Method: 23ME
Results: 03M1385L
Sample Info: 03m13851
Method Description: 6010B/200.7 23ME ICP-L 4/16/03

IEC: 03miecl.iec
Spectra Stored: Yes
User: L9708A

MSF:
Method Stored: Yes
Date: 04/28/03 11:05:43 AM

Replicate Data
ID: Calib Blank
Date: 04/28/03 11:06:58 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	-241.2	-241.2	0	mg/L
1	Al 308.215	546.1	546.1	0	mg/L
1	As 188.979	-16.0	-16.0	0	mg/L
1	Ba 233.527	-429.8	-429.8	0	mg/L
1	Be 313.107	-2418.3	-2418.3	0	mg/L
1	Ca 227.547	-26.7	-26.7	0	mg/L
1	Cd 228.802	113.7	113.7	0	mg/L
1	Co 228.616	67.0	67.0	0	mg/L
1	Cr 267.716	-55.2	-55.2	0	mg/L
1	Cu 324.754	423.1	423.1	0	mg/L
1	Fe 273.955	-173.9	-173.9	0	mg/L
1	K 766.491	6057.4	6057.4	0	mg/L
1	Mg 279.079	-1015.1	-1015.1	0	mg/L
1	Mn 257.610	-3322.3	-3322.3	0	mg/L
1	Mo 202.030	-109.8	-109.8	0	mg/L
1	Na 330.237	1098.5	1098.5	0	mg/L
1	Ni 231.604	-60.2	-60.2	0	mg/L
1	Pb 220.353	351.1	351.1	0	mg/L
1	Sb 206.833	28.8	28.8	0	mg/L
1	Se 196.026	9.0	9.0	0	mg/L
1	Tl 190.800	-33.6	-33.6	0	mg/L
1	V 292.402	82.3	82.3	0	mg/L
1	Zn 213.856	-44.5	-44.5	0	mg/L
2	Ag 328.068	-322.3	-322.3	0	mg/L
2	Al 308.215	370.1	370.1	0	mg/L
2	As 188.979	-15.3	-15.3	0	mg/L
2	Ba 233.527	-426.7	-426.7	0	mg/L
2	Be 313.107	-2338.9	-2338.9	0	mg/L
2	Ca 227.547	-40.2	-40.2	0	mg/L
2	Cd 228.802	109.3	109.3	0	mg/L
2	Co 228.616	73.0	73.0	0	mg/L
2	Cr 267.716	-64.5	-64.5	0	mg/L
2	Cu 324.754	461.9	461.9	0	mg/L
2	Fe 273.955	-165.9	-165.9	0	mg/L
2	K 766.491	5865.3	5865.3	0	mg/L
2	Mg 279.079	-1147.3	-1147.3	0	mg/L
2	Mn 257.610	-3343.1	-3343.1	0	mg/L
2	Mo 202.030	-115.9	-115.9	0	mg/L
2	Na 330.237	1046.5	1046.5	0	mg/L
2	Ni 231.604	-36.9	-36.9	0	mg/L
2	Pb 220.353	316.8	316.8	0	mg/L
2	Sb 206.833	34.5	34.5	0	mg/L
2	Se 196.026	-1.9	-1.9	0	mg/L
2	Tl 190.800	-39.4	-39.4	0	mg/L
2	V 292.402	221.3	221.3	0	mg/L
2	Zn 213.856	-53.1	-53.1	0	mg/L
3	Ag 328.068	-358.4	-358.4	0	mg/L
3	Al 308.215	442.0	442.0	0	mg/L
3	As 188.979	-26.2	-26.2	0	mg/L
3	Ba 233.527	-427.8	-427.8	0	mg/L
3	Be 313.107	-2396.9	-2396.9	0	mg/L
3	Ca 227.547	-37.1	-37.1	0	mg/L
3	Cd 228.802	117.9	117.9	0	mg/L
3	Co 228.616	74.8	74.8	0	mg/L
3	Cr 267.716	-62.9	-62.9	0	mg/L
3	Cu 324.754	485.1	485.1	0	mg/L
3	Fe 273.955	-160.5	-160.5	0	mg/L
3	K 766.491	5958.8	5958.8	0	mg/L

3 Mg 279.079	-1091.4	-1091.4	0	mg/L
3 Mn 257.610	-3371.5	-3371.5	0	mg/L
3 Mo 202.030	-109.6	-109.6	0	mg/L
3 Na 330.237	1240.7	1240.7	0	mg/L
3 Ni 231.604	-55.8	-55.8	0	mg/L
3 Pb 220.353	328.4	328.4	0	mg/L
3 Sb 206.833	32.6	32.6	0	mg/L
3 Se 196.026	-11.6	-11.6	0	mg/L
3 Tl 190.800	-33.8	-33.8	0	mg/L
3 V 292.402	314.4	314.4	0	mg/L
3 Zn 213.856	-53.0	-53.0	0	mg/L

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

ID: Calib Blank Seq. No.: 1 A/S Pos: 1
Data: Original Date: 04/28/03 11:06:58 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-307.3	60.06	19.55%	0	mg/L
Al 308.215	452.7	88.51	19.55%	0	mg/L
As 188.979	-19.1	6.13	32.00%	0	mg/L
Ba 233.527	-428.1	1.60	0.37%	0	mg/L
Be 313.107	-2384.7	41.07	1.72%	0	mg/L
Ca 227.547	-34.7	7.09	20.44%	0	mg/L
Cd 228.802	113.7	4.29	3.78%	0	mg/L
Co 228.616	71.6	4.10	5.72%	0	mg/L
Cr 267.716	-60.8	4.97	8.17%	0	mg/L
Cu 324.754	456.7	31.37	6.87%	0	mg/L
Fe 273.955	-166.7	6.75	4.05%	0	mg/L
K 766.491	5960.5	96.09	1.61%	0	mg/L
Mg 279.079	-1084.6	66.40	6.12%	0	mg/L
Mn 257.610	-3345.7	24.72	0.74%	0	mg/L
Mo 202.030	-111.8	3.54	3.17%	0	mg/L
Na 330.237	1128.5	100.53	8.91%	0	mg/L
Ni 231.604	-51.0	12.40	24.32%	0	mg/L
Pb 220.353	332.1	17.46	5.26%	0	mg/L
Sb 206.833	32.0	2.89	9.04%	0	mg/L
Se 196.026	-1.5	10.29	686.25%	0	mg/L
Tl 190.800	-35.6	3.27	9.17%	0	mg/L
V 292.402	206.0	116.78	56.69%	0	mg/L
Zn 213.856	-50.2	4.93	9.83%	0	mg/L

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

ID: STD1 1423A Date: 04/28/03 11:10:11 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	153009.6	153316.9	2.0000	mg/L
1	Al 308.215	93489.9	93037.1	10.00	mg/L
1	As 188.979	2650.8	2669.9	1.000	mg/L
1	Ba 233.527	1107570.6	1107998.7	10.0000	mg/L
1	Be 313.107	2533701.5	2536086.2	1.00000	mg/L
1	Ca 227.547	7961.7	7996.4	100.0	mg/L
1	Cd 228.802	82307.4	82193.7	2.000	mg/L
1	Co 228.616	144537.7	144466.0	4.0000	mg/L
1	Cr 267.716	45924.2	45985.1	1.0000	mg/L
1	Cu 324.754	454952.3	454495.6	4.0000	mg/L
1	Fe 273.955	211472.0	211638.8	10.00	mg/L
1	K 766.491	1961002.6	1955042.1	30.00	mg/L
1	Mg 279.079	482835.3	483919.9	50.00	mg/L
1	Mn 257.610	1702521.4	1705867.1	4.0000	mg/L
1	Mo 202.030	54777.2	54889.0	4.000	mg/L
1	Na 330.237	98847.8	97719.3	200.0	mg/L
1	Ni 231.604	158959.3	159010.3	4.0000	mg/L
1	Pb 220.353	14204.3	13872.2	1.000	mg/L
1	Sb 206.833	9600.3	9568.3	4.000	mg/L
1	Se 196.026	3075.3	3076.8	1.000	mg/L
1	Tl 190.800	3040.6	3076.2	1.000	mg/L
1	V 292.402	402116.1	401910.1	4.0000	mg/L
1	Zn 213.856	209730.3	209780.4	4.000	mg/L
2	Ag 328.068	152891.2	153198.5	2.0000	mg/L

2	Al 308.215	93468.8	93016.1	10.00 mg/L
2	As 188.979	2844.4	2863.5	1.000 mg/L
2	Ba 233.527	1107013.5	1107441.6	10.0000 mg/L
2	Be 313.107	2480042.6	2482427.3	1.00000 mg/L
2	Ca 227.547	8429.9	8464.6	100.0 mg/L
2	Cd 228.802	83061.1	82947.5	2.000 mg/L
2	Co 228.616	145241.9	145170.3	4.0000 mg/L
2	Cr 267.716	45998.7	46059.6	1.0000 mg/L
2	Cu 324.754	456822.8	456366.1	4.0000 mg/L
2	Fe 273.955	212326.4	212493.1	10.00 mg/L
2	K 766.491	1893063.8	1887103.3	30.00 mg/L
2	Mg 279.079	488326.1	489410.7	50.00 mg/L
2	Mn 257.610	1711204.4	1714550.0	4.0000 mg/L
2	Mo 202.030	55217.2	55329.0	4.000 mg/L
2	Na 330.237	98983.6	97855.1	200.0 mg/L
2	Ni 231.604	160207.8	160258.8	4.0000 mg/L
2	Pb 220.353	15105.7	14773.6	1.000 mg/L
2	Sb 206.833	10384.7	10352.7	4.000 mg/L
2	Se 196.026	3477.5	3479.0	1.000 mg/L
2	Tl 190.800	3237.9	3273.6	1.000 mg/L
2	V 292.402	402490.5	402284.5	4.0000 mg/L
2	Zn 213.856	211924.8	211974.9	4.000 mg/L
3	Ag 328.068	157036.2	157343.5	2.0000 mg/L
3	Al 308.215	95783.4	95330.6	10.00 mg/L
3	As 188.979	2843.8	2863.0	1.000 mg/L
3	Ba 233.527	1132669.8	1133097.9	10.0000 mg/L
3	Be 313.107	2439993.6	2442378.3	1.00000 mg/L
3	Ca 227.547	8374.2	8408.9	100.0 mg/L
3	Cd 228.802	85368.0	85254.4	2.000 mg/L
3	Co 228.616	149322.4	149250.8	4.0000 mg/L
3	Cr 267.716	47319.5	47380.3	1.0000 mg/L
3	Cu 324.754	470369.9	469913.2	4.0000 mg/L
3	Fe 273.955	217968.6	218135.3	10.00 mg/L
3	K 766.491	1902842.7	1896882.2	30.00 mg/L
3	Mg 279.079	498251.1	499335.7	50.00 mg/L
3	Mn 257.610	1755816.8	1759162.4	4.0000 mg/L
3	Mo 202.030	56781.8	56893.6	4.000 mg/L
3	Na 330.237	101367.4	100238.9	200.0 mg/L
3	Ni 231.604	164590.6	164641.6	4.0000 mg/L
3	Pb 220.353	15099.0	14766.9	1.000 mg/L
3	Sb 206.833	10327.9	10295.9	4.000 mg/L
3	Se 196.026	3324.5	3326.0	1.000 mg/L
3	Tl 190.800	3210.8	3246.4	1.000 mg/L
3	V 292.402	413384.2	413178.2	4.0000 mg/L
3	Zn 213.856	218432.1	218482.3	4.000 mg/L

Mean Data

ID: STD1 1423A Seq. No.: 2 A/S Pos: 2
Data: Original Date: 04/28/03 11:10:11 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	154619.6	2359.66	1.53%	2.0000	mg/L
Al 308.215	93794.6	1330.27	1.42%	10.00	mg/L
As 188.979	2798.8	111.61	3.99%	1.000	mg/L
Ba 233.527	1116179.4	14654.47	1.31%	10.0000	mg/L
Be 313.107	2486963.9	47018.36	1.89%	1.00000	mg/L
Ca 227.547	8290.0	255.75	3.09%	100.0	mg/L
Cd 228.802	83465.2	1594.65	1.91%	2.000	mg/L
Co 228.616	146295.7	2583.27	1.77%	4.0000	mg/L
Cr 267.716	46475.0	784.93	1.69%	1.0000	mg/L
Cu 324.754	460258.3	8413.54	1.83%	4.0000	mg/L
Fe 273.955	214089.1	3530.07	1.65%	10.00	mg/L
K 766.491	1913009.2	36728.48	1.92%	30.00	mg/L
Mg 279.079	490888.8	7813.45	1.59%	50.00	mg/L
Mn 257.610	1726526.5	28595.02	1.66%	4.0000	mg/L
Mo 202.030	55703.9	1053.56	1.89%	4.000	mg/L
Na 330.237	98604.4	1417.11	1.44%	200.0	mg/L
Ni 231.604	161303.6	2957.44	1.83%	4.0000	mg/L
Pb 220.353	14470.9	518.48	3.58%	1.000	mg/L
Sb 206.833	10072.3	437.38	4.34%	4.000	mg/L
Se 196.026	3293.9	203.02	6.16%	1.000	mg/L

Tl 190.800	3198.7	106.95	3.34%	1.000 mg/L
V 292.402	405790.9	6400.32	1.58%	4.0000 mg/L
Zn 213.856	213412.6	4525.55	2.12%	4.000 mg/L

Replicate Data

ID: STD2 1423B Date: 04/28/03 11:12:49 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	74537.1	74844.5	1.0000	mg/L
1	Al 308.215	47325.0	46872.3	5.000	mg/L
1	As 188.979	1289.2	1308.3	0.500	mg/L
1	Ba 233.527	546490.2	546918.3	5.0000	mg/L
1	Be 313.107	1242026.3	1244411.0	0.50000	mg/L
1	Ca 227.547	3955.3	3990.0	50.00	mg/L
1	Cd 228.802	41345.3	41231.7	1.000	mg/L
1	Co 228.616	72928.0	72856.4	2.0000	mg/L
1	Cr 267.716	22012.0	22072.9	0.5000	mg/L
1	Cu 324.754	223632.9	223176.2	2.0000	mg/L
1	Fe 273.955	106246.8	106413.5	5.000	mg/L
1	K 766.491	867208.3	861247.8	15.00	mg/L
1	Mg 279.079	244080.1	245164.7	25.000	mg/L
1	Mn 257.610	848994.9	852340.6	2.0000	mg/L
1	Mo 202.030	26107.4	26219.2	2.000	mg/L
1	Na 330.237	47865.8	46737.3	100.0	mg/L
1	Ni 231.604	80945.1	80996.1	2.0000	mg/L
1	Pb 220.353	7529.3	7197.2	0.500	mg/L
1	Sb 206.833	4912.4	4880.4	2.000	mg/L
1	Se 196.026	1623.4	1624.9	0.5000	mg/L
1	Tl 190.800	1519.7	1555.4	0.500	mg/L
1	V 292.402	201545.5	201339.4	2.0000	mg/L
1	Zn 213.856	107581.3	107631.4	2.000	mg/L
2	Ag 328.068	73201.6	73508.9	1.0000	mg/L
2	Al 308.215	46378.8	45926.0	5.000	mg/L
2	As 188.979	1354.5	1373.7	0.500	mg/L
2	Ba 233.527	535239.3	535667.4	5.0000	mg/L
2	Be 313.107	1214292.9	1216677.6	0.50000	mg/L
2	Ca 227.547	4051.2	4085.9	50.00	mg/L
2	Cd 228.802	40348.4	40234.8	1.000	mg/L
2	Co 228.616	71081.7	71010.1	2.0000	mg/L
2	Cr 267.716	21991.4	22052.2	0.5000	mg/L
2	Cu 324.754	218663.3	218206.6	2.0000	mg/L
2	Fe 273.955	104018.9	104185.6	5.000	mg/L
2	K 766.491	864594.3	858633.9	15.00	mg/L
2	Mg 279.079	239064.0	240148.6	25.000	mg/L
2	Mn 257.610	830143.2	833488.9	2.0000	mg/L
2	Mo 202.030	26155.2	26266.9	2.000	mg/L
2	Na 330.237	46798.8	45670.3	100.0	mg/L
2	Ni 231.604	79050.9	79101.9	2.0000	mg/L
2	Pb 220.353	7426.1	7094.0	0.500	mg/L
2	Sb 206.833	4899.5	4867.5	2.000	mg/L
2	Se 196.026	1645.5	1647.0	0.5000	mg/L
2	Tl 190.800	1504.4	1540.0	0.500	mg/L
2	V 292.402	197817.5	197611.4	2.0000	mg/L
2	Zn 213.856	105174.5	105224.7	2.000	mg/L
3	Ag 328.068	74496.0	74803.3	1.0000	mg/L
3	Al 308.215	46880.7	46427.9	5.000	mg/L
3	As 188.979	1380.0	1399.1	0.500	mg/L
3	Ba 233.527	538702.5	539130.6	5.0000	mg/L
3	Be 313.107	1230928.9	1233313.6	0.50000	mg/L
3	Ca 227.547	4000.3	4035.0	50.00	mg/L
3	Cd 228.802	40992.6	40878.9	1.000	mg/L
3	Co 228.616	71836.6	71765.0	2.0000	mg/L
3	Cr 267.716	22132.3	22193.2	0.5000	mg/L
3	Cu 324.754	222228.3	221771.7	2.0000	mg/L
3	Fe 273.955	105042.9	105209.6	5.000	mg/L
3	K 766.491	884662.8	878702.3	15.00	mg/L
3	Mg 279.079	242290.1	243374.7	25.000	mg/L
3	Mn 257.610	836583.2	839928.9	2.0000	mg/L
3	Mo 202.030	26571.0	26682.8	2.000	mg/L

3 Na 330.237	47700.3	46571.8	100.0	mg/L
3 Ni 231.604	80495.5	80546.5	2.0000	mg/L
3 Pb 220.353	7575.2	7243.1	0.500	mg/L
3 Sb 206.833	4954.1	4922.1	2.000	mg/L
3 Se 196.026	1653.0	1654.5	0.5000	mg/L
3 Tl 190.800	1573.6	1609.2	0.500	mg/L
3 V 292.402	200379.3	200173.3	2.0000	mg/L
3 Zn 213.856	107144.4	107194.6	2.000	mg/L

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

ID: STD2 1423B Seq. No.: 3 A/S Pos: 3
Data: Original Date: 04/28/03 11:12:49 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	74385.5	759.48	1.02%	1.0000	mg/L
Al 308.215	46408.7	473.42	1.02%	5.000	mg/L
As 188.979	1360.4	46.85	3.44%	0.500	mg/L
Ba 233.527	540572.1	5762.33	1.07%	5.0000	mg/L
Be 313.107	1231467.4	13958.56	1.13%	0.50000	mg/L
Ca 227.547	4037.0	47.98	1.19%	50.00	mg/L
Cd 228.802	40781.8	505.50	1.24%	1.000	mg/L
Co 228.616	71877.2	928.25	1.29%	2.0000	mg/L
Cr 267.716	22106.1	76.12	0.34%	0.5000	mg/L
Cu 324.754	221051.5	2561.89	1.16%	2.0000	mg/L
Fe 273.955	105269.6	1115.18	1.06%	5.000	mg/L
K 766.491	866194.7	10910.52	1.26%	15.00	mg/L
Mg 279.079	242896.0	2542.10	1.05%	25.000	mg/L
Mn 257.610	841919.4	9582.21	1.14%	2.0000	mg/L
Mo 202.030	26389.6	254.98	0.97%	2.000	mg/L
Na 330.237	46326.4	574.24	1.24%	100.0	mg/L
Ni 231.604	80214.8	989.70	1.23%	2.0000	mg/L
Pb 220.353	7178.1	76.33	1.06%	0.500	mg/L
Sb 206.833	4890.0	28.54	0.58%	2.000	mg/L
Se 196.026	1642.1	15.42	0.94%	0.5000	mg/L
Tl 190.800	1568.2	36.35	2.32%	0.500	mg/L
V 292.402	199708.1	1907.05	0.95%	2.0000	mg/L
Zn 213.856	106683.6	1282.18	1.20%	2.000	mg/L

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

ID: STD3 1423C Date: 04/28/03 11:15:40 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	36109.2	36416.5	0.5000	mg/L
1	Al 308.215	23899.7	23446.9	2.500	mg/L
1	As 188.979	678.5	697.6	0.250	mg/L
1	Ba 233.527	267940.2	268368.3	2.5000	mg/L
1	Be 313.107	605569.3	607954.0	0.25000	mg/L
1	Ca 227.547	1993.4	2028.0	25.00	mg/L
1	Cd 228.802	20323.0	20209.4	0.500	mg/L
1	Co 228.616	35828.8	35757.2	1.0000	mg/L
1	Cr 267.716	11039.2	11100.0	0.2500	mg/L
1	Cu 324.754	108294.6	107837.9	1.0000	mg/L
1	Fe 273.955	52302.1	52468.8	2.500	mg/L
1	K 766.491	395778.7	389818.2	7.500	mg/L
1	Mg 279.079	118367.4	119452.0	12.500	mg/L
1	Mn 257.610	413186.3	416531.9	1.0000	mg/L
1	Mo 202.030	13110.9	13222.6	1.000	mg/L
1	Na 330.237	22892.7	21764.1	50.00	mg/L
1	Ni 231.604	39725.0	39775.9	1.0000	mg/L
1	Pb 220.353	3927.8	3595.7	0.250	mg/L
1	Sb 206.833	2503.9	2471.9	1.000	mg/L
1	Se 196.026	849.9	851.4	0.250	mg/L
1	Tl 190.800	751.9	787.5	0.250	mg/L
1	V 292.402	99371.1	99165.1	1.0000	mg/L
1	Zn 213.856	53365.3	53415.4	1.000	mg/L
2	Ag 328.068	34851.0	35158.4	0.5000	mg/L
2	Al 308.215	22889.4	22436.7	2.500	mg/L
2	As 188.979	670.3	689.5	0.250	mg/L
2	Ba 233.527	254854.9	255283.0	2.5000	mg/L

2	Be 313.107	581764.4	584149.1	0.25000 mg/L
2	Ca 227.547	1938.1	1972.8	25.00 mg/L
2	Cd 228.802	19774.5	19660.9	0.500 mg/L
2	Co 228.616	34503.5	34431.9	1.0000 mg/L
2	Cr 267.716	10681.6	10742.4	0.2500 mg/L
2	Cu 324.754	104950.9	104494.2	1.0000 mg/L
2	Fe 273.955	50363.9	50530.6	2.500 mg/L
2	K 766.491	402592.0	396631.6	7.500 mg/L
2	Mg 279.079	113383.0	114467.6	12.500 mg/L
2	Mn 257.610	394627.0	397972.7	1.0000 mg/L
2	Mo 202.030	12766.0	12877.8	1.000 mg/L
2	Na 330.237	21841.7	20713.1	50.00 mg/L
2	Ni 231.604	38772.9	38823.9	1.0000 mg/L
2	Pb 220.353	3841.1	3509.0	0.250 mg/L
2	Sb 206.833	2446.9	2415.0	1.000 mg/L
2	Se 196.026	836.4	837.9	0.250 mg/L
2	Tl 190.800	729.6	765.2	0.250 mg/L
2	V 292.402	96061.2	95855.2	1.0000 mg/L
2	Zn 213.856	52365.4	52415.6	1.000 mg/L
3	Ag 328.068	34903.4	35210.7	0.5000 mg/L
3	Al 308.215	22970.5	22517.8	2.500 mg/L
3	As 188.979	651.3	670.4	0.250 mg/L
3	Ba 233.527	254545.8	254973.9	2.5000 mg/L
3	Be 313.107	580003.7	582388.4	0.25000 mg/L
3	Ca 227.547	1897.4	1932.1	25.00 mg/L
3	Cd 228.802	19866.3	19752.7	0.500 mg/L
3	Co 228.616	34372.8	34301.2	1.0000 mg/L
3	Cr 267.716	10480.0	10540.9	0.2500 mg/L
3	Cu 324.754	105064.4	104607.7	1.0000 mg/L
3	Fe 273.955	50546.1	50712.8	2.500 mg/L
3	K 766.491	401573.7	395613.2	7.500 mg/L
3	Mg 279.079	113588.3	114672.9	12.500 mg/L
3	Mn 257.610	393809.2	397154.9	1.0000 mg/L
3	Mo 202.030	12610.4	12722.2	1.000 mg/L
3	Na 330.237	22257.5	21128.9	50.00 mg/L
3	Ni 231.604	38457.6	38508.6	1.0000 mg/L
3	Pb 220.353	3819.7	3487.6	0.250 mg/L
3	Sb 206.833	2394.1	2362.1	1.000 mg/L
3	Se 196.026	808.3	809.8	0.250 mg/L
3	Tl 190.800	729.6	765.3	0.250 mg/L
3	V 292.402	96108.5	95902.5	1.0000 mg/L
3	Zn 213.856	52494.9	52545.1	1.000 mg/L

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

ID: STD3 1423C Seq. No.: 4 A/S Pos: 4
Data: Original Date: 04/28/03 11:15:40 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	35595.2	711.74	2.00%	0.5000	mg/L
Al 308.215	22800.5	561.31	2.46%	2.500	mg/L
As 188.979	685.8	13.96	2.04%	0.250	mg/L
Ba 233.527	259541.8	7645.58	2.95%	2.5000	mg/L
Be 313.107	591497.2	14279.20	2.41%	0.25000	mg/L
Ca 227.547	1977.7	48.14	2.43%	25.00	mg/L
Cd 228.802	19874.3	293.78	1.48%	0.500	mg/L
Co 228.616	34830.1	805.53	2.31%	1.0000	mg/L
Cr 267.716	10794.5	283.19	2.62%	0.2500	mg/L
Cu 324.754	105646.6	1898.58	1.80%	1.0000	mg/L
Fe 273.955	51237.4	1070.31	2.09%	2.500	mg/L
K 766.491	394021.0	3675.19	0.93%	7.500	mg/L
Mg 279.079	116197.5	2820.35	2.43%	12.500	mg/L
Mn 257.610	403886.5	10958.90	2.71%	1.0000	mg/L
Mo 202.030	12940.9	256.14	1.98%	1.000	mg/L
Na 330.237	21202.1	529.31	2.50%	50.00	mg/L
Ni 231.604	39036.1	659.80	1.69%	1.0000	mg/L
Pb 220.353	3530.7	57.23	1.62%	0.250	mg/L
Sb 206.833	2416.3	54.94	2.27%	1.000	mg/L
Se 196.026	833.0	21.23	2.55%	0.250	mg/L
Tl 190.800	772.7	12.89	1.67%	0.250	mg/L
V 292.402	96974.2	1897.47	1.96%	1.0000	mg/L
Zn 213.856	52792.0	543.75	1.03%	1.000	mg/L

Calibration Summary
Method: 23ME Date: 04/28/03 11:16:46 AM

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: ICV 1447A Date: 04/28/03 11:18:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	150875.0	151182.3	1.985	mg/L		
1	Al 308.215	92229.2	91776.5	9.817	mg/L		
1	As 188.979	2943.8	2962.9	1.070	mg/L		
1	Ba 233.527	1093402.5	1093830.6	9.892	mg/L		
1	Be 313.107	2487544.0	2489928.7	1.005	mg/L		
1	Ca 227.547	8737.8	8772.5	106.6	mg/L		
1	Cd 228.802	81574.8	81461.2	1.965	mg/L		
1	Co 228.616	142796.8	142725.2	3.924	mg/L		
1	Cr 267.716	45103.9	45164.7	0.9843	mg/L		
1	Cu 324.754	449652.6	449195.9	3.949	mg/L		
1	Fe 273.955	209291.3	209458.0	9.814	mg/L		
1	K 766.491	1893795.6	1887835.1	29.66	mg/L		
1	Mg 279.079	479283.9	480368.6	49.15	mg/L		
1	Mn 257.610	1684904.4	1688250.0	3.942	mg/L		
1	Mo 202.030	53976.8	54088.5	3.937	mg/L		
1	Na 330.237	97571.9	96443.4	196.0	mg/L		
1	Ni 231.604	157327.1	157378.1	3.913	mg/L		
1	Pb 220.353	15614.7	15282.6	1.059	mg/L		
1	Sb 206.833	10716.8	10684.8	4.279	mg/L		
1	Se 196.026	3442.1	3443.6	1.045	mg/L		
1	Tl 190.800	3310.3	3345.9	1.058	mg/L		
1	V 292.402	396737.2	396531.1	3.929	mg/L		
1	Zn 213.856	208188.8	208239.0	3.905	mg/L		
2	Ag 328.068	153457.4	153764.8	2.019	mg/L		
2	Al 308.215	93469.0	93016.2	9.950	mg/L		
2	As 188.979	2773.1	2792.2	1.009	mg/L		
2	Ba 233.527	1102835.7	1103263.8	9.977	mg/L		
2	Be 313.107	2503452.7	2505837.4	1.012	mg/L		
2	Ca 227.547	8280.0	8314.7	101.0	mg/L		
2	Cd 228.802	83111.4	82997.7	2.002	mg/L		
2	Co 228.616	145488.8	145417.2	3.998	mg/L		
2	Cr 267.716	46169.9	46230.8	1.007	mg/L		
2	Cu 324.754	458509.6	458052.9	4.027	mg/L		
2	Fe 273.955	212233.7	212400.5	9.952	mg/L		
2	K 766.491	1892541.4	1886580.9	29.64	mg/L		

2	Mg 279.079	489479.7	490564.3	50.19 mg/L
2	Mn 257.610	1708626.8	1711972.5	3.997 mg/L
2	Mo 202.030	55300.3	55412.1	4.033 mg/L
2	Na 330.237	99050.8	97922.2	198.6 mg/L
2	Ni 231.604	160677.5	160728.5	3.996 mg/L
2	Pb 220.353	15028.0	14695.9	1.018 mg/L
2	Sb 206.833	10381.8	10349.8	4.145 mg/L
2	Se 196.026	3301.8	3303.3	1.003 mg/L
2	Tl 190.800	3196.1	3231.7	1.022 mg/L
2	V 292.402	402662.6	402456.6	3.987 mg/L
2	Zn 213.856	213595.4	213645.6	4.007 mg/L
3	Ag 328.068	155911.7	156219.0	2.051 mg/L
3	Al 308.215	95300.6	94847.9	10.15 mg/L
3	As 188.979	2710.9	2730.0	0.9863 mg/L
3	Ba 233.527	1116419.9	1116848.0	10.10 mg/L
3	Be 313.107	2476209.8	2478594.5	1.001 mg/L
3	Ca 227.547	8172.1	8206.8	99.71 mg/L
3	Cd 228.802	84566.0	84452.4	2.037 mg/L
3	Co 228.616	147782.8	147711.2	4.061 mg/L
3	Cr 267.716	46949.7	47010.6	1.024 mg/L
3	Cu 324.754	466058.1	465601.4	4.093 mg/L
3	Fe 273.955	216108.6	216275.3	10.13 mg/L
3	K 766.491	1865850.6	1859890.1	29.29 mg/L
3	Mg 279.079	497453.7	498538.3	51.01 mg/L
3	Mn 257.610	1732471.3	1735816.9	4.053 mg/L
3	Mo 202.030	56049.5	56161.3	4.087 mg/L
3	Na 330.237	100864.3	99735.8	201.8 mg/L
3	Ni 231.604	163845.6	163896.6	4.075 mg/L
3	Pb 220.353	14650.2	14318.1	0.9921 mg/L
3	Sb 206.833	10020.6	9988.6	4.001 mg/L
3	Se 196.026	3277.9	3279.4	0.9956 mg/L
3	Tl 190.800	3156.2	3191.8	1.010 mg/L
3	V 292.402	409831.8	409625.8	4.058 mg/L
3	Zn 213.856	217628.3	217678.5	4.082 mg/L

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

ID: ICV 1447A Seq. No.: 5 Sample No.: 1 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:18:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	153722.0	2.019	0.0331	mg/L				1.64%
Al 308.215	93213.5	9.971	0.1653	mg/L				1.66%
As 188.979	2828.4	1.022	0.0433	mg/L				4.24%
Ba 233.527	1104647.4	9.990	0.1046	mg/L				1.05%
Be 313.107	2491453.5	1.006	0.0055	mg/L				0.55%
Ca 227.547	8431.3	102.4	3.65	mg/L				3.56%
Cd 228.802	82970.4	2.001	0.0361	mg/L				1.80%
Co 228.616	145284.5	3.995	0.0686	mg/L				1.72%
Cr 267.716	46135.4	1.005	0.0202	mg/L				2.01%
Cu 324.754	457616.7	4.023	0.0722	mg/L				1.79%
Fe 273.955	212711.3	9.967	0.1604	mg/L				1.61%
K 766.491	1878102.0	29.53	0.207	mg/L				0.70%
Mg 279.079	489823.7	50.12	0.932	mg/L				1.86%
Mn 257.610	1712013.1	3.997	0.0555	mg/L				1.39%
Mo 202.030	55220.6	4.019	0.0764	mg/L				1.90%
Na 330.237	98033.8	198.8	2.93	mg/L				1.47%
Ni 231.604	160667.7	3.994	0.0810	mg/L				2.03%
Pb 220.353	14765.5	1.023	0.0337	mg/L				3.29%
Sb 206.833	10341.1	4.142	0.1393	mg/L				3.36%
Se 196.026	3342.1	1.015	0.0269	mg/L				2.65%
Tl 190.800	3256.5	1.030	0.0250	mg/L				2.43%
V 292.402	402871.2	3.992	0.0650	mg/L				1.63%
Zn 213.856	213187.7	3.998	0.0888	mg/L				2.22%

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

ID: ICB Date: 04/28/03 11:25:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units

