:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-76.0	-0.0010	0.00111	mg/L	-0.1988	0.22292	ppm	112.15%
Al 308.215	255555.5	27.34	0.883	mg/L	5467	176.5	ppm	3.23%
As 188.979	53.7	0.0266	0.00392	mg/L	5.314	0.7847	ppm	14.77%
Ba 233.527	18724.2	0.1693	0.00237	mg/L	33.87	0.474	ppm	1.40%
Be 313.107	-1463.6	-0.0006	0.00003	mg/L	-0.1182	0.00588	ppm	4.97%
Ca 227.547	878.2	10.67	1.037	mg/L	2134	207.3	ppm	9.72%
Cd 228.802	-7.9	-0.0002	0.00061	mg/L	-0.0380	0.12153	ppm	319.89%
Co 228.616	1088.7	0.0299	0.00050	mg/L	5.987	0.0997	ppm	1.67%
Cr 267.716	3076.8	0.0671	0.00065	mg/L	13.41	0.131	ppm	0.97%
Cu 324.754	3409.3	0.0354	0.00109	mg/L	7.076	0.2174	ppm	3.07%
Fe 273.955	1670479.0	78.43	2.309	mg/L	15690	461.8	ppm	2.94%
K 766.491	462380.7	8.514	0.3168	mg/L	1703	63.4	ppm	3.72%
Mg 279.079	170892.6	17.49	0.590	mg/L	3497	118.0	ppm	3.37%
Mn 257.610	457774.4	1.069	0.0337	mg/L	213.8	6.73	ppm	3.15%
Mo 202.030	8.4	0.0006	0.00074	mg/L	0.1220	0.14836	ppm	121.65%
Na 330.237	1969.8	5.220	0.1813	mg/L	1044	36.3	ppm	3.47%
Ni 231.604	1626.8	0.0404	0.00210	mg/L	8.089	0.4202	ppm	5.19%
Pb 220.353	534.5	0.0366	0.00089	mg/L	7.315	0.1783	ppm	2.44%
Sb 206.833	0.4	-0.0048	0.01214	mg/L	-0.9585	2.42809	ppm	253.31%
Se 196.026	18.6	0.0198	0.00633	mg/L	3.951	1.2655	ppm	32.03%
Tl 190.800	-3.0	-0.0010	0.00723	mg/L	-0.1902	1.44605	ppm	760.11%

V 292.402	15602.7	0.1609	0.00363 mg/L	32.17	0.727 ppm	2.26%
Zn 213.856	11649.3	0.2185	0.00245 mg/L	43.69	0.489 ppm	1.12%

Replicate Data

ID: 2864-18 F=200 Date: 04/28/03 02:06:49 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-466.7	-46.2	-0.0006	mg/L	-0.1209	ppm
1	Al 308.215	268514.8	268072.3	28.68	mg/L	5735	ppm
1	As 188.979	81.8	92.2	0.0407	mg/L	8.144	ppm
1	Ba 233.527	17822.2	18255.1	0.1651	mg/L	33.02	ppm
1	Be 313.107	-3789.9	-1489.2	-0.0006	mg/L	-0.1203	ppm
1	Ca 227.547	919.8	952.1	11.57	mg/L	2314	ppm
1	Cd 228.802	149.5	23.6	0.0006	mg/L	0.1137	ppm
1	Co 228.616	1202.7	1131.2	0.0311	mg/L	6.221	ppm
1	Cr 267.716	2909.0	2971.9	0.0648	mg/L	12.95	ppm
1	Cu 324.754	6214.9	5666.4	0.0555	mg/L	11.09	ppm
1	Fe 273.955	1745598.2	1745777.8	81.97	mg/L	16390	ppm
1	K 766.491	440751.6	434664.3	8.038	mg/L	1608	ppm
1	Mg 279.079	187177.7	188192.8	19.26	mg/L	3851	ppm
1	Mn 257.610	462597.8	465981.0	1.088	mg/L	217.6	ppm
1	Mo 202.030	-90.4	24.0	0.0017	mg/L	0.3491	ppm
1	Na 330.237	2138.5	904.5	2.738	mg/L	547.6	ppm
1	Ni 231.604	1518.6	1571.7	0.0391	mg/L	7.815	ppm
1	Pb 220.353	1060.0	725.5	0.0498	mg/L	9.959	ppm
1	Sb 206.833	19.0	-11.8	-0.0099	mg/L	-1.972	ppm
1	Se 196.026	-0.2	-4.7	0.0133	mg/L	2.669	ppm
1	Tl 190.800	-40.5	-6.6	-0.0021	mg/L	-0.4180	ppm
1	V 292.402	19109.8	18827.2	0.1931	mg/L	38.62	ppm
1	Zn 213.856	12005.9	12049.6	0.2260	mg/L	45.19	ppm
2	Ag 328.068	-448.7	-28.2	-0.0004	mg/L	-0.0738	ppm
2	Al 308.215	262394.2	261951.6	28.02	mg/L	5604	ppm
2	As 188.979	34.6	44.9	0.0236	mg/L	4.713	ppm
2	Ba 233.527	17392.4	17825.3	0.1612	mg/L	32.24	ppm
2	Be 313.107	-3592.8	-1292.0	-0.0005	mg/L	-0.1043	ppm
2	Ca 227.547	905.2	937.5	11.39	mg/L	2278	ppm
2	Cd 228.802	107.8	-18.1	-0.0004	mg/L	-0.0874	ppm
2	Co 228.616	1243.2	1171.7	0.0322	mg/L	6.443	ppm
2	Cr 267.716	2837.5	2900.5	0.0632	mg/L	12.64	ppm
2	Cu 324.754	6107.3	5558.8	0.0544	mg/L	10.88	ppm
2	Fe 273.955	1706371.9	1706551.5	80.13	mg/L	16030	ppm
2	K 766.491	433834.6	427747.3	7.918	mg/L	1584	ppm
2	Mg 279.079	181612.0	182627.1	18.69	mg/L	3737	ppm
2	Mn 257.610	450617.9	454001.2	1.060	mg/L	212.0	ppm
2	Mo 202.030	-74.2	40.2	0.0029	mg/L	0.5855	ppm
2	Na 330.237	2188.7	954.6	2.855	mg/L	571.0	ppm
2	Ni 231.604	1502.9	1556.0	0.0387	mg/L	7.737	ppm
2	Pb 220.353	1006.5	672.0	0.0461	mg/L	9.220	ppm
2	Sb 206.833	74.4	43.6	0.0124	mg/L	2.483	ppm
2	Se 196.026	-29.2	-33.7	0.0042	mg/L	0.8390	ppm
2	Tl 190.800	-27.6	6.2	0.0020	mg/L	0.3917	ppm
2	V 292.402	18665.0	18382.4	0.1885	mg/L	37.71	ppm
2	Zn 213.856	11864.3	11908.0	0.2233	mg/L	44.66	ppm
3	Ag 328.068	-475.7	-55.2	-0.0007	mg/L	-0.1443	ppm
3	Al 308.215	255236.8	254794.2	27.26	mg/L	5451	ppm
3	As 188.979	105.4	115.7	0.0488	mg/L	9.769	ppm
3	Ba 233.527	17335.7	17768.5	0.1607	mg/L	32.14	ppm
3	Be 313.107	-3682.9	-1382.1	-0.0006	mg/L	-0.1116	ppm
3	Ca 227.547	844.9	877.3	10.66	mg/L	2132	ppm
3	Cd 228.802	129.8	3.9	0.0001	mg/L	0.0188	ppm
3	Co 228.616	1276.7	1205.2	0.0331	mg/L	6.628	ppm
3	Cr 267.716	2919.5	2982.4	0.0650	mg/L	13.00	ppm
3	Cu 324.754	6009.1	5460.6	0.0534	mg/L	10.68	ppm
3	Fe 273.955	1663498.5	1663678.2	78.11	mg/L	15620	ppm
3	K 766.491	429856.4	423769.2	7.849	mg/L	1570	ppm
3	Mg 279.079	176752.5	177767.6	18.19	mg/L	3638	ppm
3	Mn 257.610	437663.3	441046.5	1.030	mg/L	206.0	ppm
3	Mo 202.030	-159.1	-44.6	-0.0032	mg/L	-0.6499	ppm
3	Na 330.237	1820.0	585.9	1.994	mg/L	398.7	ppm

3 Ni 231.604	1650.0	1703.0	0.0423 mg/L	8.468 ppm	
3 Pb 220.353	1175.0	840.4	0.0578 mg/L	11.56 ppm	
3 Sb 206.833	72.0	41.3	0.0116 mg/L	2.321 ppm	
3 Se 196.026	-28.3	-32.7	0.0041 mg/L	0.8256 ppm	
3 Tl 190.800	-71.4	-37.6	-0.0118 mg/L	-2.366 ppm	
3 V 292.402	18302.6	18020.0	0.1848 mg/L	36.96 ppm	
3 Zn 213.856	11963.8	12007.5	0.2252 mg/L	45.04 ppm	

Mean Data ----------

ID: 2864-18 F=200 Seq. No.: 56 Sample No.: 36 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:06:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-43.2	-0.0006	0.00018	mg/L	-0.1130	0.03593	ppm	31.80%
Al 308.215	261606.0	27.98	0.711	mg/L	5597	142.2	ppm	2.54%
As 188.979	84.3	0.0377	0.01291	mg/L	7.542	2.5811	ppm	34.22%
Ba 233.527	17949.6	0.1623	0.00241	mg/L	32.46	0.481	ppm	1.48%
Be 313.107	-1387.8	-0.0006	0.00004	mg/L	-0.1121	0.00797	ppm	7.11%
Ca 227.547	922.3	11.21	0.482	mg/L	2241	96.4	ppm	4.30%
Cd 228.802	3.1	0.0001	0.00050	mg/L	0.0150	0.10062	ppm	670.26%
Co 228.616	1169.4	0.0322	0.00102	mg/L	6.431	0.2039	ppm	3.17%
Cr 267.716	2951.6	0.0643	0.00097	mg/L	12.86	0.194	ppm	1.51%
Cu 324.754	5561.9	0.0544	0.00104	mg/L	10.88	0.208	ppm	1.91%
Fe 273.955	1705335.8	80.07	1.928	mg/L	16010	385.6	ppm	2.41%
K 766.491	428726.9	7.935	0.0952	mg/L	1587	19.0	ppm	1.20%
Mg 279.079	182862.5	18.71	0.534	mg/L	3742	106.7	ppm	2.85%
Mn 257.610	453676.2	1.059	0.0291	mg/L	211.9	5.82	ppm	2.75%
Mo 202.030	6.5	0.0005	0.00328	mg/L	0.0949	0.65576	ppm	691.19%
Na 330.237	815.0	2.529	0.4671	mg/L	505.8	93.43	ppm	18.47%
Ni 231.604	1610.3	0.0400	0.00201	mg/L	8.007	0.4014	ppm	5.01%
Pb 220.353	746.0	0.0512	0.00597	mg/L	10.24	1.194	ppm	11.65%
Sb 206.833	24.4	0.0047	0.01263	mg/L	0.9440	2.52684	ppm	267.66%
Se 196.026	-23.7	0.0072	0.00530	mg/L	1.444	1.0602	ppm	73.40%
Tl 190.800	-12.7	-0.0040	0.00709	mg/L	-0.7973	1.41724	ppm	177.76%
V 292.402	18409.9	0.1888	0.00416	mg/L	37.76	0.832	ppm	2.20%
Zn 213.856	11988.3	0.2248	0.00136	mg/L	44.96	0.273	ppm	0.61%

Replicate Data ----------

ID: 2864-19 F=200 Date: 04/28/03 02:09:25 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	-402.8	17.7	0.0002	mg/L	0.0462	ppm
1 Al 308.215	325835.6	325393.1	34.81	mg/L	6961	ppm
1 As 188.979	45.1	55.4	0.0278	mg/L	5.561	ppm
1 Ba 233.527	18632.3	19065.1	0.1724	mg/L	34.48	ppm
1 Be 313.107	-5668.1	-3367.3	-0.0014	mg/L	-0.2719	ppm
1 Ca 227.547	816.8	849.2	10.32	mg/L	2063	ppm
1 Cd 228.802	89.8	-36.1	-0.0009	mg/L	-0.1739	ppm
1 Co 228.616	1197.9	1126.4	0.0310	mg/L	6.194	ppm
1 Cr 267.716	3129.7	3192.6	0.0696	mg/L	13.92	ppm
1 Cu 324.754	4993.4	4444.9	0.0450	mg/L	8.990	ppm
1 Fe 273.955	1814381.8	1814561.4	85.20	mg/L	17040	ppm
1 K 766.491	632652.1	626564.8	11.27	mg/L	2254	ppm
1 Mg 279.079	217810.0	218825.1	22.39	mg/L	4478	ppm
1 Mn 257.610	500623.0	504006.2	1.177	mg/L	235.4	ppm
1 Mo 202.030	-61.5	53.0	0.0039	mg/L	0.7708	ppm
1 Na 330.237	3029.5	1795.5	4.815	mg/L	962.9	ppm
1 Ni 231.604	1567.2	1620.3	0.0403	mg/L	8.057	ppm
1 Pb 220.353	941.4	606.9	0.0420	mg/L	8.393	ppm
1 Sb 206.833	42.3	11.6	-0.0007	mg/L	-0.1459	ppm
1 Se 196.026	-39.0	-43.5	0.0021	mg/L	0.4279	ppm
1 Tl 190.800	-64.8	-31.0	-0.0097	mg/L	-1.946	ppm
1 V 292.402	17841.8	17559.2	0.1808	mg/L	36.16	ppm
1 Zn 213.856	12663.0	12706.7	0.2383	mg/L	47.66	ppm
2 Ag 328.068	-404.5	16.0	0.0002	mg/L	0.0417	ppm
2 Al 308.215	313716.1	313273.6	33.51	mg/L	6702	ppm
2 As 188.979	42.9	53.3	0.0267	mg/L	5.348	ppm
2 Ba 233.527	18174.4	18607.2	0.1683	mg/L	33.65	ppm

