Method: 23ME IEC: 03miecl.iec MSF:
Results: 03M1374L Spectra Stored: Yes Method Stored: Yes
Sample Info: 03ml3741 User: L9708A Date: 04/25/03 11:09:30 AM
Method Description: 6010B/200.7 23ME ICP-L 4/16/03

Replicate Data
ID: Calib Blank Date: 04/25/03 11:12:34 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Ag 328.068	-616.9	-616.9	0	mg/L
1	Al 308.215	308.6	308.6	0	mg/L
1	As 188.979	-8.3	-8.3	0	mg/L
1	Ba 233.527	-427.6	-427.6	0	mg/L
1	Be 313.107	-2242.3	-2242.3	0	mg/L
1	Ca 227.547	-38.4	-38.4	0	mg/L
1	Cd 228.802	123.6	123.6	0	mg/L
1	Co 228.616	68.6	68.6	0	mg/L
1	Cr 267.716	-89.4	-89.4	0	mg/L
1	Cu 324.754	598.3	598.3	0	mg/L
1	Fe 273.955	-180.3	-180.3	0	mg/L
1	K 766.491	7754.7	7754.7	0	mg/L
1	Mg 279.079	-1062.4	-1062.4	0	mg/L
1	Mn 257.610	-3475.1	-3475.1	0	mg/L
1	Mo 202.030	-116.7	-116.7	0	mg/L
1	Na 330.237	1379.7	1379.7	0	mg/L
1	Ni 231.604	-77.9	-77.9	0	mg/L
1	Pb 220.353	364.4	364.4	0	mg/L
1	Sb 206.833	46.5	46.5	0	mg/L
1	Se 196.026	-10.3	-10.3	0	mg/L
1	Tl 190.800	-46.8	-46.8	0	mg/L
1	V 292.402	307.3	307.3	0	mg/L
1	Zn 213.856	-56.6	-56.6	0	mg/L
2	Ag 328.068	-243.8	-243.8	0	mg/L
2	Al 308.215	408.2	408.2	0	mg/L
2	As 188.979	-7.0	-7.0	0	mg/L
2	Ba 233.527	-430.5	-430.5	0	mg/L
2	Be 313.107	-2409.7	-2409.7	0	mg/L
2	Ca 227.547	-40.3	-40.3	0	mg/L
2	Cd 228.802	131.3	131.3	0	mg/L
2	Co 228.616	70.0	70.0	0	mg/L
2	Cr 267.716	-87.1	-87.1	0	mg/L
2	Cu 324.754	456.9	456.9	0	mg/L
2	Fe 273.955	-213.1	-213.1	0	mg/L
2	K 766.491	7721.4	7721.4	0	mg/L
2	Mg 279.079	-1092.1	-1092.1	0	mg/L
2	Mn 257.610	-3486.7	-3486.7	0	mg/L
2	Mo 202.030	-134.3	-134.3	0	mg/L
2	Na 330.237	1134.8	1134.8	0	mg/L
2	Ni 231.604	-68.8	-68.8	0	mg/L
2	Pb 220.353	348.4	348.4	0	mg/L
2	Sb 206.833	42.3	42.3	0	mg/L
2	Se 196.026	-5.6	-5.6	0	mg/L
2	Tl 190.800	-45.4	-45.4	0	mg/L
2	V 292.402	285.9	285.9	0	mg/L
2	Zn 213.856	-46.2	-46.2	0	mg/L
3	Ag 328.068	-401.3	-401.3	0	mg/L
3	Al 308.215	477.8	477.8	0	mg/L
3	As 188.979	-1.3	-1.3	0	mg/L
3	Ba 233.527	-446.2	-446.2	0	mg/L
3	Be 313.107	-2506.3	-2506.3	0	mg/L
3	Ca 227.547	-43.2	-43.2	0	mg/L
3	Cd 228.802	136.3	136.3	0	mg/L
3	Co 228.616	83.0	83.0	0	mg/L
3	Cr 267.716	-65.8	-65.8	0	mg/L
3	Cu 324.754	514.9	514.9	0	mg/L
3	Fe 273.955	-191.9	-191.9	0	mg/L
3	K 766.491	7819.5	7819.5	0	mg/L