1	Ag 328.068	-372.9	-65.6	-0.0009 mg/L
1	Al 308.215	528.6	75.8	0.0081 mg/L
1	As 188.979	-14.6	4.5	0.0016 mg/L
1	Ba 233.527	-419.1	9.0	0.0001 mg/L
1	Be 313.107	-2512.0	-127.3	-0.0001 mg/L
1	Ca 227.547	-40.7	-6.0	-0.0735 mg/L
1	Cd 228.802	136.0	22.4	0.0005 mg/L
1	Co 228.616	71.7	0.1	0.0000 mg/L
1	Cr 267.716	-55.3	5.5	0.0001 mg/L
1	Cu 324.754	463.2	6.5	0.0001 mg/L
1	Fe 273.955	-188.9	-22.2	-0.0010 mg/L
1	K 766.491	6445.3	484.8	0.0799 mg/L
1	Mg 279.079	-1133.9	-49.3	-0.0050 mg/L
1	Mn 257.610	-3404.3	-58.6	-0.0001 mg/L
1	Mo 202.030	-112.7	-1.0	-0.0001 mg/L
1	Na 330.237	1383.1	254.6	1.219 mg/L
1	Ni 231.604	-95.1	-44.1	-0.0011 mg/L
1	Pb 220.353	362.7	30.6	0.0021 mg/L
1	Sb 206.833	36.3	4.3	0.0017 mg/L
1	Se 196.026	-5.8	-4.3	-0.0013 mg/L
1	Tl 190.800	-39.1	-3.4	-0.0011 mg/L
1	V 292.402	247.8	41.8	0.0004 mg/L
1	Zn 213.856	-41.7	8.5	0.0002 mg/L
2	Ag 328.068	-353.2	-45.8	-0.0006 mg/L
2	Al 308.215	612.8	160.1	0.0171 mg/L
2	As 188.979	-20.1	-1.0	-0.0004 mg/L
2	Ba 233.527	-395.3	32.8	0.0003 mg/L
2	Be 313.107	-2280.7	104.0	0.0000 mg/L
2	Ca 227.547	-33.3	1.4	0.0174 mg/L
2	Cd 228.802	127.0	13.3	0.0003 mg/L
2	Co 228.616	71.8	0.2	0.0000 mg/L
2	Cr 267.716	-63.2	-2.3	-0.0001 mg/L
2	Cu 324.754	501.1	44.4	0.0004 mg/L
2	Fe 273.955	-168.4	-1.7	-0.0001 mg/L
2	K 766.491	6302.1	341.6	0.0771 mg/L
2	Mg 279.079	-1134.8	-50.2	-0.0051 mg/L
2	Mn 257.610	-3429.9	-84.3	-0.0002 mg/L
2	Mo 202.030	-118.4	-6.6	-0.0005 mg/L
2	Na 330.237	1327.8	199.3	1.089 mg/L
2	Ni 231.604	-70.6	-19.6	-0.0005 mg/L
2	Pb 220.353	350.4	18.3	0.0013 mg/L
2	Sb 206.833	55.3	23.3	0.0093 mg/L
2	Se 196.026	1.4	2.9	0.0009 mg/L
2	Tl 190.800	-47.1	-11.5	-0.0036 mg/L
2	V 292.402	336.4	130.4	0.0013 mg/L
2	Zn 213.856	-36.4	13.8	0.0003 mg/L
3	Ag 328.068	-355.7	-48.4	-0.0006 mg/L
3	Al 308.215	533.9	81.1	0.0087 mg/L
3	As 188.979	-8.5	10.7	0.0038 mg/L
3	Ba 233.527	-409.6	18.5	0.0002 mg/L
3	Be 313.107	-2295.1	89.6	0.0000 mg/L
3	Ca 227.547	-41.9	-7.2	-0.0877 mg/L
3	Cd 228.802	129.6	16.0	0.0004 mg/L
3	Co 228.616	60.3	-11.3	-0.0003 mg/L
3	Cr 267.716	-81.7	-20.8	-0.0005 mg/L
3	Cu 324.754	580.2	123.5	0.0011 mg/L
3	Fe 273.955	-191.0	-24.2	-0.0011 mg/L
3	K 766.491	6560.9	600.4	0.0822 mg/L
3	Mg 279.079	-1121.1	-36.5	-0.0037 mg/L
3	Mn 257.610	-3427.6	-82.0	-0.0002 mg/L
3	Mo 202.030	-120.2	-8.4	-0.0006 mg/L
3	Na 330.237	1537.1	408.6	1.579 mg/L
3	Ni 231.604	-90.7	-39.7	-0.0010 mg/L
3	Pb 220.353	344.8	12.7	0.0009 mg/L
3	Sb 206.833	48.9	16.9	0.0067 mg/L
3	Se 196.026	-1.6	-0.1	0.0000 mg/L
3	Tl 190.800	-39.3	-3.7	-0.0012 mg/L
3	V 292.402	258.9	52.9	0.0005 mg/L
3	Zn 213.856	-37.5	12.6	0.0002 mg/L

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

ID: ICB
Sample Qty: 1.0000 g
Seq. No.: 6 Sample No.: 2 A/S Pos: 1
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:25:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-53.3	-0.0007	0.00014	mg/L				20.18%
Al 308.215	105.7	0.0113	0.00505	mg/L				44.64%
As 188.979	4.7	0.0017	0.00210	mg/L				123.10%
Ba 233.527	20.1	0.0002	0.00011	mg/L				59.56%
Be 313.107	22.1	0.0000	0.00005	mg/L				586.90%
Ca 227.547	-3.9	-0.0480	0.05701	mg/L				118.88%
Cd 228.802	17.2	0.0004	0.00011	mg/L				27.07%
Co 228.616	-3.6	-0.0001	0.00018	mg/L				181.50%
Cr 267.716	-5.9	-0.0001	0.00029	mg/L				230.33%
Cu 324.754	58.1	0.0005	0.00053	mg/L				102.74%
Fe 273.955	-16.0	-0.0008	0.00059	mg/L				77.75%
K 766.491	475.6	0.0797	0.00253	mg/L				3.18%
Mg 279.079	-45.3	-0.0046	0.00079	mg/L				16.94%
Mn 257.610	-75.0	-0.0002	0.00003	mg/L				18.93%
Mo 202.030	-5.3	-0.0004	0.00028	mg/L				72.53%
Na 330.237	287.5	1.296	0.2538	mg/L				19.59%
Ni 231.604	-34.5	-0.0009	0.00033	mg/L				37.92%
Pb 220.353	20.5	0.0014	0.00063	mg/L				44.67%
Sb 206.833	14.8	0.0059	0.00386	mg/L				65.06%
Se 196.026	-0.5	-0.0002	0.00110	mg/L				731.07%
Tl 190.800	-6.2	-0.0020	0.00143	mg/L				73.19%
V 292.402	75.0	0.0007	0.00048	mg/L				64.32%
Zn 213.856	11.6	0.0002	0.00005	mg/L				23.87%

Replicate Data
ID: CRI A1432 Date: 04/28/03 11:28:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	241.3	548.6	0.0072	mg/L		
1	Al 308.215	2204.6	1751.8	0.1874	mg/L		
1	As 188.979	36.3	55.4	0.0199	mg/L		
1	Ba 233.527	615.0	1043.1	0.0094	mg/L		
1	Be 313.107	7710.5	10095.2	0.0041	mg/L		
1	Ca 227.547	30.9	65.6	0.7973	mg/L		
1	Cd 228.802	327.6	214.0	0.0052	mg/L		
1	Co 228.616	725.1	653.4	0.0180	mg/L		
1	Cr 267.716	351.3	412.2	0.0090	mg/L		
1	Cu 324.754	1564.5	1107.8	0.0097	mg/L		
1	Fe 273.955	695.4	862.1	0.0405	mg/L		
1	K 766.491	6194.8	234.4	0.0750	mg/L		
1	Mg 279.079	-979.2	105.4	0.0108	mg/L		
1	Mn 257.610	134.3	3480.0	0.0081	mg/L		
1	Mo 202.030	50.5	162.2	0.0118	mg/L		
1	Na 330.237	1257.5	129.0	0.9246	mg/L		
1	Ni 231.604	630.2	681.1	0.0169	mg/L		
1	Pb 220.353	471.1	139.0	0.0096	mg/L		
1	Sb 206.833	83.5	51.5	0.0206	mg/L		
1	Se 196.026	32.2	33.7	0.0102	mg/L		
1	Tl 190.800	-9.9	25.7	0.0081	mg/L		
1	V 292.402	1182.0	976.0	0.0097	mg/L		
1	Zn 213.856	983.1	1033.3	0.0194	mg/L		
2	Ag 328.068	223.8	531.1	0.0069	mg/L		
2	Al 308.215	2040.3	1587.5	0.1698	mg/L		
2	As 188.979	45.6	64.7	0.0233	mg/L		
2	Ba 233.527	585.1	1013.2	0.0092	mg/L		
2	Be 313.107	7098.8	9483.5	0.0038	mg/L		
2	Ca 227.547	35.9	70.6	0.8576	mg/L		
2	Cd 228.802	310.5	196.8	0.0047	mg/L		
2	Co 228.616	713.6	642.0	0.0177	mg/L		
2	Cr 267.716	347.8	408.6	0.0089	mg/L		
2	Cu 324.754	1384.4	927.7	0.0082	mg/L		
2	Fe 273.955	690.1	856.9	0.0402	mg/L		
2	K 766.491	5442.0	-518.5	0.0603	mg/L		
2	Mg 279.079	-1012.7	71.9	0.0074	mg/L		

2 Mn 257.610	88.4	3434.1	0.0080	mg/L
2 Mo 202.030	49.9	161.6	0.0118	mg/L
2 Na 330.237	1150.8	22.3	0.6747	mg/L
2 Ni 231.604	618.9	669.9	0.0167	mg/L
2 Pb 220.353	473.7	141.6	0.0098	mg/L
2 Sb 206.833	82.8	50.8	0.0203	mg/L
2 Se 196.026	34.8	36.3	0.0110	mg/L
2 Tl 190.800	-13.7	21.9	0.0069	mg/L
2 V 292.402	1125.0	919.0	0.0091	mg/L
2 Zn 213.856	973.1	1023.3	0.0192	mg/L
3 Ag 328.068	303.6	610.9	0.0080	mg/L
3 Al 308.215	1864.9	1412.2	0.1511	mg/L
3 As 188.979	43.0	62.2	0.0223	mg/L
3 Ba 233.527	580.5	1008.6	0.0091	mg/L
3 Be 313.107	6882.3	9267.0	0.0037	mg/L
3 Ca 227.547	36.9	71.6	0.8695	mg/L
3 Cd 228.802	325.9	212.2	0.0051	mg/L
3 Co 228.616	714.7	643.1	0.0177	mg/L
3 Cr 267.716	337.4	398.2	0.0087	mg/L
3 Cu 324.754	1414.5	957.8	0.0084	mg/L
3 Fe 273.955	705.4	872.2	0.0410	mg/L
3 K 766.491	6025.0	64.5	0.0717	mg/L
3 Mg 279.079	-1182.6	-97.9	-0.0100	mg/L
3 Mn 257.610	52.7	3398.3	0.0079	mg/L
3 Mo 202.030	44.7	156.5	0.0114	mg/L
3 Na 330.237	1213.4	84.9	0.8213	mg/L
3 Ni 231.604	610.3	661.3	0.0164	mg/L
3 Pb 220.353	472.6	140.5	0.0097	mg/L
3 Sb 206.833	73.5	41.5	0.0166	mg/L
3 Se 196.026	45.9	47.4	0.0144	mg/L
3 Tl 190.800	-14.7	20.9	0.0066	mg/L
3 V 292.402	1150.5	944.4	0.0094	mg/L
3 Zn 213.856	972.5	1022.7	0.0192	mg/L

Mean Data

ID: CRI A1432 Seq. No.: 7 Sample No.: 8 A/S Pos: 9
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:28:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	563.6	0.0074	0.00055	mg/L				7.44%
Al 308.215	1583.8	0.1694	0.01817	mg/L				10.72%
As 188.979	60.8	0.0218	0.00173	mg/L				7.90%
Ba 233.527	1021.6	0.0092	0.00017	mg/L				1.83%
Be 313.107	9615.2	0.0039	0.00017	mg/L				4.47%
Ca 227.547	69.3	0.8414	0.03870	mg/L				4.60%
Cd 228.802	207.7	0.0050	0.00023	mg/L				4.54%
Co 228.616	646.2	0.0178	0.00017	mg/L				0.98%
Cr 267.716	406.3	0.0089	0.00016	mg/L				1.78%
Cu 324.754	997.8	0.0088	0.00085	mg/L				9.67%
Fe 273.955	863.7	0.0406	0.00036	mg/L				0.90%
K 766.491	-73.2	0.0690	0.00772	mg/L				11.19%
Mg 279.079	26.4	0.0027	0.01115	mg/L				412.39%
Mn 257.610	3437.5	0.0080	0.00010	mg/L				1.19%
Mo 202.030	160.1	0.0117	0.00023	mg/L				1.96%
Na 330.237	78.7	0.8068	0.12558	mg/L				15.56%
Ni 231.604	670.8	0.0167	0.00025	mg/L				1.49%
Pb 220.353	140.4	0.0097	0.00009	mg/L				0.91%
Sb 206.833	48.0	0.0192	0.00223	mg/L				11.60%
Se 196.026	39.1	0.0119	0.00220	mg/L				18.55%
Tl 190.800	22.8	0.0072	0.00080	mg/L				11.11%
V 292.402	946.5	0.0094	0.00028	mg/L				3.02%
Zn 213.856	1026.4	0.0192	0.00011	mg/L				0.58%

Replicate Data

ID: ICSA 1441 Date: 04/28/03 11:31:55 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	13.8	321.1	0.0042	mg/L		

1	Al 308.215	4064844.7	4064392.0	434.8 mg/L
1	As 188.979	-57.6	-38.5	0.0007 mg/L
1	Ba 233.527	-601.7	-173.6	-0.0016 mg/L
1	Be 313.107	-2185.8	199.0	0.0001 mg/L
1	Ca 227.547	35981.6	36016.3	437.6 mg/L
1	Cd 228.802	118.0	4.3	0.0001 mg/L
1	Co 228.616	151.8	80.2	0.0022 mg/L
1	Cr 267.716	447.9	508.7	0.0064 mg/L
1	Cu 324.754	-157.0	-613.7	0.0065 mg/L
1	Fe 273.955	3664209.2	3664375.9	172.0 mg/L
1	K 766.491	4835.1	-1125.4	0.0484 mg/L
1	Mg 279.079	4398918.4	4400003.0	450.2 mg/L
1	Mn 257.610	-1589.2	1756.5	-0.0024 mg/L
1	Mo 202.030	11.1	122.9	0.0044 mg/L
1	Na 330.237	1201.1	72.6	0.7925 mg/L
1	Ni 231.604	-52.1	-1.2	0.0000 mg/L
1	Pb 220.353	-65.1	-397.2	-0.0036 mg/L
1	Sb 206.833	63.6	31.6	0.0023 mg/L
1	Se 196.026	-50.2	-48.7	0.0162 mg/L
1	Tl 190.800	-39.7	-4.0	0.0003 mg/L
1	V 292.402	-1526.8	-1732.8	-0.0034 mg/L
1	Zn 213.856	1092.5	1142.7	0.0032 mg/L
2	Ag 328.068	124.5	431.8	0.0056 mg/L
2	Al 308.215	3941739.8	3941287.1	421.6 mg/L
2	As 188.979	-33.5	-14.3	0.0091 mg/L
2	Ba 233.527	-596.3	-168.2	-0.0015 mg/L
2	Be 313.107	-2241.7	143.1	0.0001 mg/L
2	Ca 227.547	36421.8	36456.5	442.9 mg/L
2	Cd 228.802	48.1	-65.5	-0.0016 mg/L
2	Co 228.616	151.8	80.2	0.0022 mg/L
2	Cr 267.716	427.6	488.4	0.0061 mg/L
2	Cu 324.754	-355.1	-811.8	0.0044 mg/L
2	Fe 273.955	3551373.1	3551539.8	166.7 mg/L
2	K 766.491	5168.6	-791.9	0.0549 mg/L
2	Mg 279.079	4241364.9	4242449.5	434.1 mg/L
2	Mn 257.610	-1600.2	1745.4	-0.0022 mg/L
2	Mo 202.030	-15.0	96.7	0.0026 mg/L
2	Na 330.237	1071.8	-56.7	0.4896 mg/L
2	Ni 231.604	-135.5	-84.5	-0.0021 mg/L
2	Pb 220.353	-41.5	-373.6	-0.0028 mg/L
2	Sb 206.833	53.2	21.2	-0.0015 mg/L
2	Se 196.026	-43.5	-42.0	0.0173 mg/L
2	Tl 190.800	-37.5	-1.9	0.0008 mg/L
2	V 292.402	-1368.7	-1574.7	-0.0023 mg/L
2	Zn 213.856	1006.1	1056.3	0.0022 mg/L
3	Ag 328.068	-73.1	234.2	0.0031 mg/L
3	Al 308.215	3953924.2	3953471.4	422.9 mg/L
3	As 188.979	-31.3	-12.1	0.0098 mg/L
3	Ba 233.527	-666.4	-238.3	-0.0022 mg/L
3	Be 313.107	-2178.0	206.7	0.0001 mg/L
3	Ca 227.547	34891.8	34926.5	424.3 mg/L
3	Cd 228.802	151.1	37.5	0.0009 mg/L
3	Co 228.616	162.3	90.7	0.0025 mg/L
3	Cr 267.716	351.8	412.7	0.0045 mg/L
3	Cu 324.754	-295.5	-752.1	0.0049 mg/L
3	Fe 273.955	3545146.1	3545312.8	166.4 mg/L
3	K 766.491	5295.5	-665.0	0.0574 mg/L
3	Mg 279.079	4252353.7	4253438.3	435.2 mg/L
3	Mn 257.610	-1704.3	1641.4	-0.0024 mg/L
3	Mo 202.030	-43.0	68.7	0.0006 mg/L
3	Na 330.237	1165.6	37.1	0.7094 mg/L
3	Ni 231.604	-18.9	32.0	0.0008 mg/L
3	Pb 220.353	-128.2	-460.3	-0.0086 mg/L
3	Sb 206.833	70.1	38.1	0.0053 mg/L
3	Se 196.026	-158.6	-157.1	-0.0177 mg/L
3	Tl 190.800	-81.0	-45.4	-0.0128 mg/L
3	V 292.402	-1500.5	-1706.5	-0.0036 mg/L
3	Zn 213.856	1003.3	1053.5	0.0022 mg/L

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

ID: ICSA 1441 Seq. No.: 8 Sample No.: 3 A/S Pos: 7

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:31:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	329.0	0.0043	0.00130	mg/L				30.09%
Al 308.215	3986383.5	426.4	7.26	mg/L				1.70%
As 188.979	-21.6	0.0065	0.00503	mg/L				76.85%
Ba 233.527	-193.3	-0.0017	0.00035	mg/L				20.17%
Be 313.107	182.9	0.0001	0.00001	mg/L				18.99%
Ca 227.547	35799.7	435.0	9.57	mg/L				2.20%
Cd 228.802	-7.9	-0.0002	0.00127	mg/L				665.57%
Co 228.616	83.7	0.0023	0.00017	mg/L				7.24%
Cr 267.716	469.9	0.0057	0.00105	mg/L				18.36%
Cu 324.754	-725.9	0.0052	0.00110	mg/L				21.02%
Fe 273.955	3587076.2	168.4	3.15	mg/L				1.87%
K 766.491	-860.7	0.0536	0.00465	mg/L				8.68%
Mg 279.079	4298630.3	439.8	9.00	mg/L				2.05%
Mn 257.610	1714.4	-0.0023	0.00014	mg/L				5.84%
Mo 202.030	96.1	0.0025	0.00190	mg/L				75.29%
Na 330.237	17.6	0.6638	0.15651	mg/L				23.58%
Ni 231.604	-17.9	-0.0004	0.00149	mg/L				335.92%
Pb 220.353	-410.3	-0.0050	0.00312	mg/L				62.21%
Sb 206.833	30.3	0.0020	0.00340	mg/L				168.25%
Se 196.026	-82.6	0.0052	0.01989	mg/L				379.25%
Tl 190.800	-17.1	-0.0039	0.00770	mg/L				196.97%
V 292.402	-1671.3	-0.0031	0.00072	mg/L				23.39%
Zn 213.856	1084.1	0.0025	0.00060	mg/L				23.86%

Replicate Data
ID: ICSAB 1443 Date: 04/28/03 11:34:34 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	76459.0	76766.3	1.004	mg/L		
1	Al 308.215	4373796.2	4373343.5	467.8	mg/L		
1	As 188.979	2587.0	2606.2	0.9547	mg/L		
1	Ba 233.527	54223.0	54651.1	0.4942	mg/L		
1	Be 313.107	1195009.4	1197394.1	0.4835	mg/L		
1	Ca 227.547	39841.5	39876.2	484.5	mg/L		
1	Cd 228.802	40049.3	39935.7	0.9633	mg/L		
1	Co 228.616	17034.0	16962.4	0.4664	mg/L		
1	Cr 267.716	23108.3	23169.2	0.5001	mg/L		
1	Cu 324.754	56451.6	55994.9	0.5046	mg/L		
1	Fe 273.955	3810893.0	3811059.7	178.9	mg/L		
1	K 766.491	5617.5	-343.0	0.0637	mg/L		
1	Mg 279.079	4549570.0	4550654.6	465.6	mg/L		
1	Mn 257.610	206660.1	210005.8	0.4836	mg/L		
1	Mo 202.030	13090.9	13202.7	0.9562	mg/L		
1	Na 330.237	1236.5	108.0	0.8755	mg/L		
1	Ni 231.604	36847.6	36898.5	0.9174	mg/L		
1	Pb 220.353	13416.1	13084.0	0.9325	mg/L		
1	Sb 206.833	2510.5	2478.5	0.9785	mg/L		
1	Se 196.026	2991.5	2993.0	0.9409	mg/L		
1	Tl 190.800	2927.0	2962.6	0.9333	mg/L		
1	V 292.402	47752.6	47546.5	0.4854	mg/L		
1	Zn 213.856	52099.3	52149.5	0.9591	mg/L		
2	Ag 328.068	77602.4	77909.7	1.019	mg/L		
2	Al 308.215	4426571.3	4426118.6	473.5	mg/L		
2	As 188.979	2670.4	2689.5	0.9850	mg/L		
2	Ba 233.527	54812.4	55240.6	0.4996	mg/L		
2	Be 313.107	1214830.8	1217215.6	0.4915	mg/L		
2	Ca 227.547	40202.8	40237.5	488.9	mg/L		
2	Cd 228.802	40510.1	40396.4	0.9744	mg/L		
2	Co 228.616	17356.3	17284.7	0.4752	mg/L		
2	Cr 267.716	23394.2	23455.1	0.5062	mg/L		
2	Cu 324.754	57757.0	57300.3	0.5163	mg/L		
2	Fe 273.955	3869383.3	3869550.0	181.6	mg/L		
2	K 766.491	6364.7	404.2	0.0783	mg/L		
2	Mg 279.079	4617286.8	4618371.4	472.5	mg/L		
2	Mn 257.610	208948.3	212294.0	0.4889	mg/L		

2 Mo 202.030	13162.7	13274.4	0.9613	mg/L
2 Na 330.237	1071.8	-56.8	0.4895	mg/L
2 Ni 231.604	37554.8	37605.7	0.9349	mg/L
2 Pb 220.353	13716.8	13384.7	0.9536	mg/L
2 Sb 206.833	2515.5	2483.5	0.9803	mg/L
2 Se 196.026	3036.2	3037.7	0.9549	mg/L
2 Tl 190.800	2971.5	3007.1	0.9474	mg/L
2 V 292.402	48192.2	47986.2	0.4900	mg/L
2 Zn 213.856	53207.3	53257.5	0.9796	mg/L
3 Ag 328.068	75648.1	75955.4	0.9934	mg/L
3 Al 308.215	4329695.4	4329242.7	463.1	mg/L
3 As 188.979	2549.0	2568.1	0.9410	mg/L
3 Ba 233.527	53384.7	53812.9	0.4866	mg/L
3 Be 313.107	1184483.0	1186867.7	0.4792	mg/L
3 Ca 227.547	40459.4	40494.1	492.0	mg/L
3 Cd 228.802	40336.7	40223.1	0.9702	mg/L
3 Co 228.616	17348.7	17277.1	0.4750	mg/L
3 Cr 267.716	23302.3	23363.2	0.5044	mg/L
3 Cu 324.754	56215.1	55758.4	0.5024	mg/L
3 Fe 273.955	3768090.2	3768256.9	176.9	mg/L
3 K 766.491	5899.5	-61.0	0.0692	mg/L
3 Mg 279.079	4495996.7	4497081.4	460.1	mg/L
3 Mn 257.610	203373.3	206719.0	0.4760	mg/L
3 Mo 202.030	13189.6	13301.4	0.9634	mg/L
3 Na 330.237	1301.2	172.7	1.027	mg/L
3 Ni 231.604	37145.7	37196.7	0.9248	mg/L
3 Pb 220.353	13538.2	13206.1	0.9406	mg/L
3 Sb 206.833	2558.1	2526.1	0.9977	mg/L
3 Se 196.026	3024.2	3025.7	0.9504	mg/L
3 Tl 190.800	2984.7	3020.3	0.9514	mg/L
3 V 292.402	47016.2	46810.2	0.4779	mg/L
3 Zn 213.856	51996.7	52046.9	0.9574	mg/L

Mean Data

ID: ICSAB 1443 Seq. No.: 9 Sample No.: 4 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:34:34 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	76877.1	1.005	0.0128	mg/L				1.28%
Al 308.215	4376234.9	468.1	5.19	mg/L				1.11%
As 188.979	2621.3	0.9602	0.02248	mg/L				2.34%
Ba 233.527	54568.2	0.4935	0.00649	mg/L				1.31%
Be 313.107	1200492.5	0.4847	0.00622	mg/L				1.28%
Ca 227.547	40202.6	488.4	3.77	mg/L				0.77%
Cd 228.802	40185.1	0.9693	0.00561	mg/L				0.58%
Co 228.616	17174.8	0.4722	0.00506	mg/L				1.07%
Cr 267.716	23329.1	0.5036	0.00316	mg/L				0.63%
Cu 324.754	56351.2	0.5077	0.00746	mg/L				1.47%
Fe 273.955	3816288.9	179.1	2.39	mg/L				1.33%
K 766.491	0.1	0.0704	0.00738	mg/L				10.48%
Mg 279.079	4555369.1	466.1	6.22	mg/L				1.33%
Mn 257.610	209672.9	0.4828	0.00645	mg/L				1.34%
Mo 202.030	13259.5	0.9603	0.00372	mg/L				0.39%
Na 330.237	74.6	0.7973	0.27709	mg/L				34.76%
Ni 231.604	37233.6	0.9257	0.00883	mg/L				0.95%
Pb 220.353	13225.0	0.9422	0.01066	mg/L				1.13%
Sb 206.833	2496.1	0.9855	0.01058	mg/L				1.07%
Se 196.026	3018.8	0.9487	0.00718	mg/L				0.76%
Tl 190.800	2996.7	0.9440	0.00949	mg/L				1.00%
V 292.402	47447.6	0.4844	0.00607	mg/L				1.25%
Zn 213.856	52484.6	0.9654	0.01235	mg/L				1.28%

Replicate Data

ID: CCV 1447B Date: 04/28/03 11:37:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	74485.6	74793.0	0.9782	mg/L		
1	Al 308.215	52734.6	52281.9	5.593	mg/L		

1	As 188.979	1361.2	1380.3	0.4985 mg/L
1	Ba 233.527	539842.0	540270.1	4.886 mg/L
1	Be 313.107	1232094.2	1234478.9	0.4985 mg/L
1	Ca 227.547	4175.9	4210.6	51.16 mg/L
1	Cd 228.802	40268.0	40154.4	0.9686 mg/L
1	Co 228.616	72088.4	72016.8	1.980 mg/L
1	Cr 267.716	22212.9	22273.7	0.4854 mg/L
1	Cu 324.754	221818.4	221361.7	1.946 mg/L
1	Fe 273.955	110057.8	110224.5	5.165 mg/L
1	K 766.491	868434.8	862474.3	15.05 mg/L
1	Mg 279.079	246939.8	248024.4	25.38 mg/L
1	Mn 257.610	837233.7	840579.3	1.963 mg/L
1	Mo 202.030	26223.9	26335.7	1.917 mg/L
1	Na 330.237	47398.7	46270.2	101.0 mg/L
1	Ni 231.604	80353.5	80404.5	1.999 mg/L
1	Pb 220.353	7530.9	7198.8	0.4988 mg/L
1	Sb 206.833	5068.0	5036.0	2.017 mg/L
1	Se 196.026	1663.2	1664.7	0.5054 mg/L
1	Tl 190.800	1533.4	1569.0	0.4963 mg/L
1	V 292.402	200573.9	200367.9	1.985 mg/L
1	Zn 213.856	106843.5	106893.7	2.005 mg/L
2	Ag 328.068	70943.5	71250.8	0.9319 mg/L
2	Al 308.215	49324.9	48872.1	5.228 mg/L
2	As 188.979	1396.8	1415.9	0.5114 mg/L
2	Ba 233.527	513871.3	514299.5	4.651 mg/L
2	Be 313.107	1178161.3	1180546.0	0.4767 mg/L
2	Ca 227.547	4207.5	4242.2	51.54 mg/L
2	Cd 228.802	41203.7	41090.1	0.9911 mg/L
2	Co 228.616	69236.3	69164.7	1.902 mg/L
2	Cr 267.716	22779.5	22840.4	0.4978 mg/L
2	Cu 324.754	213406.7	212950.1	1.872 mg/L
2	Fe 273.955	104741.2	104908.0	4.916 mg/L
2	K 766.491	837086.3	831125.8	14.56 mg/L
2	Mg 279.079	235596.5	236681.1	24.22 mg/L
2	Mn 257.610	802463.9	805809.5	1.882 mg/L
2	Mo 202.030	27216.0	27327.8	1.989 mg/L
2	Na 330.237	45229.3	44100.8	96.57 mg/L
2	Ni 231.604	77096.7	77147.6	1.918 mg/L
2	Pb 220.353	7667.4	7335.3	0.5082 mg/L
2	Sb 206.833	5117.4	5085.4	2.037 mg/L
2	Se 196.026	1677.8	1679.3	0.5098 mg/L
2	Tl 190.800	1505.1	1540.7	0.4873 mg/L
2	V 292.402	191930.3	191724.3	1.900 mg/L
2	Zn 213.856	103085.1	103135.2	1.934 mg/L
3	Ag 328.068	74057.4	74364.7	0.9726 mg/L
3	Al 308.215	51290.0	50837.2	5.438 mg/L
3	As 188.979	1342.9	1362.0	0.4919 mg/L
3	Ba 233.527	534396.9	534825.0	4.837 mg/L
3	Be 313.107	1224098.4	1226483.1	0.4952 mg/L
3	Ca 227.547	4029.4	4064.1	49.38 mg/L
3	Cd 228.802	39505.4	39391.7	0.9502 mg/L
3	Co 228.616	71433.7	71362.1	1.962 mg/L
3	Cr 267.716	21884.0	21944.8	0.4782 mg/L
3	Cu 324.754	221233.5	220776.8	1.941 mg/L
3	Fe 273.955	108553.1	108719.8	5.094 mg/L
3	K 766.491	858448.3	852487.8	14.90 mg/L
3	Mg 279.079	244045.7	245130.3	25.08 mg/L
3	Mn 257.610	831923.0	835268.6	1.950 mg/L
3	Mo 202.030	26043.4	26155.2	1.904 mg/L
3	Na 330.237	47427.9	46299.4	101.0 mg/L
3	Ni 231.604	79664.0	79715.0	1.982 mg/L
3	Pb 220.353	7569.9	7237.8	0.5015 mg/L
3	Sb 206.833	4878.5	4846.5	1.941 mg/L
3	Se 196.026	1663.9	1665.4	0.5056 mg/L
3	Tl 190.800	1461.7	1497.3	0.4737 mg/L
3	V 292.402	199790.0	199584.0	1.977 mg/L
3	Zn 213.856	106643.0	106693.1	2.001 mg/L

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

ID: CCV 1447B Seq. No.: 10 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 11:37:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	73469.5	0.9609	0.02529	mg/L				2.63%
Al 308.215	50663.8	5.419	0.1831	mg/L				3.38%
As 188.979	1386.1	0.5006	0.00990	mg/L				1.98%
Ba 233.527	529798.2	4.791	0.1239	mg/L				2.59%
Be 313.107	1213836.0	0.4901	0.01175	mg/L				2.40%
Ca 227.547	4172.3	50.69	1.154	mg/L				2.28%
Cd 228.802	40212.1	0.9700	0.02052	mg/L				2.12%
Co 228.616	70847.9	1.948	0.0411	mg/L				2.11%
Cr 267.716	22353.0	0.4871	0.00987	mg/L				2.03%
Cu 324.754	218362.9	1.920	0.0413	mg/L				2.15%
Fe 273.955	107950.7	5.058	0.1285	mg/L				2.54%
K 766.491	848696.0	14.84	0.251	mg/L				1.69%
Mg 279.079	243278.6	24.89	0.603	mg/L				2.42%
Mn 257.610	827219.2	1.932	0.0437	mg/L				2.26%
Mo 202.030	26606.2	1.936	0.0460	mg/L				2.37%
Na 330.237	45556.8	99.51	2.553	mg/L				2.57%
Ni 231.604	79089.0	1.966	0.0427	mg/L				2.17%
Pb 220.353	7257.3	0.5028	0.00487	mg/L				0.97%
Sb 206.833	4989.3	1.998	0.0503	mg/L				2.52%
Se 196.026	1669.8	0.5069	0.00251	mg/L				0.49%
Tl 190.800	1535.7	0.4858	0.01135	mg/L				2.34%
V 292.402	197225.4	1.954	0.0474	mg/L				2.42%
Zn 213.856	105574.0	1.980	0.0397	mg/L				2.00%

Replicate Data

ID: CCB Date: 04/28/03 11:40:03 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-398.1	-90.8	-0.0012	mg/L		
1	Al 308.215	698.4	245.7	0.0263	mg/L		
1	As 188.979	-15.5	3.6	0.0013	mg/L		
1	Ba 233.527	-336.2	91.9	0.0008	mg/L		
1	Be 313.107	-1730.3	654.4	0.0003	mg/L		
1	Ca 227.547	-35.1	-0.4	-0.0049	mg/L		
1	Cd 228.802	140.6	27.0	0.0007	mg/L		
1	Co 228.616	84.7	13.1	0.0004	mg/L		
1	Cr 267.716	-66.8	-6.0	-0.0001	mg/L		
1	Cu 324.754	400.3	-56.4	-0.0005	mg/L		
1	Fe 273.955	-88.9	77.8	0.0037	mg/L		
1	K 766.491	5922.0	-38.5	0.0697	mg/L		
1	Mg 279.079	-745.1	339.5	0.0347	mg/L		
1	Mn 257.610	-3204.2	141.4	0.0003	mg/L		
1	Mo 202.030	-119.6	-7.8	-0.0006	mg/L		
1	Na 330.237	1280.9	152.4	0.9794	mg/L		
1	Ni 231.604	-115.3	-64.3	-0.0016	mg/L		
1	Pb 220.353	338.3	6.2	0.0004	mg/L		
1	Sb 206.833	51.4	19.4	0.0078	mg/L		
1	Se 196.026	1.4	2.9	0.0009	mg/L		
1	Tl 190.800	-37.0	-1.4	-0.0004	mg/L		
1	V 292.402	402.3	196.3	0.0019	mg/L		
1	Zn 213.856	-18.2	32.0	0.0006	mg/L		
2	Ag 328.068	-359.3	-52.0	-0.0007	mg/L		
2	Al 308.215	495.1	42.4	0.0045	mg/L		
2	As 188.979	-16.6	2.5	0.0009	mg/L		
2	Ba 233.527	-367.0	61.1	0.0006	mg/L		
2	Be 313.107	-2195.1	189.6	0.0001	mg/L		
2	Ca 227.547	-42.9	-8.2	-0.0993	mg/L		
2	Cd 228.802	130.8	17.1	0.0004	mg/L		
2	Co 228.616	72.8	1.2	0.0000	mg/L		
2	Cr 267.716	-54.8	6.0	0.0001	mg/L		
2	Cu 324.754	364.5	-92.2	-0.0008	mg/L		
2	Fe 273.955	-128.7	38.1	0.0018	mg/L		
2	K 766.491	5615.1	-345.3	0.0637	mg/L		
2	Mg 279.079	-958.5	126.1	0.0129	mg/L		
2	Mn 257.610	-3234.0	111.7	0.0003	mg/L		
2	Mo 202.030	-114.0	-2.2	-0.0002	mg/L		