2	Be 313.107	-5536.0	-3235.3	-0.0013 mg/L	-0.2613 ppm
2	Ca 227.547	834.8	867.1	10.54 mg/L	2107 ppm
2	Cd 228.802	54.3	-71.6	-0.0017 mg/L	-0.3456 ppm
2	Co 228.616	1198.8	1127.3	0.0310 mg/L	6.199 ppm
2	Cr 267.716	3093.1	3156.0	0.0688 mg/L	13.76 ppm
2	Cu 324.754	4726.7	4178.2	0.0424 mg/L	8.476 ppm
2	Fe 273.955	1744900.4	1745080.0	81.93 mg/L	16390 ppm
2	K 766.491	628799.9	622712.6	11.21 mg/L	2242 ppm
2	Mg 279.079	208625.7	209640.8	21.45 mg/L	4290 ppm
2	Mn 257.610	479385.0	482768.2	1.127 mg/L	225.4 ppm
2	Mo 202.030	-65.2	49.2	0.0036 mg/L	0.7164 ppm
2	Na 330.237	2958.4	1724.4	4.649 mg/L	929.8 ppm
2	Ni 231.604	1452.4	1505.5	0.0374 mg/L	7.486 ppm
2	Pb 220.353	908.9	574.4	0.0397 mg/L	7.943 ppm
2	Sb 206.833	42.5	11.7	-0.0005 mg/L	-0.0920 ppm
2	Se 196.026	-19.2	-23.7	0.0076 mg/L	1.511 ppm
2	Tl 190.800	-19.6	14.2	0.0045 mg/L	0.8904 ppm
2	V 292.402	17417.2	17134.6	0.1763 mg/L	35.26 ppm
2	Zn 213.856	12622.9	12666.6	0.2375 mg/L	47.51 ppm
3	Ag 328.068	-269.3	151.2	0.0020 mg/L	0.3954 ppm
3	Al 308.215	318104.5	317662.0	33.98 mg/L	6796 ppm
3	As 188.979	36.5	46.9	0.0245 mg/L	4.909 ppm
3	Ba 233.527	18084.5	18517.3	0.1675 mg/L	33.49 ppm
3	Be 313.107	-5810.1	-3509.3	-0.0014 mg/L	-0.2834 ppm
3	Ca 227.547	811.3	843.6	10.25 mg/L	2050 ppm
3	Cd 228.802	109.9	-16.0	-0.0004 mg/L	-0.0773 ppm
3	Co 228.616	1240.7	1169.2	0.0321 mg/L	6.429 ppm
3	Cr 267.716	3090.3	3153.2	0.0687 mg/L	13.74 ppm
3	Cu 324.754	4904.7	4356.2	0.0440 mg/L	8.805 ppm
3	Fe 273.955	1769560.5	1769740.2	83.09 mg/L	16620 ppm
3	K 766.491	639792.4	633705.1	11.39 mg/L	2278 ppm
3	Mg 279.079	211130.0	212145.1	21.71 mg/L	4341 ppm
3	Mn 257.610	485836.4	489219.6	1.142 mg/L	228.5 ppm
3	Mo 202.030	-111.8	2.6	0.0002 mg/L	0.0376 ppm
3	Na 330.237	3220.4	1986.4	5.259 mg/L	1052 ppm
3	Ni 231.604	1510.6	1563.7	0.0389 mg/L	7.775 ppm
3	Pb 220.353	938.0	603.4	0.0417 mg/L	8.346 ppm
3	Sb 206.833	46.0	15.2	0.0009 mg/L	0.1716 ppm
3	Se 196.026	0.2	-4.2	0.0137 mg/L	2.734 ppm
3	Tl 190.800	-4.3	29.5	0.0093 mg/L	1.854 ppm
3	V 292.402	17667.6	17385.1	0.1789 mg/L	35.78 ppm
3	Zn 213.856	12376.7	12420.4	0.2329 mg/L	46.58 ppm

Mean Data ----------

ID: 2864-19 F=200 Seq. No.: 57 Sample No.: 37 A/S Pos: 46

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0

Data: Original Date: 04/28/03 02:09:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	61.6	0.0008	0.00101	mg/L	0.1611	0.20292	ppm	125.94%
Al 308.215	318776.2	34.10	0.656	mg/L	6820	131.3	ppm	1.92%
As 188.979	51.8	0.0264	0.00166	mg/L	5.272	0.3325	ppm	6.31%
Ba 233.527	18729.9	0.1694	0.00266	mg/L	33.88	0.531	ppm	1.57%
Be 313.107	-3370.7	-0.0014	0.00006	mg/L	-0.2722	0.01107	ppm	4.07%
Ca 227.547	853.3	10.37	0.149	mg/L	2073	29.9	ppm	1.44%
Cd 228.802	-41.2	-0.0010	0.00068	mg/L	-0.1990	0.13586	ppm	68.29%
Co 228.616	1141.0	0.0314	0.00067	mg/L	6.274	0.1344	ppm	2.14%
Cr 267.716	3167.3	0.0690	0.00048	mg/L	13.80	0.096	ppm	0.69%
Cu 324.754	4326.4	0.0438	0.00130	mg/L	8.757	0.2603	ppm	2.97%
Fe 273.955	1776460.5	83.41	1.654	mg/L	16680	330.8	ppm	1.98%
K 766.491	627660.8	11.29	0.092	mg/L	2258	18.4	ppm	0.81%
Mg 279.079	213537.0	21.85	0.486	mg/L	4370	97.2	ppm	2.22%
Mn 257.610	491998.0	1.149	0.0254	mg/L	229.8	5.08	ppm	2.21%
Mo 202.030	34.9	0.0025	0.00204	mg/L	0.5083	0.40850	ppm	80.37%
Na 330.237	1835.4	4.908	0.3153	mg/L	981.5	63.05	ppm	6.42%
Ni 231.604	1563.2	0.0389	0.00143	mg/L	7.772	0.2855	ppm	3.67%
Pb 220.353	594.9	0.0411	0.00124	mg/L	8.227	0.2472	ppm	3.00%
Sb 206.833	12.8	-0.0001	0.00085	mg/L	-0.0221	0.16989	ppm	768.25%
Se 196.026	-23.8	0.0078	0.00577	mg/L	1.558	1.1539	ppm	74.07%
Tl 190.800	4.2	0.0013	0.00988	mg/L	0.2660	1.97554	ppm	742.73%
V 292.402	17359.6	0.1787	0.00224	mg/L	35.73	0.449	ppm	1.26%

Zn 213.856	12597.9	0.2363	0.00291 mg/L	47.25	0.581 ppm	1.23%

Replicate Data
ID: 2864-20 F=200 Date: 04/28/03 02:12:01 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-397.4	23.1	0.0003	mg/L	0.0603	ppm
1	Al 308.215	311736.2	311293.6	33.30	mg/L	6660	ppm
1	As 188.979	75.0	85.4	0.0371	mg/L	7.424	ppm
1	Ba 233.527	17965.8	18398.6	0.1664	mg/L	33.28	ppm
1	Be 313.107	-3491.5	-1190.8	-0.0005	mg/L	-0.0962	ppm
1	Ca 227.547	831.1	863.4	10.49	mg/L	2098	ppm
1	Cd 228.802	125.6	-0.3	0.0000	mg/L	-0.0017	ppm
1	Co 228.616	1123.0	1051.6	0.0289	mg/L	5.783	ppm
1	Cr 267.716	2937.5	3000.4	0.0654	mg/L	13.08	ppm
1	Cu 324.754	4404.4	3855.9	0.0387	mg/L	7.737	ppm
1	Fe 273.955	1478004.0	1478183.7	69.40	mg/L	13880	ppm
1	K 766.491	419127.2	413039.9	7.664	mg/L	1533	ppm
1	Mg 279.079	146895.1	147910.2	15.13	mg/L	3027	ppm
1	Mn 257.610	465988.9	469372.1	1.096	mg/L	219.2	ppm
1	Mo 202.030	-108.1	6.3	0.0005	mg/L	0.0912	ppm
1	Na 330.237	2468.5	1234.4	3.508	mg/L	701.6	ppm
1	Ni 231.604	1292.6	1345.7	0.0335	mg/L	6.691	ppm
1	Pb 220.353	836.1	501.5	0.0351	mg/L	7.015	ppm
1	Sb 206.833	24.5	-6.3	-0.0069	mg/L	-1.376	ppm
1	Se 196.026	-40.2	-44.6	-0.0011	mg/L	-0.2119	ppm
1	Tl 190.800	-65.5	-31.7	-0.0100	mg/L	-1.993	ppm
1	V 292.402	15230.5	14947.9	0.1537	mg/L	30.73	ppm
1	Zn 213.856	9898.5	9942.2	0.1864	mg/L	37.29	ppm
2	Ag 328.068	-317.5	103.0	0.0013	mg/L	0.2694	ppm
2	Al 308.215	301692.1	301249.5	32.22	mg/L	6445	ppm
2	As 188.979	63.4	73.8	0.0328	mg/L	6.553	ppm
2	Ba 233.527	16653.1	17086.0	0.1545	mg/L	30.90	ppm
2	Be 313.107	-3439.8	-1139.0	-0.0005	mg/L	-0.0920	ppm
2	Ca 227.547	719.1	751.4	9.129	mg/L	1826	ppm
2	Cd 228.802	105.5	-20.4	-0.0005	mg/L	-0.0982	ppm
2	Co 228.616	1064.6	993.1	0.0273	mg/L	5.461	ppm
2	Cr 267.716	2719.5	2782.4	0.0606	mg/L	12.13	ppm
2	Cu 324.754	4360.5	3812.0	0.0382	mg/L	7.633	ppm
2	Fe 273.955	1437523.7	1437703.4	67.50	mg/L	13500	ppm
2	K 766.491	416853.9	410766.7	7.624	mg/L	1525	ppm
2	Mg 279.079	141913.3	142928.5	14.62	mg/L	2925	ppm
2	Mn 257.610	452749.6	456132.8	1.065	mg/L	213.0	ppm
2	Mo 202.030	-97.0	17.4	0.0013	mg/L	0.2532	ppm
2	Na 330.237	2318.1	1084.1	3.157	mg/L	631.4	ppm
2	Ni 231.604	1216.8	1269.9	0.0316	mg/L	6.314	ppm
2	Pb 220.353	728.1	393.6	0.0276	mg/L	5.515	ppm
2	Sb 206.833	14.0	-16.8	-0.0110	mg/L	-2.193	ppm
2	Se 196.026	-7.8	-12.3	0.0084	mg/L	1.684	ppm
2	Tl 190.800	-63.9	-30.1	-0.0095	mg/L	-1.894	ppm
2	V 292.402	14990.8	14708.2	0.1511	mg/L	30.23	ppm
2	Zn 213.856	9296.5	9340.2	0.1752	mg/L	35.03	ppm
3	Ag 328.068	-422.2	-1.7	0.0000	mg/L	-0.0044	ppm
3	Al 308.215	299073.0	298630.4	31.94	mg/L	6389	ppm
3	As 188.979	23.1	33.4	0.0182	mg/L	3.634	ppm
3	Ba 233.527	16708.0	17140.9	0.1550	mg/L	31.00	ppm
3	Be 313.107	-3498.3	-1197.6	-0.0005	mg/L	-0.0967	ppm
3	Ca 227.547	730.9	763.2	9.273	mg/L	1855	ppm
3	Cd 228.802	164.2	38.3	0.0009	mg/L	0.1846	ppm
3	Co 228.616	1109.1	1037.6	0.0285	mg/L	5.706	ppm
3	Cr 267.716	2710.7	2773.6	0.0604	mg/L	12.09	ppm
3	Cu 324.754	4081.9	3533.4	0.0357	mg/L	7.131	ppm
3	Fe 273.955	1418223.2	1418402.8	66.60	mg/L	13320	ppm
3	K 766.491	414040.9	407953.7	7.575	mg/L	1515	ppm
3	Mg 279.079	139968.7	140983.8	14.43	mg/L	2885	ppm
3	Mn 257.610	446452.5	449835.7	1.050	mg/L	210.1	ppm
3	Mo 202.030	-126.7	-12.3	-0.0009	mg/L	-0.1793	ppm
3	Na 330.237	2185.4	951.4	2.847	mg/L	569.5	ppm
3	Ni 231.604	1251.8	1304.9	0.0324	mg/L	6.488	ppm

3 Pb 220.353	751.3	416.8	0.0292 mg/L	5.838 ppm	
3 Sb 206.833	60.9	30.1	0.0079 mg/L	1.573 ppm	
3 Se 196.026	-38.5	-42.9	-0.0010 mg/L	-0.2079 ppm	
3 Tl 190.800	-69.0	-35.2	-0.0111 mg/L	-2.212 ppm	
3 V 292.402	14686.2	14403.6	0.1480 mg/L	29.61 ppm	
3 Zn 213.856	9293.8	9337.5	0.1751 mg/L	35.02 ppm	

Mean Data ----------

ID: 2864-20 F=200 Seq. No.: 58 Sample No.: 38 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:12:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	41.5	0.0005	0.00072	mg/L	0.1084	0.14306	ppm	131.94%
Al 308.215	303724.5	32.49	0.715	mg/L	6498	143.0	ppm	2.20%
As 188.979	64.2	0.0294	0.00992	mg/L	5.870	1.9848	ppm	33.81%
Ba 233.527	17541.8	0.1586	0.00671	mg/L	31.73	1.343	ppm	4.23%
Be 313.107	-1175.8	-0.0005	0.00001	mg/L	-0.0950	0.00259	ppm	2.72%
Ca 227.547	792.7	9.631	0.7476	mg/L	1926	149.5	ppm	7.76%
Cd 228.802	5.9	0.0001	0.00072	mg/L	0.0282	0.14376	ppm	509.18%
Co 228.616	1027.4	0.0282	0.00084	mg/L	5.650	0.1679	ppm	2.97%
Cr 267.716	2852.1	0.0622	0.00280	mg/L	12.43	0.560	ppm	4.51%
Cu 324.754	3733.8	0.0375	0.00162	mg/L	7.500	0.3240	ppm	4.32%
Fe 273.955	1444763.3	67.83	1.432	mg/L	13570	286.5	ppm	2.11%
K 766.491	410586.8	7.621	0.0442	mg/L	1524	8.8	ppm	0.58%
Mg 279.079	143940.8	14.73	0.366	mg/L	2946	73.1	ppm	2.48%
Mn 257.610	458446.9	1.070	0.0233	mg/L	214.1	4.66	ppm	2.18%
Mo 202.030	3.8	0.0003	0.00109	mg/L	0.0550	0.21852	ppm	397.03%
Na 330.237	1090.0	3.171	0.3305	mg/L	634.1	66.09	ppm	10.42%
Ni 231.604	1306.8	0.0325	0.00094	mg/L	6.498	0.1886	ppm	2.90%
Pb 220.353	437.3	0.0306	0.00395	mg/L	6.123	0.7897	ppm	12.90%
Sb 206.833	2.3	-0.0033	0.00991	mg/L	-0.6653	1.98114	ppm	297.80%
Se 196.026	-33.3	0.0021	0.00547	mg/L	0.4214	1.09338	ppm	259.49%
Tl 190.800	-32.3	-0.0102	0.00081	mg/L	-2.033	0.1629	ppm	8.01%
V 292.402	14686.6	0.1509	0.00281	mg/L	30.19	0.563	ppm	1.86%
Zn 213.856	9540.0	0.1789	0.00653	mg/L	35.78	1.307	ppm	3.65%

Replicate Data ----------

ID: 2864-25 F=200 Date: 04/28/03 02:14:35 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	-371.8	48.7	0.0006	mg/L	0.1275	ppm
1 Al 308.215	405287.4	404844.9	43.31	mg/L	8661	ppm
1 As 188.979	76.5	86.9	0.0398	mg/L	7.953	ppm
1 Ba 233.527	27537.3	27970.2	0.2529	mg/L	50.59	ppm
1 Be 313.107	-3051.5	-750.8	-0.0003	mg/L	-0.0606	ppm
1 Ca 227.547	1013.2	1045.5	12.70	mg/L	2540	ppm
1 Cd 228.802	137.1	11.2	0.0003	mg/L	0.0540	ppm
1 Co 228.616	1398.9	1327.5	0.0365	mg/L	7.300	ppm
1 Cr 267.716	3928.8	3991.7	0.0870	mg/L	17.40	ppm
1 Cu 324.754	6911.8	6363.3	0.0623	mg/L	12.46	ppm
1 Fe 273.955	1964859.7	1965039.4	92.26	mg/L	18450	ppm
1 K 766.491	548696.3	542609.0	9.875	mg/L	1975	ppm
1 Mg 279.079	203003.1	204018.2	20.87	mg/L	4175	ppm
1 Mn 257.610	422457.9	425841.1	0.9943	mg/L	198.9	ppm
1 Mo 202.030	-126.0	-11.6	-0.0008	mg/L	-0.1685	ppm
1 Na 330.237	2232.5	998.4	2.957	mg/L	591.4	ppm
1 Ni 231.604	2340.1	2393.2	0.0595	mg/L	11.90	ppm
1 Pb 220.353	1156.6	822.0	0.0573	mg/L	11.46	ppm
1 Sb 206.833	52.8	22.0	0.0030	mg/L	0.6034	ppm
1 Se 196.026	-46.0	-50.5	0.0013	mg/L	0.2554	ppm
1 Tl 190.800	-65.5	-31.7	-0.0100	mg/L	-1.994	ppm
1 V 292.402	19657.6	19375.0	0.1993	mg/L	39.87	ppm
1 Zn 213.856	12402.4	12446.1	0.2284	mg/L	45.68	ppm
2 Ag 328.068	-398.7	21.8	0.0003	mg/L	0.0570	ppm
2 Al 308.215	406369.9	405927.3	43.42	mg/L	8684	ppm
2 As 188.979	58.9	69.2	0.0334	mg/L	6.682	ppm
2 Ba 233.527	27052.7	27485.6	0.2486	mg/L	49.71	ppm
2 Be 313.107	-3318.4	-1017.7	-0.0004	mg/L	-0.0822	ppm