3	Mg 279.079	-1082.1	-1082.1	0 mg/L
3	Mn 257.610	-3483.9	-3483.9	0 mg/L
3	Mo 202.030	-114.1	-114.1	0 mg/L
3	Na 330.237	1449.4	1449.4	0 mg/L
3	Ni 231.604	-68.9	-68.9	0 mg/L
3	Pb 220.353	338.7	338.7	0 mg/L
3	Sb 206.833	50.9	50.9	0 mg/L
3	Se 196.026	-7.5	-7.5	0 mg/L
3	Tl 190.800	-41.5	-41.5	0 mg/L
3	V 292.402	381.4	381.4	0 mg/L
3	Zn 213.856	-47.1	-47.1	0 mg/L

Mean Data

ID: Calib Blank Seq. No.: 1 A/S Pos: 1
Data: Original Date: 04/25/03 11:12:34 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-420.7	187.27	44.52%	0	mg/L
Al 308.215	398.2	85.07	21.36%	0	mg/L
As 188.979	-5.5	3.70	66.96%	0	mg/L
Ba 233.527	-434.8	9.98	2.30%	0	mg/L
Be 313.107	-2386.1	133.58	5.60%	0	mg/L
Ca 227.547	-40.7	2.42	5.95%	0	mg/L
Cd 228.802	130.4	6.41	4.92%	0	mg/L
Co 228.616	73.9	7.94	10.75%	0	mg/L
Cr 267.716	-80.8	13.02	16.12%	0	mg/L
Cu 324.754	523.4	71.06	13.58%	0	mg/L
Fe 273.955	-195.1	16.63	8.52%	0	mg/L
K 766.491	7765.2	49.90	0.64%	0	mg/L
Mg 279.079	-1078.8	15.13	1.40%	0	mg/L
Mn 257.610	-3481.9	6.08	0.17%	0	mg/L
Mo 202.030	-121.7	10.97	9.02%	0	mg/L
Na 330.237	1321.3	165.26	12.51%	0	mg/L
Ni 231.604	-71.8	5.21	7.25%	0	mg/L
Pb 220.353	350.5	12.95	3.69%	0	mg/L
Sb 206.833	46.6	4.27	9.18%	0	mg/L
Se 196.026	-7.8	2.36	30.30%	0	mg/L
Tl 190.800	-44.6	2.73	6.13%	0	mg/L
V 292.402	324.8	50.10	15.42%	0	mg/L
Zn 213.856	-50.0	5.77	11.55%	0	mg/L

Replicate Data

ID: STD1 1423A Date: 04/25/03 11:15:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	151184.7	151605.4	2.0000	mg/L
1	Al 308.215	92473.5	92075.3	10.00	mg/L
1	As 188.979	2696.6	2702.2	1.000	mg/L
1	Ba 233.527	1097756.5	1098191.3	10.0000	mg/L
1	Be 313.107	2569869.0	2572255.1	1.00000	mg/L
1	Ca 227.547	8175.6	8216.2	100.0	mg/L
1	Cd 228.802	83608.3	83477.9	2.000	mg/L
1	Co 228.616	145898.7	145824.9	4.0000	mg/L
1	Cr 267.716	45417.6	45498.4	1.0000	mg/L
1	Cu 324.754	454080.0	453556.6	4.0000	mg/L
1	Fe 273.955	209825.9	210021.0	10.00	mg/L
1	K 766.491	1992213.0	1984447.8	30.00	mg/L
1	Mg 279.079	478955.3	480034.2	50.00	mg/L
1	Mn 257.610	1695477.7	1698959.6	4.0000	mg/L
1	Mo 202.030	54146.9	54268.5	4.000	mg/L
1	Na 330.237	99654.5	98333.2	200.0	mg/L
1	Ni 231.604	159419.6	159491.4	4.0000	mg/L
1	Pb 220.353	14680.8	14330.3	1.000	mg/L
1	Sb 206.833	10010.0	9963.4	4.000	mg/L
1	Se 196.026	3199.1	3206.9	1.000	mg/L
1	Tl 190.800	2938.8	2983.4	1.000	mg/L
1	V 292.402	396831.2	396506.4	4.0000	mg/L
1	Zn 213.856	212481.5	212531.5	4.000	mg/L
2	Ag 328.068	153034.4	153455.1	2.0000	mg/L