2 Na 330.237	1423.0	294.4	1.312	mg/L
2 Ni 231.604	-85.5	-34.5	-0.0009	mg/L
2 Pb 220.353	341.6	9.5	0.0007	mg/L
2 Sb 206.833	34.2	2.2	0.0009	mg/L
2 Se 196.026	-6.4	-4.9	-0.0015	mg/L
2 Tl 190.800	-31.4	4.2	0.0013	mg/L
2 V 292.402	250.4	44.4	0.0004	mg/L
2 Zn 213.856	-14.4	35.8	0.0007	mg/L
3 Ag 328.068	-244.5	62.8	0.0008	mg/L
3 Al 308.215	557.2	104.5	0.0112	mg/L
3 As 188.979	-13.2	6.0	0.0021	mg/L
3 Ba 233.527	-386.4	41.8	0.0004	mg/L
3 Be 313.107	-2141.9	242.9	0.0001	mg/L
3 Ca 227.547	-43.6	-8.9	-0.1082	mg/L
3 Cd 228.802	130.3	16.7	0.0004	mg/L
3 Co 228.616	70.0	-1.6	0.0000	mg/L
3 Cr 267.716	-71.3	-10.4	-0.0002	mg/L
3 Cu 324.754	400.2	-56.5	-0.0005	mg/L
3 Fe 273.955	-136.1	30.6	0.0014	mg/L
3 K 766.491	5574.4	-386.1	0.0629	mg/L
3 Mg 279.079	-834.7	250.0	0.0256	mg/L
3 Mn 257.610	-3295.7	50.0	0.0001	mg/L
3 Mo 202.030	-118.8	-7.1	-0.0005	mg/L
3 Na 330.237	1245.6	117.1	0.8967	mg/L
3 Ni 231.604	-82.0	-31.1	-0.0008	mg/L
3 Pb 220.353	311.1	-21.0	-0.0015	mg/L
3 Sb 206.833	38.0	6.0	0.0024	mg/L
3 Se 196.026	16.1	17.6	0.0054	mg/L
3 Tl 190.800	-33.1	2.5	0.0008	mg/L
3 V 292.402	396.3	190.3	0.0019	mg/L
3 Zn 213.856	-39.6	10.6	0.0002	mg/L

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

ID: CCB
Sample Qty: 1.0000 g
Seq. No.: 11 Sample No.: 6 A/S Pos: 1
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:40:03 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-26.6	-0.0003	0.00104	mg/L				299.73%
Al 308.215	130.8	0.0140	0.01114	mg/L				79.61%
As 188.979	4.0	0.0015	0.00064	mg/L				43.83%
Ba 233.527	64.9	0.0006	0.00023	mg/L				38.94%
Be 313.107	362.3	0.0001	0.00010	mg/L				70.22%
Ca 227.547	-5.8	-0.0708	0.05726	mg/L				80.89%
Cd 228.802	20.3	0.0005	0.00014	mg/L				28.79%
Co 228.616	4.2	0.0001	0.00021	mg/L				185.39%
Cr 267.716	-3.5	-0.0001	0.00019	mg/L				245.54%
Cu 324.754	-68.3	-0.0006	0.00018	mg/L				30.25%
Fe 273.955	48.8	0.0023	0.00119	mg/L				51.99%
K 766.491	-256.7	0.0654	0.00372	mg/L				5.68%
Mg 279.079	238.5	0.0244	0.01097	mg/L				44.94%
Mn 257.610	101.0	0.0002	0.00011	mg/L				46.19%
Mo 202.030	-5.7	-0.0004	0.00022	mg/L				53.60%
Na 330.237	188.0	1.063	0.2198	mg/L				20.68%
Ni 231.604	-43.3	-0.0011	0.00045	mg/L				42.23%
Pb 220.353	-1.8	-0.0001	0.00116	mg/L				942.69%
Sb 206.833	9.2	0.0037	0.00362	mg/L				98.46%
Se 196.026	5.2	0.0016	0.00347	mg/L				218.78%
Tl 190.800	1.8	0.0006	0.00090	mg/L				160.18%
V 292.402	143.7	0.0014	0.00085	mg/L				59.87%
Zn 213.856	26.1	0.0005	0.00026	mg/L				52.07%

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

ID: Calib Blank Date: 04/28/03 11:42:32 AM

Repl# Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1 Ag 328.068	-495.8	-495.8	0	mg/L
1 Al 308.215	576.7	576.7	0	mg/L
1 As 188.979	-7.1	-7.1	0	mg/L

1	Ba 233.527	-434.1	-434.1	0 mg/L
1	Be 313.107	-2318.0	-2318.0	0 mg/L
1	Ca 227.547	-49.7	-49.7	0 mg/L
1	Cd 228.802	112.8	112.8	0 mg/L
1	Co 228.616	53.5	53.5	0 mg/L
1	Cr 267.716	-70.3	-70.3	0 mg/L
1	Cu 324.754	683.1	683.1	0 mg/L
1	Fe 273.955	-182.6	-182.6	0 mg/L
1	K 766.491	5710.6	5710.6	0 mg/L
1	Mg 279.079	-1068.7	-1068.7	0 mg/L
1	Mn 257.610	-3355.6	-3355.6	0 mg/L
1	Mo 202.030	-113.4	-113.4	0 mg/L
1	Na 330.237	1285.6	1285.6	0 mg/L
1	Ni 231.604	-49.9	-49.9	0 mg/L
1	Pb 220.353	336.7	336.7	0 mg/L
1	Sb 206.833	30.1	30.1	0 mg/L
1	Se 196.026	4.7	4.7	0 mg/L
1	Tl 190.800	-41.5	-41.5	0 mg/L
1	V 292.402	260.8	260.8	0 mg/L
1	Zn 213.856	-39.7	-39.7	0 mg/L
2	Ag 328.068	-403.3	-403.3	0 mg/L
2	Al 308.215	347.6	347.6	0 mg/L
2	As 188.979	-15.7	-15.7	0 mg/L
2	Ba 233.527	-438.8	-438.8	0 mg/L
2	Be 313.107	-2310.1	-2310.1	0 mg/L
2	Ca 227.547	-22.7	-22.7	0 mg/L
2	Cd 228.802	124.8	124.8	0 mg/L
2	Co 228.616	81.5	81.5	0 mg/L
2	Cr 267.716	-53.8	-53.8	0 mg/L
2	Cu 324.754	540.4	540.4	0 mg/L
2	Fe 273.955	-170.3	-170.3	0 mg/L
2	K 766.491	6191.1	6191.1	0 mg/L
2	Mg 279.079	-939.0	-939.0	0 mg/L
2	Mn 257.610	-3377.5	-3377.5	0 mg/L
2	Mo 202.030	-113.3	-113.3	0 mg/L
2	Na 330.237	1208.8	1208.8	0 mg/L
2	Ni 231.604	-67.1	-67.1	0 mg/L
2	Pb 220.353	334.5	334.5	0 mg/L
2	Sb 206.833	28.8	28.8	0 mg/L
2	Se 196.026	1.2	1.2	0 mg/L
2	Tl 190.800	-30.7	-30.7	0 mg/L
2	V 292.402	250.1	250.1	0 mg/L
2	Zn 213.856	-49.1	-49.1	0 mg/L
3	Ag 328.068	-362.4	-362.4	0 mg/L
3	Al 308.215	403.3	403.3	0 mg/L
3	As 188.979	-8.3	-8.3	0 mg/L
3	Ba 233.527	-425.7	-425.7	0 mg/L
3	Be 313.107	-2274.0	-2274.0	0 mg/L
3	Ca 227.547	-24.6	-24.6	0 mg/L
3	Cd 228.802	140.0	140.0	0 mg/L
3	Co 228.616	79.5	79.5	0 mg/L
3	Cr 267.716	-64.7	-64.7	0 mg/L
3	Cu 324.754	422.0	422.0	0 mg/L
3	Fe 273.955	-186.1	-186.1	0 mg/L
3	K 766.491	6360.2	6360.2	0 mg/L
3	Mg 279.079	-1037.6	-1037.6	0 mg/L
3	Mn 257.610	-3416.6	-3416.6	0 mg/L
3	Mo 202.030	-116.5	-116.5	0 mg/L
3	Na 330.237	1207.6	1207.6	0 mg/L
3	Ni 231.604	-42.3	-42.3	0 mg/L
3	Pb 220.353	332.3	332.3	0 mg/L
3	Sb 206.833	33.3	33.3	0 mg/L
3	Se 196.026	7.6	7.6	0 mg/L
3	Tl 190.800	-29.2	-29.2	0 mg/L
3	V 292.402	336.9	336.9	0 mg/L
3	Zn 213.856	-42.3	-42.3	0 mg/L

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

ID: Calib Blank Seq. No.: 1 A/S Pos: 1

Data: Original Date: 04/28/03 11:42:32 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-420.5	68.34	16.25%	0	mg/L
Al 308.215	442.6	119.49	27.00%	0	mg/L
As 188.979	-10.3	4.66	45.05%	0	mg/L
Ba 233.527	-432.9	6.64	1.53%	0	mg/L
Be 313.107	-2300.7	23.47	1.02%	0	mg/L
Ca 227.547	-32.3	15.04	46.52%	0	mg/L
Cd 228.802	125.9	13.64	10.84%	0	mg/L
Co 228.616	71.5	15.58	21.80%	0	mg/L
Cr 267.716	-62.9	8.38	13.33%	0	mg/L
Cu 324.754	548.5	130.77	23.84%	0	mg/L
Fe 273.955	-179.7	8.25	4.59%	0	mg/L
K 766.491	6087.3	336.98	5.54%	0	mg/L
Mg 279.079	-1015.1	67.68	6.67%	0	mg/L
Mn 257.610	-3383.2	30.91	0.91%	0	mg/L
Mo 202.030	-114.4	1.84	1.61%	0	mg/L
Na 330.237	1234.0	44.67	3.62%	0	mg/L
Ni 231.604	-53.1	12.74	24.00%	0	mg/L
Pb 220.353	334.5	2.20	0.66%	0	mg/L
Sb 206.833	30.8	2.33	7.58%	0	mg/L
Se 196.026	4.5	3.21	71.81%	0	mg/L
Tl 190.800	-33.8	6.73	19.91%	0	mg/L
V 292.402	282.6	47.30	16.74%	0	mg/L
Zn 213.856	-43.7	4.83	11.05%	0	mg/L

Calibration Summary ----------
Method: 23ME Date: 04/28/03 11:43:37 AM

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

Calibration Summary ----------
Method: 23ME Date: 04/28/03 11:44:49 AM

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: CCV 1447B Date: 04/28/03 11:45:54 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	74696.9	75117.4	0.9824	mg/L		
1	Al 308.215	47422.1	46979.6	5.025	mg/L		
1	As 188.979	1381.8	1392.2	0.5028	mg/L		
1	Ba 233.527	548834.2	549267.1	4.967	mg/L		
1	Be 313.107	1229360.3	1231661.0	0.4973	mg/L		
1	Ca 227.547	4167.2	4199.5	51.02	mg/L		
1	Cd 228.802	41449.5	41323.6	0.9968	mg/L		
1	Co 228.616	72226.8	72155.3	1.984	mg/L		
1	Cr 267.716	22758.7	22821.6	0.4973	mg/L		
1	Cu 324.754	222203.2	221654.7	1.949	mg/L		
1	Fe 273.955	106346.8	106526.5	4.991	mg/L		
1	K 766.491	865196.1	859108.8	15.00	mg/L		
1	Mg 279.079	243570.4	244585.5	25.03	mg/L		
1	Mn 257.610	845109.0	848492.2	1.981	mg/L		
1	Mo 202.030	27180.9	27295.3	1.987	mg/L		
1	Na 330.237	47794.6	46560.6	101.5	mg/L		
1	Ni 231.604	80255.7	80308.7	1.997	mg/L		
1	Pb 220.353	7742.8	7408.3	0.5133	mg/L		
1	Sb 206.833	5122.7	5091.9	2.040	mg/L		
1	Se 196.026	1739.2	1734.7	0.5266	mg/L		
1	Tl 190.800	1550.5	1584.3	0.5011	mg/L		
1	V 292.402	200645.8	200363.2	1.985	mg/L		
1	Zn 213.856	106743.5	106787.2	2.003	mg/L		
2	Ag 328.068	72479.3	72899.8	0.9534	mg/L		
2	Al 308.215	46197.5	45754.9	4.894	mg/L		
2	As 188.979	1296.1	1306.4	0.4719	mg/L		
2	Ba 233.527	531000.6	531433.4	4.806	mg/L		
2	Be 313.107	1196428.4	1198729.2	0.4840	mg/L		
2	Ca 227.547	3934.9	3967.2	48.20	mg/L		
2	Cd 228.802	39473.7	39347.8	0.9491	mg/L		
2	Co 228.616	70577.0	70505.5	1.939	mg/L		
2	Cr 267.716	21621.4	21684.3	0.4726	mg/L		
2	Cu 324.754	216787.7	216239.2	1.901	mg/L		
2	Fe 273.955	103037.2	103216.8	4.836	mg/L		
2	K 766.491	841291.5	835204.2	14.63	mg/L		
2	Mg 279.079	236787.5	237802.6	24.33	mg/L		
2	Mn 257.610	821164.4	824547.6	1.925	mg/L		
2	Mo 202.030	25906.5	26020.9	1.894	mg/L		
2	Na 330.237	46833.9	45599.9	99.61	mg/L		
2	Ni 231.604	78409.9	78463.0	1.951	mg/L		
2	Pb 220.353	7366.4	7031.8	0.4872	mg/L		
2	Sb 206.833	4853.3	4822.5	1.932	mg/L		
2	Se 196.026	1607.5	1603.1	0.4867	mg/L		
2	Tl 190.800	1496.2	1530.0	0.4840	mg/L		
2	V 292.402	195792.9	195510.3	1.937	mg/L		
2	Zn 213.856	104437.1	104480.8	1.959	mg/L		
3	Ag 328.068	72104.1	72524.6	0.9485	mg/L		
3	Al 308.215	45921.0	45478.5	4.865	mg/L		
3	As 188.979	1377.1	1387.4	0.5011	mg/L		
3	Ba 233.527	524604.4	525037.3	4.748	mg/L		
3	Be 313.107	1186060.9	1188361.7	0.4798	mg/L		
3	Ca 227.547	3942.0	3974.4	48.29	mg/L		

3 Cd 228.802	39985.5	39859.6	0.9615	mg/L
3 Co 228.616	69683.9	69612.4	1.914	mg/L
3 Cr 267.716	21979.3	22042.2	0.4804	mg/L
3 Cu 324.754	215180.9	214632.4	1.887	mg/L
3 Fe 273.955	102234.8	102414.5	4.799	mg/L
3 K 766.491	847563.5	841476.2	14.73	mg/L
3 Mg 279.079	234597.7	235612.8	24.11	mg/L
3 Mn 257.610	811961.8	815345.0	1.904	mg/L
3 Mo 202.030	26288.2	26402.6	1.922	mg/L
3 Na 330.237	46326.3	45092.3	98.58	mg/L
3 Ni 231.604	77887.8	77940.9	1.938	mg/L
3 Pb 220.353	7525.7	7191.1	0.4983	mg/L
3 Sb 206.833	4980.8	4950.1	1.983	mg/L
3 Se 196.026	1640.7	1636.3	0.4968	mg/L
3 Tl 190.800	1589.0	1622.8	0.5131	mg/L
3 V 292.402	194174.5	193891.9	1.921	mg/L
3 Zn 213.856	103826.5	103870.2	1.948	mg/L

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

ID: CCV 1447B Seq. No.: 10 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 11:45:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	73513.9	0.9615	0.01833	mg/L				1.91%
Al 308.215	46071.0	4.928	0.0855	mg/L				1.73%
As 188.979	1362.0	0.4919	0.01737	mg/L				3.53%
Ba 233.527	535245.9	4.840	0.1136	mg/L				2.35%
Be 313.107	1206250.6	0.4871	0.00913	mg/L				1.87%
Ca 227.547	4047.0	49.17	1.605	mg/L				3.26%
Cd 228.802	40177.0	0.9691	0.02473	mg/L				2.55%
Co 228.616	70757.7	1.946	0.0355	mg/L				1.82%
Cr 267.716	22182.7	0.4834	0.01267	mg/L				2.62%
Cu 324.754	217508.8	1.912	0.0323	mg/L				1.69%
Fe 273.955	104052.6	4.875	0.1021	mg/L				2.10%
K 766.491	845263.1	14.78	0.194	mg/L				1.31%
Mg 279.079	239333.6	24.49	0.479	mg/L				1.95%
Mn 257.610	829461.6	1.937	0.0400	mg/L				2.06%
Mo 202.030	26572.9	1.934	0.0476	mg/L				2.46%
Na 330.237	45750.9	99.91	1.507	mg/L				1.51%
Ni 231.604	78904.2	1.962	0.0309	mg/L				1.58%
Pb 220.353	7210.4	0.4996	0.01309	mg/L				2.62%
Sb 206.833	4954.9	1.985	0.0539	mg/L				2.72%
Se 196.026	1658.0	0.5034	0.02079	mg/L				4.13%
Tl 190.800	1579.0	0.4994	0.01464	mg/L				2.93%
V 292.402	196588.5	1.948	0.0334	mg/L				1.71%
Zn 213.856	105046.1	1.970	0.0289	mg/L				1.46%

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

ID: CCB Date: 04/28/03 11:48:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Conc.	Sample Units
1	Ag 328.068	-389.5	31.0	0.0004	mg/L		
1	Al 308.215	569.0	126.4	0.0135	mg/L		
1	As 188.979	-12.4	-2.0	-0.0007	mg/L		
1	Ba 233.527	-325.9	107.0	0.0010	mg/L		
1	Be 313.107	-1838.5	462.2	0.0002	mg/L		
1	Ca 227.547	-44.6	-12.3	-0.1495	mg/L		
1	Cd 228.802	134.0	8.1	0.0002	mg/L		
1	Co 228.616	90.6	19.2	0.0005	mg/L		
1	Cr 267.716	-49.7	13.2	0.0003	mg/L		
1	Cu 324.754	463.9	-84.6	-0.0007	mg/L		
1	Fe 273.955	-121.8	57.8	0.0027	mg/L		
1	K 766.491	6258.7	171.4	0.0738	mg/L		
1	Mg 279.079	-926.0	89.1	0.0091	mg/L		
1	Mn 257.610	-3192.8	190.4	0.0004	mg/L		
1	Mo 202.030	-98.1	16.3	0.0012	mg/L		
1	Na 330.237	1290.5	56.5	0.7548	mg/L		
1	Ni 231.604	-61.5	-8.4	-0.0002	mg/L		
1	Pb 220.353	336.7	2.1	0.0001	mg/L		

1 Sb 206.833	39.0	8.3	0.0033	mg/L
1 Se 196.026	-1.0	-5.5	-0.0017	mg/L
1 Tl 190.800	-38.3	-4.5	-0.0014	mg/L
1 V 292.402	317.3	34.8	0.0003	mg/L
1 Zn 213.856	-26.5	17.2	0.0003	mg/L
2 Ag 328.068	-347.1	73.4	0.0010	mg/L
2 Al 308.215	446.6	4.1	0.0004	mg/L
2 As 188.979	-16.3	-6.0	-0.0022	mg/L
2 Ba 233.527	-393.0	39.8	0.0004	mg/L
2 Be 313.107	-2390.9	-90.1	0.0000	mg/L
2 Ca 227.547	-46.4	-14.1	-0.1713	mg/L
2 Cd 228.802	136.5	10.6	0.0003	mg/L
2 Co 228.616	63.3	-8.1	-0.0002	mg/L
2 Cr 267.716	-42.6	20.3	0.0004	mg/L
2 Cu 324.754	505.7	-42.8	-0.0004	mg/L
2 Fe 273.955	-177.5	2.1	0.0001	mg/L
2 K 766.491	5863.0	-224.3	0.0660	mg/L
2 Mg 279.079	-882.1	133.0	0.0136	mg/L
2 Mn 257.610	-3290.8	92.4	0.0002	mg/L
2 Mo 202.030	-118.5	-4.1	-0.0003	mg/L
2 Na 330.237	1127.4	-106.7	0.3726	mg/L
2 Ni 231.604	-77.1	-24.1	-0.0006	mg/L
2 Pb 220.353	335.9	1.4	0.0001	mg/L
2 Sb 206.833	49.2	18.4	0.0074	mg/L
2 Se 196.026	1.4	-3.1	-0.0009	mg/L
2 Tl 190.800	-29.0	4.8	0.0015	mg/L
2 V 292.402	324.2	41.6	0.0004	mg/L
2 Zn 213.856	-26.2	17.5	0.0003	mg/L
3 Ag 328.068	-307.6	112.9	0.0015	mg/L
3 Al 308.215	484.6	42.1	0.0045	mg/L
3 As 188.979	-6.4	4.0	0.0014	mg/L
3 Ba 233.527	-414.7	18.2	0.0002	mg/L
3 Be 313.107	-2088.5	212.2	0.0001	mg/L
3 Ca 227.547	-40.4	-8.0	-0.0975	mg/L
3 Cd 228.802	141.3	15.4	0.0004	mg/L
3 Co 228.616	74.5	3.0	0.0001	mg/L
3 Cr 267.716	-53.9	9.0	0.0002	mg/L
3 Cu 324.754	544.0	-4.5	0.0000	mg/L
3 Fe 273.955	-189.5	-9.8	-0.0005	mg/L
3 K 766.491	5819.1	-268.2	0.0652	mg/L
3 Mg 279.079	-1064.5	-49.4	-0.0051	mg/L
3 Mn 257.610	-3345.8	37.4	0.0001	mg/L
3 Mo 202.030	-118.4	-4.0	-0.0003	mg/L
3 Na 330.237	1194.6	-39.4	0.5301	mg/L
3 Ni 231.604	-90.4	-37.3	-0.0009	mg/L
3 Pb 220.353	322.2	-12.4	-0.0009	mg/L
3 Sb 206.833	22.4	-8.3	-0.0033	mg/L
3 Se 196.026	-18.7	-23.1	-0.0070	mg/L
3 Tl 190.800	-38.7	-4.9	-0.0016	mg/L
3 V 292.402	245.8	-36.8	-0.0004	mg/L
3 Zn 213.856	-36.5	7.2	0.0001	mg/L

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

ID: CCB Seq. No.: 11 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 11:48:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72.4	0.0009	0.00054	mg/L				56.53%
Al 308.215	57.5	0.0062	0.00670	mg/L				108.86%
As 188.979	-1.4	-0.0005	0.00180	mg/L				369.93%
Ba 233.527	55.0	0.0005	0.00042	mg/L				84.18%
Be 313.107	194.8	0.0001	0.00011	mg/L				142.01%
Ca 227.547	-11.5	-0.1394	0.03789	mg/L				27.18%
Cd 228.802	11.4	0.0003	0.00009	mg/L				32.52%
Co 228.616	4.7	0.0001	0.00038	mg/L				293.50%
Cr 267.716	14.2	0.0003	0.00012	mg/L				40.43%
Cu 324.754	-44.0	-0.0004	0.00035	mg/L				91.05%
Fe 273.955	16.7	0.0008	0.00170	mg/L				216.08%
K 766.491	-107.0	0.0683	0.00473	mg/L				6.93%

Mg 279.079	57.6	0.0059	0.00974 mg/L	165.29%
Mn 257.610	106.7	0.0002	0.00018 mg/L	72.60%
Mo 202.030	2.7	0.0002	0.00085 mg/L	430.34%
Na 330.237	-29.9	0.5525	0.19209 mg/L	34.77%
Ni 231.604	-23.3	-0.0006	0.00036 mg/L	62.06%
Pb 220.353	-2.9	-0.0002	0.00057 mg/L	277.07%
Sb 206.833	6.1	0.0025	0.00541 mg/L	220.43%
Se 196.026	-10.6	-0.0032	0.00332 mg/L	103.62%
Tl 190.800	-1.5	-0.0005	0.00173 mg/L	360.01%
V 292.402	13.2	0.0001	0.00043 mg/L	329.45%
Zn 213.856	14.0	0.0003	0.00011 mg/L	41.78%

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

ID: M-BL 03M1385 Date: 04/28/03 11:52:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-347.7	72.8	0.0010	mg/L	0.0010	ppm
1	Al 308.215	498.7	56.2	0.0060	mg/L	0.0060	ppm
1	As 188.979	-10.4	-0.0	0.0000	mg/L	0.0000	ppm
1	Ba 233.527	-415.7	17.1	0.0002	mg/L	0.0002	ppm
1	Be 313.107	-2401.5	-100.8	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	-39.6	-7.2	-0.0878	mg/L	-0.0878	ppm
1	Cd 228.802	137.3	11.4	0.0003	mg/L	0.0003	ppm
1	Co 228.616	70.1	-1.4	0.0000	mg/L	0.0000	ppm
1	Cr 267.716	-61.0	1.9	0.0000	mg/L	0.0000	ppm
1	Cu 324.754	458.9	-89.6	-0.0008	mg/L	-0.0008	ppm
1	Fe 273.955	-165.9	13.8	0.0006	mg/L	0.0006	ppm
1	K 766.491	6207.7	120.4	0.0728	mg/L	0.0728	ppm
1	Mg 279.079	-1077.3	-62.2	-0.0064	mg/L	-0.0064	ppm
1	Mn 257.610	-3339.8	43.4	0.0001	mg/L	0.0001	ppm
1	Mo 202.030	-114.2	0.2	0.0000	mg/L	0.0000	ppm
1	Na 330.237	1276.3	42.3	0.7215	mg/L	0.7215	ppm
1	Ni 231.604	-94.5	-41.4	-0.0010	mg/L	-0.0010	ppm
1	Pb 220.353	336.3	1.7	0.0001	mg/L	0.0001	ppm
1	Sb 206.833	45.2	14.4	0.0058	mg/L	0.0058	ppm
1	Se 196.026	7.5	3.0	0.0009	mg/L	0.0009	ppm
1	Tl 190.800	-43.6	-9.8	-0.0031	mg/L	-0.0031	ppm
1	V 292.402	340.4	57.8	0.0006	mg/L	0.0006	ppm
1	Zn 213.856	-34.6	9.1	0.0002	mg/L	0.0002	ppm
2	Ag 328.068	-267.8	152.7	0.0020	mg/L	0.0020	ppm
2	Al 308.215	577.3	134.8	0.0144	mg/L	0.0144	ppm
2	As 188.979	-11.2	-0.8	-0.0003	mg/L	-0.0003	ppm
2	Ba 233.527	-404.8	28.1	0.0003	mg/L	0.0003	ppm
2	Be 313.107	-2472.8	-172.1	-0.0001	mg/L	-0.0001	ppm
2	Ca 227.547	-41.2	-8.9	-0.1081	mg/L	-0.1081	ppm
2	Cd 228.802	136.0	10.1	0.0002	mg/L	0.0002	ppm
2	Co 228.616	84.6	13.1	0.0004	mg/L	0.0004	ppm
2	Cr 267.716	-82.8	-19.8	-0.0004	mg/L	-0.0004	ppm
2	Cu 324.754	420.9	-127.6	-0.0011	mg/L	-0.0011	ppm
2	Fe 273.955	-179.5	0.2	0.0000	mg/L	0.0000	ppm
2	K 766.491	5918.6	-168.7	0.0671	mg/L	0.0671	ppm
2	Mg 279.079	-1003.5	11.6	0.0012	mg/L	0.0012	ppm
2	Mn 257.610	-3339.9	43.3	0.0001	mg/L	0.0001	ppm
2	Mo 202.030	-115.7	-1.3	-0.0001	mg/L	-0.0001	ppm
2	Na 330.237	1082.1	-151.9	0.2665	mg/L	0.2665	ppm
2	Ni 231.604	-78.0	-24.9	-0.0006	mg/L	-0.0006	ppm
2	Pb 220.353	326.5	-8.0	-0.0006	mg/L	-0.0006	ppm
2	Sb 206.833	35.8	5.1	0.0020	mg/L	0.0020	ppm
2	Se 196.026	-6.1	-10.5	-0.0032	mg/L	-0.0032	ppm
2	Tl 190.800	-45.9	-12.1	-0.0038	mg/L	-0.0038	ppm
2	V 292.402	262.4	-20.2	-0.0002	mg/L	-0.0002	ppm
2	Zn 213.856	-28.5	15.2	0.0003	mg/L	0.0003	ppm
3	Ag 328.068	-365.5	55.0	0.0007	mg/L	0.0007	ppm
3	Al 308.215	441.4	-1.2	-0.0001	mg/L	-0.0001	ppm
3	As 188.979	-17.2	-6.8	-0.0025	mg/L	-0.0025	ppm
3	Ba 233.527	-431.9	1.0	0.0000	mg/L	0.0000	ppm
3	Be 313.107	-2233.1	67.6	0.0000	mg/L	0.0000	ppm
3	Ca 227.547	-39.2	-6.8	-0.0831	mg/L	-0.0831	ppm
3	Cd 228.802	121.5	-4.4	-0.0001	mg/L	-0.0001	ppm

3	Co 228.616	67.6	-3.9	-0.0001	mg/L	-0.0001 ppm
3	Cr 267.716	-83.1	-20.2	-0.0004	mg/L	-0.0004 ppm
3	Cu 324.754	576.8	28.3	0.0002	mg/L	0.0002 ppm
3	Fe 273.955	-150.0	29.6	0.0014	mg/L	0.0014 ppm
3	K 766.491	5518.7	-568.6	0.0593	mg/L	0.0593 ppm
3	Mg 279.079	-989.1	26.1	0.0027	mg/L	0.0027 ppm
3	Mn 257.610	-3357.3	26.0	0.0001	mg/L	0.0001 ppm
3	Mo 202.030	-119.2	-4.8	-0.0004	mg/L	-0.0004 ppm
3	Na 330.237	1218.5	-15.5	0.5861	mg/L	0.5861 ppm
3	Ni 231.604	-67.3	-14.2	-0.0004	mg/L	-0.0004 ppm
3	Pb 220.353	286.3	-48.3	-0.0033	mg/L	-0.0033 ppm
3	Sb 206.833	37.7	6.9	0.0028	mg/L	0.0028 ppm
3	Se 196.026	-1.1	-5.6	-0.0017	mg/L	-0.0017 ppm
3	Tl 190.800	-32.5	1.3	0.0004	mg/L	0.0004 ppm
3	V 292.402	118.6	-164.0	-0.0016	mg/L	-0.0016 ppm
3	Zn 213.856	-45.8	-2.1	0.0000	mg/L	0.0000 ppm

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

ID: M-BL 03M1385 Seq. No.: 12 Sample No.: 1 A/S Pos: 10
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:52:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	93.5	0.0012	0.00068	mg/L	0.0012	0.00068	ppm	55.68%
Al 308.215	63.3	0.0068	0.00730	mg/L	0.0068	0.00730	ppm	107.86%
As 188.979	-2.5	-0.0009	0.00134	mg/L	-0.0009	0.00134	ppm	145.83%
Ba 233.527	15.4	0.0001	0.00012	mg/L	0.0001	0.00012	ppm	88.61%
Be 313.107	-68.4	0.0000	0.00005	mg/L	0.0000	0.00005	ppm	179.87%
Ca 227.547	-7.7	-0.0930	0.01328	mg/L	-0.0930	0.01328	ppm	14.28%
Cd 228.802	5.7	0.0001	0.00021	mg/L	0.0001	0.00021	ppm	153.94%
Co 228.616	2.6	0.0001	0.00025	mg/L	0.0001	0.00025	ppm	355.66%
Cr 267.716	-12.7	-0.0003	0.00028	mg/L	-0.0003	0.00028	ppm	99.72%
Cu 324.754	-63.0	-0.0006	0.00071	mg/L	-0.0006	0.00071	ppm	129.05%
Fe 273.955	14.5	0.0007	0.00069	mg/L	0.0007	0.00069	ppm	101.48%
K 766.491	-205.6	0.0664	0.00676	mg/L	0.0664	0.00676	ppm	10.19%
Mg 279.079	-8.2	-0.0008	0.00484	mg/L	-0.0008	0.00484	ppm	577.95%
Mn 257.610	37.6	0.0001	0.00002	mg/L	0.0001	0.00002	ppm	26.77%
Mo 202.030	-2.0	-0.0001	0.00019	mg/L	-0.0001	0.00019	ppm	132.17%
Na 330.237	-41.7	0.5247	0.23361	mg/L	0.5247	0.23361	ppm	44.52%
Ni 231.604	-26.9	-0.0007	0.00034	mg/L	-0.0007	0.00034	ppm	51.16%
Pb 220.353	-18.2	-0.0013	0.00184	mg/L	-0.0013	0.00184	ppm	145.70%
Sb 206.833	8.8	0.0035	0.00198	mg/L	0.0035	0.00198	ppm	56.31%
Se 196.026	-4.4	-0.0013	0.00208	mg/L	-0.0013	0.00208	ppm	157.45%
Tl 190.800	-6.9	-0.0022	0.00226	mg/L	-0.0022	0.00226	ppm	104.41%
V 292.402	-42.1	-0.0004	0.00111	mg/L	-0.0004	0.00111	ppm	267.04%
Zn 213.856	7.4	0.0001	0.00016	mg/L	0.0001	0.00016	ppm	119.00%

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

ID: LCS-03M1385 Date: 04/28/03 11:55:19 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	71370.9	71791.4	0.9389	mg/L	0.9389	ppm
1	Al 308.215	20806.1	20363.6	2.178	mg/L	2.178	ppm
1	As 188.979	1339.6	1350.0	0.4899	mg/L	0.4899	ppm
1	Ba 233.527	443718.5	444151.4	4.017	mg/L	4.017	ppm
1	Be 313.107	472563.6	474864.3	0.1917	mg/L	0.1917	ppm
1	Ca 227.547	1694.3	1726.6	20.98	mg/L	20.98	ppm
1	Cd 228.802	10735.7	10609.8	0.2559	mg/L	0.2559	ppm
1	Co 228.616	36857.6	36786.1	1.011	mg/L	1.011	ppm
1	Cr 267.716	44924.2	44987.1	0.9804	mg/L	0.9804	ppm
1	Cu 324.754	109503.7	108955.2	0.9578	mg/L	0.9578	ppm
1	Fe 273.955	21709.8	21889.4	1.018	mg/L	1.018	ppm
1	K 766.491	281149.5	275062.3	5.226	mg/L	5.226	ppm
1	Mg 279.079	90727.3	91742.4	9.387	mg/L	9.387	ppm
1	Mn 257.610	403062.4	406445.6	0.9490	mg/L	0.9490	ppm
1	Mo 202.030	27744.5	27858.9	2.028	mg/L	2.028	ppm
1	Na 330.237	18913.3	17679.3	40.75	mg/L	40.75	ppm
1	Ni 231.604	38964.7	39017.8	0.9700	mg/L	0.9700	ppm
1	Pb 220.353	45112.4	44777.9	3.103	mg/L	3.103	ppm
1	Sb 206.833	1312.0	1281.2	0.5123	mg/L	0.5123	ppm