2 Ca 227.547	1075.6	1107.9	13.46 mg/L	2692 ppm	
2 Cd 228.802	130.6	4.7	0.0001 mg/L	0.0228 ppm	
2 Co 228.616	1408.0	1336.5	0.0367 mg/L	7.349 ppm	
2 Cr 267.716	3827.6	3890.5	0.0848 mg/L	16.96 ppm	
2 Cu 324.754	6954.8	6406.3	0.0627 mg/L	12.53 ppm	
2 Fe 273.955	1958127.9	1958307.5	91.95 mg/L	18390 ppm	
2 K 766.491	571211.2	565123.9	10.25 mg/L	2050 ppm	
2 Mg 279.079	202274.1	203289.2	20.80 mg/L	4160 ppm	
2 Mn 257.610	420759.4	424142.6	0.9903 mg/L	198.1 ppm	
2 Mo 202.030	-110.0	4.4	0.0003 mg/L	0.0643 ppm	
2 Na 330.237	2465.2	1231.2	3.500 mg/L	700.0 ppm	
2 Ni 231.604	2238.8	2291.9	0.0570 mg/L	11.40 ppm	
2 Pb 220.353	1031.4	696.8	0.0487 mg/L	9.732 ppm	
2 Sb 206.833	63.7	32.9	0.0074 mg/L	1.476 ppm	
2 Se 196.026	-59.3	-63.8	-0.0028 mg/L	-0.5641 ppm	
2 Tl 190.800	-78.3	-44.5	-0.0140 mg/L	-2.799 ppm	
2 V 292.402	19819.7	19537.1	0.2009 mg/L	40.19 ppm	
2 Zn 213.856	12303.2	12346.9	0.2315 mg/L	46.31 ppm	
3 Ag 328.068	-560.5	-140.0	-0.0018 mg/L	-0.3661 ppm	
3 Al 308.215	376743.8	376301.3	40.25 mg/L	8051 ppm	
3 As 188.979	62.6	72.9	0.0342 mg/L	6.838 ppm	
3 Ba 233.527	26911.5	27344.4	0.2473 mg/L	49.46 ppm	
3 Be 313.107	-3011.9	-711.2	-0.0003 mg/L	-0.0574 ppm	
3 Ca 227.547	1093.3	1125.6	13.68 mg/L	2735 ppm	
3 Cd 228.802	126.1	0.2	0.0000 mg/L	0.0012 ppm	
3 Co 228.616	1396.7	1325.2	0.0364 mg/L	7.287 ppm	
3 Cr 267.716	3802.2	3865.1	0.0842 mg/L	16.85 ppm	
3 Cu 324.754	6438.2	5889.7	0.0577 mg/L	11.54 ppm	
3 Fe 273.955	1836646.2	1836825.9	86.24 mg/L	17250 ppm	
3 K 766.491	513113.6	507026.3	9.275 mg/L	1855 ppm	
3 Mg 279.079	189001.8	190016.9	19.44 mg/L	3888 ppm	
3 Mn 257.610	393672.7	397055.9	0.9271 mg/L	185.4 ppm	
3 Mo 202.030	-128.1	-13.6	-0.0010 mg/L	-0.1986 ppm	
3 Na 330.237	2268.1	1034.0	3.040 mg/L	608.1 ppm	
3 Ni 231.604	2093.1	2146.2	0.0534 mg/L	10.67 ppm	
3 Pb 220.353	1011.9	677.3	0.0472 mg/L	9.449 ppm	
3 Sb 206.833	15.2	-15.6	-0.0117 mg/L	-2.331 ppm	
3 Se 196.026	-23.6	-28.0	0.0070 mg/L	1.402 ppm	
3 Tl 190.800	9.5	43.3	0.0136 mg/L	2.723 ppm	
3 V 292.402	18544.6	18262.0	0.1878 mg/L	37.57 ppm	
3 Zn 213.856	11992.3	12036.0	0.2257 mg/L	45.14 ppm	

Mean Data ----------

ID: 2864-25 F=200 Seq. No.: 59 Sample No.: 39 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:14:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-23.1	-0.0003	0.00133	mg/L	-0.0605	0.26699	ppm	441.04%
Al 308.215	395691.1	42.33	1.797	mg/L	8465	359.4	ppm	4.25%
As 188.979	76.3	0.0358	0.00347	mg/L	7.158	0.6934	ppm	9.69%
Ba 233.527	27600.1	0.2496	0.00297	mg/L	49.92	0.594	ppm	1.19%
Be 313.107	-826.6	-0.0003	0.00007	mg/L	-0.0667	0.01346	ppm	20.17%
Ca 227.547	1093.0	13.28	0.511	mg/L	2656	102.3	ppm	3.85%
Cd 228.802	5.4	0.0001	0.00013	mg/L	0.0260	0.02657	ppm	102.11%
Co 228.616	1329.7	0.0366	0.00016	mg/L	7.312	0.0328	ppm	0.45%
Cr 267.716	3915.7	0.0853	0.00146	mg/L	17.07	0.292	ppm	1.71%
Cu 324.754	6219.8	0.0609	0.00275	mg/L	12.18	0.550	ppm	4.52%
Fe 273.955	1920057.6	90.15	3.388	mg/L	18030	677.6	ppm	3.76%
K 766.491	538253.1	9.801	0.4929	mg/L	1960	98.6	ppm	5.03%
Mg 279.079	199108.1	20.37	0.806	mg/L	4074	161.3	ppm	3.96%
Mn 257.610	415679.9	0.9706	0.03771	mg/L	194.1	7.54	ppm	3.89%
Mo 202.030	-6.9	-0.0005	0.00072	mg/L	-0.1009	0.14388	ppm	142.55%
Na 330.237	1087.9	3.166	0.2925	mg/L	633.2	58.50	ppm	9.24%
Ni 231.604	2277.1	0.0566	0.00309	mg/L	11.32	0.617	ppm	5.45%
Pb 220.353	732.1	0.0511	0.00545	mg/L	10.21	1.090	ppm	10.67%
Sb 206.833	13.1	-0.0004	0.00997	mg/L	-0.0838	1.99465	ppm	>999.9%
Se 196.026	-47.5	0.0018	0.00494	mg/L	0.3645	0.98769	ppm	270.95%
Tl 190.800	-11.0	-0.0035	0.01492	mg/L	-0.6900	2.98319	ppm	432.32%
V 292.402	19058.0	0.1960	0.00715	mg/L	39.21	1.429	ppm	3.64%
Zn 213.856	12276.3	0.2286	0.00292	mg/L	45.71	0.584	ppm	1.28%

Replicate Data

ID: 2864-26 F=200 Date: 04/28/03 02:17:04 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-299.5	121.0	0.0016	mg/L	0.3166	ppm
1	Al 308.215	320304.6	319862.0	34.22	mg/L	6843	ppm
1	As 188.979	34.4	44.8	0.0222	mg/L	4.437	ppm
1	Ba 233.527	21833.9	22266.8	0.2014	mg/L	40.27	ppm
1	Be 313.107	-4077.0	-1776.3	-0.0007	mg/L	-0.1434	ppm
1	Ca 227.547	3156.2	3188.5	38.74	mg/L	7748	ppm
1	Cd 228.802	120.2	-5.7	-0.0001	mg/L	-0.0273	ppm
1	Co 228.616	999.5	928.1	0.0255	mg/L	5.103	ppm
1	Cr 267.716	2967.7	3030.7	0.0660	mg/L	13.21	ppm
1	Cu 324.754	4170.8	3622.3	0.0364	mg/L	7.276	ppm
1	Fe 273.955	1400244.1	1400423.7	65.75	mg/L	13150	ppm
1	K 766.491	462712.8	456625.5	8.415	mg/L	1683	ppm
1	Mg 279.079	154481.9	155497.0	15.91	mg/L	3182	ppm
1	Mn 257.610	515918.7	519301.9	1.213	mg/L	242.5	ppm
1	Mo 202.030	-133.8	-19.4	-0.0014	mg/L	-0.2826	ppm
1	Na 330.237	2064.4	830.4	2.565	mg/L	513.0	ppm
1	Ni 231.604	1243.8	1296.9	0.0322	mg/L	6.449	ppm
1	Pb 220.353	715.9	381.4	0.0270	mg/L	5.390	ppm
1	Sb 206.833	67.8	37.1	0.0107	mg/L	2.138	ppm
1	Se 196.026	-54.2	-58.6	-0.0060	mg/L	-1.193	ppm
1	Tl 190.800	-13.6	20.2	0.0064	mg/L	1.272	ppm
1	V 292.402	15763.5	15480.9	0.1586	mg/L	31.73	ppm
1	Zn 213.856	8803.7	8847.4	0.1659	mg/L	33.18	ppm
2	Ag 328.068	-384.5	36.0	0.0005	mg/L	0.0940	ppm
2	Al 308.215	321579.7	321137.2	34.35	mg/L	6870	ppm
2	As 188.979	34.9	45.3	0.0224	mg/L	4.478	ppm
2	Ba 233.527	21790.9	22223.8	0.2010	mg/L	40.20	ppm
2	Be 313.107	-4175.9	-1875.2	-0.0008	mg/L	-0.1514	ppm
2	Ca 227.547	3293.4	3325.7	40.41	mg/L	8081	ppm
2	Cd 228.802	111.9	-14.0	-0.0003	mg/L	-0.0677	ppm
2	Co 228.616	1126.5	1055.0	0.0290	mg/L	5.802	ppm
2	Cr 267.716	2947.2	3010.1	0.0656	mg/L	13.12	ppm
2	Cu 324.754	4109.9	3561.4	0.0359	mg/L	7.172	ppm
2	Fe 273.955	1405190.1	1405369.7	65.98	mg/L	13200	ppm
2	K 766.491	489202.8	483115.5	8.868	mg/L	1774	ppm
2	Mg 279.079	154707.9	155723.0	15.93	mg/L	3187	ppm
2	Mn 257.610	515538.3	518921.5	1.212	mg/L	242.3	ppm
2	Mo 202.030	-118.6	-4.2	-0.0003	mg/L	-0.0611	ppm
2	Na 330.237	1884.8	650.7	2.145	mg/L	429.0	ppm
2	Ni 231.604	1164.2	1217.3	0.0303	mg/L	6.053	ppm
2	Pb 220.353	789.1	454.5	0.0320	mg/L	6.404	ppm
2	Sb 206.833	-8.1	-38.8	-0.0197	mg/L	-3.939	ppm
2	Se 196.026	17.8	13.3	0.0159	mg/L	3.184	ppm
2	Tl 190.800	-25.0	8.8	0.0028	mg/L	0.5523	ppm
2	V 292.402	15875.4	15592.8	0.1598	mg/L	31.95	ppm
2	Zn 213.856	8939.5	8983.2	0.1685	mg/L	33.69	ppm
3	Ag 328.068	-324.0	96.5	0.0013	mg/L	0.2525	ppm
3	Al 308.215	331026.6	330584.0	35.36	mg/L	7072	ppm
3	As 188.979	29.3	39.6	0.0204	mg/L	4.090	ppm
3	Ba 233.527	20731.7	21164.6	0.1914	mg/L	38.28	ppm
3	Be 313.107	-4092.3	-1791.6	-0.0007	mg/L	-0.1447	ppm
3	Ca 227.547	3126.6	3158.9	38.38	mg/L	7676	ppm
3	Cd 228.802	110.1	-15.8	-0.0004	mg/L	-0.0764	ppm
3	Co 228.616	1032.0	960.5	0.0264	mg/L	5.282	ppm
3	Cr 267.716	2783.3	2846.2	0.0620	mg/L	12.41	ppm
3	Cu 324.754	4311.5	3763.0	0.0377	mg/L	7.542	ppm
3	Fe 273.955	1429207.6	1429387.3	67.11	mg/L	13420	ppm
3	K 766.491	492256.8	486169.6	8.920	mg/L	1784	ppm
3	Mg 279.079	157041.3	158056.4	16.17	mg/L	3234	ppm
3	Mn 257.610	525795.8	529179.0	1.236	mg/L	247.1	ppm
3	Mo 202.030	-129.1	-14.7	-0.0011	mg/L	-0.2144	ppm
3	Na 330.237	1867.0	632.9	2.104	mg/L	420.7	ppm
3	Ni 231.604	1184.1	1237.2	0.0308	mg/L	6.152	ppm
3	Pb 220.353	831.0	496.4	0.0350	mg/L	6.993	ppm

3 Sb 206.833	55.2	24.5	0.0056 mg/L	1.116 ppm
3 Se 196.026	11.1	6.7	0.0141 mg/L	2.821 ppm
3 Tl 190.800	-34.2	-0.4	-0.0001 mg/L	-0.0227 ppm
3 V 292.402	16346.7	16064.1	0.1645 mg/L	32.91 ppm
3 Zn 213.856	8562.5	8606.2	0.1614 mg/L	32.28 ppm

Mean Data ----------

ID: 2864-26 F=200 Seq. No.: 60 Sample No.: 40 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:17:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	84.5	0.0011	0.00057	mg/L	0.2211	0.11456	ppm	51.82%
Al 308.215	323861.1	34.64	0.627	mg/L	6929	125.3	ppm	1.81%
As 188.979	43.2	0.0217	0.00107	mg/L	4.335	0.2135	ppm	4.92%
Ba 233.527	21885.0	0.1979	0.00565	mg/L	39.58	1.129	ppm	2.85%
Be 313.107	-1814.3	-0.0007	0.00002	mg/L	-0.1465	0.00430	ppm	2.94%
Ca 227.547	3224.4	39.17	1.081	mg/L	7835	216.2	ppm	2.76%
Cd 228.802	-11.8	-0.0003	0.00013	mg/L	-0.0571	0.02619	ppm	45.84%
Co 228.616	981.2	0.0270	0.00181	mg/L	5.396	0.3627	ppm	6.72%
Cr 267.716	2962.3	0.0646	0.00220	mg/L	12.91	0.441	ppm	3.41%
Cu 324.754	3648.9	0.0366	0.00095	mg/L	7.330	0.1909	ppm	2.60%
Fe 273.955	1411726.9	66.28	0.727	mg/L	13260	145.5	ppm	1.10%
K 766.491	475303.5	8.735	0.2777	mg/L	1747	55.5	ppm	3.18%
Mg 279.079	156425.5	16.01	0.145	mg/L	3201	29.0	ppm	0.91%
Mn 257.610	522467.5	1.220	0.0136	mg/L	244.0	2.72	ppm	1.11%
Mo 202.030	-12.8	-0.0009	0.00057	mg/L	-0.1860	0.11344	ppm	60.97%
Na 330.237	704.7	2.271	0.2552	mg/L	454.2	51.04	ppm	11.24%
Ni 231.604	1250.5	0.0311	0.00103	mg/L	6.218	0.2059	ppm	3.31%
Pb 220.353	444.1	0.0313	0.00405	mg/L	6.263	0.8109	ppm	12.95%
Sb 206.833	7.6	-0.0011	0.01627	mg/L	-0.2283	3.25367	ppm	>999.9%
Se 196.026	-12.9	0.0080	0.01215	mg/L	1.604	2.4293	ppm	151.44%
Tl 190.800	9.6	0.0030	0.00324	mg/L	0.6007	0.64889	ppm	108.03%
V 292.402	15712.6	0.1610	0.00312	mg/L	32.20	0.625	ppm	1.94%
Zn 213.856	8812.3	0.1653	0.00358	mg/L	33.05	0.716	ppm	2.17%