2	Al 308.215	93690.8	93292.6	10.00 mg/L
2	As 188.979	2701.6	2707.1	1.000 mg/L
2	Ba 233.527	1107387.8	1107822.6	10.0000 mg/L
2	Be 313.107	2412778.7	2415164.8	1.00000 mg/L
2	Ca 227.547	8206.7	8247.4	100.0 mg/L
2	Cd 228.802	84382.4	84252.0	2.000 mg/L
2	Co 228.616	147297.7	147223.9	4.0000 mg/L
2	Cr 267.716	45774.0	45854.8	1.0000 mg/L
2	Cu 324.754	459300.8	458777.4	4.0000 mg/L
2	Fe 273.955	211990.9	212186.0	10.00 mg/L
2	K 766.491	1886703.7	1878938.5	30.00 mg/L
2	Mg 279.079	485407.1	486486.0	50.00 mg/L
2	Mn 257.610	1710183.6	1713665.4	4.0000 mg/L
2	Mo 202.030	54896.7	55018.4	4.000 mg/L
2	Na 330.237	101202.4	99881.1	200.0 mg/L
2	Ni 231.604	161646.4	161718.2	4.0000 mg/L
2	Pb 220.353	14868.1	14517.6	1.000 mg/L
2	Sb 206.833	10193.6	10147.1	4.000 mg/L
2	Se 196.026	3323.5	3331.3	1.000 mg/L
2	Tl 190.800	3093.0	3137.6	1.000 mg/L
2	V 292.402	401313.5	400988.7	4.0000 mg/L
2	Zn 213.856	215417.7	215467.6	4.000 mg/L
3	Ag 328.068	146477.8	146898.5	2.0000 mg/L
3	Al 308.215	90080.8	89682.6	10.00 mg/L
3	As 188.979	2653.4	2658.9	1.000 mg/L
3	Ba 233.527	1063295.0	1063729.8	10.0000 mg/L
3	Be 313.107	2412282.3	2414668.4	1.00000 mg/L
3	Ca 227.547	8123.6	8164.3	100.0 mg/L
3	Cd 228.802	81432.9	81302.5	2.000 mg/L
3	Co 228.616	141801.9	141728.1	4.0000 mg/L
3	Cr 267.716	43879.1	43959.9	1.0000 mg/L
3	Cu 324.754	440743.7	440220.4	4.0000 mg/L
3	Fe 273.955	203811.1	204006.2	10.00 mg/L
3	K 766.491	1859531.8	1851766.6	30.00 mg/L
3	Mg 279.079	466369.9	467448.8	50.00 mg/L
3	Mn 257.610	1644690.9	1648172.8	4.0000 mg/L
3	Mo 202.030	52564.4	52686.1	4.000 mg/L
3	Na 330.237	97185.0	95863.7	200.0 mg/L
3	Ni 231.604	155396.3	155468.2	4.0000 mg/L
3	Pb 220.353	14729.6	14379.1	1.000 mg/L
3	Sb 206.833	10066.5	10020.0	4.000 mg/L
3	Se 196.026	3180.0	3187.8	1.000 mg/L
3	Tl 190.800	2998.2	3042.8	1.000 mg/L
3	V 292.402	384121.4	383796.6	4.0000 mg/L
3	Zn 213.856	207530.6	207580.6	4.000 mg/L

Mean Data

ID: STD1 1423A Seq. No.: 2 A/S Pos: 2
Data: Original Date: 04/25/03 11:15:48 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	150653.0	3380.46	2.24%	2.0000	mg/L
Al 308.215	91683.5	1836.61	2.00%	10.00	mg/L
As 188.979	2689.4	26.49	0.99%	1.000	mg/L
Ba 233.527	1089914.6	23182.36	2.13%	10.0000	mg/L
Be 313.107	2467362.8	90839.76	3.68%	1.00000	mg/L
Ca 227.547	8209.3	41.98	0.51%	100.0	mg/L
Cd 228.802	83010.8	1529.23	1.84%	2.000	mg/L
Co 228.616	144925.6	2856.11	1.97%	4.0000	mg/L
Cr 267.716	45104.4	1007.01	2.23%	1.0000	mg/L
Cu 324.754	450851.5	9569.73	2.12%	4.0000	mg/L
Fe 273.955	208737.7	4238.20	2.03%	10.00	mg/L
K 766.491	1905051.0	70088.99	3.68%	30.00	mg/L
Mg 279.079	477989.6	9681.87	2.03%	50.00	mg/L
Mn 257.610	1686932.6	34362.90	2.04%	4.0000	mg/L
Mo 202.030	53991.0	1190.67	2.21%	4.000	mg/L
Na 330.237	98026.0	2026.23	2.07%	200.0	mg/L
Ni 231.604	158892.6	3167.75	1.99%	4.0000	mg/L
Pb 220.353	14409.0	97.18	0.67%	1.000	mg/L
Sb 206.833	10043.5	94.04	0.94%	4.000	mg/L
Se 196.026	3242.0	77.94	2.40%	1.000	mg/L