1	Se 196.026	1620.3	1615.8	0.4905	mg/L	0.4905 ppm
1	Tl 190.800	1577.1	1610.9	0.5094	mg/L	0.5094 ppm
1	V 292.402	196327.6	196045.0	1.942	mg/L	1.942 ppm
1	Zn 213.856	26876.8	26920.5	0.5048	mg/L	0.5048 ppm
2	Ag 328.068	73485.0	73905.5	0.9666	mg/L	0.9666 ppm
2	Al 308.215	20252.7	19810.1	2.119	mg/L	2.119 ppm
2	As 188.979	1336.0	1346.4	0.4887	mg/L	0.4887 ppm
2	Ba 233.527	450018.0	450450.9	4.074	mg/L	4.074 ppm
2	Be 313.107	484587.3	486888.0	0.1966	mg/L	0.1966 ppm
2	Ca 227.547	1558.0	1590.4	19.32	mg/L	19.32 ppm
2	Cd 228.802	10533.7	10407.8	0.2511	mg/L	0.2511 ppm
2	Co 228.616	36211.7	36140.2	0.9937	mg/L	0.9937 ppm
2	Cr 267.716	45767.4	45830.3	0.9988	mg/L	0.9988 ppm
2	Cu 324.754	112840.0	112291.5	0.9872	mg/L	0.9872 ppm
2	Fe 273.955	21310.7	21490.3	0.9995	mg/L	0.9995 ppm
2	K 766.491	290679.8	284592.6	5.397	mg/L	5.397 ppm
2	Mg 279.079	92860.3	93875.4	9.605	mg/L	9.605 ppm
2	Mn 257.610	410707.6	414090.8	0.9669	mg/L	0.9669 ppm
2	Mo 202.030	27174.4	27288.8	1.986	mg/L	1.986 ppm
2	Na 330.237	19199.8	17965.8	41.38	mg/L	41.38 ppm
2	Ni 231.604	39994.2	40047.3	0.9956	mg/L	0.9956 ppm
2	Pb 220.353	44077.1	43742.5	3.031	mg/L	3.031 ppm
2	Sb 206.833	1306.7	1276.0	0.5103	mg/L	0.5103 ppm
2	Se 196.026	1632.9	1628.4	0.4944	mg/L	0.4944 ppm
2	Tl 190.800	1608.5	1642.3	0.5193	mg/L	0.5193 ppm
2	V 292.402	200919.9	200637.3	1.988	mg/L	1.988 ppm
2	Zn 213.856	26250.7	26294.4	0.4931	mg/L	0.4931 ppm
3	Ag 328.068	69335.5	69756.0	0.9123	mg/L	0.9123 ppm
3	Al 308.215	20180.8	19738.3	2.111	mg/L	2.111 ppm
3	As 188.979	1353.6	1363.9	0.4948	mg/L	0.4948 ppm
3	Ba 233.527	429151.5	429584.3	3.885	mg/L	3.885 ppm
3	Be 313.107	458123.8	460424.5	0.1859	mg/L	0.1859 ppm
3	Ca 227.547	1693.4	1725.8	20.97	mg/L	20.97 ppm
3	Cd 228.802	10393.3	10267.4	0.2477	mg/L	0.2477 ppm
3	Co 228.616	35948.9	35877.4	0.9865	mg/L	0.9865 ppm
3	Cr 267.716	43315.2	43378.1	0.9453	mg/L	0.9453 ppm
3	Cu 324.754	106562.4	106013.9	0.9320	mg/L	0.9320 ppm
3	Fe 273.955	21190.5	21370.1	0.9943	mg/L	0.9943 ppm
3	K 766.491	278232.2	272144.9	5.173	mg/L	5.173 ppm
3	Mg 279.079	87859.8	88874.9	9.093	mg/L	9.093 ppm
3	Mn 257.610	390829.7	394212.9	0.9205	mg/L	0.9205 ppm
3	Mo 202.030	26950.9	27065.3	1.970	mg/L	1.970 ppm
3	Na 330.237	18615.7	17381.7	40.10	mg/L	40.10 ppm
3	Ni 231.604	37681.4	37734.5	0.9381	mg/L	0.9381 ppm
3	Pb 220.353	44016.4	43681.8	3.027	mg/L	3.027 ppm
3	Sb 206.833	1300.2	1269.5	0.5077	mg/L	0.5077 ppm
3	Se 196.026	1603.3	1598.8	0.4854	mg/L	0.4854 ppm
3	Tl 190.800	1583.8	1617.6	0.5114	mg/L	0.5114 ppm
3	V 292.402	190517.9	190235.3	1.885	mg/L	1.885 ppm
3	Zn 213.856	26142.1	26185.8	0.4911	mg/L	0.4911 ppm

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

ID: LCS-03M1385 Seq. No.: 13 Sample No.: 2 A/S Pos: 11
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:55:19 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	71817.6	0.9393	0.02714	mg/L	0.9393	0.02714	ppm	2.89%
Al 308.215	19970.7	2.136	0.0366	mg/L	2.136	0.0366	ppm	1.71%
As 188.979	1353.4	0.4911	0.00321	mg/L	0.4911	0.00321	ppm	0.65%
Ba 233.527	441395.5	3.992	0.0968	mg/L	3.992	0.0968	ppm	2.42%
Be 313.107	474059.0	0.1914	0.00535	mg/L	0.1914	0.00535	ppm	2.80%
Ca 227.547	1680.9	20.42	0.953	mg/L	20.42	0.953	ppm	4.67%
Cd 228.802	10428.3	0.2515	0.00415	mg/L	0.2515	0.00415	ppm	1.65%
Co 228.616	36267.9	0.9972	0.01286	mg/L	0.9972	0.01286	ppm	1.29%
Cr 267.716	44731.8	0.9748	0.02715	mg/L	0.9748	0.02715	ppm	2.79%
Cu 324.754	109086.9	0.9590	0.02761	mg/L	0.9590	0.02761	ppm	2.88%
Fe 273.955	21583.3	1.004	0.0127	mg/L	1.004	0.0127	ppm	1.26%
K 766.491	277266.6	5.266	0.1171	mg/L	5.266	0.1171	ppm	2.22%
Mg 279.079	91497.6	9.362	0.2567	mg/L	9.362	0.2567	ppm	2.74%

Mn 257.610	404916.4	0.9455	0.02341 mg/L	0.9455	0.02341 ppm	2.48%
Mo 202.030	27404.3	1.995	0.0298 mg/L	1.995	0.0298 ppm	1.49%
Na 330.237	17675.6	40.74	0.643 mg/L	40.74	0.643 ppm	1.58%
Ni 231.604	38933.2	0.9679	0.02881 mg/L	0.9679	0.02881 ppm	2.98%
Pb 220.353	44067.4	3.053	0.0427 mg/L	3.053	0.0427 ppm	1.40%
Sb 206.833	1275.6	0.5101	0.00233 mg/L	0.5101	0.00233 ppm	0.46%
Se 196.026	1614.4	0.4901	0.00451 mg/L	0.4901	0.00451 ppm	0.92%
Tl 190.800	1623.6	0.5134	0.00525 mg/L	0.5134	0.00525 ppm	1.02%
V 292.402	195639.2	1.938	0.0516 mg/L	1.938	0.0516 ppm	2.66%
Zn 213.856	26466.9	0.4963	0.00744 mg/L	0.4963	0.00744 ppm	1.50%

Matrix Check Sample: LCS-03M1385

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9393	0.027	mg/L	93.804
Al 308.215	2.007	2.136	0.037	mg/L	106.474
As 188.979	0.4991	0.4911	0.003	mg/L	98.407
Ba 233.527	4.000	3.992	0.097	mg/L	99.788
Be 313.107	0.2000	0.1914	0.005	mg/L	95.720
Ca 227.547	19.91	20.42	0.953	mg/L	102.577
Cd 228.802	0.2501	0.2515	0.004	mg/L	100.563
Co 228.616	1.000	0.9972	0.013	mg/L	99.712
Cr 267.716	0.9997	0.9748	0.027	mg/L	97.510
Cu 324.754	0.9994	0.9590	0.028	mg/L	95.955
Fe 273.955	1.001	1.004	0.013	mg/L	100.338
K 766.491	5.066	5.266	0.117	mg/L	103.983
Mg 279.079	9.999	9.362	0.257	mg/L	93.626
Mn 257.610	1.000	0.9455	0.023	mg/L	94.537
Mo 202.030	2.000	1.995	0.030	mg/L	99.733
Na 330.237	40.52	40.74	0.643	mg/L	100.544
Ni 231.604	0.9993	0.9679	0.029	mg/L	96.860
Pb 220.353	2.999	3.053	0.043	mg/L	101.820
Sb 206.833	0.5035	0.5101	0.002	mg/L	101.316
Se 196.026	0.4987	0.4901	0.005	mg/L	98.284
Tl 190.800	0.4978	0.5134	0.005	mg/L	103.107
V 292.402	2.000	1.938	0.052	mg/L	96.938
Zn 213.856	0.5001	0.4963	0.007	mg/L	99.240

Replicate Data ----------
ID: LCSD-03M1385 Date: 04/28/03 11:57:52 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Conc.	Sample Units
1	Ag 328.068	72760.0	73180.5	0.9571	mg/L	0.9571	ppm
1	Al 308.215	20316.6	19874.0	2.126	mg/L	2.126	ppm
1	As 188.979	1343.2	1353.6	0.4913	mg/L	0.4913	ppm
1	Ba 233.527	448661.1	449094.0	4.061	mg/L	4.061	ppm
1	Be 313.107	478297.8	480598.5	0.1941	mg/L	0.1941	ppm
1	Ca 227.547	1641.7	1674.0	20.34	mg/L	20.34	ppm
1	Cd 228.802	10288.0	10162.1	0.2451	mg/L	0.2451	ppm
1	Co 228.616	35680.5	35609.1	0.9791	mg/L	0.9791	ppm
1	Cr 267.716	45547.8	45610.7	0.9940	mg/L	0.9940	ppm
1	Cu 324.754	110830.3	110281.8	0.9695	mg/L	0.9695	ppm
1	Fe 273.955	20917.0	21096.7	0.9811	mg/L	0.9811	ppm
1	K 766.491	284183.7	278096.4	5.281	mg/L	5.281	ppm
1	Mg 279.079	92143.3	93158.4	9.532	mg/L	9.532	ppm
1	Mn 257.610	407507.9	410891.1	0.9594	mg/L	0.9594	ppm
1	Mo 202.030	27294.6	27409.0	1.995	mg/L	1.995	ppm
1	Na 330.237	19246.3	18012.3	41.48	mg/L	41.48	ppm
1	Ni 231.604	38556.7	38609.7	0.9599	mg/L	0.9599	ppm
1	Pb 220.353	43569.2	43234.7	2.996	mg/L	2.996	ppm
1	Sb 206.833	1302.5	1271.7	0.5085	mg/L	0.5085	ppm
1	Se 196.026	1588.4	1583.9	0.4809	mg/L	0.4809	ppm
1	Tl 190.800	1560.0	1593.8	0.5040	mg/L	0.5040	ppm
1	V 292.402	199006.4	198723.8	1.969	mg/L	1.969	ppm
1	Zn 213.856	25779.9	25823.6	0.4843	mg/L	0.4843	ppm
2	Ag 328.068	71448.7	71869.2	0.9399	mg/L	0.9399	ppm
2	Al 308.215	19771.1	19328.5	2.068	mg/L	2.068	ppm
2	As 188.979	1311.7	1322.0	0.4798	mg/L	0.4798	ppm

2 Ba 233.527	442125.5	442558.3	4.002	mg/L	4.002	ppm
2 Be 313.107	471538.4	473839.1	0.1913	mg/L	0.1913	ppm
2 Ca 227.547	1670.7	1703.1	20.69	mg/L	20.69	ppm
2 Cd 228.802	10188.5	10062.6	0.2427	mg/L	0.2427	ppm
2 Co 228.616	35157.1	35085.6	0.9647	mg/L	0.9647	ppm
2 Cr 267.716	44752.8	44815.7	0.9767	mg/L	0.9767	ppm
2 Cu 324.754	109128.9	108580.4	0.9545	mg/L	0.9545	ppm
2 Fe 273.955	20824.1	21003.8	0.9768	mg/L	0.9768	ppm
2 K 766.491	281178.2	275090.9	5.226	mg/L	5.226	ppm
2 Mg 279.079	90917.6	91932.7	9.406	mg/L	9.406	ppm
2 Mn 257.610	401836.4	405219.6	0.9462	mg/L	0.9462	ppm
2 Mo 202.030	26522.4	26636.8	1.939	mg/L	1.939	ppm
2 Na 330.237	18783.4	17549.4	40.46	mg/L	40.46	ppm
2 Ni 231.604	38087.4	38140.5	0.9482	mg/L	0.9482	ppm
2 Pb 220.353	43079.1	42744.5	2.962	mg/L	2.962	ppm
2 Sb 206.833	1262.2	1231.4	0.4924	mg/L	0.4924	ppm
2 Se 196.026	1567.8	1563.3	0.4746	mg/L	0.4746	ppm
2 Tl 190.800	1593.2	1627.0	0.5144	mg/L	0.5144	ppm
2 V 292.402	196329.2	196046.6	1.942	mg/L	1.942	ppm
2 Zn 213.856	25455.3	25499.0	0.4782	mg/L	0.4782	ppm
3 Ag 328.068	72805.9	73226.4	0.9577	mg/L	0.9577	ppm
3 Al 308.215	20806.7	20364.1	2.178	mg/L	2.178	ppm
3 As 188.979	1338.8	1349.1	0.4896	mg/L	0.4896	ppm
3 Ba 233.527	445309.2	445742.1	4.031	mg/L	4.031	ppm
3 Be 313.107	478238.9	480539.7	0.1940	mg/L	0.1940	ppm
3 Ca 227.547	1556.9	1589.2	19.31	mg/L	19.31	ppm
3 Cd 228.802	10588.8	10462.9	0.2524	mg/L	0.2524	ppm
3 Co 228.616	36641.7	36570.2	1.006	mg/L	1.006	ppm
3 Cr 267.716	45318.9	45381.8	0.9890	mg/L	0.9890	ppm
3 Cu 324.754	110348.1	109799.6	0.9653	mg/L	0.9653	ppm
3 Fe 273.955	21690.0	21869.6	1.017	mg/L	1.017	ppm
3 K 766.491	284842.1	278754.8	5.292	mg/L	5.292	ppm
3 Mg 279.079	91739.3	92754.4	9.490	mg/L	9.490	ppm
3 Mn 257.610	405022.1	408405.3	0.9536	mg/L	0.9536	ppm
3 Mo 202.030	27749.9	27864.3	2.028	mg/L	2.028	ppm
3 Na 330.237	18827.3	17593.3	40.56	mg/L	40.56	ppm
3 Ni 231.604	39711.7	39764.8	0.9886	mg/L	0.9886	ppm
3 Pb 220.353	44683.0	44348.4	3.073	mg/L	3.073	ppm
3 Sb 206.833	1266.2	1235.5	0.4941	mg/L	0.4941	ppm
3 Se 196.026	1653.0	1648.5	0.5005	mg/L	0.5005	ppm
3 Tl 190.800	1685.2	1719.0	0.5434	mg/L	0.5434	ppm
3 V 292.402	199123.4	198840.9	1.970	mg/L	1.970	ppm
3 Zn 213.856	26695.8	26739.5	0.5015	mg/L	0.5015	ppm

Mean Data

ID: LCSD-03M1385 Seq. No.: 14 Sample No.: 3 A/S Pos: 12
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 11:57:52 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	72758.7	0.9516	0.01008	mg/L	0.9516	0.01008	ppm	1.06%
Al 308.215	19855.6	2.124	0.0554	mg/L	2.124	0.0554	ppm	2.61%
As 188.979	1341.6	0.4869	0.00617	mg/L	0.4869	0.00617	ppm	1.27%
Ba 233.527	445798.1	4.031	0.0296	mg/L	4.031	0.0296	ppm	0.73%
Be 313.107	478325.8	0.1931	0.00157	mg/L	0.1931	0.00157	ppm	0.81%
Ca 227.547	1655.4	20.11	0.719	mg/L	20.11	0.719	ppm	3.57%
Cd 228.802	10229.2	0.2467	0.00503	mg/L	0.2467	0.00503	ppm	2.04%
Co 228.616	35755.0	0.9831	0.02070	mg/L	0.9831	0.02070	ppm	2.11%
Cr 267.716	45269.4	0.9865	0.00892	mg/L	0.9865	0.00892	ppm	0.90%
Cu 324.754	109553.9	0.9631	0.00771	mg/L	0.9631	0.00771	ppm	0.80%
Fe 273.955	21323.4	0.9918	0.02230	mg/L	0.9918	0.02230	ppm	2.25%
K 766.491	277314.1	5.266	0.0351	mg/L	5.266	0.0351	ppm	0.67%
Mg 279.079	92615.2	9.476	0.0639	mg/L	9.476	0.0639	ppm	0.67%
Mn 257.610	408172.0	0.9531	0.00664	mg/L	0.9531	0.00664	ppm	0.70%
Mo 202.030	27303.4	1.987	0.0452	mg/L	1.987	0.0452	ppm	2.27%
Na 330.237	17718.3	40.84	0.562	mg/L	40.84	0.562	ppm	1.38%
Ni 231.604	38838.3	0.9656	0.02078	mg/L	0.9656	0.02078	ppm	2.15%
Pb 220.353	43442.5	3.010	0.0569	mg/L	3.010	0.0569	ppm	1.89%
Sb 206.833	1246.2	0.4984	0.00886	mg/L	0.4984	0.00886	ppm	1.78%
Se 196.026	1598.6	0.4853	0.01350	mg/L	0.4853	0.01350	ppm	2.78%
Tl 190.800	1646.6	0.5206	0.02039	mg/L	0.5206	0.02039	ppm	3.92%

V 292.402	197870.4	1.960	0.0157 mg/L	1.960	0.0157 ppm	0.80%
Zn 213.856	26020.7	0.4880	0.01206 mg/L	0.4880	0.01206 ppm	2.47%

Matrix Check Sample: LCSD-03M1385

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9516	0.010	mg/L	95.035
Al 308.215	2.007	2.124	0.055	mg/L	105.858
As 188.979	0.4991	0.4869	0.006	mg/L	97.565
Ba 233.527	4.000	4.031	0.030	mg/L	100.784
Be 313.107	0.2000	0.1931	0.002	mg/L	96.582
Ca 227.547	19.91	20.11	0.719	mg/L	101.029
Cd 228.802	0.2501	0.2467	0.005	mg/L	98.642
Co 228.616	1.000	0.9831	0.021	mg/L	98.302
Cr 267.716	0.9997	0.9865	0.009	mg/L	98.682
Cu 324.754	0.9994	0.9631	0.008	mg/L	96.365
Fe 273.955	1.001	0.9918	0.022	mg/L	99.108
K 766.491	5.066	5.266	0.035	mg/L	104.001
Mg 279.079	9.999	9.476	0.064	mg/L	94.770
Mn 257.610	1.000	0.9531	0.007	mg/L	95.297
Mo 202.030	2.000	1.987	0.045	mg/L	99.366
Na 330.237	40.52	40.84	0.562	mg/L	100.780
Ni 231.604	0.9993	0.9656	0.021	mg/L	96.625
Pb 220.353	2.999	3.010	0.057	mg/L	100.377
Sb 206.833	0.5035	0.4984	0.009	mg/L	98.967
Se 196.026	0.4987	0.4853	0.013	mg/L	97.328
Tl 190.800	0.4978	0.5206	0.020	mg/L	104.559
V 292.402	2.000	1.960	0.016	mg/L	98.043
Zn 213.856	0.5001	0.4880	0.012	mg/L	97.567

Replicate Data ----------
ID: 2864-6 S F=1 Date: 04/28/03 12:00:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-393.3	27.2	0.0004	mg/L	0.0004	ppm
1	Al 308.215	970.4	527.9	0.0565	mg/L	0.0565	ppm
1	As 188.979	-18.0	-7.7	-0.0028	mg/L	-0.0028	ppm
1	Ba 233.527	219.4	652.3	0.0059	mg/L	0.0059	ppm
1	Be 313.107	-2344.7	-43.9	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	2.1	34.4	0.4184	mg/L	0.4184	ppm
1	Cd 228.802	124.3	-1.6	0.0000	mg/L	0.0000	ppm
1	Co 228.616	70.9	-0.5	0.0000	mg/L	0.0000	ppm
1	Cr 267.716	17.6	80.5	0.0018	mg/L	0.0018	ppm
1	Cu 324.754	5779.9	5231.4	0.0460	mg/L	0.0460	ppm
1	Fe 273.955	1895.2	2074.8	0.0974	mg/L	0.0974	ppm
1	K 766.491	9133.9	3046.6	0.1300	mg/L	0.1300	ppm
1	Mg 279.079	-453.8	561.3	0.0574	mg/L	0.0574	ppm
1	Mn 257.610	-2821.8	561.4	0.0013	mg/L	0.0013	ppm
1	Mo 202.030	-105.6	8.8	0.0006	mg/L	0.0006	ppm
1	Na 330.237	1722.9	488.9	1.767	mg/L	1.767	ppm
1	Ni 231.604	-9.7	43.3	0.0011	mg/L	0.0011	ppm
1	Pb 220.353	336.3	1.8	0.0001	mg/L	0.0001	ppm
1	Sb 206.833	41.2	10.5	0.0042	mg/L	0.0042	ppm
1	Se 196.026	4.7	0.2	0.0001	mg/L	0.0001	ppm
1	Tl 190.800	-28.5	5.3	0.0017	mg/L	0.0017	ppm
1	V 292.402	259.7	-22.9	-0.0002	mg/L	-0.0002	ppm
1	Zn 213.856	534.7	578.4	0.0108	mg/L	0.0108	ppm
2	Ag 328.068	-305.9	114.6	0.0015	mg/L	0.0015	ppm
2	Al 308.215	847.0	404.5	0.0433	mg/L	0.0433	ppm
2	As 188.979	-18.1	-7.7	-0.0028	mg/L	-0.0028	ppm
2	Ba 233.527	199.5	632.4	0.0057	mg/L	0.0057	ppm
2	Be 313.107	-2365.2	-64.4	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	-3.1	29.2	0.3546	mg/L	0.3546	ppm
2	Cd 228.802	131.7	5.8	0.0001	mg/L	0.0001	ppm
2	Co 228.616	79.1	7.6	0.0002	mg/L	0.0002	ppm
2	Cr 267.716	2.8	65.7	0.0014	mg/L	0.0014	ppm
2	Cu 324.754	5771.2	5222.7	0.0459	mg/L	0.0459	ppm
2	Fe 273.955	1786.7	1966.3	0.0923	mg/L	0.0923	ppm

2 K 766.491	9414.0	3326.8	0.1354 mg/L	0.1354 ppm
2 Mg 279.079	-459.4	555.7	0.0569 mg/L	0.0569 ppm
2 Mn 257.610	-2870.0	513.2	0.0012 mg/L	0.0012 ppm
2 Mo 202.030	-105.7	8.7	0.0006 mg/L	0.0006 ppm
2 Na 330.237	1758.3	524.2	1.849 mg/L	1.849 ppm
2 Ni 231.604	-25.6	27.5	0.0007 mg/L	0.0007 ppm
2 Pb 220.353	331.9	-2.7	-0.0002 mg/L	-0.0002 ppm
2 Sb 206.833	33.9	3.1	0.0013 mg/L	0.0013 ppm
2 Se 196.026	10.4	5.9	0.0018 mg/L	0.0018 ppm
2 Tl 190.800	-37.3	-3.5	-0.0011 mg/L	-0.0011 ppm
2 V 292.402	337.3	54.7	0.0005 mg/L	0.0005 ppm
2 Zn 213.856	528.7	572.4	0.0107 mg/L	0.0107 ppm
3 Ag 328.068	-286.0	134.5	0.0018 mg/L	0.0018 ppm
3 Al 308.215	1051.8	609.3	0.0652 mg/L	0.0652 ppm
3 As 188.979	-17.9	-7.6	-0.0027 mg/L	-0.0027 ppm
3 Ba 233.527	141.8	574.7	0.0052 mg/L	0.0052 ppm
3 Be 313.107	-2177.9	122.8	0.0000 mg/L	0.0000 ppm
3 Ca 227.547	-1.3	31.1	0.3776 mg/L	0.3776 ppm
3 Cd 228.802	143.4	17.5	0.0004 mg/L	0.0004 ppm
3 Co 228.616	69.6	-1.9	-0.0001 mg/L	-0.0001 ppm
3 Cr 267.716	10.4	73.3	0.0016 mg/L	0.0016 ppm
3 Cu 324.754	5436.4	4887.9	0.0430 mg/L	0.0430 ppm
3 Fe 273.955	1815.7	1995.4	0.0937 mg/L	0.0937 ppm
3 K 766.491	9187.9	3100.6	0.1310 mg/L	0.1310 ppm
3 Mg 279.079	-615.0	400.1	0.0409 mg/L	0.0409 ppm
3 Mn 257.610	-2917.6	465.6	0.0011 mg/L	0.0011 ppm
3 Mo 202.030	-109.8	4.6	0.0003 mg/L	0.0003 ppm
3 Na 330.237	1579.7	345.7	1.432 mg/L	1.432 ppm
3 Ni 231.604	-6.4	46.7	0.0012 mg/L	0.0012 ppm
3 Pb 220.353	342.3	7.8	0.0005 mg/L	0.0005 ppm
3 Sb 206.833	33.4	2.6	0.0010 mg/L	0.0010 ppm
3 Se 196.026	-1.1	-5.6	-0.0017 mg/L	-0.0017 ppm
3 Tl 190.800	-41.7	-7.9	-0.0025 mg/L	-0.0025 ppm
3 V 292.402	257.5	-25.1	-0.0002 mg/L	-0.0002 ppm
3 Zn 213.856	510.4	554.1	0.0104 mg/L	0.0104 ppm

Mean Data

ID: 2864-6 S F=1 Seq. No.: 15 Sample No.: 4 A/S Pos: 13
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:00:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	92.1	0.0012	0.00075	mg/L	0.0012	0.00075	ppm	61.96%
Al 308.215	513.9	0.0550	0.01103	mg/L	0.0550	0.01103	ppm	20.06%
As 188.979	-7.6	-0.0027	0.00003	mg/L	-0.0027	0.00003	ppm	1.06%
Ba 233.527	619.8	0.0056	0.00036	mg/L	0.0056	0.00036	ppm	6.50%
Be 313.107	4.8	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	>999.9%
Ca 227.547	31.6	0.3835	0.03230	mg/L	0.3835	0.03230	ppm	8.42%
Cd 228.802	7.2	0.0002	0.00023	mg/L	0.0002	0.00023	ppm	133.39%
Co 228.616	1.7	0.0000	0.00014	mg/L	0.0000	0.00014	ppm	299.17%
Cr 267.716	73.2	0.0016	0.00016	mg/L	0.0016	0.00016	ppm	10.13%
Cu 324.754	5114.0	0.0450	0.00172	mg/L	0.0450	0.00172	ppm	3.83%
Fe 273.955	2012.2	0.0945	0.00264	mg/L	0.0945	0.00264	ppm	2.79%
K 766.491	3158.0	0.1321	0.00290	mg/L	0.1321	0.00290	ppm	2.20%
Mg 279.079	505.7	0.0517	0.00936	mg/L	0.0517	0.00936	ppm	18.09%
Mn 257.610	513.4	0.0012	0.00011	mg/L	0.0012	0.00011	ppm	9.33%
Mo 202.030	7.4	0.0005	0.00017	mg/L	0.0005	0.00017	ppm	32.54%
Na 330.237	453.0	1.683	0.2211	mg/L	1.683	0.2211	ppm	13.14%
Ni 231.604	39.2	0.0010	0.00026	mg/L	0.0010	0.00026	ppm	26.20%
Pb 220.353	2.3	0.0002	0.00036	mg/L	0.0002	0.00036	ppm	228.57%
Sb 206.833	5.4	0.0022	0.00176	mg/L	0.0022	0.00176	ppm	81.39%
Se 196.026	0.2	0.0001	0.00175	mg/L	0.0001	0.00175	ppm	>999.9%
Tl 190.800	-2.0	-0.0006	0.00212	mg/L	-0.0006	0.00212	ppm	332.34%
V 292.402	2.3	0.0000	0.00045	mg/L	0.0000	0.00045	ppm	>999.9%
Zn 213.856	568.3	0.0107	0.00024	mg/L	0.0107	0.00024	ppm	2.23%

Replicate Data

ID: 2864-6 D F=1 Date: 04/28/03 12:04:11 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units

1 Ag 328.068	-322.6	97.9	0.0013 mg/L	0.0013 ppm
1 Al 308.215	655.2	212.7	0.0227 mg/L	0.0227 ppm
1 As 188.979	-15.8	-5.4	-0.0020 mg/L	-0.0020 ppm
1 Ba 233.527	30.6	463.4	0.0042 mg/L	0.0042 ppm
1 Be 313.107	-2203.5	97.2	0.0000 mg/L	0.0000 ppm
1 Ca 227.547	7.5	39.9	0.4845 mg/L	0.4845 ppm
1 Cd 228.802	145.1	19.2	0.0005 mg/L	0.0005 ppm
1 Co 228.616	64.8	-6.7	-0.0002 mg/L	-0.0002 ppm
1 Cr 267.716	15.9	78.8	0.0017 mg/L	0.0017 ppm
1 Cu 324.754	5684.5	5136.0	0.0452 mg/L	0.0452 ppm
1 Fe 273.955	1508.0	1687.6	0.0792 mg/L	0.0792 ppm
1 K 766.491	10149.3	4062.0	0.1498 mg/L	0.1498 ppm
1 Mg 279.079	-282.6	732.5	0.0749 mg/L	0.0749 ppm
1 Mn 257.610	-2768.1	615.2	0.0014 mg/L	0.0014 ppm
1 Mo 202.030	-117.1	-2.7	-0.0002 mg/L	-0.0002 ppm
1 Na 330.237	1756.2	522.2	1.845 mg/L	1.845 ppm
1 Ni 231.604	-10.2	42.9	0.0011 mg/L	0.0011 ppm
1 Pb 220.353	335.6	1.1	0.0001 mg/L	0.0001 ppm
1 Sb 206.833	38.5	7.7	0.0031 mg/L	0.0031 ppm
1 Se 196.026	11.8	7.4	0.0022 mg/L	0.0022 ppm
1 Tl 190.800	-43.0	-9.2	-0.0029 mg/L	-0.0029 ppm
1 V 292.402	328.8	46.2	0.0005 mg/L	0.0005 ppm
1 Zn 213.856	369.1	412.8	0.0077 mg/L	0.0077 ppm
2 Ag 328.068	-421.3	-0.8	0.0000 mg/L	0.0000 ppm
2 Al 308.215	820.9	378.4	0.0405 mg/L	0.0405 ppm
2 As 188.979	-15.3	-5.0	-0.0018 mg/L	-0.0018 ppm
2 Ba 233.527	-17.2	415.6	0.0038 mg/L	0.0038 ppm
2 Be 313.107	-2533.3	-232.6	-0.0001 mg/L	-0.0001 ppm
2 Ca 227.547	-17.7	14.6	0.1774 mg/L	0.1774 ppm
2 Cd 228.802	133.2	7.3	0.0002 mg/L	0.0002 ppm
2 Co 228.616	78.5	7.1	0.0002 mg/L	0.0002 ppm
2 Cr 267.716	-17.2	45.7	0.0010 mg/L	0.0010 ppm
2 Cu 324.754	5503.2	4954.7	0.0436 mg/L	0.0436 ppm
2 Fe 273.955	1432.4	1612.1	0.0757 mg/L	0.0757 ppm
2 K 766.491	10542.9	4455.6	0.1575 mg/L	0.1575 ppm
2 Mg 279.079	-427.9	587.2	0.0601 mg/L	0.0601 ppm
2 Mn 257.610	-2832.5	550.7	0.0013 mg/L	0.0013 ppm
2 Mo 202.030	-108.2	6.2	0.0005 mg/L	0.0005 ppm
2 Na 330.237	1816.6	582.6	1.986 mg/L	1.986 ppm
2 Ni 231.604	-6.5	46.6	0.0012 mg/L	0.0012 ppm
2 Pb 220.353	340.7	6.1	0.0004 mg/L	0.0004 ppm
2 Sb 206.833	37.0	6.3	0.0025 mg/L	0.0025 ppm
2 Se 196.026	10.3	5.9	0.0018 mg/L	0.0018 ppm
2 Tl 190.800	-33.7	0.1	0.0000 mg/L	0.0000 ppm
2 V 292.402	342.3	59.7	0.0006 mg/L	0.0006 ppm
2 Zn 213.856	366.4	410.1	0.0077 mg/L	0.0077 ppm
3 Ag 328.068	-389.8	30.7	0.0004 mg/L	0.0004 ppm
3 Al 308.215	888.3	445.7	0.0477 mg/L	0.0477 ppm
3 As 188.979	-17.4	-7.0	-0.0025 mg/L	-0.0025 ppm
3 Ba 233.527	-21.3	411.6	0.0037 mg/L	0.0037 ppm
3 Be 313.107	-2185.8	114.9	0.0000 mg/L	0.0000 ppm
3 Ca 227.547	0.1	32.4	0.3941 mg/L	0.3941 ppm
3 Cd 228.802	129.8	3.9	0.0001 mg/L	0.0001 ppm
3 Co 228.616	60.2	-11.2	-0.0003 mg/L	-0.0003 ppm
3 Cr 267.716	9.3	72.2	0.0016 mg/L	0.0016 ppm
3 Cu 324.754	5706.8	5158.3	0.0453 mg/L	0.0453 ppm
3 Fe 273.955	1432.2	1611.9	0.0757 mg/L	0.0757 ppm
3 K 766.491	9857.3	3770.1	0.1441 mg/L	0.1441 ppm
3 Mg 279.079	-485.5	529.6	0.0542 mg/L	0.0542 ppm
3 Mn 257.610	-2884.5	498.7	0.0012 mg/L	0.0012 ppm
3 Mo 202.030	-123.6	-9.2	-0.0007 mg/L	-0.0007 ppm
3 Na 330.237	1599.8	365.8	1.479 mg/L	1.479 ppm
3 Ni 231.604	-6.4	46.7	0.0012 mg/L	0.0012 ppm
3 Pb 220.353	341.0	6.5	0.0004 mg/L	0.0004 ppm
3 Sb 206.833	38.8	8.1	0.0032 mg/L	0.0032 ppm
3 Se 196.026	-1.6	-6.0	-0.0018 mg/L	-0.0018 ppm
3 Tl 190.800	-33.3	0.5	0.0001 mg/L	0.0001 ppm
3 V 292.402	137.5	-145.1	-0.0014 mg/L	-0.0014 ppm
3 Zn 213.856	358.0	401.7	0.0075 mg/L	0.0075 ppm

Mean Data

ID: 2864-6 D F=1 Seq. No.: 16 Sample No.: 5 A/S Pos: 14
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:04:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	42.6	0.0006	0.00066	mg/L	0.0006	0.00066	ppm	118.23%
Al 308.215	345.6	0.0370	0.01283	mg/L	0.0370	0.01283	ppm	34.70%
As 188.979	-5.8	-0.0021	0.00039	mg/L	-0.0021	0.00039	ppm	18.68%
Ba 233.527	430.2	0.0039	0.00026	mg/L	0.0039	0.00026	ppm	6.70%
Be 313.107	-6.8	0.0000	0.00008	mg/L	0.0000	0.00008	ppm	>999.9%
Ca 227.547	29.0	0.3520	0.15782	mg/L	0.3520	0.15782	ppm	44.83%
Cd 228.802	10.1	0.0002	0.00019	mg/L	0.0002	0.00019	ppm	79.29%
Co 228.616	-3.6	-0.0001	0.00026	mg/L	-0.0001	0.00026	ppm	261.62%
Cr 267.716	65.6	0.0014	0.00038	mg/L	0.0014	0.00038	ppm	26.67%
Cu 324.754	5083.0	0.0447	0.00098	mg/L	0.0447	0.00098	ppm	2.20%
Fe 273.955	1637.2	0.0769	0.00205	mg/L	0.0769	0.00205	ppm	2.67%
K 766.491	4095.9	0.1505	0.00672	mg/L	0.1505	0.00672	ppm	4.46%
Mg 279.079	616.4	0.0631	0.01069	mg/L	0.0631	0.01069	ppm	16.96%
Mn 257.610	554.8	0.0013	0.00014	mg/L	0.0013	0.00014	ppm	10.52%
Mo 202.030	-1.9	-0.0001	0.00056	mg/L	-0.0001	0.00056	ppm	404.66%
Na 330.237	490.2	1.770	0.2617	mg/L	1.770	0.2617	ppm	14.79%
Ni 231.604	45.4	0.0011	0.00005	mg/L	0.0011	0.00005	ppm	4.79%
Pb 220.353	4.6	0.0003	0.00021	mg/L	0.0003	0.00021	ppm	66.52%
Sb 206.833	7.4	0.0029	0.00038	mg/L	0.0029	0.00038	ppm	12.77%
Se 196.026	2.4	0.0007	0.00223	mg/L	0.0007	0.00223	ppm	307.05%
Tl 190.800	-2.9	-0.0009	0.00172	mg/L	-0.0009	0.00172	ppm	189.17%
V 292.402	-13.1	-0.0001	0.00113	mg/L	-0.0001	0.00113	ppm	876.71%
Zn 213.856	408.2	0.0077	0.00011	mg/L	0.0077	0.00011	ppm	1.41%