Replicate Data ----------

ID: 2864-28 F=200 Date: 04/28/03 02:19:34 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-252.5	168.0	0.0022	mg/L	0.4395	ppm
1	Al 308.215	311366.4	310923.9	33.26	mg/L	6652	ppm
1	As 188.979	94.5	104.8	0.0452	mg/L	9.047	ppm
1	Ba 233.527	19424.5	19857.4	0.1796	mg/L	35.92	ppm
1	Be 313.107	-3918.4	-1617.6	-0.0007	mg/L	-0.1306	ppm
1	Ca 227.547	2106.4	2138.7	25.98	mg/L	5197	ppm
1	Cd 228.802	112.4	-13.5	-0.0003	mg/L	-0.0652	ppm
1	Co 228.616	1211.7	1140.2	0.0314	mg/L	6.270	ppm
1	Cr 267.716	4658.2	4721.1	0.1029	mg/L	20.58	ppm
1	Cu 324.754	6709.3	6160.8	0.0598	mg/L	11.96	ppm
1	Fe 273.955	1737157.9	1737337.6	81.57	mg/L	16310	ppm
1	K 766.491	582168.9	576081.7	10.43	mg/L	2087	ppm
1	Mg 279.079	186994.1	188009.2	19.24	mg/L	3847	ppm
1	Mn 257.610	375852.6	379235.8	0.8855	mg/L	177.1	ppm
1	Mo 202.030	-64.7	49.7	0.0036	mg/L	0.7239	ppm
1	Na 330.237	3220.7	1986.7	5.260	mg/L	1052	ppm
1	Ni 231.604	2371.7	2424.8	0.0603	mg/L	12.06	ppm
1	Pb 220.353	1807.9	1473.3	0.1020	mg/L	20.40	ppm
1	Sb 206.833	61.1	30.4	0.0070	mg/L	1.403	ppm
1	Se 196.026	4.4	-0.0	0.0147	mg/L	2.934	ppm
1	Tl 190.800	-44.9	-11.1	-0.0035	mg/L	-0.6996	ppm
1	V 292.402	15452.1	15169.6	0.1568	mg/L	31.37	ppm
1	Zn 213.856	11095.1	11138.8	0.2089	mg/L	41.78	ppm
2	Ag 328.068	-426.3	-5.8	-0.0001	mg/L	-0.0152	ppm
2	Al 308.215	311050.8	310608.3	33.23	mg/L	6645	ppm
2	As 188.979	55.3	65.7	0.0311	mg/L	6.226	ppm
2	Ba 233.527	19025.5	19458.3	0.1760	mg/L	35.19	ppm
2	Be 313.107	-3986.2	-1685.5	-0.0007	mg/L	-0.1361	ppm
2	Ca 227.547	2248.3	2280.6	27.71	mg/L	5542	ppm

2 Cd 228.802	57.5	-68.4	-0.0017 mg/L	-0.3300 ppm	
2 Co 228.616	1114.4	1042.9	0.0287 mg/L	5.735 ppm	
2 Cr 267.716	4475.1	4538.0	0.0989 mg/L	19.78 ppm	
2 Cu 324.754	6814.5	6266.0	0.0607 mg/L	12.14 ppm	
2 Fe 273.955	1731467.9	1731647.6	81.30 mg/L	16260 ppm	
2 K 766.491	597617.0	591529.8	10.69 mg/L	2138 ppm	
2 Mg 279.079	186590.7	187605.9	19.20 mg/L	3839 ppm	
2 Mn 257.610	374176.2	377559.4	0.8816 mg/L	176.3 ppm	
2 Mo 202.030	-103.4	11.0	0.0008 mg/L	0.1605 ppm	
2 Na 330.237	3138.1	1904.1	5.067 mg/L	1013 ppm	
2 Ni 231.604	2352.5	2405.6	0.0598 mg/L	11.96 ppm	
2 Pb 220.353	1734.2	1399.6	0.0969 mg/L	19.38 ppm	
2 Sb 206.833	133.1	102.4	0.0358 mg/L	7.168 ppm	
2 Se 196.026	-10.5	-15.0	0.0101 mg/L	2.019 ppm	
2 Tl 190.800	-15.3	18.5	0.0058 mg/L	1.165 ppm	
2 V 292.402	15583.3	15300.7	0.1581 mg/L	31.62 ppm	
2 Zn 213.856	11009.5	11053.2	0.2073 mg/L	41.46 ppm	
3 Ag 328.068	-366.2	54.3	0.0007 mg/L	0.1420 ppm	
3 Al 308.215	320117.2	319674.7	34.20 mg/L	6839 ppm	
3 As 188.979	29.4	39.8	0.0220 mg/L	4.393 ppm	
3 Ba 233.527	18737.0	19169.9	0.1734 mg/L	34.67 ppm	
3 Be 313.107	-3973.7	-1673.0	-0.0007 mg/L	-0.1351 ppm	
3 Ca 227.547	1973.3	2005.6	24.37 mg/L	4873 ppm	
3 Cd 228.802	31.6	-94.3	-0.0023 mg/L	-0.4551 ppm	
3 Co 228.616	1135.2	1063.8	0.0292 mg/L	5.850 ppm	
3 Cr 267.716	4476.4	4539.3	0.0989 mg/L	19.78 ppm	
3 Cu 324.754	6803.0	6254.5	0.0607 mg/L	12.14 ppm	
3 Fe 273.955	1762356.2	1762535.9	82.75 mg/L	16550 ppm	
3 K 766.491	630177.9	624090.6	11.23 mg/L	2246 ppm	
3 Mg 279.079	189333.2	190348.3	19.48 mg/L	3895 ppm	
3 Mn 257.610	380285.8	383669.0	0.8958 mg/L	179.2 ppm	
3 Mo 202.030	-52.8	61.7	0.0045 mg/L	0.8974 ppm	
3 Na 330.237	3087.9	1853.9	4.951 mg/L	990.1 ppm	
3 Ni 231.604	2205.1	2258.2	0.0561 mg/L	11.23 ppm	
3 Pb 220.353	1735.2	1400.7	0.0970 mg/L	19.40 ppm	
3 Sb 206.833	-22.0	-52.8	-0.0263 mg/L	-5.264 ppm	
3 Se 196.026	-33.6	-38.1	0.0033 mg/L	0.6675 ppm	
3 Tl 190.800	-28.7	5.1	0.0016 mg/L	0.3187 ppm	
3 V 292.402	16023.8	15741.2	0.1626 mg/L	32.52 ppm	
3 Zn 213.856	10643.3	10687.0	0.2004 mg/L	40.08 ppm	

Mean Data

ID: 2864-28 F=200 Seq. No.: 61 Sample No.: 41 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:19:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72.2	0.0009	0.00115	mg/L	0.1888	0.23092	ppm	122.33%
Al 308.215	313735.6	33.56	0.550	mg/L	6712	110.1	ppm	1.64%
As 188.979	70.1	0.0328	0.01172	mg/L	6.556	2.3444	ppm	35.76%
Ba 233.527	19495.2	0.1763	0.00312	mg/L	35.26	0.624	ppm	1.77%
Be 313.107	-1658.7	-0.0007	0.00001	mg/L	-0.1340	0.00292	ppm	2.18%
Ca 227.547	2141.7	26.02	1.671	mg/L	5204	334.2	ppm	6.42%
Cd 228.802	-58.7	-0.0014	0.00100	mg/L	-0.2834	0.19909	ppm	70.25%
Co 228.616	1082.3	0.0298	0.00141	mg/L	5.952	0.2818	ppm	4.73%
Cr 267.716	4599.5	0.1002	0.00230	mg/L	20.05	0.459	ppm	2.29%
Cu 324.754	6227.1	0.0604	0.00052	mg/L	12.08	0.105	ppm	0.87%
Fe 273.955	1743840.3	81.88	0.772	mg/L	16380	154.4	ppm	0.94%
K 766.491	597234.0	10.79	0.406	mg/L	2157	81.2	ppm	3.76%
Mg 279.079	188654.4	19.30	0.152	mg/L	3861	30.3	ppm	0.78%
Mn 257.610	380154.7	0.8876	0.00737	mg/L	177.5	1.47	ppm	0.83%
Mo 202.030	40.8	0.0030	0.00193	mg/L	0.5939	0.38526	ppm	64.86%
Na 330.237	1914.9	5.093	0.1560	mg/L	1019	31.2	ppm	3.06%
Ni 231.604	2362.8	0.0587	0.00227	mg/L	11.75	0.453	ppm	3.86%
Pb 220.353	1424.5	0.0986	0.00292	mg/L	19.73	0.583	ppm	2.96%
Sb 206.833	26.6	0.0055	0.03111	mg/L	1.102	6.2214	ppm	564.47%
Se 196.026	-17.7	0.0094	0.00570	mg/L	1.874	1.1404	ppm	60.86%
Tl 190.800	4.2	0.0013	0.00467	mg/L	0.2615	0.93379	ppm	357.11%
V 292.402	15403.8	0.1592	0.00302	mg/L	31.83	0.605	ppm	1.90%
Zn 213.856	10959.7	0.2055	0.00450	mg/L	41.11	0.900	ppm	2.19%

Replicate Data
ID: CCV 1447B Date: 04/28/03 02:22:09 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	72178.6	72599.1	0.9495	mg/L		
1	Al 308.215	45679.9	45237.3	4.839	mg/L		
1	As 188.979	1253.9	1264.2	0.4567	mg/L		
1	Ba 233.527	528290.6	528723.5	4.781	mg/L		
1	Be 313.107	1187242.2	1189542.9	0.4803	mg/L		
1	Ca 227.547	3936.6	3969.0	48.22	mg/L		
1	Cd 228.802	39167.8	39041.9	0.9417	mg/L		
1	Co 228.616	70452.6	70381.2	1.935	mg/L		
1	Cr 267.716	21357.4	21420.3	0.4668	mg/L		
1	Cu 324.754	217232.1	216683.6	1.905	mg/L		
1	Fe 273.955	102413.8	102593.5	4.807	mg/L		
1	K 766.491	857308.0	851220.8	14.88	mg/L		
1	Mg 279.079	233809.3	234824.4	24.03	mg/L		
1	Mn 257.610	819724.1	823107.3	1.922	mg/L		
1	Mo 202.030	25634.5	25748.9	1.874	mg/L		
1	Na 330.237	46862.1	45628.0	99.66	mg/L		
1	Ni 231.604	77950.2	78003.3	1.939	mg/L		
1	Pb 220.353	7281.7	6947.2	0.4814	mg/L		
1	Sb 206.833	4881.2	4850.5	1.943	mg/L		
1	Se 196.026	1613.2	1608.8	0.4884	mg/L		
1	Tl 190.800	1463.1	1496.9	0.4735	mg/L		
1	V 292.402	193698.6	193416.0	1.916	mg/L		
1	Zn 213.856	104640.1	104683.8	1.963	mg/L		
2	Ag 328.068	71592.2	72012.7	0.9418	mg/L		
2	Al 308.215	45476.5	45034.0	4.817	mg/L		
2	As 188.979	1334.0	1344.3	0.4855	mg/L		
2	Ba 233.527	522901.5	523334.4	4.733	mg/L		
2	Be 313.107	1181424.9	1183725.6	0.4780	mg/L		
2	Ca 227.547	4130.6	4163.0	50.58	mg/L		
2	Cd 228.802	40154.4	40028.5	0.9655	mg/L		
2	Co 228.616	69778.3	69706.8	1.917	mg/L		
2	Cr 267.716	21767.8	21830.7	0.4757	mg/L		
2	Cu 324.754	215746.1	215197.6	1.892	mg/L		
2	Fe 273.955	101231.6	101411.3	4.752	mg/L		
2	K 766.491	856062.7	849975.4	14.86	mg/L		
2	Mg 279.079	231898.5	232913.6	23.83	mg/L		
2	Mn 257.610	812106.9	815490.1	1.904	mg/L		
2	Mo 202.030	26127.7	26242.1	1.910	mg/L		
2	Na 330.237	46661.6	45427.6	99.26	mg/L		
2	Ni 231.604	77860.0	77913.1	1.937	mg/L		
2	Pb 220.353	7482.3	7147.7	0.4953	mg/L		
2	Sb 206.833	4936.5	4905.7	1.965	mg/L		
2	Se 196.026	1634.1	1629.6	0.4947	mg/L		
2	Tl 190.800	1502.3	1536.1	0.4858	mg/L		
2	V 292.402	192515.6	192233.0	1.905	mg/L		
2	Zn 213.856	104530.9	104574.6	1.961	mg/L		
3	Ag 328.068	71717.0	72137.5	0.9435	mg/L		
3	Al 308.215	45296.9	44854.3	4.798	mg/L		
3	As 188.979	1302.8	1313.1	0.4743	mg/L		
3	Ba 233.527	519095.1	519527.9	4.698	mg/L		
3	Be 313.107	1177596.2	1179896.9	0.4764	mg/L		
3	Ca 227.547	3997.9	4030.3	48.97	mg/L		
3	Cd 228.802	39718.3	39592.4	0.9550	mg/L		
3	Co 228.616	69975.6	69904.1	1.922	mg/L		
3	Cr 267.716	21563.2	21626.1	0.4713	mg/L		
3	Cu 324.754	215618.1	215069.6	1.891	mg/L		
3	Fe 273.955	101310.4	101490.0	4.755	mg/L		
3	K 766.491	862314.1	856226.8	14.96	mg/L		
3	Mg 279.079	230406.9	231422.0	23.68	mg/L		
3	Mn 257.610	808739.6	812122.8	1.896	mg/L		
3	Mo 202.030	25781.5	25895.9	1.885	mg/L		
3	Na 330.237	46490.0	45256.0	98.91	mg/L		
3	Ni 231.604	77687.0	77740.1	1.933	mg/L		
3	Pb 220.353	7364.4	7029.8	0.4871	mg/L		
3	Sb 206.833	4884.5	4853.7	1.944	mg/L		

3 Se 196.026	1637.4	1633.0	0.4958	mg/L
3 Tl 190.800	1499.6	1533.4	0.4850	mg/L
3 V 292.402	192213.4	191930.8	1.902	mg/L
3 Zn 213.856	104236.3	104280.0	1.956	mg/L

Mean Data ----------

ID: CCV 1447B Seq. No.: 62 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 02:22:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72249.8	0.9449	0.00404	mg/L				0.43%
Al 308.215	45041.9	4.818	0.0205	mg/L				0.43%
As 188.979	1307.2	0.4722	0.01453	mg/L				3.08%
Ba 233.527	523861.9	4.737	0.0418	mg/L				0.88%
Be 313.107	1184388.5	0.4782	0.00196	mg/L				0.41%
Ca 227.547	4054.1	49.26	1.205	mg/L				2.45%
Cd 228.802	39554.3	0.9541	0.01193	mg/L				1.25%
Co 228.616	69997.4	1.925	0.0095	mg/L				0.50%
Cr 267.716	21625.7	0.4713	0.00447	mg/L				0.95%
Cu 324.754	215650.3	1.896	0.0079	mg/L				0.42%
Fe 273.955	101831.6	4.771	0.0310	mg/L				0.65%
K 766.491	852474.3	14.90	0.052	mg/L				0.35%
Mg 279.079	233053.3	23.85	0.175	mg/L				0.73%
Mn 257.610	816906.7	1.907	0.0131	mg/L				0.69%
Mo 202.030	25962.3	1.890	0.0184	mg/L				0.98%
Na 330.237	45437.2	99.28	0.377	mg/L				0.38%
Ni 231.604	77885.5	1.936	0.0033	mg/L				0.17%
Pb 220.353	7041.6	0.4879	0.00698	mg/L				1.43%
Sb 206.833	4870.0	1.951	0.0124	mg/L				0.63%
Se 196.026	1623.8	0.4930	0.00398	mg/L				0.81%
Tl 190.800	1522.1	0.4814	0.00688	mg/L				1.43%
V 292.402	192526.6	1.908	0.0078	mg/L				0.41%
Zn 213.856	104512.8	1.960	0.0039	mg/L				0.20%