Tl 190.800	3054.6	77.77	2.55%	1.000 mg/L
V 292.402	393763.9	8918.12	2.26%	4.0000 mg/L
Zn 213.856	211859.9	3986.19	1.88%	4.000 mg/L

Replicate Data

ID: STD2 1423B Date: 04/25/03 11:18:26 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Ag 328.068	72682.2	73102.8	1.0000	mg/L
1	Al 308.215	46321.2	45923.0	5.000	mg/L
1	As 188.979	1384.2	1389.8	0.500	mg/L
1	Ba 233.527	539102.6	539537.4	5.0000	mg/L
1	Be 313.107	1197316.6	1199702.7	0.50000	mg/L
1	Ca 227.547	4275.9	4316.6	50.00	mg/L
1	Cd 228.802	42353.0	42222.5	1.000	mg/L
1	Co 228.616	72189.0	72115.1	2.0000	mg/L
1	Cr 267.716	22842.1	22922.9	0.5000	mg/L
1	Cu 324.754	218926.0	218402.6	2.0000	mg/L
1	Fe 273.955	103660.2	103855.3	5.000	mg/L
1	K 766.491	855247.1	847481.9	15.00	mg/L
1	Mg 279.079	236248.4	237327.3	25.000	mg/L
1	Mn 257.610	831817.4	835299.3	2.0000	mg/L
1	Mo 202.030	27235.5	27357.2	2.000	mg/L
1	Na 330.237	47765.4	46444.1	100.0	mg/L
1	Ni 231.604	79412.4	79484.2	2.0000	mg/L
1	Pb 220.353	7828.2	7477.7	0.500	mg/L
1	Sb 206.833	5222.4	5175.8	2.000	mg/L
1	Se 196.026	1734.4	1742.2	0.5000	mg/L
1	Tl 190.800	1542.4	1587.0	0.500	mg/L
1	V 292.402	196204.3	195879.5	2.0000	mg/L
1	Zn 213.856	105514.8	105564.8	2.000	mg/L
2	Ag 328.068	71926.2	72346.8	1.0000	mg/L
2	Al 308.215	45437.9	45039.7	5.000	mg/L
2	As 188.979	1317.3	1322.8	0.500	mg/L
2	Ba 233.527	525184.8	525619.6	5.0000	mg/L
2	Be 313.107	1179339.0	1181725.1	0.50000	mg/L
2	Ca 227.547	4036.4	4077.1	50.00	mg/L
2	Cd 228.802	40474.1	40343.7	1.000	mg/L
2	Co 228.616	71035.2	70961.4	2.0000	mg/L
2	Cr 267.716	21785.9	21866.7	0.5000	mg/L
2	Cu 324.754	216429.3	215906.0	2.0000	mg/L
2	Fe 273.955	101754.6	101949.7	5.000	mg/L
2	K 766.491	880702.0	872936.8	15.00	mg/L
2	Mg 279.079	231893.5	232972.3	25.000	mg/L
2	Mn 257.610	816370.1	819852.0	2.0000	mg/L
2	Mo 202.030	26243.8	26365.5	2.000	mg/L
2	Na 330.237	46927.8	45606.5	100.0	mg/L
2	Ni 231.604	78407.9	78479.8	2.0000	mg/L
2	Pb 220.353	7525.6	7175.1	0.500	mg/L
2	Sb 206.833	4952.6	4906.0	2.000	mg/L
2	Se 196.026	1610.8	1618.6	0.5000	mg/L
2	Tl 190.800	1455.1	1499.6	0.500	mg/L
2	V 292.402	193564.8	193239.9	2.0000	mg/L
2	Zn 213.856	105272.3	105322.3	2.000	mg/L
3	Ag 328.068	71583.0	72003.7	1.0000	mg/L
3	Al 308.215	45418.4	45020.2	5.000	mg/L
3	As 188.979	1346.4	1351.9	0.500	mg/L
3	Ba 233.527	523637.9	524072.7	5.0000	mg/L
3	Be 313.107	1171557.7	1173943.8	0.50000	mg/L
3	Ca 227.547	3991.7	4032.4	50.00	mg/L
3	Cd 228.802	40329.5	40199.1	1.000	mg/L
3	Co 228.616	70490.6	70416.7	2.0000	mg/L
3	Cr 267.716	21613.9	21694.7	0.5000	mg/L
3	Cu 324.754	214677.4	214154.1	2.0000	mg/L
3	Fe 273.955	101411.2	101606.3	5.000	mg/L
3	K 766.491	843941.8	836176.6	15.00	mg/L
3	Mg 279.079	231647.3	232726.1	25.000	mg/L
3	Mn 257.610	810854.8	814336.7	2.0000	mg/L
3	Mo 202.030	25979.9	26101.6	2.000	mg/L