Matrix Check Sample: 2864-6 D F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	Relative % Diff.
Ag 328.068	0.0012	0.0006	0.001	mg/L	73.492
Al 308.215	0.0550	0.0370	0.013	mg/L	39.162
As 188.979	-0.0027	-0.0021	0.000	mg/L	-27.425
Ba 233.527	0.0056	0.0039	0.000	mg/L	36.109
Be 313.107	0.0000	0.0000	0.000	mg/L	-1153.838
Ca 227.547	0.3835	0.3520	0.158	mg/L	8.568
Cd 228.802	0.0002	0.0002	0.000	mg/L	33.531
Co 228.616	0.0000	-0.0001	0.000	mg/L	-559.978
Cr 267.716	0.0016	0.0014	0.000	mg/L	10.951
Cu 324.754	0.0450	0.0447	0.001	mg/L	0.608
Fe 273.955	0.0945	0.0769	0.002	mg/L	20.552
K 766.491	0.1321	0.1505	0.007	mg/L	12.963
Mg 279.079	0.0517	0.0631	0.011	mg/L	19.740
Mn 257.610	0.0012	0.0013	0.000	mg/L	7.750
Mo 202.030	0.0005	-0.0001	0.001	mg/L	340.563
Na 330.237	1.683	1.770	0.262	mg/L	5.039
Ni 231.604	0.0010	0.0011	0.000	mg/L	14.740
Pb 220.353	0.0002	0.0003	0.000	mg/L	66.196
Sb 206.833	0.0022	0.0029	0.000	mg/L	30.589
Se 196.026	0.0001	0.0007	0.002	mg/L	169.099
Tl 190.800	-0.0006	-0.0009	0.002	mg/L	-35.120
V 292.402	0.0000	-0.0001	0.001	mg/L	-283.984
Zn 213.856	0.0107	0.0077	0.000	mg/L	32.792

Replicate Data

ID: 2864-6 1/5 F=5 Date: 04/28/03 12:07:40 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-388.6	31.9	0.0004	mg/L	0.0021	ppm
1	Al 308.215	472.5	30.0	0.0032	mg/L	0.0160	ppm
1	As 188.979	-13.6	-3.3	-0.0012	mg/L	-0.0059	ppm
1	Ba 233.527	-281.0	151.8	0.0014	mg/L	0.0069	ppm
1	Be 313.107	-2231.5	69.2	0.0000	mg/L	0.0001	ppm
1	Ca 227.547	-17.2	15.2	0.1842	mg/L	0.9209	ppm
1	Cd 228.802	119.6	-6.3	-0.0002	mg/L	-0.0008	ppm

1 Co 228.616	70.4	-1.1	0.0000 mg/L	-0.0002 ppm
1 Cr 267.716	-58.2	4.7	0.0001 mg/L	0.0005 ppm
1 Cu 324.754	1749.4	1200.9	0.0106 mg/L	0.0528 ppm
1 Fe 273.955	207.1	386.8	0.0182 mg/L	0.0908 ppm
1 K 766.491	6476.2	388.9	0.0780 mg/L	0.3901 ppm
1 Mg 279.079	-1018.5	-3.4	-0.0003 mg/L	-0.0017 ppm
1 Mn 257.610	-3186.4	196.8	0.0005 mg/L	0.0023 ppm
1 Mo 202.030	-111.6	2.9	0.0002 mg/L	0.0010 ppm
1 Na 330.237	1243.1	9.1	0.6438 mg/L	3.219 ppm
1 Ni 231.604	-49.7	3.4	0.0001 mg/L	0.0004 ppm
1 Pb 220.353	341.6	7.1	0.0005 mg/L	0.0024 ppm
1 Sb 206.833	37.1	6.4	0.0025 mg/L	0.0127 ppm
1 Se 196.026	0.4	-4.1	-0.0012 mg/L	-0.0062 ppm
1 Tl 190.800	-44.1	-10.3	-0.0032 mg/L	-0.0161 ppm
1 V 292.402	380.4	97.8	0.0010 mg/L	0.0048 ppm
1 Zn 213.856	91.9	135.6	0.0025 mg/L	0.0127 ppm
2 Ag 328.068	-235.1	185.4	0.0024 mg/L	0.0121 ppm
2 Al 308.215	617.4	174.8	0.0187 mg/L	0.0935 ppm
2 As 188.979	-12.2	-1.9	-0.0007 mg/L	-0.0034 ppm
2 Ba 233.527	-313.9	118.9	0.0011 mg/L	0.0054 ppm
2 Be 313.107	-2439.3	-138.5	-0.0001 mg/L	-0.0003 ppm
2 Ca 227.547	-36.4	-4.0	-0.0489 mg/L	-0.2447 ppm
2 Cd 228.802	108.6	-17.3	-0.0004 mg/L	-0.0021 ppm
2 Co 228.616	80.4	8.9	0.0002 mg/L	0.0012 ppm
2 Cr 267.716	-41.7	21.2	0.0005 mg/L	0.0023 ppm
2 Cu 324.754	1487.9	939.4	0.0083 mg/L	0.0413 ppm
2 Fe 273.955	197.4	377.1	0.0177 mg/L	0.0885 ppm
2 K 766.491	6108.8	21.5	0.0708 mg/L	0.3542 ppm
2 Mg 279.079	-880.1	135.0	0.0138 mg/L	0.0691 ppm
2 Mn 257.610	-3189.8	193.4	0.0005 mg/L	0.0023 ppm
2 Mo 202.030	-113.5	0.9	0.0001 mg/L	0.0003 ppm
2 Na 330.237	1284.6	50.6	0.7409 mg/L	3.705 ppm
2 Ni 231.604	-55.5	-2.4	-0.0001 mg/L	-0.0003 ppm
2 Pb 220.353	336.0	1.5	0.0001 mg/L	0.0005 ppm
2 Sb 206.833	37.1	6.3	0.0025 mg/L	0.0127 ppm
2 Se 196.026	13.9	9.4	0.0029 mg/L	0.0143 ppm
2 Tl 190.800	-33.1	0.7	0.0002 mg/L	0.0012 ppm
2 V 292.402	247.2	-35.4	-0.0004 mg/L	-0.0018 ppm
2 Zn 213.856	95.8	139.5	0.0026 mg/L	0.0131 ppm
3 Ag 328.068	-421.3	-0.8	0.0000 mg/L	-0.0001 ppm
3 Al 308.215	473.5	30.9	0.0033 mg/L	0.0165 ppm
3 As 188.979	-19.9	-9.5	-0.0034 mg/L	-0.0171 ppm
3 Ba 233.527	-290.0	142.9	0.0013 mg/L	0.0065 ppm
3 Be 313.107	-2194.1	106.6	0.0000 mg/L	0.0002 ppm
3 Ca 227.547	-26.3	6.1	0.0739 mg/L	0.3695 ppm
3 Cd 228.802	117.4	-8.5	-0.0002 mg/L	-0.0010 ppm
3 Co 228.616	62.2	-9.3	-0.0003 mg/L	-0.0013 ppm
3 Cr 267.716	-64.7	-1.8	0.0000 mg/L	-0.0002 ppm
3 Cu 324.754	1312.6	764.1	0.0067 mg/L	0.0336 ppm
3 Fe 273.955	189.0	368.7	0.0173 mg/L	0.0866 ppm
3 K 766.491	6141.7	54.5	0.0715 mg/L	0.3574 ppm
3 Mg 279.079	-849.1	166.0	0.0170 mg/L	0.0849 ppm
3 Mn 257.610	-3227.3	155.9	0.0004 mg/L	0.0018 ppm
3 Mo 202.030	-107.3	7.1	0.0005 mg/L	0.0026 ppm
3 Na 330.237	1108.0	-126.1	0.3271 mg/L	1.636 ppm
3 Ni 231.604	-58.7	-5.6	-0.0001 mg/L	-0.0007 ppm
3 Pb 220.353	326.7	-7.9	-0.0005 mg/L	-0.0027 ppm
3 Sb 206.833	47.1	16.4	0.0066 mg/L	0.0328 ppm
3 Se 196.026	7.1	2.7	0.0008 mg/L	0.0040 ppm
3 Tl 190.800	-43.5	-9.7	-0.0031 mg/L	-0.0153 ppm
3 V 292.402	128.4	-154.2	-0.0015 mg/L	-0.0076 ppm
3 Zn 213.856	93.6	137.3	0.0026 mg/L	0.0129 ppm

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

ID: 2864-6 1/5 F=5 Seq. No.: 17 Sample No.: 6 A/S Pos: 15
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 04/28/03 12:07:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72.1	0.0009	0.00130	mg/L	0.0047	0.00650	ppm	137.83%

Al 308.215	78.6	0.0084	0.00892 mg/L	0.0420	0.04459 ppm	106.10%
As 188.979	-4.9	-0.0018	0.00146 mg/L	-0.0088	0.00732 ppm	83.07%
Ba 233.527	137.9	0.0012	0.00015 mg/L	0.0062	0.00077 ppm	12.34%
Be 313.107	12.4	0.0000	0.00005 mg/L	0.0000	0.00027 ppm	>999.9%
Ca 227.547	5.7	0.0697	0.11662 mg/L	0.3486	0.58310 ppm	167.29%
Cd 228.802	-10.7	-0.0003	0.00014 mg/L	-0.0013	0.00070 ppm	54.48%
Co 228.616	-0.5	0.0000	0.00025 mg/L	-0.0001	0.00125 ppm	>999.9%
Cr 267.716	8.1	0.0002	0.00026 mg/L	0.0009	0.00129 ppm	147.07%
Cu 324.754	968.2	0.0085	0.00193 mg/L	0.0426	0.00966 ppm	22.70%
Fe 273.955	377.5	0.0177	0.00042 mg/L	0.0886	0.00212 ppm	2.39%
K 766.491	155.0	0.0735	0.00397 mg/L	0.3673	0.01987 ppm	5.41%
Mg 279.079	99.2	0.0102	0.00923 mg/L	0.0508	0.04614 ppm	90.91%
Mn 257.610	182.0	0.0004	0.00005 mg/L	0.0021	0.00027 ppm	12.47%
Mo 202.030	3.6	0.0003	0.00023 mg/L	0.0013	0.00115 ppm	87.40%
Na 330.237	-22.1	0.5706	0.21640 mg/L	2.853	1.0820 ppm	37.92%
Ni 231.604	-1.6	0.0000	0.00011 mg/L	-0.0002	0.00056 ppm	291.74%
Pb 220.353	0.2	0.0000	0.00052 mg/L	0.0001	0.00262 ppm	>999.9%
Sb 206.833	9.7	0.0039	0.00232 mg/L	0.0194	0.01159 ppm	59.82%
Se 196.026	2.7	0.0008	0.00205 mg/L	0.0040	0.01024 ppm	254.18%
Tl 190.800	-6.4	-0.0020	0.00195 mg/L	-0.0101	0.00975 ppm	96.66%
V 292.402	-30.6	-0.0003	0.00125 mg/L	-0.0015	0.00625 ppm	411.69%
Zn 213.856	137.5	0.0026	0.00004 mg/L	0.0129	0.00018 ppm	1.41%

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

ID: 2864-6 MS F=1 Date: 04/28/03 12:10:54 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	73292.4	73712.9	0.9641	mg/L	0.9641	ppm
1	Al 308.215	20498.3	20055.7	2.145	mg/L	2.145	ppm
1	As 188.979	1338.0	1348.3	0.4895	mg/L	0.4895	ppm
1	Ba 233.527	466067.7	466500.5	4.219	mg/L	4.219	ppm
1	Be 313.107	485132.3	487433.0	0.1968	mg/L	0.1968	ppm
1	Ca 227.547	1721.3	1753.7	21.31	mg/L	21.31	ppm
1	Cd 228.802	10416.9	10291.0	0.2482	mg/L	0.2482	ppm
1	Co 228.616	35822.9	35751.4	0.9830	mg/L	0.9830	ppm
1	Cr 267.716	47027.8	47090.7	1.026	mg/L	1.026	ppm
1	Cu 324.754	118392.8	117844.3	1.036	mg/L	1.036	ppm
1	Fe 273.955	22824.8	23004.4	1.071	mg/L	1.071	ppm
1	K 766.491	268257.6	262170.3	4.994	mg/L	4.994	ppm
1	Mg 279.079	93469.3	94484.4	9.667	mg/L	9.667	ppm
1	Mn 257.610	400286.6	403669.8	0.9425	mg/L	0.9425	ppm
1	Mo 202.030	28272.3	28386.7	2.066	mg/L	2.066	ppm
1	Na 330.237	19564.9	18330.9	42.18	mg/L	42.18	ppm
1	Ni 231.604	38959.2	39012.3	0.9699	mg/L	0.9699	ppm
1	Pb 220.353	44529.2	44194.6	3.062	mg/L	3.062	ppm
1	Sb 206.833	1297.9	1267.2	0.5066	mg/L	0.5066	ppm
1	Se 196.026	1700.9	1696.4	0.5150	mg/L	0.5150	ppm
1	Tl 190.800	1587.0	1620.8	0.5126	mg/L	0.5126	ppm
1	V 292.402	200155.3	199872.7	1.980	mg/L	1.980	ppm
1	Zn 213.856	27058.9	27102.6	0.5083	mg/L	0.5083	ppm
2	Ag 328.068	68542.3	68962.8	0.9019	mg/L	0.9019	ppm
2	Al 308.215	19947.8	19505.3	2.086	mg/L	2.086	ppm
2	As 188.979	1318.6	1328.9	0.4822	mg/L	0.4822	ppm
2	Ba 233.527	437669.1	438102.0	3.962	mg/L	3.962	ppm
2	Be 313.107	451881.2	454181.9	0.1834	mg/L	0.1834	ppm
2	Ca 227.547	1619.5	1651.8	20.07	mg/L	20.07	ppm
2	Cd 228.802	10151.9	10026.0	0.2418	mg/L	0.2418	ppm
2	Co 228.616	34824.2	34752.8	0.9555	mg/L	0.9555	ppm
2	Cr 267.716	43761.0	43823.9	0.9550	mg/L	0.9550	ppm
2	Cu 324.754	110836.3	110287.8	0.9695	mg/L	0.9695	ppm
2	Fe 273.955	22230.9	22410.5	1.043	mg/L	1.043	ppm
2	K 766.491	255958.6	249871.3	4.771	mg/L	4.771	ppm
2	Mg 279.079	87725.7	88740.9	9.080	mg/L	9.080	ppm
2	Mn 257.610	374789.9	378173.1	0.8830	mg/L	0.8830	ppm
2	Mo 202.030	27666.3	27780.7	2.022	mg/L	2.022	ppm
2	Na 330.237	18526.6	17292.6	39.90	mg/L	39.90	ppm
2	Ni 231.604	37845.7	37898.8	0.9422	mg/L	0.9422	ppm
2	Pb 220.353	43156.8	42822.2	2.967	mg/L	2.967	ppm
2	Sb 206.833	1261.3	1230.5	0.4920	mg/L	0.4920	ppm
2	Se 196.026	1570.2	1565.7	0.4753	mg/L	0.4753	ppm

2	Tl 190.800	1583.8	1617.7	0.5114	mg/L	0.5114 ppm
2	V 292.402	186779.7	186497.2	1.848	mg/L	1.848 ppm
2	Zn 213.856	26184.6	26228.3	0.4919	mg/L	0.4919 ppm
3	Ag 328.068	71622.9	72043.4	0.9422	mg/L	0.9422 ppm
3	Al 308.215	19652.1	19209.6	2.055	mg/L	2.055 ppm
3	As 188.979	1271.3	1281.6	0.4654	mg/L	0.4654 ppm
3	Ba 233.527	456320.3	456753.2	4.131	mg/L	4.131 ppm
3	Be 313.107	471761.3	474062.1	0.1914	mg/L	0.1914 ppm
3	Ca 227.547	1633.7	1666.0	20.24	mg/L	20.24 ppm
3	Cd 228.802	10052.4	9926.5	0.2394	mg/L	0.2394 ppm
3	Co 228.616	34270.0	34198.5	0.9403	mg/L	0.9403 ppm
3	Cr 267.716	45770.2	45833.1	0.9988	mg/L	0.9988 ppm
3	Cu 324.754	115687.6	115139.1	1.012	mg/L	1.012 ppm
3	Fe 273.955	21810.8	21990.4	1.023	mg/L	1.023 ppm
3	K 766.491	262123.5	256036.2	4.883	mg/L	4.883 ppm
3	Mg 279.079	91748.1	92763.2	9.491	mg/L	9.491 ppm
3	Mn 257.610	389878.8	393262.0	0.9182	mg/L	0.9182 ppm
3	Mo 202.030	27473.0	27587.4	2.008	mg/L	2.008 ppm
3	Na 330.237	19142.9	17908.8	41.26	mg/L	41.26 ppm
3	Ni 231.604	36997.8	37050.9	0.9211	mg/L	0.9211 ppm
3	Pb 220.353	42396.2	42061.6	2.914	mg/L	2.914 ppm
3	Sb 206.833	1238.2	1207.5	0.4827	mg/L	0.4827 ppm
3	Se 196.026	1511.6	1507.1	0.4576	mg/L	0.4576 ppm
3	Tl 190.800	1530.3	1564.1	0.4947	mg/L	0.4947 ppm
3	V 292.402	195739.6	195457.0	1.937	mg/L	1.937 ppm
3	Zn 213.856	25563.8	25607.5	0.4802	mg/L	0.4802 ppm

Mean Data

ID: 2864-6 MS F=1 Seq. No.: 18 Sample No.: 7 A/S Pos: 16
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:10:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	71573.0	0.9361	0.03152	mg/L	0.9361	0.03152	ppm	3.37%
Al 308.215	19590.2	2.096	0.0459	mg/L	2.096	0.0459	ppm	2.19%
As 188.979	1319.6	0.4790	0.01237	mg/L	0.4790	0.01237	ppm	2.58%
Ba 233.527	453785.2	4.104	0.1305	mg/L	4.104	0.1305	ppm	3.18%
Be 313.107	471892.3	0.1905	0.00676	mg/L	0.1905	0.00676	ppm	3.55%
Ca 227.547	1690.5	20.54	0.670	mg/L	20.54	0.670	ppm	3.26%
Cd 228.802	10081.2	0.2432	0.00454	mg/L	0.2432	0.00454	ppm	1.87%
Co 228.616	34900.9	0.9596	0.02164	mg/L	0.9596	0.02164	ppm	2.25%
Cr 267.716	45582.6	0.9934	0.03591	mg/L	0.9934	0.03591	ppm	3.61%
Cu 324.754	114423.7	1.006	0.0337	mg/L	1.006	0.0337	ppm	3.35%
Fe 273.955	22468.5	1.046	0.0238	mg/L	1.046	0.0238	ppm	2.27%
K 766.491	256026.0	4.882	0.1113	mg/L	4.882	0.1113	ppm	2.28%
Mg 279.079	91996.2	9.413	0.3016	mg/L	9.413	0.3016	ppm	3.20%
Mn 257.610	391701.6	0.9146	0.02993	mg/L	0.9146	0.02993	ppm	3.27%
Mo 202.030	27918.3	2.032	0.0304	mg/L	2.032	0.0304	ppm	1.49%
Na 330.237	17844.1	41.11	1.149	mg/L	41.11	1.149	ppm	2.79%
Ni 231.604	37987.3	0.9444	0.02446	mg/L	0.9444	0.02446	ppm	2.59%
Pb 220.353	43026.2	2.981	0.0749	mg/L	2.981	0.0749	ppm	2.51%
Sb 206.833	1235.0	0.4938	0.01203	mg/L	0.4938	0.01203	ppm	2.44%
Se 196.026	1589.8	0.4826	0.02942	mg/L	0.4826	0.02942	ppm	6.10%
Tl 190.800	1600.8	0.5062	0.01001	mg/L	0.5062	0.01001	ppm	1.98%
V 292.402	193942.3	1.922	0.0675	mg/L	1.922	0.0675	ppm	3.51%
Zn 213.856	26312.8	0.4934	0.01409	mg/L	0.4934	0.01409	ppm	2.85%

Matrix Check Sample: 2864-6 MS F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9361	0.032	mg/L	93.486
Al 308.215	2.055	2.096	0.046	mg/L	102.029
As 188.979	0.4973	0.4790	0.012	mg/L	96.360
Ba 233.527	4.006	4.104	0.130	mg/L	102.453
Be 313.107	0.2000	0.1905	0.007	mg/L	95.268
Ca 227.547	20.38	20.54	0.670	mg/L	100.776
Cd 228.802	0.2502	0.2432	0.005	mg/L	97.199
Co 228.616	1.000	0.9596	0.022	mg/L	95.956
Cr 267.716	1.002	0.9934	0.036	mg/L	99.177

Cu 324.754	1.045	1.006	0.034	mg/L	96.095
Fe 273.955	1.094	1.046	0.024	mg/L	95.122
K 766.491	5.132	4.882	0.111	mg/L	95.004
Mg 279.079	10.05	9.413	0.302	mg/L	93.611
Mn 257.610	1.001	0.9146	0.030	mg/L	91.340
Mo 202.030	2.001	2.032	0.030	mg/L	101.570
Na 330.237	41.68	41.11	1.149	mg/L	98.576
Ni 231.604	1.001	0.9444	0.024	mg/L	94.345
Pb 220.353	3.000	2.981	0.075	mg/L	99.368
Sb 206.833	0.5022	0.4938	0.012	mg/L	98.318
Se 196.026	0.5001	0.4826	0.029	mg/L	96.514
Tl 190.800	0.4994	0.5062	0.010	mg/L	101.365
V 292.402	2.000	1.922	0.068	mg/L	96.075
Zn 213.856	0.5107	0.4934	0.014	mg/L	96.558

Replicate Data ----------
ID: 2864-6 MSD F=1 Date: 04/28/03 12:13:28 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	69553.2	69973.7	0.9152	mg/L	0.9152	ppm
1	Al 308.215	19648.0	19205.4	2.054	mg/L	2.054	ppm
1	As 188.979	1318.2	1328.5	0.4821	mg/L	0.4821	ppm
1	Ba 233.527	438539.3	438972.2	3.970	mg/L	3.970	ppm
1	Be 313.107	458227.2	460528.0	0.1859	mg/L	0.1859	ppm
1	Ca 227.547	1627.1	1659.5	20.16	mg/L	20.16	ppm
1	Cd 228.802	10108.3	9982.4	0.2408	mg/L	0.2408	ppm
1	Co 228.616	34611.0	34539.5	0.9497	mg/L	0.9497	ppm
1	Cr 267.716	44303.7	44366.6	0.9669	mg/L	0.9669	ppm
1	Cu 324.754	112360.0	111811.5	0.9829	mg/L	0.9829	ppm
1	Fe 273.955	21843.9	22023.5	1.025	mg/L	1.025	ppm
1	K 766.491	258959.5	252872.2	4.825	mg/L	4.825	ppm
1	Mg 279.079	88625.2	89640.3	9.172	mg/L	9.172	ppm
1	Mn 257.610	377254.6	380637.8	0.8888	mg/L	0.8888	ppm
1	Mo 202.030	27565.1	27679.6	2.015	mg/L	2.015	ppm
1	Na 330.237	18411.9	17177.9	39.65	mg/L	39.65	ppm
1	Ni 231.604	37450.7	37503.8	0.9324	mg/L	0.9324	ppm
1	Pb 220.353	43075.1	42740.5	2.961	mg/L	2.961	ppm
1	Sb 206.833	1236.7	1206.0	0.4822	mg/L	0.4822	ppm
1	Se 196.026	1668.7	1664.3	0.5053	mg/L	0.5053	ppm
1	Tl 190.800	1555.8	1589.6	0.5026	mg/L	0.5026	ppm
1	V 292.402	189834.0	189551.5	1.878	mg/L	1.878	ppm
1	Zn 213.856	26166.4	26210.1	0.4915	mg/L	0.4915	ppm
2	Ag 328.068	70659.1	71079.6	0.9296	mg/L	0.9296	ppm
2	Al 308.215	20077.6	19635.1	2.100	mg/L	2.100	ppm
2	As 188.979	1373.5	1383.8	0.5021	mg/L	0.5021	ppm
2	Ba 233.527	445640.6	446073.5	4.034	mg/L	4.034	ppm
2	Be 313.107	465365.0	467665.8	0.1888	mg/L	0.1888	ppm
2	Ca 227.547	1540.3	1572.7	19.11	mg/L	19.11	ppm
2	Cd 228.802	10255.1	10129.2	0.2443	mg/L	0.2443	ppm
2	Co 228.616	35361.6	35290.1	0.9703	mg/L	0.9703	ppm
2	Cr 267.716	45119.6	45182.5	0.9846	mg/L	0.9846	ppm
2	Cu 324.754	114038.5	113490.0	0.9977	mg/L	0.9977	ppm
2	Fe 273.955	22375.9	22555.6	1.050	mg/L	1.050	ppm
2	K 766.491	260915.3	254828.0	4.861	mg/L	4.861	ppm
2	Mg 279.079	90305.3	91320.4	9.344	mg/L	9.344	ppm
2	Mn 257.610	382286.3	385669.5	0.9005	mg/L	0.9005	ppm
2	Mo 202.030	28213.3	28327.7	2.062	mg/L	2.062	ppm
2	Na 330.237	18665.8	17431.8	40.21	mg/L	40.21	ppm
2	Ni 231.604	38739.4	38792.5	0.9644	mg/L	0.9644	ppm
2	Pb 220.353	44135.4	43800.8	3.035	mg/L	3.035	ppm
2	Sb 206.833	1226.9	1196.1	0.4782	mg/L	0.4782	ppm
2	Se 196.026	1627.7	1623.3	0.4928	mg/L	0.4928	ppm
2	Tl 190.800	1634.7	1668.5	0.5275	mg/L	0.5275	ppm
2	V 292.402	193254.0	192971.4	1.912	mg/L	1.912	ppm
2	Zn 213.856	26925.4	26969.1	0.5058	mg/L	0.5058	ppm
3	Ag 328.068	67888.1	68308.6	0.8934	mg/L	0.8934	ppm
3	Al 308.215	19665.7	19223.2	2.056	mg/L	2.056	ppm
3	As 188.979	1312.7	1323.0	0.4800	mg/L	0.4800	ppm
3	Ba 233.527	428639.5	429072.3	3.880	mg/L	3.880	ppm

3 Be 313.107	447158.9	449459.7	0.1815 mg/L	0.1815 ppm
3 Ca 227.547	1598.0	1630.3	19.81 mg/L	19.81 ppm
3 Cd 228.802	10079.1	9953.2	0.2401 mg/L	0.2401 ppm
3 Co 228.616	34446.1	34374.6	0.9451 mg/L	0.9451 ppm
3 Cr 267.716	43341.4	43404.3	0.9459 mg/L	0.9459 ppm
3 Cu 324.754	110173.5	109625.0	0.9637 mg/L	0.9637 ppm
3 Fe 273.955	21667.8	21847.4	1.017 mg/L	1.017 ppm
3 K 766.491	256790.0	250702.7	4.786 mg/L	4.786 ppm
3 Mg 279.079	86659.0	87674.1	8.971 mg/L	8.971 ppm
3 Mn 257.610	368110.1	371493.3	0.8674 mg/L	0.8674 ppm
3 Mo 202.030	27556.5	27670.9	2.014 mg/L	2.014 ppm
3 Na 330.237	17845.7	16611.7	38.40 mg/L	38.40 ppm
3 Ni 231.604	37414.1	37467.2	0.9315 mg/L	0.9315 ppm
3 Pb 220.353	42986.3	42651.8	2.955 mg/L	2.955 ppm
3 Sb 206.833	1302.7	1272.0	0.5086 mg/L	0.5086 ppm
3 Se 196.026	1624.0	1619.6	0.4917 mg/L	0.4917 ppm
3 Tl 190.800	1595.9	1629.7	0.5151 mg/L	0.5151 ppm
3 V 292.402	185485.5	185202.9	1.835 mg/L	1.835 ppm
3 Zn 213.856	26152.6	26196.3	0.4913 mg/L	0.4913 ppm

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

ID: 2864-6 MSD F=1 Seq. No.: 19 Sample No.: 8 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:13:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	69787.3	0.9127	0.01824	mg/L	0.9127	0.01824	ppm	2.00%
Al 308.215	19354.6	2.070	0.0260	mg/L	2.070	0.0260	ppm	1.26%
As 188.979	1345.1	0.4881	0.01217	mg/L	0.4881	0.01217	ppm	2.49%
Ba 233.527	438039.3	3.961	0.0772	mg/L	3.961	0.0772	ppm	1.95%
Be 313.107	459217.8	0.1854	0.00370	mg/L	0.1854	0.00370	ppm	2.00%
Ca 227.547	1620.8	19.69	0.537	mg/L	19.69	0.537	ppm	2.73%
Cd 228.802	10021.6	0.2417	0.00228	mg/L	0.2417	0.00228	ppm	0.94%
Co 228.616	34734.7	0.9550	0.01342	mg/L	0.9550	0.01342	ppm	1.40%
Cr 267.716	44317.8	0.9658	0.01940	mg/L	0.9658	0.01940	ppm	2.01%
Cu 324.754	111642.2	0.9815	0.01704	mg/L	0.9815	0.01704	ppm	1.74%
Fe 273.955	22142.2	1.031	0.0172	mg/L	1.031	0.0172	ppm	1.67%
K 766.491	252801.0	4.824	0.0374	mg/L	4.824	0.0374	ppm	0.77%
Mg 279.079	89544.9	9.162	0.1867	mg/L	9.162	0.1867	ppm	2.04%
Mn 257.610	379266.9	0.8856	0.01678	mg/L	0.8856	0.01678	ppm	1.89%
Mo 202.030	27892.7	2.030	0.0274	mg/L	2.030	0.0274	ppm	1.35%
Na 330.237	17073.8	39.42	0.926	mg/L	39.42	0.926	ppm	2.35%
Ni 231.604	37921.2	0.9428	0.01877	mg/L	0.9428	0.01877	ppm	1.99%
Pb 220.353	43064.4	2.984	0.0443	mg/L	2.984	0.0443	ppm	1.48%
Sb 206.833	1224.7	0.4896	0.01650	mg/L	0.4896	0.01650	ppm	3.37%
Se 196.026	1635.7	0.4966	0.00753	mg/L	0.4966	0.00753	ppm	1.52%
Tl 190.800	1629.3	0.5151	0.01243	mg/L	0.5151	0.01243	ppm	2.41%
V 292.402	189241.9	1.875	0.0386	mg/L	1.875	0.0386	ppm	2.06%
Zn 213.856	26458.5	0.4962	0.00829	mg/L	0.4962	0.00829	ppm	1.67%

Matrix Check Sample: 2864-6 MSD F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9127	0.018	mg/L	91.151
Al 308.215	2.055	2.070	0.026	mg/L	100.768
As 188.979	0.4973	0.4881	0.012	mg/L	98.168
Ba 233.527	4.006	3.961	0.077	mg/L	98.893
Be 313.107	0.2000	0.1854	0.004	mg/L	92.709
Ca 227.547	20.38	19.69	0.537	mg/L	96.543
Cd 228.802	0.2502	0.2417	0.002	mg/L	96.624
Co 228.616	1.000	0.9550	0.013	mg/L	95.499
Cr 267.716	1.002	0.9658	0.019	mg/L	96.421
Cu 324.754	1.045	0.9815	0.017	mg/L	93.650
Fe 273.955	1.094	1.031	0.017	mg/L	93.613
K 766.491	5.132	4.824	0.037	mg/L	93.838
Mg 279.079	10.05	9.162	0.187	mg/L	91.103
Mn 257.610	1.001	0.8856	0.017	mg/L	88.436
Mo 202.030	2.001	2.030	0.027	mg/L	101.477
Na 330.237	41.68	39.42	0.926	mg/L	94.334
Ni 231.604	1.001	0.9428	0.019	mg/L	94.180

Pb 220.353	3.000	2.984	0.044	mg/L	99.456
Sb 206.833	0.5022	0.4896	0.017	mg/L	97.495
Se 196.026	0.5001	0.4966	0.008	mg/L	99.304
Tl 190.800	0.4994	0.5151	0.012	mg/L	103.138
V 292.402	2.000	1.875	0.039	mg/L	93.747
Zn 213.856	0.5107	0.4962	0.008	mg/L	97.105

Replicate Data ----------
ID: 2864-6 PS F=1 Date: 04/28/03 12:15:59 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	68449.5	68870.0	0.9007	mg/L	0.9007	ppm
1	Al 308.215	19743.9	19301.3	2.065	mg/L	2.065	ppm
1	As 188.979	1281.3	1291.7	0.4688	mg/L	0.4688	ppm
1	Ba 233.527	433078.9	433511.7	3.920	mg/L	3.920	ppm
1	Be 313.107	450015.6	452316.3	0.1826	mg/L	0.1826	ppm
1	Ca 227.547	1582.1	1614.4	19.61	mg/L	19.61	ppm
1	Cd 228.802	10259.8	10133.9	0.2444	mg/L	0.2444	ppm
1	Co 228.616	34644.9	34573.4	0.9506	mg/L	0.9506	ppm
1	Cr 267.716	43661.9	43724.9	0.9529	mg/L	0.9529	ppm
1	Cu 324.754	110657.1	110108.6	0.9680	mg/L	0.9680	ppm
1	Fe 273.955	22017.4	22197.0	1.033	mg/L	1.033	ppm
1	K 766.491	260499.9	254412.6	4.853	mg/L	4.853	ppm
1	Mg 279.079	87620.4	88635.6	9.069	mg/L	9.069	ppm
1	Mn 257.610	371123.7	374506.9	0.8744	mg/L	0.8744	ppm
1	Mo 202.030	27538.8	27653.2	2.013	mg/L	2.013	ppm
1	Na 330.237	18193.7	16959.6	39.16	mg/L	39.16	ppm
1	Ni 231.604	37866.0	37919.1	0.9427	mg/L	0.9427	ppm
1	Pb 220.353	43353.7	43019.2	2.981	mg/L	2.981	ppm
1	Sb 206.833	1263.2	1232.4	0.4927	mg/L	0.4927	ppm
1	Se 196.026	1629.3	1624.8	0.4933	mg/L	0.4933	ppm
1	Tl 190.800	1567.3	1601.1	0.5061	mg/L	0.5061	ppm
1	V 292.402	186566.2	186283.6	1.846	mg/L	1.846	ppm
1	Zn 213.856	26446.3	26490.0	0.4968	mg/L	0.4968	ppm
2	Ag 328.068	70230.4	70650.9	0.9240	mg/L	0.9240	ppm
2	Al 308.215	19423.6	18981.1	2.030	mg/L	2.030	ppm
2	As 188.979	1315.6	1325.9	0.4812	mg/L	0.4812	ppm
2	Ba 233.527	440983.0	441415.8	3.992	mg/L	3.992	ppm
2	Be 313.107	462877.2	465177.9	0.1878	mg/L	0.1878	ppm
2	Ca 227.547	1551.6	1584.0	19.24	mg/L	19.24	ppm
2	Cd 228.802	10054.3	9928.4	0.2395	mg/L	0.2395	ppm
2	Co 228.616	33856.7	33785.2	0.9289	mg/L	0.9289	ppm
2	Cr 267.716	44746.9	44809.8	0.9765	mg/L	0.9765	ppm
2	Cu 324.754	114031.5	113483.0	0.9976	mg/L	0.9976	ppm
2	Fe 273.955	21463.6	21643.2	1.007	mg/L	1.007	ppm
2	K 766.491	266043.8	259956.5	4.954	mg/L	4.954	ppm
2	Mg 279.079	89264.0	90279.1	9.237	mg/L	9.237	ppm
2	Mn 257.610	379622.6	383005.8	0.8943	mg/L	0.8943	ppm
2	Mo 202.030	26961.8	27076.3	1.971	mg/L	1.971	ppm
2	Na 330.237	18860.3	17626.3	40.63	mg/L	40.63	ppm
2	Ni 231.604	38744.3	38797.4	0.9646	mg/L	0.9646	ppm
2	Pb 220.353	42353.9	42019.4	2.911	mg/L	2.911	ppm
2	Sb 206.833	1247.2	1216.4	0.4863	mg/L	0.4863	ppm
2	Se 196.026	1579.7	1575.2	0.4782	mg/L	0.4782	ppm
2	Tl 190.800	1528.7	1562.5	0.4941	mg/L	0.4941	ppm
2	V 292.402	191496.2	191213.7	1.894	mg/L	1.894	ppm
2	Zn 213.856	25700.4	25744.1	0.4828	mg/L	0.4828	ppm
3	Ag 328.068	66980.7	67401.2	0.8815	mg/L	0.8815	ppm
3	Al 308.215	19959.6	19517.1	2.088	mg/L	2.088	ppm
3	As 188.979	1355.9	1366.2	0.4955	mg/L	0.4955	ppm
3	Ba 233.527	421955.6	422388.4	3.820	mg/L	3.820	ppm
3	Be 313.107	442927.4	445228.2	0.1798	mg/L	0.1798	ppm
3	Ca 227.547	1553.8	1586.1	19.27	mg/L	19.27	ppm
3	Cd 228.802	10202.8	10076.9	0.2431	mg/L	0.2431	ppm
3	Co 228.616	34646.2	34574.7	0.9506	mg/L	0.9506	ppm
3	Cr 267.716	42805.8	42868.7	0.9342	mg/L	0.9342	ppm
3	Cu 324.754	108643.2	108094.7	0.9503	mg/L	0.9503	ppm
3	Fe 273.955	21918.4	22098.1	1.029	mg/L	1.029	ppm
3	K 766.491	255052.6	248965.3	4.755	mg/L	4.755	ppm