Replicate Data ----------

ID: CCB Date: 04/28/03 02:25:00 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-287.5	133.0	0.0017	mg/L		
1	Al 308.215	429.7	-12.8	-0.0014	mg/L		
1	As 188.979	-23.5	-13.2	-0.0047	mg/L		
1	Ba 233.527	-381.4	51.5	0.0005	mg/L		
1	Be 313.107	-2425.6	-124.9	-0.0001	mg/L		
1	Ca 227.547	-32.6	-0.2	-0.0028	mg/L		
1	Cd 228.802	126.0	0.1	0.0000	mg/L		
1	Co 228.616	73.4	1.9	0.0001	mg/L		
1	Cr 267.716	-72.5	-9.6	-0.0002	mg/L		
1	Cu 324.754	415.3	-133.2	-0.0012	mg/L		
1	Fe 273.955	-136.2	43.5	0.0020	mg/L		
1	K 766.491	5985.2	-102.1	0.0684	mg/L		
1	Mg 279.079	-955.6	59.5	0.0061	mg/L		
1	Mn 257.610	-3209.7	173.6	0.0004	mg/L		
1	Mo 202.030	-103.6	10.8	0.0008	mg/L		
1	Na 330.237	1276.1	42.1	0.7211	mg/L		
1	Ni 231.604	-52.4	0.7	0.0000	mg/L		
1	Pb 220.353	327.6	-7.0	-0.0005	mg/L		
1	Sb 206.833	26.3	-4.4	-0.0018	mg/L		
1	Se 196.026	0.4	-4.1	-0.0012	mg/L		
1	Tl 190.800	-40.4	-6.6	-0.0021	mg/L		
1	V 292.402	295.1	12.5	0.0001	mg/L		
1	Zn 213.856	-41.1	2.6	0.0000	mg/L		
2	Ag 328.068	-406.9	13.6	0.0002	mg/L		
2	Al 308.215	477.3	34.7	0.0037	mg/L		
2	As 188.979	-11.8	-1.5	-0.0005	mg/L		
2	Ba 233.527	-398.1	34.8	0.0003	mg/L		
2	Be 313.107	-2223.0	77.7	0.0000	mg/L		
2	Ca 227.547	-36.7	-4.4	-0.0534	mg/L		
2	Cd 228.802	111.2	-14.7	-0.0004	mg/L		

2 Co 228.616	82.0	10.6	0.0003	mg/L
2 Cr 267.716	-81.3	-18.4	-0.0004	mg/L
2 Cu 324.754	489.5	-59.0	-0.0005	mg/L
2 Fe 273.955	-139.0	40.6	0.0019	mg/L
2 K 766.491	5929.1	-158.2	0.0673	mg/L
2 Mg 279.079	-1052.6	-37.5	-0.0038	mg/L
2 Mn 257.610	-3215.8	167.4	0.0004	mg/L
2 Mo 202.030	-99.4	15.0	0.0011	mg/L
2 Na 330.237	1022.8	-211.2	0.1275	mg/L
2 Ni 231.604	-54.5	-1.5	0.0000	mg/L
2 Pb 220.353	313.0	-21.6	-0.0015	mg/L
2 Sb 206.833	26.0	-4.8	-0.0019	mg/L
2 Se 196.026	12.8	8.3	0.0025	mg/L
2 Tl 190.800	-30.6	3.2	0.0010	mg/L
2 V 292.402	264.8	-17.8	-0.0002	mg/L
2 Zn 213.856	-55.9	-12.2	-0.0002	mg/L
3 Ag 328.068	-468.6	-48.1	-0.0006	mg/L
3 Al 308.215	499.1	56.6	0.0061	mg/L
3 As 188.979	-6.4	4.0	0.0014	mg/L
3 Ba 233.527	-407.2	25.7	0.0002	mg/L
3 Be 313.107	-2356.8	-56.1	0.0000	mg/L
3 Ca 227.547	-39.4	-7.0	-0.0856	mg/L
3 Cd 228.802	119.8	-6.1	-0.0001	mg/L
3 Co 228.616	79.5	8.0	0.0002	mg/L
3 Cr 267.716	-69.7	-6.8	-0.0001	mg/L
3 Cu 324.754	686.7	138.2	0.0012	mg/L
3 Fe 273.955	-187.2	-7.6	-0.0004	mg/L
3 K 766.491	5861.4	-225.9	0.0660	mg/L
3 Mg 279.079	-909.4	105.7	0.0108	mg/L
3 Mn 257.610	-3254.5	128.7	0.0003	mg/L
3 Mo 202.030	-110.2	4.2	0.0003	mg/L
3 Na 330.237	1265.2	31.1	0.6954	mg/L
3 Ni 231.604	-43.7	9.4	0.0002	mg/L
3 Pb 220.353	336.9	2.3	0.0002	mg/L
3 Sb 206.833	40.4	9.7	0.0039	mg/L
3 Se 196.026	4.0	-0.5	-0.0001	mg/L
3 Tl 190.800	-33.3	0.5	0.0002	mg/L
3 V 292.402	349.7	67.1	0.0007	mg/L
3 Zn 213.856	-58.5	-14.8	-0.0003	mg/L

Mean Data ----------

ID: CCB Seq. No.: 63 Sample No.: 6 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 02:25:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	32.9	0.0004	0.00120	mg/L				280.17%
Al 308.215	26.2	0.0028	0.00380	mg/L				135.63%
As 188.979	-3.6	-0.0013	0.00315	mg/L				246.04%
Ba 233.527	37.3	0.0003	0.00012	mg/L				35.06%
Be 313.107	-34.4	0.0000	0.00004	mg/L				299.27%
Ca 227.547	-3.9	-0.0472	0.04175	mg/L				88.38%
Cd 228.802	-6.9	-0.0002	0.00018	mg/L				107.99%
Co 228.616	6.8	0.0002	0.00012	mg/L				65.57%
Cr 267.716	-11.6	-0.0003	0.00013	mg/L				51.88%
Cu 324.754	-18.0	-0.0002	0.00123	mg/L				779.89%
Fe 273.955	25.5	0.0012	0.00135	mg/L				112.43%
K 766.491	-162.1	0.0673	0.00121	mg/L				1.80%
Mg 279.079	42.6	0.0044	0.00748	mg/L				171.75%
Mn 257.610	156.6	0.0004	0.00006	mg/L				15.52%
Mo 202.030	10.0	0.0007	0.00040	mg/L				54.64%
Na 330.237	-46.0	0.5147	0.33555	mg/L				65.20%
Ni 231.604	2.9	0.0001	0.00014	mg/L				199.71%
Pb 220.353	-8.7	-0.0006	0.00083	mg/L				137.89%
Sb 206.833	0.2	0.0001	0.00330	mg/L				>999.9%
Se 196.026	1.3	0.0004	0.00193	mg/L				502.07%
Tl 190.800	-1.0	-0.0003	0.00159	mg/L				522.51%
V 292.402	20.6	0.0002	0.00043	mg/L				208.65%
Zn 213.856	-8.1	-0.0002	0.00018	mg/L				115.62%

Replicate Data ----------

ID: 2864-29 F=200 Date: 04/28/03 02:28:07 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-298.4	122.1	0.0016	mg/L	0.3193	ppm
1	Al 308.215	164202.7	163760.2	17.52	mg/L	3503	ppm
1	As 188.979	58.3	68.6	0.0306	mg/L	6.118	ppm
1	Ba 233.527	32937.2	33370.0	0.3018	mg/L	60.36	ppm
1	Be 313.107	-5708.9	-3408.2	-0.0014	mg/L	-0.2752	ppm
1	Ca 227.547	354.1	386.4	4.695	mg/L	938.9	ppm
1	Cd 228.802	174.3	48.4	0.0012	mg/L	0.2333	ppm
1	Co 228.616	850.2	778.7	0.0214	mg/L	4.282	ppm
1	Cr 267.716	1670.4	1733.4	0.0378	mg/L	7.555	ppm
1	Cu 324.754	3176.4	2627.9	0.0275	mg/L	5.503	ppm
1	Fe 273.955	1363129.4	1363309.1	64.01	mg/L	12800	ppm
1	K 766.491	524646.1	518558.9	9.470	mg/L	1894	ppm
1	Mg 279.079	103872.0	104887.1	10.73	mg/L	2146	ppm
1	Mn 257.610	284841.8	288225.0	0.6730	mg/L	134.6	ppm
1	Mo 202.030	-77.7	36.8	0.0027	mg/L	0.5350	ppm
1	Na 330.237	1601.7	367.7	1.483	mg/L	296.7	ppm
1	Ni 231.604	869.7	922.8	0.0229	mg/L	4.588	ppm
1	Pb 220.353	737.4	402.9	0.0272	mg/L	5.431	ppm
1	Sb 206.833	51.7	21.0	0.0044	mg/L	0.8729	ppm
1	Se 196.026	-23.9	-28.3	0.0029	mg/L	0.5850	ppm
1	Tl 190.800	-27.2	6.7	0.0021	mg/L	0.4183	ppm
1	V 292.402	15333.1	15050.5	0.1542	mg/L	30.85	ppm
1	Zn 213.856	8308.9	8352.6	0.1566	mg/L	31.33	ppm
2	Ag 328.068	-317.5	103.0	0.0013	mg/L	0.2695	ppm
2	Al 308.215	157103.3	156660.8	16.76	mg/L	3352	ppm
2	As 188.979	37.6	47.9	0.0229	mg/L	4.584	ppm
2	Ba 233.527	31410.3	31843.2	0.2880	mg/L	57.59	ppm
2	Be 313.107	-5687.1	-3386.4	-0.0014	mg/L	-0.2735	ppm
2	Ca 227.547	205.7	238.0	2.892	mg/L	578.3	ppm
2	Cd 228.802	177.3	51.4	0.0012	mg/L	0.2481	ppm
2	Co 228.616	745.0	673.6	0.0185	mg/L	3.704	ppm
2	Cr 267.716	1578.8	1641.7	0.0358	mg/L	7.155	ppm
2	Cu 324.754	2876.8	2328.3	0.0247	mg/L	4.940	ppm
2	Fe 273.955	1307626.6	1307806.3	61.40	mg/L	12280	ppm
2	K 766.491	513231.6	507144.3	9.277	mg/L	1855	ppm
2	Mg 279.079	99207.2	100222.3	10.25	mg/L	2051	ppm
2	Mn 257.610	272068.6	275451.8	0.6432	mg/L	128.6	ppm
2	Mo 202.030	-110.1	4.3	0.0003	mg/L	0.0626	ppm
2	Na 330.237	1516.1	282.1	1.283	mg/L	256.6	ppm
2	Ni 231.604	975.9	1029.0	0.0256	mg/L	5.117	ppm
2	Pb 220.353	801.7	467.1	0.0316	mg/L	6.326	ppm
2	Sb 206.833	33.0	2.3	-0.0030	mg/L	-0.5901	ppm
2	Se 196.026	-34.1	-38.5	-0.0006	mg/L	-0.1289	ppm
2	Tl 190.800	-74.1	-40.3	-0.0127	mg/L	-2.531	ppm
2	V 292.402	14721.7	14439.2	0.1431	mg/L	28.61	ppm
2	Zn 213.856	7956.6	8000.3	0.1500	mg/L	30.01	ppm
3	Ag 328.068	-471.1	-50.6	-0.0007	mg/L	-0.1324	ppm
3	Al 308.215	159670.8	159228.3	17.03	mg/L	3406	ppm
3	As 188.979	59.4	69.7	0.0308	mg/L	6.160	ppm
3	Ba 233.527	30462.5	30895.3	0.2794	mg/L	55.88	ppm
3	Be 313.107	-5581.2	-3280.4	-0.0013	mg/L	-0.2649	ppm
3	Ca 227.547	353.2	385.5	4.683	mg/L	936.7	ppm
3	Cd 228.802	166.1	40.2	0.0010	mg/L	0.1938	ppm
3	Co 228.616	799.5	728.0	0.0200	mg/L	4.003	ppm
3	Cr 267.716	1546.0	1608.9	0.0351	mg/L	7.012	ppm
3	Cu 324.754	3139.0	2590.6	0.0270	mg/L	5.410	ppm
3	Fe 273.955	1320669.9	1320849.6	62.02	mg/L	12400	ppm
3	K 766.491	532145.8	526058.5	9.596	mg/L	1919	ppm
3	Mg 279.079	99734.0	100749.1	10.31	mg/L	2062	ppm
3	Mn 257.610	275278.0	278661.2	0.6507	mg/L	130.1	ppm
3	Mo 202.030	-123.6	-9.2	-0.0007	mg/L	-0.1337	ppm
3	Na 330.237	1598.5	364.5	1.476	mg/L	295.2	ppm
3	Ni 231.604	796.7	849.8	0.0211	mg/L	4.226	ppm
3	Pb 220.353	641.7	307.1	0.0205	mg/L	4.110	ppm
3	Sb 206.833	66.6	35.9	0.0104	mg/L	2.089	ppm
3	Se 196.026	-35.5	-39.9	-0.0010	mg/L	-0.1915	ppm

3 Tl 190.800	-75.8	-42.0	-0.0132 mg/L	-2.642 ppm	
3 V 292.402	14941.5	14659.0	0.1452 mg/L	29.05 ppm	
3 Zn 213.856	7770.0	7813.7	0.1465 mg/L	29.31 ppm	

Mean Data

ID: 2864-29 F=200 Seq. No.: 64 Sample No.: 42 A/S Pos: 51
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:28:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	58.2	0.0008	0.00124	mg/L	0.1522	0.24768	ppm	162.79%
Al 308.215	159883.1	17.10	0.385	mg/L	3421	76.9	ppm	2.25%
As 188.979	62.1	0.0281	0.00449	mg/L	5.621	0.8981	ppm	15.98%
Ba 233.527	32036.2	0.2897	0.01129	mg/L	57.94	2.258	ppm	3.90%
Be 313.107	-3358.3	-0.0014	0.00003	mg/L	-0.2712	0.00552	ppm	2.03%
Ca 227.547	336.6	4.090	1.0378	mg/L	818.0	207.56	ppm	25.37%
Cd 228.802	46.7	0.0011	0.00014	mg/L	0.2251	0.02803	ppm	12.46%
Co 228.616	726.7	0.0200	0.00145	mg/L	3.996	0.2891	ppm	7.23%
Cr 267.716	1661.3	0.0362	0.00141	mg/L	7.241	0.2812	ppm	3.88%
Cu 324.754	2515.6	0.0264	0.00151	mg/L	5.284	0.3016	ppm	5.71%
Fe 273.955	1330655.0	62.48	1.363	mg/L	12500	272.5	ppm	2.18%
K 766.491	517253.9	9.448	0.1610	mg/L	1890	32.2	ppm	1.70%
Mg 279.079	101952.8	10.43	0.261	mg/L	2086	52.3	ppm	2.51%
Mn 257.610	280779.3	0.6556	0.01552	mg/L	131.1	3.10	ppm	2.37%
Mo 202.030	10.6	0.0008	0.00172	mg/L	0.1546	0.34372	ppm	222.34%
Na 330.237	338.1	1.414	0.1136	mg/L	282.8	22.72	ppm	8.03%
Ni 231.604	933.9	0.0232	0.00224	mg/L	4.643	0.4480	ppm	9.65%
Pb 220.353	392.4	0.0264	0.00558	mg/L	5.289	1.1152	ppm	21.09%
Sb 206.833	19.7	0.0040	0.00671	mg/L	0.7906	1.34145	ppm	169.67%
Se 196.026	-35.6	0.0004	0.00216	mg/L	0.0882	0.43140	ppm	489.19%
Tl 190.800	-25.2	-0.0079	0.00868	mg/L	-1.585	1.7356	ppm	109.51%
V 292.402	14716.2	0.1475	0.00593	mg/L	29.50	1.186	ppm	4.02%
Zn 213.856	8055.5	0.1511	0.00513	mg/L	30.21	1.026	ppm	3.40%