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
3	Na 330.237	46497.8	45176.5	100.0	mg/L
3	Ni 231.604	77750.2	77822.0	2.0000	mg/L
3	Pb 220.353	7548.0	7197.5	0.500	mg/L
3	Sb 206.833	5020.9	4974.4	2.000	mg/L
3	Se 196.026	1591.8	1599.6	0.5000	mg/L
3	Tl 190.800	1461.5	1506.1	0.500	mg/L
3	V 292.402	192456.8	192131.9	2.0000	mg/L
3	Zn 213.856	104169.3	104219.2	2.000	mg/L

Mean Data

ID: STD2 1423B Seq. No.: 3 A/S Pos: 3
Data: Original Date: 04/25/03 11:18:26 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	72484.4	562.34	0.78%	1.0000	mg/L
Al 308.215	45327.7	515.66	1.14%	5.000	mg/L
As 188.979	1354.8	33.58	2.48%	0.500	mg/L
Ba 233.527	529743.3	8517.19	1.61%	5.0000	mg/L
Be 313.107	1185123.9	13211.52	1.11%	0.50000	mg/L
Ca 227.547	4142.0	152.82	3.69%	50.00	mg/L
Cd 228.802	40921.8	1128.81	2.76%	1.000	mg/L
Co 228.616	71164.4	867.21	1.22%	2.0000	mg/L
Cr 267.716	22161.4	665.03	3.00%	0.5000	mg/L
Cu 324.754	216154.2	2135.13	0.99%	2.0000	mg/L
Fe 273.955	102470.4	1211.60	1.18%	5.000	mg/L
K 766.491	852198.4	18828.51	2.21%	15.00	mg/L
Mg 279.079	234341.9	2588.33	1.10%	25.000	mg/L
Mn 257.610	823162.7	10866.36	1.32%	2.0000	mg/L
Mo 202.030	26608.1	662.00	2.49%	2.000	mg/L
Na 330.237	45742.4	644.62	1.41%	100.0	mg/L
Ni 231.604	78595.3	837.12	1.07%	2.0000	mg/L
Pb 220.353	7283.4	168.64	2.32%	0.500	mg/L
Sb 206.833	5018.7	140.26	2.79%	2.000	mg/L
Se 196.026	1653.5	77.41	4.68%	0.5000	mg/L
Tl 190.800	1530.9	48.67	3.18%	0.500	mg/L
V 292.402	193750.5	1925.24	0.99%	2.0000	mg/L
Zn 213.856	105035.5	717.18	0.68%	2.000	mg/L