3 Mg 279.079	85494.1	86509.2	8.851 mg/L	8.851 ppm
3 Mn 257.610	364593.5	367976.7	0.8592 mg/L	0.8592 ppm
3 Mo 202.030	27766.3	27880.7	2.029 mg/L	2.029 ppm
3 Na 330.237	17824.8	16590.8	38.35 mg/L	38.35 ppm
3 Ni 231.604	37189.6	37242.7	0.9259 mg/L	0.9259 ppm
3 Pb 220.353	43721.0	43386.5	3.006 mg/L	3.006 ppm
3 Sb 206.833	1326.1	1295.4	0.5179 mg/L	0.5179 ppm
3 Se 196.026	1684.7	1680.2	0.5101 mg/L	0.5101 ppm
3 Tl 190.800	1578.5	1612.3	0.5096 mg/L	0.5096 ppm
3 V 292.402	182979.2	182696.7	1.810 mg/L	1.810 ppm
3 Zn 213.856	26555.9	26599.6	0.4988 mg/L	0.4988 ppm

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

ID: 2864-6 PS F=1 Seq. No.: 20 Sample No.: 9 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:15:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	68974.0	0.9021	0.02128	mg/L	0.9021	0.02128	ppm	2.36%
Al 308.215	19266.5	2.061	0.0288	mg/L	2.061	0.0288	ppm	1.40%
As 188.979	1327.9	0.4819	0.01336	mg/L	0.4819	0.01336	ppm	2.77%
Ba 233.527	432438.7	3.911	0.0864	mg/L	3.911	0.0864	ppm	2.21%
Be 313.107	454240.8	0.1834	0.00408	mg/L	0.1834	0.00408	ppm	2.23%
Ca 227.547	1594.8	19.38	0.206	mg/L	19.38	0.206	ppm	1.07%
Cd 228.802	10046.4	0.2423	0.00256	mg/L	0.2423	0.00256	ppm	1.06%
Co 228.616	34311.1	0.9434	0.01252	mg/L	0.9434	0.01252	ppm	1.33%
Cr 267.716	43801.1	0.9545	0.02120	mg/L	0.9545	0.02120	ppm	2.22%
Cu 324.754	110562.1	0.9720	0.02393	mg/L	0.9720	0.02393	ppm	2.46%
Fe 273.955	21979.4	1.023	0.0140	mg/L	1.023	0.0140	ppm	1.37%
K 766.491	254444.8	4.854	0.0995	mg/L	4.854	0.0995	ppm	2.05%
Mg 279.079	88474.6	9.052	0.1934	mg/L	9.052	0.1934	ppm	2.14%
Mn 257.610	375163.1	0.8760	0.01760	mg/L	0.8760	0.01760	ppm	2.01%
Mo 202.030	27536.7	2.004	0.0302	mg/L	2.004	0.0302	ppm	1.51%
Na 330.237	17058.9	39.38	1.157	mg/L	39.38	1.157	ppm	2.94%
Ni 231.604	37986.4	0.9444	0.01938	mg/L	0.9444	0.01938	ppm	2.05%
Pb 220.353	42808.3	2.966	0.0490	mg/L	2.966	0.0490	ppm	1.65%
Sb 206.833	1248.1	0.4990	0.01671	mg/L	0.4990	0.01671	ppm	3.35%
Se 196.026	1626.8	0.4939	0.01595	mg/L	0.4939	0.01595	ppm	3.23%
Tl 190.800	1592.0	0.5033	0.00814	mg/L	0.5033	0.00814	ppm	1.62%
V 292.402	186731.3	1.850	0.0424	mg/L	1.850	0.0424	ppm	2.29%
Zn 213.856	26277.9	0.4928	0.00873	mg/L	0.4928	0.00873	ppm	1.77%

Matrix Check Sample: 2864-6 PS F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9021	0.021	mg/L	90.087
Al 308.215	2.055	2.061	0.029	mg/L	100.297
As 188.979	0.4973	0.4819	0.013	mg/L	96.922
Ba 233.527	4.006	3.911	0.086	mg/L	97.627
Be 313.107	0.2000	0.1834	0.004	mg/L	91.705
Ca 227.547	20.38	19.38	0.206	mg/L	94.965
Cd 228.802	0.2502	0.2423	0.003	mg/L	96.864
Co 228.616	1.000	0.9434	0.013	mg/L	94.335
Cr 267.716	1.002	0.9545	0.021	mg/L	95.295
Cu 324.754	1.045	0.9720	0.024	mg/L	92.700
Fe 273.955	1.094	1.023	0.014	mg/L	92.861
K 766.491	5.132	4.854	0.099	mg/L	94.432
Mg 279.079	10.05	9.052	0.193	mg/L	90.008
Mn 257.610	1.001	0.8760	0.018	mg/L	87.478
Mo 202.030	2.001	2.004	0.030	mg/L	100.181
Na 330.237	41.68	39.38	1.157	mg/L	94.251
Ni 231.604	1.001	0.9444	0.019	mg/L	94.342
Pb 220.353	3.000	2.966	0.049	mg/L	98.865
Sb 206.833	0.5022	0.4990	0.017	mg/L	99.367
Se 196.026	0.5001	0.4939	0.016	mg/L	98.761
Tl 190.800	0.4994	0.5033	0.008	mg/L	100.784
V 292.402	2.000	1.850	0.042	mg/L	92.503
Zn 213.856	0.5107	0.4928	0.009	mg/L	96.427

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

ID: CCV 1447B Date: 04/28/03 12:18:35 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	71429.7	71850.2	0.9397	mg/L		
1	Al 308.215	45840.6	45398.0	4.856	mg/L		
1	As 188.979	1349.9	1360.3	0.4912	mg/L		
1	Ba 233.527	527442.9	527875.7	4.774	mg/L		
1	Be 313.107	1186649.2	1188949.9	0.4801	mg/L		
1	Ca 227.547	3812.7	3845.0	46.72	mg/L		
1	Cd 228.802	39158.9	39033.0	0.9415	mg/L		
1	Co 228.616	70374.7	70303.2	1.933	mg/L		
1	Cr 267.716	21269.3	21332.3	0.4649	mg/L		
1	Cu 324.754	215726.8	215178.3	1.892	mg/L		
1	Fe 273.955	102155.8	102335.4	4.795	mg/L		
1	K 766.491	839426.9	833339.7	14.60	mg/L		
1	Mg 279.079	233950.4	234965.6	24.04	mg/L		
1	Mn 257.610	815891.5	819274.7	1.913	mg/L		
1	Mo 202.030	25384.4	25498.8	1.856	mg/L		
1	Na 330.237	46562.8	45328.8	99.06	mg/L		
1	Ni 231.604	77848.4	77901.5	1.937	mg/L		
1	Pb 220.353	7376.4	7041.9	0.4879	mg/L		
1	Sb 206.833	4915.8	4885.1	1.957	mg/L		
1	Se 196.026	1598.1	1593.6	0.4838	mg/L		
1	Tl 190.800	1480.6	1514.4	0.4790	mg/L		
1	V 292.402	193433.7	193151.1	1.914	mg/L		
1	Zn 213.856	104036.0	104079.7	1.952	mg/L		
2	Ag 328.068	71039.5	71460.0	0.9346	mg/L		
2	Al 308.215	45220.0	44777.4	4.790	mg/L		
2	As 188.979	1391.4	1401.8	0.5062	mg/L		
2	Ba 233.527	516666.6	517099.4	4.676	mg/L		
2	Be 313.107	1175872.9	1178173.6	0.4757	mg/L		
2	Ca 227.547	3997.7	4030.0	48.96	mg/L		
2	Cd 228.802	39994.9	39869.0	0.9617	mg/L		
2	Co 228.616	69526.5	69455.0	1.910	mg/L		
2	Cr 267.716	21807.9	21870.8	0.4766	mg/L		
2	Cu 324.754	214340.3	213791.8	1.879	mg/L		
2	Fe 273.955	101052.6	101232.2	4.743	mg/L		
2	K 766.491	835013.4	828926.1	14.53	mg/L		
2	Mg 279.079	231088.7	232103.8	23.75	mg/L		
2	Mn 257.610	807602.3	810985.5	1.894	mg/L		
2	Mo 202.030	26091.6	26206.1	1.907	mg/L		
2	Na 330.237	45725.2	44491.2	97.36	mg/L		
2	Ni 231.604	77449.5	77502.6	1.927	mg/L		
2	Pb 220.353	7623.9	7289.4	0.5051	mg/L		
2	Sb 206.833	5014.0	4983.2	1.996	mg/L		
2	Se 196.026	1707.8	1703.3	0.5171	mg/L		
2	Tl 190.800	1573.5	1607.3	0.5082	mg/L		
2	V 292.402	191480.2	191197.6	1.894	mg/L		
2	Zn 213.856	104336.8	104380.5	1.957	mg/L		
3	Ag 328.068	70629.4	71049.9	0.9292	mg/L		
3	Al 308.215	45137.8	44695.2	4.781	mg/L		
3	As 188.979	1370.7	1381.0	0.4988	mg/L		
3	Ba 233.527	514143.0	514575.9	4.653	mg/L		
3	Be 313.107	1172451.6	1174752.3	0.4743	mg/L		
3	Ca 227.547	3984.2	4016.5	48.80	mg/L		
3	Cd 228.802	40681.1	40555.2	0.9782	mg/L		
3	Co 228.616	69074.1	69002.6	1.897	mg/L		
3	Cr 267.716	22198.8	22261.7	0.4851	mg/L		
3	Cu 324.754	213412.5	212864.0	1.871	mg/L		
3	Fe 273.955	100429.5	100609.2	4.714	mg/L		
3	K 766.491	837850.7	831763.4	14.57	mg/L		
3	Mg 279.079	229697.5	230712.6	23.61	mg/L		
3	Mn 257.610	801873.2	805256.4	1.880	mg/L		
3	Mo 202.030	26478.0	26592.4	1.935	mg/L		
3	Na 330.237	45495.7	44261.6	96.89	mg/L		
3	Ni 231.604	77006.8	77059.9	1.916	mg/L		
3	Pb 220.353	7643.0	7308.4	0.5064	mg/L		
3	Sb 206.833	5042.9	5012.1	2.007	mg/L		
3	Se 196.026	1725.9	1721.4	0.5226	mg/L		

3 Tl 190.800	1583.9	1617.7	0.5114 mg/L
3 V 292.402	191082.3	190799.7	1.890 mg/L
3 Zn 213.856	103735.1	103778.8	1.946 mg/L

Mean Data

ID: CCV 1447B Seq. No.: 21 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 12:18:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	71453.3	0.9345	0.00523	mg/L				0.56%
Al 308.215	44956.9	4.809	0.0411	mg/L				0.85%
As 188.979	1381.0	0.4987	0.00749	mg/L				1.50%
Ba 233.527	519850.4	4.701	0.0639	mg/L				1.36%
Be 313.107	1180625.3	0.4767	0.00299	mg/L				0.63%
Ca 227.547	3963.9	48.16	1.253	mg/L				2.60%
Cd 228.802	39819.0	0.9605	0.01839	mg/L				1.91%
Co 228.616	69586.9	1.913	0.0182	mg/L				0.95%
Cr 267.716	21821.6	0.4756	0.01017	mg/L				2.14%
Cu 324.754	213944.7	1.881	0.0102	mg/L				0.54%
Fe 273.955	101392.3	4.751	0.0410	mg/L				0.86%
K 766.491	831343.1	14.57	0.035	mg/L				0.24%
Mg 279.079	232594.0	23.80	0.222	mg/L				0.93%
Mn 257.610	811838.9	1.896	0.0165	mg/L				0.87%
Mo 202.030	26099.1	1.900	0.0404	mg/L				2.12%
Na 330.237	44693.9	97.77	1.138	mg/L				1.16%
Ni 231.604	77488.0	1.926	0.0105	mg/L				0.54%
Pb 220.353	7213.2	0.4998	0.01030	mg/L				2.06%
Sb 206.833	4960.1	1.987	0.0266	mg/L				1.34%
Se 196.026	1672.8	0.5078	0.02099	mg/L				4.13%
Tl 190.800	1579.8	0.4995	0.01785	mg/L				3.57%
V 292.402	191716.2	1.899	0.0125	mg/L				0.66%
Zn 213.856	104079.7	1.952	0.0056	mg/L				0.29%

Replicate Data

ID: CCB Date: 04/28/03 12:21:26 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-316.2	104.3	0.0014	mg/L		
1	Al 308.215	537.8	95.3	0.0102	mg/L		
1	As 188.979	-17.4	-7.0	-0.0025	mg/L		
1	Ba 233.527	-369.6	63.3	0.0006	mg/L		
1	Be 313.107	-2100.7	200.0	0.0001	mg/L		
1	Ca 227.547	-45.2	-12.9	-0.1564	mg/L		
1	Cd 228.802	129.9	4.0	0.0001	mg/L		
1	Co 228.616	79.7	8.2	0.0002	mg/L		
1	Cr 267.716	-41.0	21.9	0.0005	mg/L		
1	Cu 324.754	371.5	-177.0	-0.0016	mg/L		
1	Fe 273.955	-168.5	11.2	0.0005	mg/L		
1	K 766.491	6142.7	55.4	0.0715	mg/L		
1	Mg 279.079	-1162.9	-147.8	-0.0151	mg/L		
1	Mn 257.610	-3244.0	139.2	0.0003	mg/L		
1	Mo 202.030	-102.4	12.0	0.0009	mg/L		
1	Na 330.237	1336.6	102.6	0.8627	mg/L		
1	Ni 231.604	-77.9	-24.8	-0.0006	mg/L		
1	Pb 220.353	322.6	-12.0	-0.0008	mg/L		
1	Sb 206.833	45.5	14.7	0.0059	mg/L		
1	Se 196.026	1.5	-3.0	-0.0009	mg/L		
1	Tl 190.800	-41.0	-7.1	-0.0022	mg/L		
1	V 292.402	317.7	35.1	0.0003	mg/L		
1	Zn 213.856	-26.8	16.9	0.0003	mg/L		
2	Ag 328.068	-362.6	57.9	0.0008	mg/L		
2	Al 308.215	553.4	110.9	0.0119	mg/L		
2	As 188.979	-8.2	2.1	0.0008	mg/L		
2	Ba 233.527	-407.8	25.0	0.0002	mg/L		
2	Be 313.107	-2058.0	242.7	0.0001	mg/L		
2	Ca 227.547	-47.2	-14.8	-0.1803	mg/L		
2	Cd 228.802	138.6	12.7	0.0003	mg/L		
2	Co 228.616	76.3	4.8	0.0001	mg/L		

2 Cr 267.716	-62.8	0.1	0.0000	mg/L
2 Cu 324.754	695.1	146.6	0.0013	mg/L
2 Fe 273.955	-163.9	15.8	0.0007	mg/L
2 K 766.491	5832.3	-254.9	0.0654	mg/L
2 Mg 279.079	-1044.2	-29.1	-0.0030	mg/L
2 Mn 257.610	-3281.7	101.5	0.0002	mg/L
2 Mo 202.030	-110.2	4.2	0.0003	mg/L
2 Na 330.237	1271.7	37.7	0.7107	mg/L
2 Ni 231.604	-55.9	-2.8	-0.0001	mg/L
2 Pb 220.353	361.3	26.8	0.0019	mg/L
2 Sb 206.833	34.4	3.7	0.0015	mg/L
2 Se 196.026	2.3	-2.2	-0.0007	mg/L
2 Tl 190.800	-34.2	-0.3	-0.0001	mg/L
2 V 292.402	374.9	92.3	0.0009	mg/L
2 Zn 213.856	-35.1	8.6	0.0002	mg/L
3 Ag 328.068	-300.4	120.1	0.0016	mg/L
3 Al 308.215	436.5	-6.1	-0.0007	mg/L
3 As 188.979	-17.7	-7.4	-0.0027	mg/L
3 Ba 233.527	-408.8	24.0	0.0002	mg/L
3 Be 313.107	-2150.9	149.8	0.0001	mg/L
3 Ca 227.547	-33.2	-0.9	-0.0105	mg/L
3 Cd 228.802	125.4	-0.5	0.0000	mg/L
3 Co 228.616	94.0	22.5	0.0006	mg/L
3 Cr 267.716	-63.5	-0.6	0.0000	mg/L
3 Cu 324.754	567.8	19.3	0.0002	mg/L
3 Fe 273.955	-200.5	-20.9	-0.0010	mg/L
3 K 766.491	5978.0	-109.3	0.0683	mg/L
3 Mg 279.079	-907.4	107.7	0.0110	mg/L
3 Mn 257.610	-3315.1	68.2	0.0002	mg/L
3 Mo 202.030	-122.3	-7.9	-0.0006	mg/L
3 Na 330.237	1316.5	82.5	0.8158	mg/L
3 Ni 231.604	-67.5	-14.4	-0.0004	mg/L
3 Pb 220.353	359.7	25.2	0.0017	mg/L
3 Sb 206.833	34.8	4.0	0.0016	mg/L
3 Se 196.026	3.4	-1.1	-0.0003	mg/L
3 Tl 190.800	-38.5	-4.7	-0.0015	mg/L
3 V 292.402	221.3	-61.2	-0.0006	mg/L
3 Zn 213.856	-41.8	1.9	0.0000	mg/L

Mean Data

ID: CCB
Sample Qty: 1.0000 g
Seq. No.: 22 Sample No.: 6
Prep. Vol.: 1.0 L
Data: Original
A/S Pos: 1
Dilution: 1.0: 1.0
Date: 04/28/03 12:21:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	94.1	0.0012	0.00042	mg/L				34.36%
Al 308.215	66.7	0.0071	0.00679	mg/L				95.24%
As 188.979	-4.1	-0.0015	0.00194	mg/L				131.74%
Ba 233.527	37.4	0.0003	0.00020	mg/L				59.76%
Be 313.107	197.5	0.0001	0.00002	mg/L				23.54%
Ca 227.547	-9.5	-0.1157	0.09194	mg/L				79.45%
Cd 228.802	5.4	0.0001	0.00016	mg/L				124.02%
Co 228.616	11.8	0.0003	0.00026	mg/L				79.73%
Cr 267.716	7.1	0.0002	0.00028	mg/L				180.11%
Cu 324.754	-3.7	0.0000	0.00143	mg/L				>999.9%
Fe 273.955	2.0	0.0001	0.00094	mg/L				990.86%
K 766.491	-102.9	0.0684	0.00304	mg/L				4.44%
Mg 279.079	-23.1	-0.0024	0.01308	mg/L				554.46%
Mn 257.610	103.0	0.0002	0.00008	mg/L				34.54%
Mo 202.030	2.8	0.0002	0.00073	mg/L				362.49%
Na 330.237	74.2	0.7964	0.07786	mg/L				9.78%
Ni 231.604	-14.0	-0.0003	0.00027	mg/L				78.74%
Pb 220.353	13.3	0.0009	0.00152	mg/L				164.33%
Sb 206.833	7.5	0.0030	0.00251	mg/L				84.02%
Se 196.026	-2.1	-0.0006	0.00029	mg/L				46.42%
Tl 190.800	-4.0	-0.0013	0.00108	mg/L				84.95%
V 292.402	22.1	0.0002	0.00077	mg/L				351.63%
Zn 213.856	9.1	0.0002	0.00014	mg/L				82.05%

Replicate Data

ID: 2864-8 F=1 Date: 04/28/03 12:24:52 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-204.4	216.1	0.0028	mg/L	0.0028	ppm
1	Al 308.215	680.1	237.5	0.0254	mg/L	0.0254	ppm
1	As 188.979	-11.2	-0.9	-0.0003	mg/L	-0.0003	ppm
1	Ba 233.527	10659.1	11092.0	0.1003	mg/L	0.1003	ppm
1	Be 313.107	-1993.6	307.1	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	5038.3	5070.7	61.61	mg/L	61.61	ppm
1	Cd 228.802	134.9	9.0	0.0002	mg/L	0.0002	ppm
1	Co 228.616	16.5	-55.0	-0.0015	mg/L	-0.0015	ppm
1	Cr 267.716	63.1	126.0	0.0027	mg/L	0.0027	ppm
1	Cu 324.754	934.8	386.3	0.0034	mg/L	0.0034	ppm
1	Fe 273.955	26097.6	26277.3	1.234	mg/L	1.234	ppm
1	K 766.491	Saturated					
1	Mg 279.079	1348237.5	1349252.6	138.1	mg/L	138.1	ppm
1	Mn 257.610	107315.4	110698.6	0.2585	mg/L	0.2585	ppm
1	Mo 202.030	0.4	114.8	0.0084	mg/L	0.0084	ppm
1	Na 330.237	921108.8	919874.8	1131	mg/L	1131	ppm
1	Ni 231.604	-53.0	0.1	0.0000	mg/L	0.0000	ppm
1	Pb 220.353	311.8	-22.8	-0.0016	mg/L	-0.0016	ppm
1	Sb 206.833	58.3	27.6	0.0110	mg/L	0.0110	ppm
1	Se 196.026	1.6	-2.9	-0.0009	mg/L	-0.0009	ppm
1	Tl 190.800	-49.8	-16.0	-0.0040	mg/L	-0.0040	ppm
1	V 292.402	492.3	209.7	0.0021	mg/L	0.0021	ppm
1	Zn 213.856	367.5	411.2	0.0077	mg/L	0.0077	ppm
2	Ag 328.068	-330.2	90.3	0.0012	mg/L	0.0012	ppm
2	Al 308.215	542.6	100.0	0.0107	mg/L	0.0107	ppm
2	As 188.979	-17.0	-6.6	-0.0024	mg/L	-0.0024	ppm
2	Ba 233.527	10431.9	10864.8	0.0983	mg/L	0.0983	ppm
2	Be 313.107	-2049.7	251.0	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	5017.7	5050.0	61.36	mg/L	61.36	ppm
2	Cd 228.802	116.1	-9.8	-0.0002	mg/L	-0.0002	ppm
2	Co 228.616	37.3	-34.2	-0.0009	mg/L	-0.0009	ppm
2	Cr 267.716	64.7	127.6	0.0028	mg/L	0.0028	ppm
2	Cu 324.754	1049.6	501.1	0.0044	mg/L	0.0044	ppm
2	Fe 273.955	25785.8	25965.5	1.220	mg/L	1.220	ppm
2	K 766.491	Saturated					
2	Mg 279.079	1334076.7	1335091.9	136.6	mg/L	136.6	ppm
2	Mn 257.610	105957.3	109340.6	0.2553	mg/L	0.2553	ppm
2	Mo 202.030	11.0	125.4	0.0091	mg/L	0.0091	ppm
2	Na 330.237	931158.5	929924.5	1140	mg/L	1140	ppm
2	Ni 231.604	-44.2	8.9	0.0002	mg/L	0.0002	ppm
2	Pb 220.353	292.8	-41.7	-0.0029	mg/L	-0.0029	ppm
2	Sb 206.833	50.6	19.9	0.0079	mg/L	0.0079	ppm
2	Se 196.026	4.2	-0.2	-0.0001	mg/L	-0.0001	ppm
2	Tl 190.800	-43.7	-9.9	-0.0021	mg/L	-0.0021	ppm
2	V 292.402	254.8	-27.7	-0.0003	mg/L	-0.0003	ppm
2	Zn 213.856	358.1	401.8	0.0075	mg/L	0.0075	ppm
3	Ag 328.068	-185.3	235.2	0.0031	mg/L	0.0031	ppm
3	Al 308.215	640.0	197.5	0.0211	mg/L	0.0211	ppm
3	As 188.979	-12.1	-1.8	-0.0006	mg/L	-0.0006	ppm
3	Ba 233.527	10353.7	10786.6	0.0975	mg/L	0.0975	ppm
3	Be 313.107	-2045.0	255.7	0.0001	mg/L	0.0001	ppm
3	Ca 227.547	5002.6	5034.9	61.17	mg/L	61.17	ppm
3	Cd 228.802	113.7	-12.2	-0.0003	mg/L	-0.0003	ppm
3	Co 228.616	30.7	-40.8	-0.0011	mg/L	-0.0011	ppm
3	Cr 267.716	51.6	114.5	0.0025	mg/L	0.0025	ppm
3	Cu 324.754	833.3	284.8	0.0025	mg/L	0.0025	ppm
3	Fe 273.955	24984.2	25163.8	1.182	mg/L	1.182	ppm
3	K 766.491	Saturated					
3	Mg 279.079	1296084.8	1297099.9	132.7	mg/L	132.7	ppm
3	Mn 257.610	103325.8	106709.0	0.2492	mg/L	0.2492	ppm
3	Mo 202.030	21.9	136.3	0.0099	mg/L	0.0099	ppm
3	Na 330.237	913939.8	912705.8	1126	mg/L	1126	ppm
3	Ni 231.604	-46.8	6.3	0.0002	mg/L	0.0002	ppm
3	Pb 220.353	307.5	-27.0	-0.0019	mg/L	-0.0019	ppm
3	Sb 206.833	49.0	18.2	0.0073	mg/L	0.0073	ppm
3	Se 196.026	13.3	8.9	0.0027	mg/L	0.0027	ppm
3	Tl 190.800	-40.0	-6.2	-0.0010	mg/L	-0.0010	ppm

3 V 292.402	368.1	85.5	0.0008 mg/L	0.0008 ppm
3 Zn 213.856	337.6	381.3	0.0072 mg/L	0.0072 ppm

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

ID: 2864-8 F=1 Seq. No.: 23 Sample No.: 10 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:24:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	180.5	0.0024	0.00103	mg/L	0.0024	0.00103	ppm	43.60%
Al 308.215	178.3	0.0191	0.00756	mg/L	0.0191	0.00756	ppm	39.65%
As 188.979	-3.1	-0.0011	0.00112	mg/L	-0.0011	0.00112	ppm	100.89%
Ba 233.527	10914.4	0.0987	0.00143	mg/L	0.0987	0.00143	ppm	1.45%
Be 313.107	271.3	0.0001	0.00001	mg/L	0.0001	0.00001	ppm	11.48%
Ca 227.547	5051.9	61.38	0.218	mg/L	61.38	0.218	ppm	0.36%
Cd 228.802	-4.3	-0.0001	0.00028	mg/L	-0.0001	0.00028	ppm	268.88%
Co 228.616	-43.3	-0.0012	0.00029	mg/L	-0.0012	0.00029	ppm	24.50%
Cr 267.716	122.7	0.0027	0.00016	mg/L	0.0027	0.00016	ppm	5.83%
Cu 324.754	390.7	0.0034	0.00095	mg/L	0.0034	0.00095	ppm	27.70%
Fe 273.955	25802.2	1.212	0.0270	mg/L	1.212	0.0270	ppm	2.23%
K 766.491	Saturated							
Mg 279.079	1327148.1	135.8	2.76	mg/L	135.8	2.76	ppm	2.03%
Mn 257.610	108916.0	0.2543	0.00474	mg/L	0.2543	0.00474	ppm	1.86%
Mo 202.030	125.5	0.0091	0.00078	mg/L	0.0091	0.00078	ppm	8.58%
Na 330.237	920835.0	1132	7.2	mg/L	1132	7.2	ppm	0.64%
Ni 231.604	5.1	0.0001	0.00011	mg/L	0.0001	0.00011	ppm	89.40%
Pb 220.353	-30.5	-0.0021	0.00069	mg/L	-0.0021	0.00069	ppm	32.63%
Sb 206.833	21.9	0.0088	0.00200	mg/L	0.0088	0.00200	ppm	22.89%
Se 196.026	1.9	0.0006	0.00187	mg/L	0.0006	0.00187	ppm	320.52%
Tl 190.800	-10.7	-0.0024	0.00154	mg/L	-0.0024	0.00154	ppm	64.37%
V 292.402	89.2	0.0009	0.00118	mg/L	0.0009	0.00118	ppm	133.23%
Zn 213.856	398.1	0.0075	0.00029	mg/L	0.0075	0.00029	ppm	3.84%

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

ID: 2864-12 F=1 Date: 04/28/03 12:28:19 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-465.3	-44.8	-0.0006	mg/L	-0.0006	ppm
1	Al 308.215	118667.4	118224.8	12.65	mg/L	12.65	ppm
1	As 188.979	-3.6	6.8	0.0024	mg/L	0.0024	ppm
1	Ba 233.527	7419.8	7852.6	0.0710	mg/L	0.0710	ppm
1	Be 313.107	-3491.3	-1190.6	-0.0005	mg/L	-0.0005	ppm
1	Ca 227.547	240.8	273.2	3.319	mg/L	3.319	ppm
1	Cd 228.802	118.4	-7.5	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	439.9	368.4	0.0101	mg/L	0.0101	ppm
1	Cr 267.716	1809.9	1872.8	0.0408	mg/L	0.0408	ppm
1	Cu 324.754	2140.4	1591.9	0.0140	mg/L	0.0140	ppm
1	Fe 273.955	320343.1	320522.8	15.05	mg/L	15.05	ppm
1	K 766.491	285445.4	279358.1	5.303	mg/L	5.303	ppm
1	Mg 279.079	44613.2	45628.3	4.669	mg/L	4.669	ppm
1	Mn 257.610	81963.0	85346.3	0.1993	mg/L	0.1993	ppm
1	Mo 202.030	-64.9	49.5	0.0036	mg/L	0.0036	ppm
1	Na 330.237	42870.3	41636.3	91.54	mg/L	91.54	ppm
1	Ni 231.604	277.7	330.7	0.0082	mg/L	0.0082	ppm
1	Pb 220.353	410.7	76.1	0.0063	mg/L	0.0063	ppm
1	Sb 206.833	60.8	30.0	0.0120	mg/L	0.0120	ppm
1	Se 196.026	16.2	11.7	0.0063	mg/L	0.0063	ppm
1	Tl 190.800	-46.6	-12.8	-0.0040	mg/L	-0.0040	ppm
1	V 292.402	6768.3	6485.7	0.0643	mg/L	0.0643	ppm
1	Zn 213.856	3193.6	3237.3	0.0607	mg/L	0.0607	ppm
2	Ag 328.068	-286.6	133.9	0.0018	mg/L	0.0018	ppm
2	Al 308.215	120330.1	119887.6	12.82	mg/L	12.82	ppm
2	As 188.979	-5.8	4.5	0.0016	mg/L	0.0016	ppm
2	Ba 233.527	7347.6	7780.5	0.0704	mg/L	0.0704	ppm
2	Be 313.107	-3680.9	-1380.2	-0.0006	mg/L	-0.0006	ppm
2	Ca 227.547	239.7	272.1	3.306	mg/L	3.306	ppm
2	Cd 228.802	122.1	-3.8	-0.0001	mg/L	-0.0001	ppm
2	Co 228.616	432.4	360.9	0.0099	mg/L	0.0099	ppm
2	Cr 267.716	1779.6	1842.5	0.0402	mg/L	0.0402	ppm

2 Cu 324.754	2161.6	1613.1	0.0142 mg/L	0.0142 ppm
2 Fe 273.955	321356.8	321536.5	15.10 mg/L	15.10 ppm
2 K 766.491	302584.5	296497.3	5.611 mg/L	5.611 ppm
2 Mg 279.079	44496.1	45511.2	4.657 mg/L	4.657 ppm
2 Mn 257.610	82403.8	85787.0	0.2003 mg/L	0.2003 ppm
2 Mo 202.030	-56.1	58.3	0.0042 mg/L	0.0042 ppm
2 Na 330.237	43208.8	41974.8	92.24 mg/L	92.24 ppm
2 Ni 231.604	287.9	341.0	0.0085 mg/L	0.0085 ppm
2 Pb 220.353	401.5	67.0	0.0057 mg/L	0.0057 ppm
2 Sb 206.833	54.2	23.5	0.0094 mg/L	0.0094 ppm
2 Se 196.026	10.2	5.7	0.0044 mg/L	0.0044 ppm
2 Tl 190.800	-32.6	1.2	0.0004 mg/L	0.0004 ppm
2 V 292.402	6815.6	6533.0	0.0647 mg/L	0.0647 ppm
2 Zn 213.856	3159.5	3203.2	0.0601 mg/L	0.0601 ppm
3 Ag 328.068	-402.7	17.8	0.0002 mg/L	0.0002 ppm
3 Al 308.215	121365.7	120923.1	12.94 mg/L	12.94 ppm
3 As 188.979	-0.4	10.0	0.0036 mg/L	0.0036 ppm
3 Ba 233.527	7275.2	7708.1	0.0697 mg/L	0.0697 ppm
3 Be 313.107	-3409.0	-1108.2	-0.0004 mg/L	-0.0004 ppm
3 Ca 227.547	216.4	248.8	3.022 mg/L	3.022 ppm
3 Cd 228.802	120.1	-5.8	-0.0001 mg/L	-0.0001 ppm
3 Co 228.616	426.8	355.4	0.0098 mg/L	0.0098 ppm
3 Cr 267.716	1779.3	1842.2	0.0401 mg/L	0.0401 ppm
3 Cu 324.754	1841.5	1293.0	0.0114 mg/L	0.0114 ppm
3 Fe 273.955	323487.6	323667.2	15.20 mg/L	15.20 ppm
3 K 766.491	309717.8	303630.5	5.738 mg/L	5.738 ppm
3 Mg 279.079	44821.0	45836.1	4.690 mg/L	4.690 ppm
3 Mn 257.610	82944.3	86327.6	0.2016 mg/L	0.2016 ppm
3 Mo 202.030	-47.9	66.5	0.0048 mg/L	0.0048 ppm
3 Na 330.237	43741.8	42507.8	93.32 mg/L	93.32 ppm
3 Ni 231.604	272.0	325.1	0.0081 mg/L	0.0081 ppm
3 Pb 220.353	390.1	55.6	0.0049 mg/L	0.0049 ppm
3 Sb 206.833	52.8	22.0	0.0088 mg/L	0.0088 ppm
3 Se 196.026	8.9	4.5	0.0041 mg/L	0.0041 ppm
3 Tl 190.800	-42.8	-8.9	-0.0028 mg/L	-0.0028 ppm
3 V 292.402	6808.6	6526.0	0.0647 mg/L	0.0647 ppm
3 Zn 213.856	3158.4	3202.1	0.0600 mg/L	0.0600 ppm