Replicate Data

ID: 2864-30 F=200 Date: 04/28/03 02:30:38 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-302.8	117.7	0.0015	mg/L	0.3078	ppm
1	Al 308.215	255920.5	255477.9	27.33	mg/L	5466	ppm
1	As 188.979	51.6	62.0	0.0283	mg/L	5.655	ppm
1	Ba 233.527	25424.1	25857.0	0.2338	mg/L	46.77	ppm
1	Be 313.107	-5458.1	-3157.4	-0.0013	mg/L	-0.2550	ppm
1	Ca 227.547	688.3	720.7	8.756	mg/L	1751	ppm
1	Cd 228.802	130.6	4.7	0.0001	mg/L	0.0229	ppm
1	Co 228.616	866.1	794.7	0.0218	mg/L	4.370	ppm
1	Cr 267.716	2588.4	2651.3	0.0578	mg/L	11.56	ppm
1	Cu 324.754	4200.5	3652.0	0.0366	mg/L	7.315	ppm
1	Fe 273.955	1380850.2	1381029.9	64.84	mg/L	12970	ppm
1	K 766.491	553043.4	546956.1	9.948	mg/L	1990	ppm
1	Mg 279.079	126976.6	127991.7	13.10	mg/L	2619	ppm
1	Mn 257.610	303181.8	306565.0	0.7158	mg/L	143.2	ppm
1	Mo 202.030	-53.7	60.7	0.0044	mg/L	0.8843	ppm
1	Na 330.237	1902.4	668.4	2.186	mg/L	437.3	ppm
1	Ni 231.604	1113.0	1166.1	0.0290	mg/L	5.798	ppm
1	Pb 220.353	626.5	292.0	0.0202	mg/L	4.046	ppm
1	Sb 206.833	17.7	-13.1	-0.0093	mg/L	-1.861	ppm
1	Se 196.026	-40.9	-45.4	-0.0021	mg/L	-0.4221	ppm
1	Tl 190.800	-80.3	-46.5	-0.0146	mg/L	-2.923	ppm
1	V 292.402	18089.1	17806.6	0.1816	mg/L	36.32	ppm
1	Zn 213.856	8113.0	8156.7	0.1530	mg/L	30.59	ppm
2	Ag 328.068	-490.1	-69.6	-0.0009	mg/L	-0.1820	ppm
2	Al 308.215	250597.5	250155.0	26.76	mg/L	5352	ppm
2	As 188.979	16.8	27.2	0.0156	mg/L	3.127	ppm
2	Ba 233.527	25275.3	25708.2	0.2325	mg/L	46.50	ppm
2	Be 313.107	-5631.8	-3331.1	-0.0013	mg/L	-0.2690	ppm
2	Ca 227.547	579.9	612.3	7.439	mg/L	1488	ppm
2	Cd 228.802	91.3	-34.6	-0.0008	mg/L	-0.1671	ppm
2	Co 228.616	968.7	897.2	0.0247	mg/L	4.934	ppm

2 Cr 267.716	2429.0	2491.9	0.0543 mg/L	10.86 ppm	
2 Cu 324.754	4131.1	3582.6	0.0359 mg/L	7.173 ppm	
2 Fe 273.955	1349682.4	1349862.0	63.38 mg/L	12680 ppm	
2 K 766.491	540103.4	534016.2	9.730 mg/L	1946 ppm	
2 Mg 279.079	124035.1	125050.2	12.79 mg/L	2559 ppm	
2 Mn 257.610	295310.8	298694.1	0.6974 mg/L	139.5 ppm	
2 Mo 202.030	-136.6	-22.2	-0.0016 mg/L	-0.3234 ppm	
2 Na 330.237	1934.8	700.8	2.262 mg/L	452.4 ppm	
2 Ni 231.604	1179.9	1233.0	0.0307 mg/L	6.131 ppm	
2 Pb 220.353	850.4	515.8	0.0357 mg/L	7.149 ppm	
2 Sb 206.833	46.6	15.8	0.0023 mg/L	0.4696 ppm	
2 Se 196.026	-56.7	-61.2	-0.0072 mg/L	-1.432 ppm	
2 Tl 190.800	-49.8	-16.0	-0.0050 mg/L	-1.006 ppm	
2 V 292.402	17635.1	17352.5	0.1770 mg/L	35.40 ppm	
2 Zn 213.856	8088.0	8131.7	0.1525 mg/L	30.50 ppm	
3 Ag 328.068	-384.6	35.9	0.0005 mg/L	0.0939 ppm	
3 Al 308.215	242070.5	241628.0	25.85 mg/L	5169 ppm	
3 As 188.979	61.7	72.0	0.0316 mg/L	6.323 ppm	
3 Ba 233.527	25842.1	26274.9	0.2376 mg/L	47.52 ppm	
3 Be 313.107	-5475.2	-3174.5	-0.0013 mg/L	-0.2564 ppm	
3 Ca 227.547	669.1	701.4	8.522 mg/L	1704 ppm	
3 Cd 228.802	162.3	36.4	0.0009 mg/L	0.1758 ppm	
3 Co 228.616	873.8	802.3	0.0221 mg/L	4.412 ppm	
3 Cr 267.716	2621.8	2684.7	0.0585 mg/L	11.70 ppm	
3 Cu 324.754	4023.5	3475.0	0.0348 mg/L	6.962 ppm	
3 Fe 273.955	1315385.3	1315565.0	61.77 mg/L	12350 ppm	
3 K 766.491	526437.3	520350.0	9.500 mg/L	1900 ppm	
3 Mg 279.079	120333.9	121349.0	12.42 mg/L	2483 ppm	
3 Mn 257.610	287642.9	291026.1	0.6795 mg/L	135.9 ppm	
3 Mo 202.030	-89.3	25.1	0.0018 mg/L	0.3657 ppm	
3 Na 330.237	1666.5	432.4	1.635 mg/L	326.9 ppm	
3 Ni 231.604	1225.9	1279.0	0.0318 mg/L	6.359 ppm	
3 Pb 220.353	658.5	323.9	0.0224 mg/L	4.486 ppm	
3 Sb 206.833	32.2	1.5	-0.0033 mg/L	-0.6599 ppm	
3 Se 196.026	31.9	27.5	0.0195 mg/L	3.893 ppm	
3 Tl 190.800	-72.0	-38.2	-0.0120 mg/L	-2.399 ppm	
3 V 292.402	17161.3	16878.7	0.1672 mg/L	33.45 ppm	
3 Zn 213.856	8411.8	8455.5	0.1586 mg/L	31.71 ppm	

Mean Data ----------

ID: 2864-30 F=200 Seq. No.: 65 Sample No.: 43 A/S Pos: 52
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/28/03 02:30:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	28.0	0.0004	0.00123	mg/L	0.0732	0.24557	ppm	335.30%
Al 308.215	249087.0	26.64	0.747	mg/L	5329	149.5	ppm	2.80%
As 188.979	53.7	0.0252	0.00843	mg/L	5.035	1.6857	ppm	33.48%
Ba 233.527	25946.7	0.2346	0.00266	mg/L	46.93	0.531	ppm	1.13%
Be 313.107	-3221.0	-0.0013	0.00004	mg/L	-0.2601	0.00773	ppm	2.97%
Ca 227.547	678.1	8.239	0.7028	mg/L	1648	140.6	ppm	8.53%
Cd 228.802	2.2	0.0001	0.00086	mg/L	0.0105	0.17177	ppm	>999.9%
Co 228.616	831.4	0.0229	0.00157	mg/L	4.572	0.3140	ppm	6.87%
Cr 267.716	2609.3	0.0569	0.00225	mg/L	11.37	0.449	ppm	3.95%
Cu 324.754	3569.8	0.0357	0.00089	mg/L	7.150	0.1779	ppm	2.49%
Fe 273.955	1348819.0	63.33	1.537	mg/L	12670	307.5	ppm	2.43%
K 766.491	533774.1	9.726	0.2239	mg/L	1945	44.8	ppm	2.30%
Mg 279.079	124797.0	12.77	0.341	mg/L	2554	68.1	ppm	2.67%
Mn 257.610	298761.7	0.6976	0.01814	mg/L	139.5	3.63	ppm	2.60%
Mo 202.030	21.2	0.0015	0.00303	mg/L	0.3088	0.60583	ppm	196.16%
Na 330.237	600.5	2.028	0.3425	mg/L	405.5	68.49	ppm	16.89%
Ni 231.604	1226.0	0.0305	0.00141	mg/L	6.096	0.2822	ppm	4.63%
Pb 220.353	377.2	0.0261	0.00839	mg/L	5.227	1.6789	ppm	32.12%
Sb 206.833	1.4	-0.0034	0.00583	mg/L	-0.6839	1.16572	ppm	170.44%
Se 196.026	-26.4	0.0034	0.01414	mg/L	0.6794	2.82834	ppm	416.29%
Tl 190.800	-33.6	-0.0105	0.00495	mg/L	-2.109	0.9909	ppm	46.98%
V 292.402	17345.9	0.1753	0.00734	mg/L	35.06	1.469	ppm	4.19%
Zn 213.856	8248.0	0.1547	0.00338	mg/L	30.94	0.676	ppm	2.18%

Replicate Data ----------

ID: CCV 1447B Date: 04/28/03 02:33:14 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	72343.1	72763.6	0.9516	mg/L		
1	Al 308.215	46319.0	45876.5	4.907	mg/L		
1	As 188.979	1364.1	1374.4	0.4964	mg/L		
1	Ba 233.527	534896.8	535329.7	4.841	mg/L		
1	Be 313.107	1195553.6	1197854.3	0.4837	mg/L		
1	Ca 227.547	4001.9	4034.3	49.01	mg/L		
1	Cd 228.802	39946.0	39820.1	0.9605	mg/L		
1	Co 228.616	70677.0	70605.5	1.941	mg/L		
1	Cr 267.716	21711.4	21774.3	0.4745	mg/L		
1	Cu 324.754	218070.2	217521.8	1.912	mg/L		
1	Fe 273.955	103015.4	103195.0	4.835	mg/L		
1	K 766.491	864980.0	858892.8	15.00	mg/L		
1	Mg 279.079	234116.9	235132.0	24.06	mg/L		
1	Mn 257.610	824000.2	827383.4	1.932	mg/L		
1	Mo 202.030	26110.1	26224.5	1.909	mg/L		
1	Na 330.237	47398.6	46164.6	100.7	mg/L		
1	Ni 231.604	78350.9	78404.0	1.949	mg/L		
1	Pb 220.353	7556.5	7222.0	0.5004	mg/L		
1	Sb 206.833	5019.2	4988.5	1.998	mg/L		
1	Se 196.026	1652.0	1647.6	0.5002	mg/L		
1	Tl 190.800	1524.7	1558.5	0.4929	mg/L		
1	V 292.402	195366.3	195083.7	1.933	mg/L		
1	Zn 213.856	104695.9	104739.7	1.964	mg/L		
2	Ag 328.068	71030.3	71450.8	0.9345	mg/L		
2	Al 308.215	45537.6	45095.0	4.824	mg/L		
2	As 188.979	1333.4	1343.7	0.4853	mg/L		
2	Ba 233.527	522431.1	522863.9	4.728	mg/L		
2	Be 313.107	1178581.2	1180882.0	0.4768	mg/L		
2	Ca 227.547	4053.4	4085.7	49.64	mg/L		
2	Cd 228.802	39885.6	39759.7	0.9591	mg/L		
2	Co 228.616	69688.9	69617.4	1.914	mg/L		
2	Cr 267.716	21691.1	21754.0	0.4741	mg/L		
2	Cu 324.754	215315.5	214767.0	1.888	mg/L		
2	Fe 273.955	101331.4	101511.1	4.756	mg/L		
2	K 766.491	856919.4	850832.1	14.87	mg/L		
2	Mg 279.079	230323.9	231339.0	23.67	mg/L		
2	Mn 257.610	811542.5	814925.7	1.903	mg/L		
2	Mo 202.030	26060.8	26175.2	1.905	mg/L		
2	Na 330.237	46561.1	45327.1	99.05	mg/L		
2	Ni 231.604	77488.7	77541.8	1.928	mg/L		
2	Pb 220.353	7493.5	7159.0	0.4960	mg/L		
2	Sb 206.833	4935.8	4905.0	1.965	mg/L		
2	Se 196.026	1624.4	1620.0	0.4918	mg/L		
2	Tl 190.800	1519.7	1553.5	0.4913	mg/L		
2	V 292.402	191768.5	191486.0	1.897	mg/L		
2	Zn 213.856	103920.3	103964.0	1.950	mg/L		
3	Ag 328.068	72986.8	73407.3	0.9601	mg/L		
3	Al 308.215	46178.7	45736.1	4.892	mg/L		
3	As 188.979	1351.7	1362.0	0.4919	mg/L		
3	Ba 233.527	528793.6	529226.5	4.786	mg/L		
3	Be 313.107	1202546.5	1204847.2	0.4865	mg/L		
3	Ca 227.547	4050.5	4082.9	49.61	mg/L		
3	Cd 228.802	40101.7	39975.8	0.9643	mg/L		
3	Co 228.616	70929.0	70857.5	1.948	mg/L		
3	Cr 267.716	21729.4	21792.4	0.4749	mg/L		
3	Cu 324.754	220187.7	219639.2	1.931	mg/L		
3	Fe 273.955	103337.0	103516.7	4.850	mg/L		
3	K 766.491	872592.9	866505.6	15.12	mg/L		
3	Mg 279.079	234826.6	235841.7	24.13	mg/L		
3	Mn 257.610	824055.2	827438.4	1.932	mg/L		
3	Mo 202.030	26116.7	26231.1	1.909	mg/L		
3	Na 330.237	47362.8	46128.8	100.7	mg/L		
3	Ni 231.604	79290.6	79343.7	1.973	mg/L		
3	Pb 220.353	7518.8	7184.2	0.4978	mg/L		
3	Sb 206.833	4911.0	4880.2	1.955	mg/L		
3	Se 196.026	1660.7	1656.2	0.5028	mg/L		
3	Tl 190.800	1579.2	1613.0	0.5100	mg/L		

3 V 292.402	196263.4	195980.8	1.942 mg/L	
3 Zn 213.856	106542.7	106586.4	1.999 mg/L	

Mean Data

ID: CCV 1447B Seq. No.: 66 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 02:33:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72540.6	0.9487	0.01304	mg/L				1.37%
Al 308.215	45569.2	4.874	0.0446	mg/L				0.91%
As 188.979	1360.1	0.4912	0.00555	mg/L				1.13%
Ba 233.527	529140.0	4.785	0.0564	mg/L				1.18%
Be 313.107	1194527.9	0.4823	0.00498	mg/L				1.03%
Ca 227.547	4067.6	49.42	0.351	mg/L				0.71%
Cd 228.802	39851.9	0.9613	0.00269	mg/L				0.28%
Co 228.616	70360.1	1.935	0.0180	mg/L				0.93%
Cr 267.716	21773.6	0.4745	0.00042	mg/L				0.09%
Cu 324.754	217309.3	1.910	0.0215	mg/L				1.12%
Fe 273.955	102740.9	4.814	0.0505	mg/L				1.05%
K 766.491	858743.5	15.00	0.123	mg/L				0.82%
Mg 279.079	234104.3	23.95	0.248	mg/L				1.03%
Mn 257.610	823249.2	1.922	0.0168	mg/L				0.88%
Mo 202.030	26210.3	1.908	0.0022	mg/L				0.12%
Na 330.237	45873.5	100.2	0.96	mg/L				0.96%
Ni 231.604	78429.8	1.950	0.0224	mg/L				1.15%
Pb 220.353	7188.4	0.4981	0.00220	mg/L				0.44%
Sb 206.833	4924.6	1.973	0.0227	mg/L				1.15%
Se 196.026	1641.3	0.4983	0.00575	mg/L				1.15%
Tl 190.800	1575.0	0.4981	0.01041	mg/L				2.09%
V 292.402	194183.5	1.924	0.0236	mg/L				1.23%
Zn 213.856	105096.7	1.971	0.0253	mg/L				1.28%

Replicate Data

ID: CCB Date: 04/28/03 02:36:05 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-312.1	108.4	0.0014	mg/L		
1	Al 308.215	478.2	35.7	0.0038	mg/L		
1	As 188.979	-15.0	-4.6	-0.0017	mg/L		
1	Ba 233.527	-381.2	51.7	0.0005	mg/L		
1	Be 313.107	-2285.3	15.4	0.0000	mg/L		
1	Ca 227.547	-28.4	4.0	0.0481	mg/L		
1	Cd 228.802	120.4	-5.5	-0.0001	mg/L		
1	Co 228.616	76.9	5.4	0.0001	mg/L		
1	Cr 267.716	-41.2	21.7	0.0005	mg/L		
1	Cu 324.754	407.2	-141.3	-0.0012	mg/L		
1	Fe 273.955	-163.8	15.8	0.0007	mg/L		
1	K 766.491	5606.0	-481.3	0.0610	mg/L		
1	Mg 279.079	-959.7	55.5	0.0057	mg/L		
1	Mn 257.610	-3185.4	197.8	0.0005	mg/L		
1	Mo 202.030	-104.5	9.9	0.0007	mg/L		
1	Na 330.237	1151.9	-82.1	0.4300	mg/L		
1	Ni 231.604	-38.3	14.8	0.0004	mg/L		
1	Pb 220.353	321.0	-13.6	-0.0009	mg/L		
1	Sb 206.833	41.4	10.6	0.0043	mg/L		
1	Se 196.026	-1.9	-6.4	-0.0019	mg/L		
1	Tl 190.800	-33.0	0.8	0.0002	mg/L		
1	V 292.402	255.0	-27.5	-0.0003	mg/L		
1	Zn 213.856	-61.7	-18.0	-0.0003	mg/L		
2	Ag 328.068	-404.9	15.6	0.0002	mg/L		
2	Al 308.215	418.3	-24.2	-0.0026	mg/L		
2	As 188.979	-14.3	-3.9	-0.0014	mg/L		
2	Ba 233.527	-383.3	49.5	0.0004	mg/L		
2	Be 313.107	-2104.4	196.4	0.0001	mg/L		
2	Ca 227.547	-33.2	-0.8	-0.0100	mg/L		
2	Cd 228.802	132.5	6.6	0.0002	mg/L		
2	Co 228.616	81.8	10.3	0.0003	mg/L		
2	Cr 267.716	-56.4	6.5	0.0001	mg/L		

2	Cu 324.754	480.7	-67.8	-0.0006 mg/L
2	Fe 273.955	-177.2	2.5	0.0001 mg/L
2	K 766.491	4993.5	-1093.8	0.0490 mg/L
2	Mg 279.079	-1068.8	-53.7	-0.0055 mg/L
2	Mn 257.610	-3208.8	174.4	0.0004 mg/L
2	Mo 202.030	-111.7	2.7	0.0002 mg/L
2	Na 330.237	1081.9	-152.1	0.2659 mg/L
2	Ni 231.604	-43.0	10.1	0.0003 mg/L
2	Pb 220.353	319.3	-15.3	-0.0011 mg/L
2	Sb 206.833	24.1	-6.7	-0.0027 mg/L
2	Se 196.026	-4.3	-8.7	-0.0026 mg/L
2	Tl 190.800	-34.5	-0.7	-0.0002 mg/L
2	V 292.402	146.1	-136.5	-0.0014 mg/L
2	Zn 213.856	-44.2	-0.5	0.0000 mg/L
3	Ag 328.068	-311.7	108.8	0.0014 mg/L
3	Al 308.215	426.6	-16.0	-0.0017 mg/L
3	As 188.979	-25.0	-14.7	-0.0053 mg/L
3	Ba 233.527	-395.7	37.2	0.0003 mg/L
3	Be 313.107	-2326.3	-25.6	0.0000 mg/L
3	Ca 227.547	-38.2	-5.8	-0.0708 mg/L
3	Cd 228.802	118.3	-7.6	-0.0002 mg/L
3	Co 228.616	73.5	2.0	0.0001 mg/L
3	Cr 267.716	-80.7	-17.8	-0.0004 mg/L
3	Cu 324.754	586.4	37.9	0.0003 mg/L
3	Fe 273.955	-184.3	-4.7	-0.0002 mg/L
3	K 766.491	5754.5	-332.8	0.0639 mg/L
3	Mg 279.079	-1033.4	-18.3	-0.0019 mg/L
3	Mn 257.610	-3237.7	145.5	0.0003 mg/L
3	Mo 202.030	-103.0	11.4	0.0008 mg/L
3	Na 330.237	1094.8	-139.2	0.2962 mg/L
3	Ni 231.604	-42.3	10.8	0.0003 mg/L
3	Pb 220.353	318.6	-15.9	-0.0011 mg/L
3	Sb 206.833	22.4	-8.4	-0.0034 mg/L
3	Se 196.026	9.9	5.4	0.0016 mg/L
3	Tl 190.800	-34.3	-0.5	-0.0001 mg/L
3	V 292.402	200.5	-82.1	-0.0008 mg/L
3	Zn 213.856	-54.9	-11.2	-0.0002 mg/L

Mean Data ----------

ID: CCB Seq. No.: 67 Sample No.: 6 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 04/28/03 02:36:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	77.6	0.0010	0.00070	mg/L				69.19%
Al 308.215	-1.5	-0.0002	0.00347	mg/L				>999.9%
As 188.979	-7.8	-0.0028	0.00216	mg/L				77.59%
Ba 233.527	46.1	0.0004	0.00007	mg/L				16.93%
Be 313.107	62.1	0.0000	0.00005	mg/L				190.28%
Ca 227.547	-0.9	-0.0109	0.05949	mg/L				546.49%
Cd 228.802	-2.2	-0.0001	0.00018	mg/L				349.47%
Co 228.616	5.9	0.0002	0.00011	mg/L				70.02%
Cr 267.716	3.5	0.0001	0.00043	mg/L				569.64%
Cu 324.754	-57.1	-0.0005	0.00079	mg/L				157.76%
Fe 273.955	4.6	0.0002	0.00049	mg/L				228.42%
K 766.491	-636.0	0.0580	0.00789	mg/L				13.60%
Mg 279.079	-5.5	-0.0006	0.00570	mg/L				>999.9%
Mn 257.610	172.6	0.0004	0.00006	mg/L				15.20%
Mo 202.030	8.0	0.0006	0.00034	mg/L				57.93%
Na 330.237	-124.5	0.3307	0.08733	mg/L				26.41%
Ni 231.604	11.9	0.0003	0.00006	mg/L				21.20%
Pb 220.353	-14.9	-0.0010	0.00008	mg/L				8.21%
Sb 206.833	-1.5	-0.0006	0.00421	mg/L				711.90%
Se 196.026	-3.2	-0.0010	0.00230	mg/L				233.76%
Tl 190.800	-0.1	0.0000	0.00025	mg/L				650.47%
V 292.402	-82.0	-0.0008	0.00054	mg/L				66.39%
Zn 213.856	-9.9	-0.0002	0.00017	mg/L				88.92%

Replicate Data ----------

ID: M-BL 03M1387S Date: 04/28/03 02:39:29 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-437.0	-16.5	-0.0002	mg/L	-0.0108	ppm
1	Al 308.215	493.2	50.7	0.0054	mg/L	0.2711	ppm
1	As 188.979	-16.5	-6.1	-0.0022	mg/L	-0.1105	ppm
1	Ba 233.527	-418.3	14.6	0.0001	mg/L	0.0066	ppm
1	Be 313.107	-2272.0	28.7	0.0000	mg/L	0.0006	ppm
1	Ca 227.547	-50.8	-18.5	-0.2244	mg/L	-11.22	ppm
1	Cd 228.802	125.3	-0.6	0.0000	mg/L	-0.0008	ppm
1	Co 228.616	62.7	-8.8	-0.0002	mg/L	-0.0121	ppm
1	Cr 267.716	-61.9	1.0	0.0000	mg/L	0.0011	ppm
1	Cu 324.754	399.8	-148.7	-0.0013	mg/L	-0.0654	ppm
1	Fe 273.955	-153.2	26.5	0.0012	mg/L	0.0622	ppm
1	K 766.491	6031.0	-56.3	0.0693	mg/L	3.466	ppm
1	Mg 279.079	-944.0	71.1	0.0073	mg/L	0.3639	ppm
1	Mn 257.610	-3270.3	112.9	0.0003	mg/L	0.0132	ppm
1	Mo 202.030	-107.0	7.4	0.0005	mg/L	0.0270	ppm
1	Na 330.237	1030.0	-204.0	0.1443	mg/L	7.215	ppm
1	Ni 231.604	-52.8	0.3	0.0000	mg/L	0.0004	ppm
1	Pb 220.353	320.1	-14.4	-0.0010	mg/L	-0.0500	ppm
1	Sb 206.833	19.9	-10.9	-0.0043	mg/L	-0.2173	ppm
1	Se 196.026	-1.7	-6.1	-0.0019	mg/L	-0.0928	ppm
1	Tl 190.800	-29.7	4.1	0.0013	mg/L	0.0641	ppm
1	V 292.402	256.1	-26.5	-0.0003	mg/L	-0.0131	ppm
1	Zn 213.856	-48.3	-4.6	-0.0001	mg/L	-0.0043	ppm
2	Ag 328.068	-612.1	-191.6	-0.0025	mg/L	-0.1253	ppm
2	Al 308.215	501.3	58.8	0.0063	mg/L	0.3143	ppm
2	As 188.979	-16.6	-6.2	-0.0022	mg/L	-0.1118	ppm
2	Ba 233.527	-425.3	7.6	0.0001	mg/L	0.0034	ppm
2	Be 313.107	-2257.2	43.6	0.0000	mg/L	0.0009	ppm
2	Ca 227.547	-32.1	0.2	0.0028	mg/L	0.1418	ppm
2	Cd 228.802	125.4	-0.5	0.0000	mg/L	-0.0006	ppm
2	Co 228.616	67.3	-4.2	-0.0001	mg/L	-0.0057	ppm
2	Cr 267.716	-74.6	-11.7	-0.0003	mg/L	-0.0128	ppm
2	Cu 324.754	531.9	-16.6	-0.0001	mg/L	-0.0073	ppm
2	Fe 273.955	-144.5	35.1	0.0016	mg/L	0.0824	ppm
2	K 766.491	5751.9	-335.4	0.0639	mg/L	3.193	ppm
2	Mg 279.079	-1008.2	6.9	0.0007	mg/L	0.0353	ppm
2	Mn 257.610	-3254.5	128.7	0.0003	mg/L	0.0150	ppm
2	Mo 202.030	-115.1	-0.7	0.0000	mg/L	-0.0024	ppm
2	Na 330.237	1215.7	-18.3	0.5795	mg/L	28.98	ppm
2	Ni 231.604	-56.3	-3.2	-0.0001	mg/L	-0.0040	ppm
2	Pb 220.353	294.7	-39.9	-0.0028	mg/L	-0.1382	ppm
2	Sb 206.833	28.9	-1.8	-0.0007	mg/L	-0.0361	ppm
2	Se 196.026	-1.9	-6.4	-0.0019	mg/L	-0.0969	ppm
2	Tl 190.800	-28.2	5.6	0.0018	mg/L	0.0888	ppm
2	V 292.402	288.3	5.7	0.0001	mg/L	0.0028	ppm
2	Zn 213.856	-38.4	5.3	0.0001	mg/L	0.0049	ppm
3	Ag 328.068	-327.5	93.0	0.0012	mg/L	0.0608	ppm
3	Al 308.215	396.0	-46.6	-0.0050	mg/L	-0.2491	ppm
3	As 188.979	-10.6	-0.3	-0.0001	mg/L	-0.0051	ppm
3	Ba 233.527	-422.0	10.9	0.0001	mg/L	0.0049	ppm
3	Be 313.107	-2192.7	108.1	0.0000	mg/L	0.0022	ppm
3	Ca 227.547	-32.6	-0.3	-0.0035	mg/L	-0.1733	ppm
3	Cd 228.802	113.4	-12.5	-0.0003	mg/L	-0.0150	ppm
3	Co 228.616	63.5	-8.0	-0.0002	mg/L	-0.0110	ppm
3	Cr 267.716	-55.6	7.3	0.0002	mg/L	0.0080	ppm
3	Cu 324.754	697.7	149.2	0.0013	mg/L	0.0656	ppm
3	Fe 273.955	-148.8	30.8	0.0014	mg/L	0.0724	ppm
3	K 766.491	5571.7	-515.6	0.0603	mg/L	3.017	ppm
3	Mg 279.079	-1067.2	-52.1	-0.0053	mg/L	-0.2663	ppm
3	Mn 257.610	-3256.7	126.6	0.0003	mg/L	0.0148	ppm
3	Mo 202.030	-116.2	-1.8	-0.0001	mg/L	-0.0065	ppm
3	Na 330.237	1265.7	31.7	0.6967	mg/L	34.83	ppm
3	Ni 231.604	-46.4	6.7	0.0002	mg/L	0.0083	ppm
3	Pb 220.353	327.6	-6.9	-0.0005	mg/L	-0.0239	ppm
3	Sb 206.833	27.3	-3.4	-0.0014	mg/L	-0.0681	ppm
3	Se 196.026	9.3	4.8	0.0015	mg/L	0.0729	ppm
3	Tl 190.800	-29.2	4.6	0.0014	mg/L	0.0724	ppm
3	V 292.402	285.5	2.9	0.0000	mg/L	0.0015	ppm

3 Zn 213.856	-48.2	-4.5	-0.0001 mg/L	-0.0042 ppm	

Mean Data

ID: M-BL 03M1387S Seq. No.: 68 Sample No.: 44 A/S Pos: 53
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/28/03 02:39:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-38.4	-0.0005	0.00188	mg/L	-0.0251	0.09386	ppm	374.08%
Al 308.215	21.0	0.0022	0.00627	mg/L	0.1121	0.31355	ppm	279.67%
As 188.979	-4.2	-0.0015	0.00123	mg/L	-0.0758	0.06127	ppm	80.80%
Ba 233.527	11.0	0.0001	0.00003	mg/L	0.0050	0.00158	ppm	31.60%
Be 313.107	60.1	0.0000	0.00002	mg/L	0.0012	0.00085	ppm	70.18%
Ca 227.547	-6.2	-0.0750	0.12941	mg/L	-3.750	6.4706	ppm	172.53%
Cd 228.802	-4.5	-0.0001	0.00017	mg/L	-0.0055	0.00826	ppm	150.81%
Co 228.616	-7.0	-0.0002	0.00007	mg/L	-0.0096	0.00341	ppm	35.51%
Cr 267.716	-1.1	0.0000	0.00021	mg/L	-0.0012	0.01056	ppm	860.52%
Cu 324.754	-5.4	0.0000	0.00131	mg/L	-0.0024	0.06562	ppm	>999.9%
Fe 273.955	30.8	0.0014	0.00020	mg/L	0.0723	0.01012	ppm	13.99%
K 766.491	-302.4	0.0645	0.00452	mg/L	3.225	0.2262	ppm	7.01%
Mg 279.079	8.7	0.0009	0.00630	mg/L	0.0443	0.31520	ppm	711.43%
Mn 257.610	122.7	0.0003	0.00002	mg/L	0.0143	0.00100	ppm	6.97%
Mo 202.030	1.7	0.0001	0.00037	mg/L	0.0060	0.01828	ppm	303.09%
Na 330.237	-63.6	0.4735	0.29105	mg/L	23.67	14.553	ppm	61.47%
Ni 231.604	1.3	0.0000	0.00012	mg/L	0.0016	0.00623	ppm	397.18%
Pb 220.353	-20.4	-0.0014	0.00120	mg/L	-0.0707	0.05990	ppm	84.72%
Sb 206.833	-5.4	-0.0021	0.00193	mg/L	-0.1072	0.09667	ppm	90.21%
Se 196.026	-2.6	-0.0008	0.00194	mg/L	-0.0389	0.09685	ppm	248.71%
Tl 190.800	4.8	0.0015	0.00025	mg/L	0.0751	0.01255	ppm	16.72%
V 292.402	-5.9	-0.0001	0.00018	mg/L	-0.0029	0.00885	ppm	300.44%
Zn 213.856	-1.3	0.0000	0.00011	mg/L	-0.0012	0.00532	ppm	439.24%