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

ID: 2864-12 F=1 Seq. No.: 24 Sample No.: 11 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:28:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	35.6	0.0005	0.00119	mg/L	0.0005	0.00119	ppm	254.37%
Al 308.215	119678.5	12.80	0.146	mg/L	12.80	0.146	ppm	1.14%
As 188.979	7.1	0.0025	0.00099	mg/L	0.0025	0.00099	ppm	38.70%
Ba 233.527	7780.4	0.0704	0.00065	mg/L	0.0704	0.00065	ppm	0.93%
Be 313.107	-1226.3	-0.0005	0.00006	mg/L	-0.0005	0.00006	ppm	11.37%
Ca 227.547	264.7	3.216	0.1676	mg/L	3.216	0.1676	ppm	5.21%
Cd 228.802	-5.7	-0.0001	0.00004	mg/L	-0.0001	0.00004	ppm	32.38%
Co 228.616	361.5	0.0099	0.00018	mg/L	0.0099	0.00018	ppm	1.81%
Cr 267.716	1852.5	0.0404	0.00038	mg/L	0.0404	0.00038	ppm	0.95%
Cu 324.754	1499.4	0.0132	0.00157	mg/L	0.0132	0.00157	ppm	11.94%
Fe 273.955	321908.8	15.11	0.075	mg/L	15.11	0.075	ppm	0.50%
K 766.491	293162.0	5.551	0.2236	mg/L	5.551	0.2236	ppm	4.03%
Mg 279.079	45658.5	4.672	0.0168	mg/L	4.672	0.0168	ppm	0.36%
Mn 257.610	85820.3	0.2004	0.00115	mg/L	0.2004	0.00115	ppm	0.57%
Mo 202.030	58.1	0.0042	0.00062	mg/L	0.0042	0.00062	ppm	14.62%
Na 330.237	42039.6	92.37	0.897	mg/L	92.37	0.897	ppm	0.97%
Ni 231.604	332.3	0.0083	0.00020	mg/L	0.0083	0.00020	ppm	2.42%
Pb 220.353	66.2	0.0056	0.00070	mg/L	0.0056	0.00070	ppm	12.50%
Sb 206.833	25.2	0.0101	0.00171	mg/L	0.0101	0.00171	ppm	16.95%
Se 196.026	7.3	0.0049	0.00117	mg/L	0.0049	0.00117	ppm	23.72%
Tl 190.800	-6.9	-0.0022	0.00227	mg/L	-0.0022	0.00227	ppm	105.47%
V 292.402	6514.9	0.0645	0.00025	mg/L	0.0645	0.00025	ppm	0.39%
Zn 213.856	3214.2	0.0603	0.00038	mg/L	0.0603	0.00038	ppm	0.62%

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

ID: 2866-1 F=1 Date: 04/28/03 12:31:45 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-392.8	27.7	0.0004	mg/L	0.0004	ppm
1	Al 308.215	897.3	454.7	0.0486	mg/L	0.0486	ppm
1	As 188.979	-11.4	-1.1	-0.0004	mg/L	-0.0004	ppm
1	Ba 233.527	3712.7	4145.6	0.0375	mg/L	0.0375	ppm
1	Be 313.107	-2285.6	15.2	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	4269.2	4301.6	52.26	mg/L	52.26	ppm
1	Cd 228.802	129.8	3.9	0.0001	mg/L	0.0001	ppm
1	Co 228.616	57.7	-13.8	-0.0004	mg/L	-0.0004	ppm
1	Cr 267.716	-5.0	57.9	0.0013	mg/L	0.0013	ppm
1	Cu 324.754	781.4	232.9	0.0020	mg/L	0.0020	ppm
1	Fe 273.955	916.7	1096.4	0.0501	mg/L	0.0501	ppm
1	K 766.491	127196.0	121108.8	2.393	mg/L	2.393	ppm
1	Mg 279.079	160746.6	161761.7	16.55	mg/L	16.55	ppm
1	Mn 257.610	-2858.4	524.8	0.0012	mg/L	0.0012	ppm
1	Mo 202.030	-16.2	98.2	0.0071	mg/L	0.0071	ppm
1	Na 330.237	7939.5	6705.4	16.14	mg/L	16.14	ppm
1	Ni 231.604	-31.2	21.9	0.0005	mg/L	0.0005	ppm
1	Pb 220.353	378.3	43.8	0.0030	mg/L	0.0030	ppm
1	Sb 206.833	40.8	10.0	0.0040	mg/L	0.0040	ppm
1	Se 196.026	-1.3	-5.8	-0.0017	mg/L	-0.0017	ppm
1	Tl 190.800	-28.2	5.6	0.0017	mg/L	0.0017	ppm
1	V 292.402	538.4	255.9	0.0025	mg/L	0.0025	ppm
1	Zn 213.856	182.5	226.2	0.0042	mg/L	0.0042	ppm
2	Ag 328.068	-378.2	42.3	0.0006	mg/L	0.0006	ppm
2	Al 308.215	682.2	239.7	0.0256	mg/L	0.0256	ppm
2	As 188.979	-19.3	-8.9	-0.0032	mg/L	-0.0032	ppm
2	Ba 233.527	3596.4	4029.3	0.0364	mg/L	0.0364	ppm
2	Be 313.107	-2129.0	171.8	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	4167.8	4200.2	51.03	mg/L	51.03	ppm
2	Cd 228.802	129.6	3.7	0.0001	mg/L	0.0001	ppm
2	Co 228.616	58.3	-13.2	-0.0004	mg/L	-0.0004	ppm
2	Cr 267.716	-5.3	57.6	0.0013	mg/L	0.0013	ppm
2	Cu 324.754	620.3	71.8	0.0006	mg/L	0.0006	ppm
2	Fe 273.955	906.2	1085.8	0.0497	mg/L	0.0497	ppm
2	K 766.491	122523.0	116435.7	2.305	mg/L	2.305	ppm
2	Mg 279.079	153648.0	154663.2	15.82	mg/L	15.82	ppm
2	Mn 257.610	-2863.2	520.0	0.0012	mg/L	0.0012	ppm
2	Mo 202.030	-14.6	99.8	0.0073	mg/L	0.0073	ppm
2	Na 330.237	7423.6	6189.5	14.96	mg/L	14.96	ppm
2	Ni 231.604	-61.6	-8.5	-0.0002	mg/L	-0.0002	ppm
2	Pb 220.353	361.3	26.7	0.0019	mg/L	0.0019	ppm
2	Sb 206.833	39.9	9.1	0.0037	mg/L	0.0037	ppm
2	Se 196.026	-5.2	-9.7	-0.0029	mg/L	-0.0029	ppm
2	Tl 190.800	-32.7	1.1	0.0004	mg/L	0.0004	ppm
2	V 292.402	397.3	114.7	0.0011	mg/L	0.0011	ppm
2	Zn 213.856	191.7	235.4	0.0044	mg/L	0.0044	ppm
3	Ag 328.068	-245.7	174.8	0.0023	mg/L	0.0023	ppm
3	Al 308.215	601.0	158.5	0.0170	mg/L	0.0170	ppm
3	As 188.979	-19.0	-8.6	-0.0031	mg/L	-0.0031	ppm
3	Ba 233.527	3580.9	4013.8	0.0363	mg/L	0.0363	ppm
3	Be 313.107	-2391.8	-91.1	0.0000	mg/L	0.0000	ppm
3	Ca 227.547	4168.8	4201.2	51.04	mg/L	51.04	ppm
3	Cd 228.802	121.5	-4.4	-0.0001	mg/L	-0.0001	ppm
3	Co 228.616	71.7	0.3	0.0000	mg/L	0.0000	ppm
3	Cr 267.716	0.1	63.0	0.0014	mg/L	0.0014	ppm
3	Cu 324.754	712.1	163.6	0.0014	mg/L	0.0014	ppm
3	Fe 273.955	877.9	1057.5	0.0483	mg/L	0.0483	ppm
3	K 766.491	119298.4	113211.1	2.244	mg/L	2.244	ppm
3	Mg 279.079	144188.0	145203.1	14.86	mg/L	14.86	ppm
3	Mn 257.610	-2862.3	520.9	0.0012	mg/L	0.0012	ppm
3	Mo 202.030	-19.8	94.7	0.0069	mg/L	0.0069	ppm
3	Na 330.237	7108.2	5874.2	14.24	mg/L	14.24	ppm
3	Ni 231.604	-19.1	34.0	0.0008	mg/L	0.0008	ppm
3	Pb 220.353	336.7	2.2	0.0002	mg/L	0.0002	ppm
3	Sb 206.833	30.0	-0.7	-0.0003	mg/L	-0.0003	ppm
3	Se 196.026	6.5	2.0	0.0006	mg/L	0.0006	ppm
3	Tl 190.800	-43.5	-9.7	-0.0031	mg/L	-0.0031	ppm
3	V 292.402	500.1	217.5	0.0022	mg/L	0.0022	ppm

3 Zn 213.856	196.4	240.1	0.0045 mg/L	0.0045 ppm	

Mean Data

ID: 2866-1 F=1 Seq. No.: 25 Sample No.: 12 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:31:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	81.6	0.0011	0.00106	mg/L	0.0011	0.00106	ppm	99.29%
Al 308.215	284.3	0.0304	0.01638	mg/L	0.0304	0.01638	ppm	53.85%
As 188.979	-6.2	-0.0022	0.00159	mg/L	-0.0022	0.00159	ppm	71.26%
Ba 233.527	4062.9	0.0367	0.00065	mg/L	0.0367	0.00065	ppm	1.77%
Be 313.107	31.9	0.0000	0.00005	mg/L	0.0000	0.00005	ppm	413.97%
Ca 227.547	4234.3	51.44	0.708	mg/L	51.44	0.708	ppm	1.38%
Cd 228.802	1.1	0.0000	0.00011	mg/L	0.0000	0.00011	ppm	445.36%
Co 228.616	-8.9	-0.0002	0.00022	mg/L	-0.0002	0.00022	ppm	89.11%
Cr 267.716	59.5	0.0013	0.00007	mg/L	0.0013	0.00007	ppm	5.12%
Cu 324.754	156.1	0.0014	0.00071	mg/L	0.0014	0.00071	ppm	51.80%
Fe 273.955	1079.9	0.0494	0.00094	mg/L	0.0494	0.00094	ppm	1.91%
K 766.491	116918.5	2.314	0.0748	mg/L	2.314	0.0748	ppm	3.23%
Mg 279.079	153876.0	15.74	0.850	mg/L	15.74	0.850	ppm	5.40%
Mn 257.610	521.9	0.0012	0.00001	mg/L	0.0012	0.00001	ppm	0.49%
Mo 202.030	97.6	0.0071	0.00019	mg/L	0.0071	0.00019	ppm	2.72%
Na 330.237	6256.4	15.11	0.961	mg/L	15.11	0.961	ppm	6.36%
Ni 231.604	15.8	0.0004	0.00054	mg/L	0.0004	0.00054	ppm	138.82%
Pb 220.353	24.2	0.0017	0.00145	mg/L	0.0017	0.00145	ppm	86.26%
Sb 206.833	6.1	0.0025	0.00239	mg/L	0.0025	0.00239	ppm	97.42%
Se 196.026	-4.5	-0.0014	0.00181	mg/L	-0.0014	0.00181	ppm	133.27%
Tl 190.800	-1.0	-0.0003	0.00247	mg/L	-0.0003	0.00247	ppm	780.01%
V 292.402	196.0	0.0019	0.00072	mg/L	0.0019	0.00072	ppm	37.24%
Zn 213.856	233.9	0.0044	0.00013	mg/L	0.0044	0.00013	ppm	3.03%

Replicate Data

ID: 2866-2 F=1 Date: 04/28/03 12:35:12 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-404.8	15.7	0.0002	mg/L	0.0002	ppm
1	Al 308.215	623.3	180.8	0.0193	mg/L	0.0193	ppm
1	As 188.979	-18.6	-8.3	-0.0030	mg/L	-0.0030	ppm
1	Ba 233.527	96.1	529.0	0.0048	mg/L	0.0048	ppm
1	Be 313.107	-2224.3	76.5	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	-40.9	-8.5	-0.1036	mg/L	-0.1036	ppm
1	Cd 228.802	135.2	9.3	0.0002	mg/L	0.0002	ppm
1	Co 228.616	74.8	3.3	0.0001	mg/L	0.0001	ppm
1	Cr 267.716	6.1	69.0	0.0015	mg/L	0.0015	ppm
1	Cu 324.754	612.1	63.6	0.0006	mg/L	0.0006	ppm
1	Fe 273.955	378.2	557.8	0.0262	mg/L	0.0262	ppm
1	K 766.491	8287.8	2200.5	0.1134	mg/L	0.1134	ppm
1	Mg 279.079	-920.5	94.6	0.0097	mg/L	0.0097	ppm
1	Mn 257.610	-3195.6	187.6	0.0004	mg/L	0.0004	ppm
1	Mo 202.030	-129.2	-14.8	-0.0011	mg/L	-0.0011	ppm
1	Na 330.237	1295.3	61.2	0.7659	mg/L	0.7659	ppm
1	Ni 231.604	-25.8	27.3	0.0007	mg/L	0.0007	ppm
1	Pb 220.353	327.1	-7.5	-0.0005	mg/L	-0.0005	ppm
1	Sb 206.833	42.1	11.4	0.0046	mg/L	0.0046	ppm
1	Se 196.026	11.7	7.2	0.0022	mg/L	0.0022	ppm
1	Tl 190.800	-41.5	-7.7	-0.0024	mg/L	-0.0024	ppm
1	V 292.402	319.4	36.8	0.0004	mg/L	0.0004	ppm
1	Zn 213.856	199.4	243.1	0.0046	mg/L	0.0046	ppm
2	Ag 328.068	-348.8	71.7	0.0009	mg/L	0.0009	ppm
2	Al 308.215	653.3	210.8	0.0225	mg/L	0.0225	ppm
2	As 188.979	-5.9	4.4	0.0016	mg/L	0.0016	ppm
2	Ba 233.527	92.4	525.3	0.0048	mg/L	0.0048	ppm
2	Be 313.107	-2321.2	-20.5	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	-40.2	-7.8	-0.0950	mg/L	-0.0950	ppm
2	Cd 228.802	136.0	10.1	0.0002	mg/L	0.0002	ppm
2	Co 228.616	73.5	2.0	0.0001	mg/L	0.0001	ppm
2	Cr 267.716	-5.3	57.6	0.0013	mg/L	0.0013	ppm
2	Cu 324.754	577.6	29.1	0.0003	mg/L	0.0003	ppm

2 Fe 273.955	375.6	555.3	0.0261 mg/L	0.0261 ppm
2 K 766.491	7688.7	1601.4	0.1017 mg/L	0.1017 ppm
2 Mg 279.079	-959.1	56.0	0.0057 mg/L	0.0057 ppm
2 Mn 257.610	-3199.7	183.5	0.0004 mg/L	0.0004 ppm
2 Mo 202.030	-117.9	-3.5	-0.0003 mg/L	-0.0003 ppm
2 Na 330.237	1362.8	128.7	0.9240 mg/L	0.9240 ppm
2 Ni 231.604	-50.7	2.4	0.0001 mg/L	0.0001 ppm
2 Pb 220.353	345.2	10.7	0.0007 mg/L	0.0007 ppm
2 Sb 206.833	43.1	12.3	0.0049 mg/L	0.0049 ppm
2 Se 196.026	12.3	7.9	0.0024 mg/L	0.0024 ppm
2 Tl 190.800	-39.7	-5.9	-0.0019 mg/L	-0.0019 ppm
2 V 292.402	291.7	9.2	0.0001 mg/L	0.0001 ppm
2 Zn 213.856	206.2	249.9	0.0047 mg/L	0.0047 ppm
3 Ag 328.068	-319.7	100.8	0.0013 mg/L	0.0013 ppm
3 Al 308.215	663.3	220.8	0.0236 mg/L	0.0236 ppm
3 As 188.979	-29.3	-19.0	-0.0068 mg/L	-0.0068 ppm
3 Ba 233.527	96.9	529.8	0.0048 mg/L	0.0048 ppm
3 Be 313.107	-2442.3	-141.5	-0.0001 mg/L	-0.0001 ppm
3 Ca 227.547	-48.4	-16.1	-0.1951 mg/L	-0.1951 ppm
3 Cd 228.802	129.1	3.2	0.0001 mg/L	0.0001 ppm
3 Co 228.616	63.0	-8.5	-0.0002 mg/L	-0.0002 ppm
3 Cr 267.716	7.3	70.2	0.0015 mg/L	0.0015 ppm
3 Cu 324.754	772.5	224.0	0.0020 mg/L	0.0020 ppm
3 Fe 273.955	367.1	546.8	0.0257 mg/L	0.0257 ppm
3 K 766.491	7721.8	1634.6	0.1024 mg/L	0.1024 ppm
3 Mg 279.079	-923.3	91.8	0.0094 mg/L	0.0094 ppm
3 Mn 257.610	-3220.9	162.3	0.0004 mg/L	0.0004 ppm
3 Mo 202.030	-119.6	-5.2	-0.0004 mg/L	-0.0004 ppm
3 Na 330.237	1479.0	244.9	1.196 mg/L	1.196 ppm
3 Ni 231.604	-49.0	4.1	0.0001 mg/L	0.0001 ppm
3 Pb 220.353	336.8	2.2	0.0002 mg/L	0.0002 ppm
3 Sb 206.833	24.6	-6.1	-0.0025 mg/L	-0.0025 ppm
3 Se 196.026	23.9	19.4	0.0059 mg/L	0.0059 ppm
3 Tl 190.800	-35.9	-2.1	-0.0006 mg/L	-0.0006 ppm
3 V 292.402	246.3	-36.3	-0.0004 mg/L	-0.0004 ppm
3 Zn 213.856	197.5	241.2	0.0045 mg/L	0.0045 ppm

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

ID: 2866-2 F=1 Seq. No.: 26 Sample No.: 13 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:35:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	62.8	0.0008	0.00057	mg/L	0.0008	0.00057	ppm	68.95%
Al 308.215	204.1	0.0218	0.00223	mg/L	0.0218	0.00223	ppm	10.19%
As 188.979	-7.6	-0.0027	0.00421	mg/L	-0.0027	0.00421	ppm	153.74%
Ba 233.527	528.0	0.0048	0.00002	mg/L	0.0048	0.00002	ppm	0.45%
Be 313.107	-28.5	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	382.91%
Ca 227.547	-10.8	-0.1312	0.05545	mg/L	-0.1312	0.05545	ppm	42.26%
Cd 228.802	7.5	0.0002	0.00009	mg/L	0.0002	0.00009	ppm	50.29%
Co 228.616	-1.1	0.0000	0.00018	mg/L	0.0000	0.00018	ppm	611.68%
Cr 267.716	65.6	0.0014	0.00015	mg/L	0.0014	0.00015	ppm	10.57%
Cu 324.754	105.6	0.0009	0.00091	mg/L	0.0009	0.00091	ppm	98.52%
Fe 273.955	553.3	0.0260	0.00027	mg/L	0.0260	0.00027	ppm	1.05%
K 766.491	1812.2	0.1058	0.00658	mg/L	0.1058	0.00658	ppm	6.22%
Mg 279.079	80.8	0.0083	0.00220	mg/L	0.0083	0.00220	ppm	26.66%
Mn 257.610	177.8	0.0004	0.00003	mg/L	0.0004	0.00003	ppm	7.63%
Mo 202.030	-7.8	-0.0006	0.00044	mg/L	-0.0006	0.00044	ppm	78.03%
Na 330.237	145.0	0.9620	0.21756	mg/L	0.9620	0.21756	ppm	22.62%
Ni 231.604	11.2	0.0003	0.00035	mg/L	0.0003	0.00035	ppm	123.55%
Pb 220.353	1.8	0.0001	0.00063	mg/L	0.0001	0.00063	ppm	499.47%
Sb 206.833	5.9	0.0023	0.00416	mg/L	0.0023	0.00416	ppm	177.27%
Se 196.026	11.5	0.0035	0.00209	mg/L	0.0035	0.00209	ppm	59.75%
Tl 190.800	-5.2	-0.0016	0.00091	mg/L	-0.0016	0.00091	ppm	55.24%
V 292.402	3.2	0.0000	0.00037	mg/L	0.0000	0.00037	ppm	>999.9%
Zn 213.856	244.7	0.0046	0.00008	mg/L	0.0046	0.00008	ppm	1.85%

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

ID: 2866-3 F=1 Date: 04/28/03 12:38:38 PM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Ag 328.068	-327.0	93.5	0.0012	mg/L	0.0012	ppm
1	Al 308.215	620.1	177.5	0.0190	mg/L	0.0190	ppm
1	As 188.979	-18.0	-7.7	-0.0028	mg/L	-0.0028	ppm
1	Ba 233.527	3656.3	4089.1	0.0370	mg/L	0.0370	ppm
1	Be 313.107	-2258.7	42.0	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	4321.5	4353.8	52.90	mg/L	52.90	ppm
1	Cd 228.802	138.5	12.6	0.0003	mg/L	0.0003	ppm
1	Co 228.616	76.9	5.4	0.0001	mg/L	0.0001	ppm
1	Cr 267.716	12.2	75.1	0.0016	mg/L	0.0016	ppm
1	Cu 324.754	1042.7	494.2	0.0043	mg/L	0.0043	ppm
1	Fe 273.955	1077.0	1256.6	0.0576	mg/L	0.0576	ppm
1	K 766.491	126905.4	120818.2	2.388	mg/L	2.388	ppm
1	Mg 279.079	159363.3	160378.4	16.41	mg/L	16.41	ppm
1	Mn 257.610	-2730.2	653.0	0.0015	mg/L	0.0015	ppm
1	Mo 202.030	-17.9	96.5	0.0070	mg/L	0.0070	ppm
1	Na 330.237	7924.8	6690.8	16.11	mg/L	16.11	ppm
1	Ni 231.604	-25.2	27.9	0.0007	mg/L	0.0007	ppm
1	Pb 220.353	351.6	17.1	0.0012	mg/L	0.0012	ppm
1	Sb 206.833	39.3	8.6	0.0034	mg/L	0.0034	ppm
1	Se 196.026	13.3	8.8	0.0027	mg/L	0.0027	ppm
1	Tl 190.800	-43.7	-9.9	-0.0031	mg/L	-0.0031	ppm
1	V 292.402	349.6	67.0	0.0007	mg/L	0.0007	ppm
1	Zn 213.856	508.3	552.0	0.0104	mg/L	0.0104	ppm
2	Ag 328.068	-158.6	261.9	0.0034	mg/L	0.0034	ppm
2	Al 308.215	699.4	256.8	0.0275	mg/L	0.0275	ppm
2	As 188.979	-20.9	-10.5	-0.0038	mg/L	-0.0038	ppm
2	Ba 233.527	3580.4	4013.3	0.0363	mg/L	0.0363	ppm
2	Be 313.107	-2185.7	115.1	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	4226.1	4258.5	51.74	mg/L	51.74	ppm
2	Cd 228.802	125.2	-0.7	0.0000	mg/L	0.0000	ppm
2	Co 228.616	73.8	2.3	0.0001	mg/L	0.0001	ppm
2	Cr 267.716	8.2	71.1	0.0015	mg/L	0.0015	ppm
2	Cu 324.754	1012.9	464.4	0.0041	mg/L	0.0041	ppm
2	Fe 273.955	1063.3	1243.0	0.0570	mg/L	0.0570	ppm
2	K 766.491	126041.4	119954.1	2.371	mg/L	2.371	ppm
2	Mg 279.079	156432.4	157447.5	16.11	mg/L	16.11	ppm
2	Mn 257.610	-2778.1	605.1	0.0014	mg/L	0.0014	ppm
2	Mo 202.030	-22.5	91.9	0.0067	mg/L	0.0067	ppm
2	Na 330.237	7856.9	6622.9	15.95	mg/L	15.95	ppm
2	Ni 231.604	-20.2	32.9	0.0008	mg/L	0.0008	ppm
2	Pb 220.353	340.1	5.6	0.0004	mg/L	0.0004	ppm
2	Sb 206.833	39.5	8.8	0.0035	mg/L	0.0035	ppm
2	Se 196.026	-3.0	-7.4	-0.0023	mg/L	-0.0023	ppm
2	Tl 190.800	-39.9	-6.1	-0.0019	mg/L	-0.0019	ppm
2	V 292.402	523.5	240.9	0.0024	mg/L	0.0024	ppm
2	Zn 213.856	516.7	560.4	0.0105	mg/L	0.0105	ppm
3	Ag 328.068	-211.9	208.6	0.0027	mg/L	0.0027	ppm
3	Al 308.215	660.4	217.8	0.0233	mg/L	0.0233	ppm
3	As 188.979	-28.3	-17.9	-0.0064	mg/L	-0.0064	ppm
3	Ba 233.527	3568.8	4001.6	0.0362	mg/L	0.0362	ppm
3	Be 313.107	-2433.3	-132.5	-0.0001	mg/L	-0.0001	ppm
3	Ca 227.547	4212.7	4245.1	51.58	mg/L	51.58	ppm
3	Cd 228.802	139.2	13.3	0.0003	mg/L	0.0003	ppm
3	Co 228.616	69.1	-2.4	-0.0001	mg/L	-0.0001	ppm
3	Cr 267.716	3.3	66.2	0.0014	mg/L	0.0014	ppm
3	Cu 324.754	965.7	417.2	0.0037	mg/L	0.0037	ppm
3	Fe 273.955	1004.4	1184.0	0.0542	mg/L	0.0542	ppm
3	K 766.491	125888.1	119800.9	2.369	mg/L	2.369	ppm
3	Mg 279.079	153964.4	154979.5	15.86	mg/L	15.86	ppm
3	Mn 257.610	-2754.8	628.4	0.0015	mg/L	0.0015	ppm
3	Mo 202.030	-14.5	100.0	0.0073	mg/L	0.0073	ppm
3	Na 330.237	7556.0	6322.0	15.26	mg/L	15.26	ppm
3	Ni 231.604	-53.6	-0.5	0.0000	mg/L	0.0000	ppm
3	Pb 220.353	355.6	21.1	0.0015	mg/L	0.0015	ppm
3	Sb 206.833	42.6	11.8	0.0047	mg/L	0.0047	ppm
3	Se 196.026	-1.3	-5.7	-0.0017	mg/L	-0.0017	ppm
3	Tl 190.800	-35.3	-1.5	-0.0005	mg/L	-0.0005	ppm
3	V 292.402	418.7	136.1	0.0013	mg/L	0.0013	ppm
3	Zn 213.856	523.3	567.0	0.0106	mg/L	0.0106	ppm

Mean Data

ID: 2866-3 F=1 Seq. No.: 27 Sample No.: 14 A/S Pos: 23
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:38:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	188.0	0.0025	0.00113	mg/L	0.0025	0.00113	ppm	45.78%
Al 308.215	217.4	0.0233	0.00424	mg/L	0.0233	0.00424	ppm	18.24%
As 188.979	-12.0	-0.0043	0.00190	mg/L	-0.0043	0.00190	ppm	43.87%
Ba 233.527	4034.7	0.0365	0.00043	mg/L	0.0365	0.00043	ppm	1.18%
Be 313.107	8.2	0.0000	0.00005	mg/L	0.0000	0.00005	ppm	>999.9%
Ca 227.547	4285.8	52.07	0.720	mg/L	52.07	0.720	ppm	1.38%
Cd 228.802	8.4	0.0002	0.00019	mg/L	0.0002	0.00019	ppm	93.58%
Co 228.616	1.8	0.0000	0.00011	mg/L	0.0000	0.00011	ppm	221.39%
Cr 267.716	70.8	0.0015	0.00010	mg/L	0.0015	0.00010	ppm	6.31%
Cu 324.754	458.6	0.0040	0.00034	mg/L	0.0040	0.00034	ppm	8.47%
Fe 273.955	1227.9	0.0563	0.00180	mg/L	0.0563	0.00180	ppm	3.20%
K 766.491	120191.0	2.376	0.0103	mg/L	2.376	0.0103	ppm	0.43%
Mg 279.079	157601.8	16.13	0.277	mg/L	16.13	0.277	ppm	1.71%
Mn 257.610	628.8	0.0015	0.00006	mg/L	0.0015	0.00006	ppm	3.81%
Mo 202.030	96.1	0.0070	0.00029	mg/L	0.0070	0.00029	ppm	4.21%
Na 330.237	6545.2	15.77	0.449	mg/L	15.77	0.449	ppm	2.85%
Ni 231.604	20.1	0.0005	0.00045	mg/L	0.0005	0.00045	ppm	89.70%
Pb 220.353	14.6	0.0010	0.00056	mg/L	0.0010	0.00056	ppm	55.32%
Sb 206.833	9.7	0.0039	0.00073	mg/L	0.0039	0.00073	ppm	18.71%
Se 196.026	-1.4	-0.0004	0.00271	mg/L	-0.0004	0.00271	ppm	618.41%
Tl 190.800	-5.8	-0.0018	0.00133	mg/L	-0.0018	0.00133	ppm	72.65%
V 292.402	148.0	0.0015	0.00087	mg/L	0.0015	0.00087	ppm	59.17%
Zn 213.856	559.8	0.0105	0.00014	mg/L	0.0105	0.00014	ppm	1.35%

Replicate Data

ID: 2866-4 F=1 Date: 04/28/03 12:42:06 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-297.4	123.1	0.0016	mg/L	0.0016	ppm
1	Al 308.215	948.9	506.4	0.0542	mg/L	0.0542	ppm
1	As 188.979	-17.4	-7.1	-0.0025	mg/L	-0.0025	ppm
1	Ba 233.527	3880.3	4313.1	0.0390	mg/L	0.0390	ppm
1	Be 313.107	-2290.9	9.9	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	3272.4	3304.7	40.15	mg/L	40.15	ppm
1	Cd 228.802	135.6	9.7	0.0002	mg/L	0.0002	ppm
1	Co 228.616	59.2	-12.3	-0.0003	mg/L	-0.0003	ppm
1	Cr 267.716	13.5	76.4	0.0017	mg/L	0.0017	ppm
1	Cu 324.754	820.2	271.7	0.0024	mg/L	0.0024	ppm
1	Fe 273.955	1287.1	1466.8	0.0678	mg/L	0.0678	ppm
1	K 766.491	96857.5	90770.2	1.820	mg/L	1.820	ppm
1	Mg 279.079	130535.4	131550.5	13.46	mg/L	13.46	ppm
1	Mn 257.610	-2224.9	1158.3	0.0027	mg/L	0.0027	ppm
1	Mo 202.030	-67.8	46.7	0.0034	mg/L	0.0034	ppm
1	Na 330.237	6862.3	5628.3	13.67	mg/L	13.67	ppm
1	Ni 231.604	-40.5	12.6	0.0003	mg/L	0.0003	ppm
1	Pb 220.353	364.8	30.3	0.0021	mg/L	0.0021	ppm
1	Sb 206.833	38.3	7.5	0.0030	mg/L	0.0030	ppm
1	Se 196.026	7.3	2.9	0.0009	mg/L	0.0009	ppm
1	Tl 190.800	-40.8	-7.0	-0.0022	mg/L	-0.0022	ppm
1	V 292.402	590.7	308.1	0.0031	mg/L	0.0031	ppm
1	Zn 213.856	381.9	425.6	0.0080	mg/L	0.0080	ppm
2	Ag 328.068	-353.3	67.2	0.0009	mg/L	0.0009	ppm
2	Al 308.215	949.6	507.0	0.0542	mg/L	0.0542	ppm
2	As 188.979	-10.6	-0.3	-0.0001	mg/L	-0.0001	ppm
2	Ba 233.527	3721.4	4154.2	0.0376	mg/L	0.0376	ppm
2	Be 313.107	-2390.3	-89.6	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	3195.1	3227.4	39.21	mg/L	39.21	ppm
2	Cd 228.802	132.1	6.2	0.0001	mg/L	0.0001	ppm
2	Co 228.616	69.4	-2.1	-0.0001	mg/L	-0.0001	ppm
2	Cr 267.716	17.9	80.8	0.0018	mg/L	0.0018	ppm
2	Cu 324.754	950.8	402.3	0.0035	mg/L	0.0035	ppm
2	Fe 273.955	1233.6	1413.2	0.0653	mg/L	0.0653	ppm

2	K 766.491	93822.2	87734.9	1.762	mg/L	1.762 ppm
2	Mg 279.079	125364.2	126379.3	12.93	mg/L	12.93 ppm
2	Mn 257.610	-2297.2	1086.0	0.0025	mg/L	0.0025 ppm
2	Mo 202.030	-60.1	54.3	0.0040	mg/L	0.0040 ppm
2	Na 330.237	6497.5	5263.4	12.83	mg/L	12.83 ppm
2	Ni 231.604	-66.2	-13.1	-0.0003	mg/L	-0.0003 ppm
2	Pb 220.353	315.5	-19.0	-0.0013	mg/L	-0.0013 ppm
2	Sb 206.833	37.9	7.2	0.0029	mg/L	0.0029 ppm
2	Se 196.026	6.0	1.5	0.0005	mg/L	0.0005 ppm
2	Tl 190.800	-36.0	-2.1	-0.0007	mg/L	-0.0007 ppm
2	V 292.402	764.6	482.0	0.0048	mg/L	0.0048 ppm
2	Zn 213.856	375.6	419.3	0.0079	mg/L	0.0079 ppm
3	Ag 328.068	-256.6	163.9	0.0021	mg/L	0.0021 ppm
3	Al 308.215	981.2	538.6	0.0576	mg/L	0.0576 ppm
3	As 188.979	-17.2	-6.8	-0.0025	mg/L	-0.0025 ppm
3	Ba 233.527	3681.4	4114.3	0.0372	mg/L	0.0372 ppm
3	Be 313.107	-2201.8	99.0	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	3173.2	3205.6	38.95	mg/L	38.95 ppm
3	Cd 228.802	138.6	12.7	0.0003	mg/L	0.0003 ppm
3	Co 228.616	60.2	-11.2	-0.0003	mg/L	-0.0003 ppm
3	Cr 267.716	23.4	86.4	0.0019	mg/L	0.0019 ppm
3	Cu 324.754	747.5	199.0	0.0017	mg/L	0.0017 ppm
3	Fe 273.955	1210.8	1390.4	0.0643	mg/L	0.0643 ppm
3	K 766.491	94335.7	88248.4	1.772	mg/L	1.772 ppm
3	Mg 279.079	126447.8	127462.9	13.04	mg/L	13.04 ppm
3	Mn 257.610	-2324.1	1059.1	0.0025	mg/L	0.0025 ppm
3	Mo 202.030	-53.3	61.1	0.0044	mg/L	0.0044 ppm
3	Na 330.237	6365.3	5131.3	12.53	mg/L	12.53 ppm
3	Ni 231.604	-38.0	15.1	0.0004	mg/L	0.0004 ppm
3	Pb 220.353	331.4	-3.2	-0.0002	mg/L	-0.0002 ppm
3	Sb 206.833	47.9	17.1	0.0068	mg/L	0.0068 ppm
3	Se 196.026	11.3	6.8	0.0021	mg/L	0.0021 ppm
3	Tl 190.800	-37.8	-3.9	-0.0012	mg/L	-0.0012 ppm
3	V 292.402	734.8	452.2	0.0045	mg/L	0.0045 ppm
3	Zn 213.856	366.4	410.1	0.0077	mg/L	0.0077 ppm