Replicate Data

ID: LCS-03M1387 Date: 04/28/03 02:42:39 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	67358.2	67778.7	0.8864	mg/L	44.32	ppm
1	Al 308.215	18313.4	17870.9	1.912	mg/L	95.58	ppm
1	As 188.979	1289.0	1299.3	0.4715	mg/L	23.57	ppm
1	Ba 233.527	422935.3	423368.2	3.829	mg/L	191.4	ppm
1	Be 313.107	443416.7	445717.4	0.1800	mg/L	8.998	ppm
1	Ca 227.547	1449.1	1481.4	18.00	mg/L	899.9	ppm
1	Cd 228.802	9743.3	9617.4	0.2320	mg/L	11.60	ppm
1	Co 228.616	32763.1	32691.6	0.8989	mg/L	44.94	ppm
1	Cr 267.716	42777.6	42840.5	0.9336	mg/L	46.68	ppm
1	Cu 324.754	103323.6	102775.1	0.9035	mg/L	45.18	ppm
1	Fe 273.955	19021.5	19201.1	0.8928	mg/L	44.64	ppm
1	K 766.491	269105.6	263018.3	5.009	mg/L	250.4	ppm
1	Mg 279.079	84535.5	85550.6	8.753	mg/L	437.7	ppm
1	Mn 257.610	363489.6	366872.8	0.8566	mg/L	42.83	ppm
1	Mo 202.030	25780.7	25895.2	1.885	mg/L	94.23	ppm
1	Na 330.237	17256.6	16022.6	37.09	mg/L	1855	ppm
1	Ni 231.604	35446.6	35499.7	0.8826	mg/L	44.13	ppm
1	Pb 220.353	41116.5	40781.9	2.826	mg/L	141.3	ppm
1	Sb 206.833	1275.3	1244.6	0.4976	mg/L	24.88	ppm
1	Se 196.026	1527.6	1523.1	0.4624	mg/L	23.12	ppm
1	Tl 190.800	1534.8	1568.6	0.4959	mg/L	24.79	ppm
1	V 292.402	184218.7	183936.1	1.822	mg/L	91.12	ppm
1	Zn 213.856	24420.5	24464.2	0.4588	mg/L	22.94	ppm
2	Ag 328.068	66209.7	66630.2	0.8714	mg/L	43.57	ppm
2	Al 308.215	18428.0	17985.5	1.924	mg/L	96.19	ppm
2	As 188.979	1325.6	1335.9	0.4846	mg/L	24.23	ppm
2	Ba 233.527	416085.2	416518.1	3.767	mg/L	188.3	ppm
2	Be 313.107	436615.5	438916.2	0.1772	mg/L	8.861	ppm
2	Ca 227.547	1547.8	1580.1	19.20	mg/L	959.9	ppm
2	Cd 228.802	9738.3	9612.4	0.2319	mg/L	11.59	ppm
2	Co 228.616	32849.9	32778.4	0.9013	mg/L	45.06	ppm
2	Cr 267.716	42295.7	42358.6	0.9231	mg/L	46.16	ppm
2	Cu 324.754	101910.0	101361.5	0.8911	mg/L	44.55	ppm

2 Fe 273.955	19097.7	19277.4	0.8964 mg/L	44.82 ppm	
2 K 766.491	269118.6	263031.3	5.009 mg/L	250.5 ppm	
2 Mg 279.079	83351.2	84366.3	8.632 mg/L	431.6 ppm	
2 Mn 257.610	358259.3	361642.5	0.8444 mg/L	42.22 ppm	
2 Mo 202.030	26066.6	26181.0	1.905 mg/L	95.27 ppm	
2 Na 330.237	17005.9	15771.8	36.54 mg/L	1827 ppm	
2 Ni 231.604	35914.4	35967.5	0.8942 mg/L	44.71 ppm	
2 Pb 220.353	41489.5	41154.9	2.852 mg/L	142.6 ppm	
2 Sb 206.833	1213.2	1182.5	0.4728 mg/L	23.64 ppm	
2 Se 196.026	1612.1	1607.6	0.4880 mg/L	24.40 ppm	
2 Tl 190.800	1510.9	1544.7	0.4883 mg/L	24.42 ppm	
2 V 292.402	182002.9	181720.3	1.800 mg/L	90.02 ppm	
2 Zn 213.856	24848.8	24892.5	0.4668 mg/L	23.34 ppm	
3 Ag 328.068	66652.2	67072.7	0.8772 mg/L	43.86 ppm	
3 Al 308.215	18685.8	18243.2	1.951 mg/L	97.57 ppm	
3 As 188.979	1321.7	1332.0	0.4832 mg/L	24.16 ppm	
3 Ba 233.527	409291.7	409724.5	3.705 mg/L	185.3 ppm	
3 Be 313.107	433798.0	436098.7	0.1761 mg/L	8.804 ppm	
3 Ca 227.547	1484.5	1516.9	18.43 mg/L	921.5 ppm	
3 Cd 228.802	9784.3	9658.4	0.2330 mg/L	11.65 ppm	
3 Co 228.616	32844.4	32772.9	0.9011 mg/L	45.06 ppm	
3 Cr 267.716	42160.2	42223.1	0.9202 mg/L	46.01 ppm	
3 Cu 324.754	101742.2	101193.7	0.8896 mg/L	44.48 ppm	
3 Fe 273.955	19228.5	19408.2	0.9026 mg/L	45.13 ppm	
3 K 766.491	277554.0	271466.7	5.161 mg/L	258.1 ppm	
3 Mg 279.079	82425.3	83440.4	8.537 mg/L	426.9 ppm	
3 Mn 257.610	352886.8	356270.1	0.8319 mg/L	41.59 ppm	
3 Mo 202.030	26336.8	26451.2	1.925 mg/L	96.26 ppm	
3 Na 330.237	16722.1	15488.1	35.91 mg/L	1795 ppm	
3 Ni 231.604	36306.4	36359.5	0.9040 mg/L	45.20 ppm	
3 Pb 220.353	41563.0	41228.5	2.857 mg/L	142.8 ppm	
3 Sb 206.833	1189.4	1158.7	0.4633 mg/L	23.16 ppm	
3 Se 196.026	1570.0	1565.6	0.4753 mg/L	23.76 ppm	
3 Tl 190.800	1581.8	1615.6	0.5106 mg/L	25.53 ppm	
3 V 292.402	181181.5	180898.9	1.792 mg/L	89.61 ppm	
3 Zn 213.856	24932.7	24976.4	0.4684 mg/L	23.42 ppm	

Mean Data ----------

ID: LCS-03M1387 Seq. No.: 69 Sample No.: 45 A/S Pos: 54
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/28/03 02:42:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	67160.5	0.8784	0.00758	mg/L	43.92	0.379	ppm	0.86%
Al 308.215	18033.2	1.929	0.0204	mg/L	96.45	1.020	ppm	1.06%
As 188.979	1322.4	0.4797	0.00719	mg/L	23.99	0.360	ppm	1.50%
Ba 233.527	416536.9	3.767	0.0617	mg/L	188.3	3.08	ppm	1.64%
Be 313.107	440244.1	0.1778	0.00200	mg/L	8.888	0.0998	ppm	1.12%
Ca 227.547	1526.1	18.54	0.607	mg/L	927.1	30.37	ppm	3.28%
Cd 228.802	9629.4	0.2323	0.00061	mg/L	11.61	0.030	ppm	0.26%
Co 228.616	32747.7	0.9004	0.00134	mg/L	45.02	0.067	ppm	0.15%
Cr 267.716	42474.1	0.9256	0.00707	mg/L	46.28	0.354	ppm	0.76%
Cu 324.754	101776.8	0.8947	0.00764	mg/L	44.74	0.382	ppm	0.85%
Fe 273.955	19295.6	0.8973	0.00497	mg/L	44.87	0.249	ppm	0.55%
K 766.491	265838.8	5.060	0.0879	mg/L	253.0	4.40	ppm	1.74%
Mg 279.079	84452.4	8.641	0.1082	mg/L	432.0	5.41	ppm	1.25%
Mn 257.610	361595.1	0.8443	0.01238	mg/L	42.22	0.619	ppm	1.47%
Mo 202.030	26175.8	1.905	0.0202	mg/L	95.26	1.012	ppm	1.06%
Na 330.237	15760.8	36.51	0.592	mg/L	1826	29.6	ppm	1.62%
Ni 231.604	35942.2	0.8936	0.01070	mg/L	44.68	0.535	ppm	1.20%
Pb 220.353	41055.1	2.845	0.0166	mg/L	142.2	0.83	ppm	0.58%
Sb 206.833	1195.2	0.4779	0.01775	mg/L	23.89	0.887	ppm	3.71%
Se 196.026	1565.4	0.4753	0.01282	mg/L	23.76	0.641	ppm	2.70%
Tl 190.800	1576.3	0.4983	0.01133	mg/L	24.91	0.566	ppm	2.27%
V 292.402	182185.1	1.805	0.0156	mg/L	90.25	0.778	ppm	0.86%
Zn 213.856	24777.7	0.4647	0.00515	mg/L	23.23	0.258	ppm	1.11%

Matrix Check Sample: LCS-03M1387

	Expected	Measured	Calib

Element	Conc.	Conc.	Std.Dev.	Units	% Recovery
Ag 328.068	0.9995	0.8784	0.008	mg/L	87.886
Al 308.215	2.002	1.929	0.020	mg/L	96.337
As 188.979	0.4985	0.4797	0.007	mg/L	96.252
Ba 233.527	4.000	3.767	0.062	mg/L	94.169
Be 313.107	0.2000	0.1778	0.002	mg/L	88.868
Ca 227.547	19.92	18.54	0.607	mg/L	93.084
Cd 228.802	0.2499	0.2323	0.001	mg/L	92.953
Co 228.616	0.9998	0.9004	0.001	mg/L	90.060
Cr 267.716	1.0000	0.9256	0.007	mg/L	92.565
Cu 324.754	1.0000	0.8947	0.008	mg/L	89.478
Fe 273.955	1.001	0.8973	0.005	mg/L	89.586
K 766.491	5.065	5.060	0.088	mg/L	99.904
Mg 279.079	10.00	8.641	0.108	mg/L	86.401
Mn 257.610	1.000	0.8443	0.012	mg/L	84.401
Mo 202.030	2.000	1.905	0.020	mg/L	95.249
Na 330.237	40.47	36.51	0.592	mg/L	90.102
Ni 231.604	1.000	0.8936	0.011	mg/L	89.355
Pb 220.353	2.999	2.845	0.017	mg/L	94.868
Sb 206.833	0.4979	0.4779	0.018	mg/L	96.007
Se 196.026	0.4992	0.4753	0.013	mg/L	95.206
Tl 190.800	0.5015	0.4983	0.011	mg/L	99.356
V 292.402	2.000	1.805	0.016	mg/L	90.255
Zn 213.856	0.5000	0.4647	0.005	mg/L	92.937

Replicate Data ----------

ID: LCSD-03M1387 Date: 04/28/03 02:45:12 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	65312.0	65732.5	0.8597	mg/L	42.98	ppm
1	Al 308.215	19015.5	18572.9	1.987	mg/L	99.34	ppm
1	As 188.979	1357.0	1367.3	0.4958	mg/L	24.79	ppm
1	Ba 233.527	410308.9	410741.8	3.714	mg/L	185.7	ppm
1	Be 313.107	430997.5	433298.3	0.1750	mg/L	8.748	ppm
1	Ca 227.547	1488.0	1520.4	18.47	mg/L	923.6	ppm
1	Cd 228.802	9967.1	9841.2	0.2374	mg/L	11.87	ppm
1	Co 228.616	33555.6	33484.1	0.9207	mg/L	46.03	ppm
1	Cr 267.716	41665.5	41728.4	0.9094	mg/L	45.47	ppm
1	Cu 324.754	100720.0	100171.5	0.8806	mg/L	44.03	ppm
1	Fe 273.955	19684.1	19863.8	0.9241	mg/L	46.21	ppm
1	K 766.491	263797.6	257710.4	4.913	mg/L	245.6	ppm
1	Mg 279.079	82111.1	83126.2	8.505	mg/L	425.3	ppm
1	Mn 257.610	353149.3	356532.5	0.8325	mg/L	41.62	ppm
1	Mo 202.030	26668.9	26783.3	1.949	mg/L	97.47	ppm
1	Na 330.237	16866.8	15632.7	36.23	mg/L	1812	ppm
1	Ni 231.604	36796.5	36849.6	0.9161	mg/L	45.81	ppm
1	Pb 220.353	42284.0	41949.5	2.907	mg/L	145.3	ppm
1	Sb 206.833	1206.1	1175.3	0.4699	mg/L	23.50	ppm
1	Se 196.026	1658.9	1654.4	0.5023	mg/L	25.11	ppm
1	Tl 190.800	1514.3	1548.1	0.4894	mg/L	24.47	ppm
1	V 292.402	179467.6	179185.0	1.775	mg/L	88.77	ppm
1	Zn 213.856	25474.5	25518.2	0.4785	mg/L	23.93	ppm
2	Ag 328.068	65747.3	66167.8	0.8654	mg/L	43.27	ppm
2	Al 308.215	19288.2	18845.6	2.016	mg/L	100.8	ppm
2	As 188.979	1442.7	1453.0	0.5266	mg/L	26.33	ppm
2	Ba 233.527	409002.1	409434.9	3.703	mg/L	185.1	ppm
2	Be 313.107	431722.2	434022.9	0.1752	mg/L	8.762	ppm
2	Ca 227.547	1582.2	1614.6	19.62	mg/L	980.8	ppm
2	Cd 228.802	10063.4	9937.5	0.2397	mg/L	11.99	ppm
2	Co 228.616	34061.6	33990.2	0.9346	mg/L	46.73	ppm
2	Cr 267.716	41609.9	41672.8	0.9082	mg/L	45.41	ppm
2	Cu 324.754	101110.6	100562.1	0.8841	mg/L	44.20	ppm
2	Fe 273.955	19848.0	20027.6	0.9317	mg/L	46.59	ppm
2	K 766.491	267188.7	261101.4	4.974	mg/L	248.7	ppm
2	Mg 279.079	82184.4	83199.5	8.513	mg/L	425.6	ppm
2	Mn 257.610	353224.7	356607.9	0.8327	mg/L	41.63	ppm
2	Mo 202.030	27127.1	27241.5	1.983	mg/L	99.13	ppm
2	Na 330.237	16657.7	15423.6	35.77	mg/L	1788	ppm
2	Ni 231.604	37373.6	37426.7	0.9305	mg/L	46.52	ppm
2	Pb 220.353	42857.5	42523.0	2.946	mg/L	147.3	ppm