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

ID: 2866-4 F=1 Seq. No.: 28 Sample No.: 15 A/S Pos: 24

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

Data: Original Date: 04/28/03 12:42:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	118.1	0.0015	0.00063	mg/L	0.0015	0.00063	ppm	41.10%
Al 308.215	517.3	0.0553	0.00197	mg/L	0.0553	0.00197	ppm	3.56%
As 188.979	-4.7	-0.0017	0.00138	mg/L	-0.0017	0.00138	ppm	81.13%
Ba 233.527	4193.9	0.0379	0.00095	mg/L	0.0379	0.00095	ppm	2.51%
Be 313.107	6.4	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	>999.9%
Ca 227.547	3245.9	39.44	0.633	mg/L	39.44	0.633	ppm	1.60%
Cd 228.802	9.5	0.0002	0.00008	mg/L	0.0002	0.00008	ppm	34.26%
Co 228.616	-8.6	-0.0002	0.00015	mg/L	-0.0002	0.00015	ppm	65.24%
Cr 267.716	81.2	0.0018	0.00011	mg/L	0.0018	0.00011	ppm	6.16%
Cu 324.754	291.0	0.0026	0.00091	mg/L	0.0026	0.00091	ppm	35.41%
Fe 273.955	1423.5	0.0658	0.00182	mg/L	0.0658	0.00182	ppm	2.77%
K 766.491	88917.8	1.784	0.0309	mg/L	1.784	0.0309	ppm	1.73%
Mg 279.079	128464.3	13.14	0.279	mg/L	13.14	0.279	ppm	2.12%
Mn 257.610	1101.1	0.0026	0.00012	mg/L	0.0026	0.00012	ppm	4.66%
Mo 202.030	54.0	0.0039	0.00053	mg/L	0.0039	0.00053	ppm	13.41%
Na 330.237	5341.0	13.01	0.591	mg/L	13.01	0.591	ppm	4.54%
Ni 231.604	4.9	0.0001	0.00039	mg/L	0.0001	0.00039	ppm	321.37%
Pb 220.353	2.7	0.0002	0.00174	mg/L	0.0002	0.00174	ppm	932.59%
Sb 206.833	10.6	0.0042	0.00226	mg/L	0.0042	0.00226	ppm	53.17%
Se 196.026	3.7	0.0011	0.00083	mg/L	0.0011	0.00083	ppm	73.45%
Tl 190.800	-4.4	-0.0014	0.00077	mg/L	-0.0014	0.00077	ppm	56.39%
V 292.402	414.1	0.0041	0.00092	mg/L	0.0041	0.00092	ppm	22.47%
Zn 213.856	418.3	0.0078	0.00015	mg/L	0.0078	0.00015	ppm	1.87%

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

ID: 2866-5 F=1 Date: 04/28/03 12:45:33 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units

1	Ag 328.068	-470.8	-50.3	-0.0007	mg/L	-0.0007 ppm
1	Al 308.215	720.3	277.7	0.0297	mg/L	0.0297 ppm
1	As 188.979	-11.9	-1.5	-0.0005	mg/L	-0.0005 ppm
1	Ba 233.527	5774.3	6207.2	0.0561	mg/L	0.0561 ppm
1	Be 313.107	-2213.6	87.1	0.0000	mg/L	0.0000 ppm
1	Ca 227.547	3060.0	3092.3	37.57	mg/L	37.57 ppm
1	Cd 228.802	124.4	-1.5	0.0000	mg/L	0.0000 ppm
1	Co 228.616	71.8	0.4	0.0000	mg/L	0.0000 ppm
1	Cr 267.716	51.8	114.7	0.0025	mg/L	0.0025 ppm
1	Cu 324.754	618.1	69.6	0.0006	mg/L	0.0006 ppm
1	Fe 273.955	507.5	687.1	0.0313	mg/L	0.0313 ppm
1	K 766.491	127803.1	121715.8	2.405	mg/L	2.405 ppm
1	Mg 279.079	130284.4	131299.5	13.43	mg/L	13.43 ppm
1	Mn 257.610	-3052.6	330.7	0.0008	mg/L	0.0008 ppm
1	Mo 202.030	-26.9	87.5	0.0064	mg/L	0.0064 ppm
1	Na 330.237	26258.4	25024.4	56.73	mg/L	56.73 ppm
1	Ni 231.604	-32.8	20.3	0.0005	mg/L	0.0005 ppm
1	Pb 220.353	337.5	2.9	0.0002	mg/L	0.0002 ppm
1	Sb 206.833	40.9	10.1	0.0040	mg/L	0.0040 ppm
1	Se 196.026	17.5	13.0	0.0040	mg/L	0.0040 ppm
1	Tl 190.800	-37.9	-4.1	-0.0013	mg/L	-0.0013 ppm
1	V 292.402	545.6	263.0	0.0026	mg/L	0.0026 ppm
1	Zn 213.856	201.9	245.6	0.0046	mg/L	0.0046 ppm
2	Ag 328.068	-287.2	133.3	0.0017	mg/L	0.0017 ppm
2	Al 308.215	679.2	236.6	0.0253	mg/L	0.0253 ppm
2	As 188.979	-19.9	-9.6	-0.0035	mg/L	-0.0035 ppm
2	Ba 233.527	5635.9	6068.8	0.0549	mg/L	0.0549 ppm
2	Be 313.107	-2205.9	94.8	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	2993.9	3026.3	36.77	mg/L	36.77 ppm
2	Cd 228.802	143.8	17.9	0.0004	mg/L	0.0004 ppm
2	Co 228.616	45.1	-26.4	-0.0007	mg/L	-0.0007 ppm
2	Cr 267.716	54.1	117.0	0.0025	mg/L	0.0025 ppm
2	Cu 324.754	552.0	3.5	0.0000	mg/L	0.0000 ppm
2	Fe 273.955	486.4	666.1	0.0303	mg/L	0.0303 ppm
2	K 766.491	117837.6	111750.4	2.217	mg/L	2.217 ppm
2	Mg 279.079	118372.0	119387.2	12.22	mg/L	12.22 ppm
2	Mn 257.610	-3091.4	291.8	0.0007	mg/L	0.0007 ppm
2	Mo 202.030	-9.2	105.2	0.0077	mg/L	0.0077 ppm
2	Na 330.237	23986.2	22752.2	51.83	mg/L	51.83 ppm
2	Ni 231.604	-38.1	15.0	0.0004	mg/L	0.0004 ppm
2	Pb 220.353	337.6	3.1	0.0002	mg/L	0.0002 ppm
2	Sb 206.833	41.5	10.8	0.0043	mg/L	0.0043 ppm
2	Se 196.026	6.3	1.9	0.0006	mg/L	0.0006 ppm
2	Tl 190.800	-35.1	-1.3	-0.0004	mg/L	-0.0004 ppm
2	V 292.402	533.7	251.1	0.0025	mg/L	0.0025 ppm
2	Zn 213.856	195.4	239.1	0.0045	mg/L	0.0045 ppm
3	Ag 328.068	-427.2	-6.7	-0.0001	mg/L	-0.0001 ppm
3	Al 308.215	706.2	263.6	0.0282	mg/L	0.0282 ppm
3	As 188.979	-16.0	-5.6	-0.0020	mg/L	-0.0020 ppm
3	Ba 233.527	5581.6	6014.4	0.0544	mg/L	0.0544 ppm
3	Be 313.107	-2386.6	-85.8	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	2967.3	2999.6	36.44	mg/L	36.44 ppm
3	Cd 228.802	145.4	19.5	0.0005	mg/L	0.0005 ppm
3	Co 228.616	80.2	8.7	0.0002	mg/L	0.0002 ppm
3	Cr 267.716	42.3	105.2	0.0023	mg/L	0.0023 ppm
3	Cu 324.754	705.4	156.9	0.0014	mg/L	0.0014 ppm
3	Fe 273.955	457.5	637.1	0.0290	mg/L	0.0290 ppm
3	K 766.491	127506.1	121418.8	2.399	mg/L	2.399 ppm
3	Mg 279.079	123765.8	124780.9	12.77	mg/L	12.77 ppm
3	Mn 257.610	-3107.3	275.9	0.0006	mg/L	0.0006 ppm
3	Mo 202.030	-18.0	96.4	0.0070	mg/L	0.0070 ppm
3	Na 330.237	24971.3	23737.2	53.95	mg/L	53.95 ppm
3	Ni 231.604	-38.1	15.0	0.0004	mg/L	0.0004 ppm
3	Pb 220.353	362.8	28.2	0.0020	mg/L	0.0020 ppm
3	Sb 206.833	42.7	12.0	0.0048	mg/L	0.0048 ppm
3	Se 196.026	1.8	-2.6	-0.0008	mg/L	-0.0008 ppm
3	Tl 190.800	-41.7	-7.9	-0.0025	mg/L	-0.0025 ppm
3	V 292.402	483.5	200.9	0.0020	mg/L	0.0020 ppm
3	Zn 213.856	202.0	245.7	0.0046	mg/L	0.0046 ppm

Mean Data

ID: 2866-5 F=1 Seq. No.: 29 Sample No.: 16 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:45:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	25.4	0.0003	0.00125	mg/L	0.0003	0.00125	ppm	377.12%
Al 308.215	259.3	0.0277	0.00223	mg/L	0.0277	0.00223	ppm	8.06%
As 188.979	-5.6	-0.0020	0.00145	mg/L	-0.0020	0.00145	ppm	72.42%
Ba 233.527	6096.8	0.0551	0.00090	mg/L	0.0551	0.00090	ppm	1.63%
Be 313.107	32.0	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	318.88%
Ca 227.547	3039.4	36.93	0.580	mg/L	36.93	0.580	ppm	1.57%
Cd 228.802	12.0	0.0003	0.00028	mg/L	0.0003	0.00028	ppm	97.52%
Co 228.616	-5.8	-0.0002	0.00050	mg/L	-0.0002	0.00050	ppm	317.55%
Cr 267.716	112.3	0.0024	0.00014	mg/L	0.0024	0.00014	ppm	5.54%
Cu 324.754	76.7	0.0007	0.00068	mg/L	0.0007	0.00068	ppm	100.34%
Fe 273.955	663.5	0.0302	0.00117	mg/L	0.0302	0.00117	ppm	3.86%
K 766.491	118295.0	2.340	0.1069	mg/L	2.340	0.1069	ppm	4.57%
Mg 279.079	125155.9	12.81	0.610	mg/L	12.81	0.610	ppm	4.77%
Mn 257.610	299.5	0.0007	0.00007	mg/L	0.0007	0.00007	ppm	9.40%
Mo 202.030	96.4	0.0070	0.00064	mg/L	0.0070	0.00064	ppm	9.17%
Na 330.237	23837.9	54.17	2.458	mg/L	54.17	2.458	ppm	4.54%
Ni 231.604	16.7	0.0004	0.00008	mg/L	0.0004	0.00008	ppm	18.46%
Pb 220.353	11.4	0.0008	0.00101	mg/L	0.0008	0.00101	ppm	127.64%
Sb 206.833	11.0	0.0044	0.00038	mg/L	0.0044	0.00038	ppm	8.58%
Se 196.026	4.1	0.0012	0.00245	mg/L	0.0012	0.00245	ppm	197.10%
Tl 190.800	-4.4	-0.0014	0.00104	mg/L	-0.0014	0.00104	ppm	74.85%
V 292.402	238.3	0.0024	0.00033	mg/L	0.0024	0.00033	ppm	13.83%
Zn 213.856	243.5	0.0046	0.00007	mg/L	0.0046	0.00007	ppm	1.54%

Replicate Data

ID: 2866-6 F=1 Date: 04/28/03 12:49:01 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-355.7	64.8	0.0008	mg/L	0.0008	ppm
1	Al 308.215	723.0	280.4	0.0300	mg/L	0.0300	ppm
1	As 188.979	-13.0	-2.6	-0.0009	mg/L	-0.0009	ppm
1	Ba 233.527	2186.2	2619.1	0.0237	mg/L	0.0237	ppm
1	Be 313.107	-2190.0	110.7	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	825.8	858.1	10.43	mg/L	10.43	ppm
1	Cd 228.802	121.5	-4.4	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	74.3	2.8	0.0001	mg/L	0.0001	ppm
1	Cr 267.716	82.3	145.2	0.0032	mg/L	0.0032	ppm
1	Cu 324.754	1647.5	1099.0	0.0097	mg/L	0.0097	ppm
1	Fe 273.955	14617.8	14797.4	0.6945	mg/L	0.6945	ppm
1	K 766.491	59241.8	53154.5	1.101	mg/L	1.101	ppm
1	Mg 279.079	26266.5	27281.6	2.791	mg/L	2.791	ppm
1	Mn 257.610	4533.5	7916.7	0.0185	mg/L	0.0185	ppm
1	Mo 202.030	316.6	431.0	0.0314	mg/L	0.0314	ppm
1	Na 330.237	25855.0	24620.9	55.86	mg/L	55.86	ppm
1	Ni 231.604	2.8	55.9	0.0014	mg/L	0.0014	ppm
1	Pb 220.353	342.7	8.1	0.0006	mg/L	0.0006	ppm
1	Sb 206.833	32.5	1.7	0.0007	mg/L	0.0007	ppm
1	Se 196.026	20.4	16.0	0.0048	mg/L	0.0048	ppm
1	Tl 190.800	-40.5	-6.7	-0.0021	mg/L	-0.0021	ppm
1	V 292.402	99.3	-183.3	-0.0018	mg/L	-0.0018	ppm
1	Zn 213.856	1198.6	1242.4	0.0233	mg/L	0.0233	ppm
2	Ag 328.068	-317.3	103.2	0.0013	mg/L	0.0013	ppm
2	Al 308.215	677.1	234.5	0.0251	mg/L	0.0251	ppm
2	As 188.979	-12.2	-1.9	-0.0007	mg/L	-0.0007	ppm
2	Ba 233.527	2080.1	2512.9	0.0227	mg/L	0.0227	ppm
2	Be 313.107	-2265.7	35.0	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	807.4	839.7	10.20	mg/L	10.20	ppm
2	Cd 228.802	123.5	-2.4	-0.0001	mg/L	-0.0001	ppm
2	Co 228.616	67.6	-3.8	-0.0001	mg/L	-0.0001	ppm
2	Cr 267.716	79.0	141.9	0.0031	mg/L	0.0031	ppm
2	Cu 324.754	1471.8	923.3	0.0081	mg/L	0.0081	ppm
2	Fe 273.955	13849.7	14029.4	0.6584	mg/L	0.6584	ppm
2	K 766.491	59519.2	53431.9	1.106	mg/L	1.106	ppm

2 Mg 279.079	24595.2	25610.4	2.620	mg/L	2.620	ppm
2 Mn 257.610	4268.6	7651.8	0.0179	mg/L	0.0179	ppm
2 Mo 202.030	315.5	430.0	0.0313	mg/L	0.0313	ppm
2 Na 330.237	24453.9	23219.9	52.84	mg/L	52.84	ppm
2 Ni 231.604	14.5	67.5	0.0017	mg/L	0.0017	ppm
2 Pb 220.353	339.7	5.2	0.0004	mg/L	0.0004	ppm
2 Sb 206.833	46.3	15.6	0.0062	mg/L	0.0062	ppm
2 Se 196.026	8.8	4.3	0.0013	mg/L	0.0013	ppm
2 Tl 190.800	-37.5	-3.7	-0.0012	mg/L	-0.0012	ppm
2 V 292.402	201.0	-81.6	-0.0008	mg/L	-0.0008	ppm
2 Zn 213.856	1162.4	1206.1	0.0226	mg/L	0.0226	ppm
3 Ag 328.068	-413.8	6.7	0.0001	mg/L	0.0001	ppm
3 Al 308.215	614.2	171.7	0.0184	mg/L	0.0184	ppm
3 As 188.979	-23.8	-13.4	-0.0048	mg/L	-0.0048	ppm
3 Ba 233.527	2101.8	2534.7	0.0229	mg/L	0.0229	ppm
3 Be 313.107	-2465.2	-164.5	-0.0001	mg/L	-0.0001	ppm
3 Ca 227.547	813.0	845.3	10.27	mg/L	10.27	ppm
3 Cd 228.802	127.6	1.7	0.0000	mg/L	0.0000	ppm
3 Co 228.616	64.4	-7.1	-0.0002	mg/L	-0.0002	ppm
3 Cr 267.716	65.2	128.1	0.0028	mg/L	0.0028	ppm
3 Cu 324.754	1458.5	910.0	0.0080	mg/L	0.0080	ppm
3 Fe 273.955	14027.1	14206.8	0.6667	mg/L	0.6667	ppm
3 K 766.491	59989.8	53902.5	1.115	mg/L	1.115	ppm
3 Mg 279.079	25344.7	26359.9	2.697	mg/L	2.697	ppm
3 Mn 257.610	4216.1	7599.3	0.0177	mg/L	0.0177	ppm
3 Mo 202.030	299.9	414.3	0.0302	mg/L	0.0302	ppm
3 Na 330.237	25138.7	23904.7	54.32	mg/L	54.32	ppm
3 Ni 231.604	13.5	66.6	0.0017	mg/L	0.0017	ppm
3 Pb 220.353	337.1	2.5	0.0002	mg/L	0.0002	ppm
3 Sb 206.833	41.4	10.7	0.0043	mg/L	0.0043	ppm
3 Se 196.026	2.1	-2.4	-0.0007	mg/L	-0.0007	ppm
3 Tl 190.800	-35.4	-1.6	-0.0005	mg/L	-0.0005	ppm
3 V 292.402	181.6	-101.0	-0.0010	mg/L	-0.0010	ppm
3 Zn 213.856	1161.1	1204.8	0.0226	mg/L	0.0226	ppm

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

ID: 2866-6 F=1 Seq. No.: 30 Sample No.: 17 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:49:01 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	0.00064	mg/L	0.0008	0.00064	ppm	83.48%
Al 308.215	228.9	0.0245	0.00584	mg/L	0.0245	0.00584	ppm	23.86%
As 188.979	-6.0	-0.0022	0.00233	mg/L	-0.0022	0.00233	ppm	108.03%
Ba 233.527	2555.6	0.0231	0.00051	mg/L	0.0231	0.00051	ppm	2.19%
Be 313.107	-6.2	0.0000	0.00006	mg/L	0.0000	0.00006	ppm	>999.9%
Ca 227.547	847.7	10.30	0.114	mg/L	10.30	0.114	ppm	1.11%
Cd 228.802	-1.7	0.0000	0.00007	mg/L	0.0000	0.00007	ppm	181.40%
Co 228.616	-2.7	-0.0001	0.00014	mg/L	-0.0001	0.00014	ppm	185.09%
Cr 267.716	138.4	0.0030	0.00020	mg/L	0.0030	0.00020	ppm	6.54%
Cu 324.754	977.4	0.0086	0.00093	mg/L	0.0086	0.00093	ppm	10.79%
Fe 273.955	14344.5	0.6732	0.01888	mg/L	0.6732	0.01888	ppm	2.80%
K 766.491	53496.3	1.107	0.0073	mg/L	1.107	0.0073	ppm	0.66%
Mg 279.079	26417.3	2.703	0.0856	mg/L	2.703	0.0856	ppm	3.17%
Mn 257.610	7722.6	0.0180	0.00040	mg/L	0.0180	0.00040	ppm	2.20%
Mo 202.030	425.1	0.0309	0.00068	mg/L	0.0309	0.00068	ppm	2.19%
Na 330.237	23915.2	54.34	1.511	mg/L	54.34	1.511	ppm	2.78%
Ni 231.604	63.3	0.0016	0.00016	mg/L	0.0016	0.00016	ppm	10.22%
Pb 220.353	5.3	0.0004	0.00019	mg/L	0.0004	0.00019	ppm	53.15%
Sb 206.833	9.3	0.0037	0.00282	mg/L	0.0037	0.00282	ppm	75.51%
Se 196.026	6.0	0.0018	0.00282	mg/L	0.0018	0.00282	ppm	155.74%
Tl 190.800	-4.0	-0.0013	0.00081	mg/L	-0.0013	0.00081	ppm	64.16%
V 292.402	-122.0	-0.0012	0.00054	mg/L	-0.0012	0.00054	ppm	44.29%
Zn 213.856	1217.7	0.0228	0.00040	mg/L	0.0228	0.00040	ppm	1.75%

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

ID: 2866-7 F=1 Date: 04/28/03 12:52:29 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units

1	Ag 328.068	-280.4	140.1	0.0018	mg/L	0.0018 ppm
1	Al 308.215	702.4	259.9	0.0278	mg/L	0.0278 ppm
1	As 188.979	-7.8	2.6	0.0009	mg/L	0.0009 ppm
1	Ba 233.527	1565.5	1998.4	0.0181	mg/L	0.0181 ppm
1	Be 313.107	-2247.4	53.3	0.0000	mg/L	0.0000 ppm
1	Ca 227.547	361.0	393.4	4.779	mg/L	4.779 ppm
1	Cd 228.802	116.5	-9.4	-0.0002	mg/L	-0.0002 ppm
1	Co 228.616	100.1	28.6	0.0008	mg/L	0.0008 ppm
1	Cr 267.716	18.3	81.2	0.0018	mg/L	0.0018 ppm
1	Cu 324.754	4205.2	3656.7	0.0321	mg/L	0.0321 ppm
1	Fe 273.955	923.5	1103.2	0.0516	mg/L	0.0516 ppm
1	K 766.491	85005.4	78918.1	1.594	mg/L	1.594 ppm
1	Mg 279.079	9304.9	10320.0	1.056	mg/L	1.056 ppm
1	Mn 257.610	-2030.6	1352.6	0.0032	mg/L	0.0032 ppm
1	Mo 202.030	29.2	143.6	0.0105	mg/L	0.0105 ppm
1	Na 330.237	30809.7	29575.7	66.44	mg/L	66.44 ppm
1	Ni 231.604	-31.0	22.1	0.0005	mg/L	0.0005 ppm
1	Pb 220.353	309.6	-24.9	-0.0017	mg/L	-0.0017 ppm
1	Sb 206.833	42.9	12.1	0.0048	mg/L	0.0048 ppm
1	Se 196.026	14.1	9.6	0.0029	mg/L	0.0029 ppm
1	Tl 190.800	-45.7	-11.9	-0.0037	mg/L	-0.0037 ppm
1	V 292.402	498.8	216.3	0.0021	mg/L	0.0021 ppm
1	Zn 213.856	2031.4	2075.1	0.0389	mg/L	0.0389 ppm
2	Ag 328.068	-304.2	116.3	0.0015	mg/L	0.0015 ppm
2	Al 308.215	651.4	208.8	0.0223	mg/L	0.0223 ppm
2	As 188.979	-12.2	-1.9	-0.0007	mg/L	-0.0007 ppm
2	Ba 233.527	1517.9	1950.7	0.0176	mg/L	0.0176 ppm
2	Be 313.107	-2425.5	-124.8	-0.0001	mg/L	-0.0001 ppm
2	Ca 227.547	372.3	404.6	4.916	mg/L	4.916 ppm
2	Cd 228.802	135.4	9.5	0.0002	mg/L	0.0002 ppm
2	Co 228.616	56.6	-14.9	-0.0004	mg/L	-0.0004 ppm
2	Cr 267.716	19.7	82.7	0.0018	mg/L	0.0018 ppm
2	Cu 324.754	3952.8	3404.3	0.0299	mg/L	0.0299 ppm
2	Fe 273.955	902.8	1082.5	0.0507	mg/L	0.0507 ppm
2	K 766.491	83312.5	77225.2	1.562	mg/L	1.562 ppm
2	Mg 279.079	8939.4	9954.5	1.019	mg/L	1.019 ppm
2	Mn 257.610	-2034.1	1349.1	0.0032	mg/L	0.0032 ppm
2	Mo 202.030	25.3	139.7	0.0102	mg/L	0.0102 ppm
2	Na 330.237	29890.6	28656.5	64.49	mg/L	64.49 ppm
2	Ni 231.604	-5.5	47.6	0.0012	mg/L	0.0012 ppm
2	Pb 220.353	350.4	15.8	0.0011	mg/L	0.0011 ppm
2	Sb 206.833	33.9	3.2	0.0013	mg/L	0.0013 ppm
2	Se 196.026	1.1	-3.4	-0.0010	mg/L	-0.0010 ppm
2	Tl 190.800	-43.8	-10.0	-0.0031	mg/L	-0.0031 ppm
2	V 292.402	337.2	54.7	0.0005	mg/L	0.0005 ppm
2	Zn 213.856	2053.5	2097.2	0.0393	mg/L	0.0393 ppm
3	Ag 328.068	-486.3	-65.8	-0.0009	mg/L	-0.0009 ppm
3	Al 308.215	810.7	368.2	0.0394	mg/L	0.0394 ppm
3	As 188.979	-11.2	-0.9	-0.0003	mg/L	-0.0003 ppm
3	Ba 233.527	1494.7	1927.6	0.0174	mg/L	0.0174 ppm
3	Be 313.107	-2284.0	16.7	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	364.3	396.6	4.819	mg/L	4.819 ppm
3	Cd 228.802	138.8	12.9	0.0003	mg/L	0.0003 ppm
3	Co 228.616	72.9	1.4	0.0000	mg/L	0.0000 ppm
3	Cr 267.716	46.2	109.1	0.0024	mg/L	0.0024 ppm
3	Cu 324.754	3978.6	3430.1	0.0302	mg/L	0.0302 ppm
3	Fe 273.955	879.4	1059.1	0.0496	mg/L	0.0496 ppm
3	K 766.491	83780.5	77693.2	1.571	mg/L	1.571 ppm
3	Mg 279.079	8613.0	9628.1	0.9851	mg/L	0.9851 ppm
3	Mn 257.610	-2073.7	1309.5	0.0031	mg/L	0.0031 ppm
3	Mo 202.030	23.3	137.7	0.0100	mg/L	0.0100 ppm
3	Na 330.237	28893.3	27659.3	62.37	mg/L	62.37 ppm
3	Ni 231.604	-31.2	21.9	0.0005	mg/L	0.0005 ppm
3	Pb 220.353	356.2	21.6	0.0015	mg/L	0.0015 ppm
3	Sb 206.833	34.8	4.1	0.0016	mg/L	0.0016 ppm
3	Se 196.026	4.0	-0.4	-0.0001	mg/L	-0.0001 ppm
3	Tl 190.800	-44.5	-10.7	-0.0034	mg/L	-0.0034 ppm
3	V 292.402	318.3	35.7	0.0004	mg/L	0.0004 ppm
3	Zn 213.856	1986.5	2030.2	0.0381	mg/L	0.0381 ppm

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

ID: 2866-7 F=1 Seq. No.: 31 Sample No.: 18 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 12:52:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	63.5	0.0008	0.00147	mg/L	0.0008	0.00147	ppm	177.34%
Al 308.215	278.9	0.0298	0.00870	mg/L	0.0298	0.00870	ppm	29.17%
As 188.979	-0.1	0.0000	0.00084	mg/L	0.0000	0.00084	ppm	>999.9%
Ba 233.527	1958.9	0.0177	0.00033	mg/L	0.0177	0.00033	ppm	1.84%
Be 313.107	-18.3	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	514.83%
Ca 227.547	398.2	4.838	0.0704	mg/L	4.838	0.0704	ppm	1.46%
Cd 228.802	4.3	0.0001	0.00029	mg/L	0.0001	0.00029	ppm	279.01%
Co 228.616	5.0	0.0001	0.00060	mg/L	0.0001	0.00060	ppm	435.53%
Cr 267.716	91.0	0.0020	0.00034	mg/L	0.0020	0.00034	ppm	17.25%
Cu 324.754	3497.0	0.0307	0.00122	mg/L	0.0307	0.00122	ppm	3.97%
Fe 273.955	1081.6	0.0506	0.00104	mg/L	0.0506	0.00104	ppm	2.05%
K 766.491	77945.5	1.575	0.0167	mg/L	1.575	0.0167	ppm	1.06%
Mg 279.079	9967.5	1.020	0.0354	mg/L	1.020	0.0354	ppm	3.47%
Mn 257.610	1337.1	0.0031	0.00006	mg/L	0.0031	0.00006	ppm	1.79%
Mo 202.030	140.3	0.0102	0.00022	mg/L	0.0102	0.00022	ppm	2.16%
Na 330.237	28630.5	64.43	2.037	mg/L	64.43	2.037	ppm	3.16%
Ni 231.604	30.5	0.0008	0.00037	mg/L	0.0008	0.00037	ppm	48.37%
Pb 220.353	4.2	0.0003	0.00176	mg/L	0.0003	0.00176	ppm	606.59%
Sb 206.833	6.5	0.0026	0.00197	mg/L	0.0026	0.00197	ppm	76.21%
Se 196.026	1.9	0.0006	0.00207	mg/L	0.0006	0.00207	ppm	353.93%
Tl 190.800	-10.9	-0.0034	0.00030	mg/L	-0.0034	0.00030	ppm	8.84%
V 292.402	102.2	0.0010	0.00098	mg/L	0.0010	0.00098	ppm	97.09%
Zn 213.856	2067.5	0.0388	0.00064	mg/L	0.0388	0.00064	ppm	1.65%

Replicate Data
ID: CCV 1447B Date: 04/28/03 12:55:42 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	71184.1	71604.6	0.9365	mg/L		
1	Al 308.215	45094.2	44651.6	4.776	mg/L		
1	As 188.979	1370.3	1380.6	0.4986	mg/L		
1	Ba 233.527	516070.6	516503.5	4.671	mg/L		
1	Be 313.107	1176003.4	1178304.2	0.4758	mg/L		
1	Ca 227.547	3961.4	3993.7	48.52	mg/L		
1	Cd 228.802	39862.9	39737.0	0.9585	mg/L		
1	Co 228.616	69575.2	69503.7	1.911	mg/L		
1	Cr 267.716	21504.1	21567.0	0.4700	mg/L		
1	Cu 324.754	215701.5	215153.0	1.891	mg/L		
1	Fe 273.955	100429.8	100609.4	4.714	mg/L		
1	K 766.491	854617.5	848530.2	14.84	mg/L		
1	Mg 279.079	229785.3	230800.4	23.61	mg/L		
1	Mn 257.610	806185.5	809568.7	1.890	mg/L		
1	Mo 202.030	25677.9	25792.3	1.877	mg/L		
1	Na 330.237	46161.6	44927.6	98.24	mg/L		
1	Ni 231.604	77439.5	77492.6	1.927	mg/L		
1	Pb 220.353	7494.5	7159.9	0.4961	mg/L		
1	Sb 206.833	4946.2	4915.4	1.969	mg/L		
1	Se 196.026	1562.8	1558.3	0.4731	mg/L		
1	Tl 190.800	1489.6	1523.4	0.4818	mg/L		
1	V 292.402	191566.2	191283.7	1.895	mg/L		
1	Zn 213.856	104479.0	104522.7	1.960	mg/L		
2	Ag 328.068	71792.3	72212.8	0.9444	mg/L		
2	Al 308.215	45880.8	45438.2	4.860	mg/L		
2	As 188.979	1317.4	1327.8	0.4795	mg/L		
2	Ba 233.527	521500.6	521933.4	4.720	mg/L		
2	Be 313.107	1188912.4	1191213.1	0.4810	mg/L		
2	Ca 227.547	3857.9	3890.2	47.26	mg/L		
2	Cd 228.802	39262.3	39136.4	0.9440	mg/L		
2	Co 228.616	70485.6	70414.2	1.936	mg/L		
2	Cr 267.716	21208.1	21271.0	0.4636	mg/L		
2	Cu 324.754	217332.9	216784.4	1.906	mg/L		
2	Fe 273.955	101775.7	101955.3	4.777	mg/L		
2	K 766.491	847499.1	841411.8	14.72	mg/L		
2	Mg 279.079	232345.8	233360.9	23.88	mg/L		

2 Mn 257.610	814053.2	817436.4	1.909	mg/L
2 Mo 202.030	25259.4	25373.8	1.847	mg/L
2 Na 330.237	46656.3	45422.3	99.25	mg/L
2 Ni 231.604	78136.9	78190.0	1.944	mg/L
2 Pb 220.353	7420.6	7086.0	0.4910	mg/L
2 Sb 206.833	4862.8	4832.1	1.936	mg/L
2 Se 196.026	1613.3	1608.8	0.4884	mg/L
2 Tl 190.800	1475.8	1509.6	0.4775	mg/L
2 V 292.402	194013.6	193731.0	1.919	mg/L
2 Zn 213.856	105734.5	105778.2	1.984	mg/L
3 Ag 328.068	69982.9	70403.4	0.9208	mg/L
3 Al 308.215	44534.9	44092.4	4.717	mg/L
3 As 188.979	1328.3	1338.7	0.4835	mg/L
3 Ba 233.527	507861.7	508294.6	4.597	mg/L
3 Be 313.107	1157487.1	1159787.8	0.4683	mg/L
3 Ca 227.547	3883.6	3915.9	47.58	mg/L
3 Cd 228.802	39728.4	39602.5	0.9553	mg/L
3 Co 228.616	68716.2	68644.7	1.887	mg/L
3 Cr 267.716	21456.8	21519.7	0.4690	mg/L
3 Cu 324.754	212347.9	211799.4	1.862	mg/L
3 Fe 273.955	99226.3	99406.0	4.658	mg/L
3 K 766.491	840057.9	833970.7	14.61	mg/L
3 Mg 279.079	225931.9	226947.0	23.22	mg/L
3 Mn 257.610	793762.5	797145.7	1.861	mg/L
3 Mo 202.030	25666.5	25780.9	1.876	mg/L
3 Na 330.237	45424.4	44190.3	96.75	mg/L
3 Ni 231.604	76335.1	76388.2	1.899	mg/L
3 Pb 220.353	7607.5	7272.9	0.5039	mg/L
3 Sb 206.833	4874.4	4843.6	1.940	mg/L
3 Se 196.026	1658.9	1654.4	0.5023	mg/L
3 Tl 190.800	1469.7	1503.5	0.4755	mg/L
3 V 292.402	188439.9	188157.3	1.864	mg/L
3 Zn 213.856	103383.7	103427.4	1.940	mg/L

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

ID: CCV 1447B Seq. No.: 32 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 12:55:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	71406.9	0.9339	0.01204	mg/L				1.29%
Al 308.215	44727.4	4.784	0.0723	mg/L				1.51%
As 188.979	1349.0	0.4872	0.01005	mg/L				2.06%
Ba 233.527	515577.2	4.663	0.0621	mg/L				1.33%
Be 313.107	1176435.0	0.4750	0.00638	mg/L				1.34%
Ca 227.547	3933.3	47.79	0.655	mg/L				1.37%
Cd 228.802	39492.0	0.9526	0.00760	mg/L				0.80%
Co 228.616	69520.9	1.911	0.0243	mg/L				1.27%
Cr 267.716	21452.6	0.4675	0.00347	mg/L				0.74%
Cu 324.754	214578.9	1.886	0.0223	mg/L				1.18%
Fe 273.955	100656.9	4.716	0.0598	mg/L				1.27%
K 766.491	841304.2	14.72	0.114	mg/L				0.78%
Mg 279.079	230369.4	23.57	0.330	mg/L				1.40%
Mn 257.610	808050.3	1.887	0.0239	mg/L				1.27%
Mo 202.030	25649.0	1.867	0.0174	mg/L				0.93%
Na 330.237	44846.8	98.08	1.256	mg/L				1.28%
Ni 231.604	77356.9	1.923	0.0226	mg/L				1.17%
Pb 220.353	7173.0	0.4970	0.00652	mg/L				1.31%
Sb 206.833	4863.7	1.948	0.0181	mg/L				0.93%
Se 196.026	1607.2	0.4879	0.01459	mg/L				2.99%
Tl 190.800	1512.2	0.4783	0.00322	mg/L				0.67%
V 292.402	191057.3	1.893	0.0277	mg/L				1.46%
Zn 213.856	104576.1	1.961	0.0221	mg/L				1.12%

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

ID: CCB Date: 04/28/03 12:58:32 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-451.8	-31.3	-0.0004	mg/L		

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