Replicate Data

ID: STD3 1423C Date: 04/25/03 11:21:17 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	36269.7	36690.4	0.5000	mg/L
1	Al 308.215	23901.9	23503.7	2.500	mg/L
1	As 188.979	672.5	678.1	0.250	mg/L
1	Ba 233.527	273737.2	274172.0	2.5000	mg/L
1	Be 313.107	607466.6	609852.7	0.25000	mg/L
1	Ca 227.547	1988.8	2029.4	25.00	mg/L
1	Cd 228.802	20828.0	20697.6	0.500	mg/L
1	Co 228.616	36754.0	36680.1	1.0000	mg/L
1	Cr 267.716	10891.8	10972.6	0.2500	mg/L
1	Cu 324.754	110203.1	109679.7	1.0000	mg/L
1	Fe 273.955	53033.0	53228.1	2.500	mg/L
1	K 766.491	406110.9	398345.7	7.500	mg/L
1	Mg 279.079	118800.4	119879.3	12.500	mg/L
1	Mn 257.610	419830.9	423312.8	1.0000	mg/L
1	Mo 202.030	12931.3	13053.0	1.000	mg/L
1	Na 330.237	23733.2	22411.9	50.00	mg/L
1	Ni 231.604	40251.0	40322.8	1.0000	mg/L
1	Pb 220.353	3926.2	3575.7	0.250	mg/L
1	Sb 206.833	2495.1	2448.5	1.000	mg/L
1	Se 196.026	812.1	819.9	0.250	mg/L
1	Tl 190.800	703.3	747.8	0.250	mg/L
1	V 292.402	100637.8	100312.9	1.0000	mg/L
1	Zn 213.856	54466.6	54516.6	1.000	mg/L
2	Ag 328.068	35185.9	35606.5	0.5000	mg/L
2	Al 308.215	23649.1	23250.9	2.500	mg/L
2	As 188.979	665.0	670.5	0.250	mg/L
2	Ba 233.527	261441.9	261876.7	2.5000	mg/L

2	Be 313.107	585444.9	587831.1	0.25000 mg/L
2	Ca 227.547	1999.0	2039.6	25.00 mg/L
2	Cd 228.802	20495.9	20365.5	0.500 mg/L
2	Co 228.616	35402.1	35328.3	1.0000 mg/L
2	Cr 267.716	10645.3	10726.1	0.2500 mg/L
2	Cu 324.754	106682.9	106159.5	1.0000 mg/L
2	Fe 273.955	51126.7	51321.8	2.500 mg/L
2	K 766.491	411446.6	403681.4	7.500 mg/L
2	Mg 279.079	114274.1	115353.0	12.500 mg/L
2	Mn 257.610	402876.6	406358.5	1.0000 mg/L
2	Mo 202.030	12698.8	12820.5	1.000 mg/L
2	Na 330.237	22830.1	21508.8	50.00 mg/L
2	Ni 231.604	39178.6	39250.5	1.0000 mg/L
2	Pb 220.353	3902.9	3552.4	0.250 mg/L
2	Sb 206.833	2465.5	2419.0	1.000 mg/L
2	Se 196.026	814.1	821.9	0.250 mg/L
2	Tl 190.800	695.6	740.2	0.250 mg/L
2	V 292.402	97655.4	97330.6	1.0000 mg/L
2	Zn 213.856	53024.3	53074.3	1.000 mg/L
3	Ag 328.068	34126.8	34547.4	0.5000 mg/L
3	Al 308.215	22770.6	22372.4	2.500 mg/L
3	As 188.979	646.2	651.8	0.250 mg/L
3	Ba 233.527	254013.6	254448.3	2.5000 mg/L
3	Be 313.107	567203.6	569589.7	0.25000 mg/L
3	Ca 227.547	1949.1	1989.8	25.00 mg/L
3	Cd 228.802	19952.2	19821.7	0.500 mg/L
3	Co 228.616	34573.3	34499.5	1.0000 mg/L
3	Cr 267.716	10455.2	10536.0	0.2500 mg/L
3	Cu 324.754	103775.2	103251.8	1.0000 mg/L
3	Fe 273.955	49661.9	49857.0	2.500 mg/L
3	K 766.491	393960.2	386195.0	7.500 mg/L
3	Mg 279.079	110628.2	111707.1	12.500 mg/L
3	Mn 257.610	391631.2	395113.1	1.0000 mg/L
3	Mo 202.030	12513.1	12634.8	1.000 mg/L
3	Na 330.237	22092.5	20771.2	50.00 mg/L
3	Ni 231.604	38194.1	38266.0	1.0000 mg/L
3	Pb 220.353	3857.9	3507.3	0.250 mg/L
3	Sb 206.833	2421.8	2375.2	1.000 mg/L
3	Se 196.026	802.5	810.3	0.250 mg/L
3	Tl 190.800	697.1	741.7	0.250 mg/L
3	V 292.402	94611.5	94286.6	1.0000 mg/L
3	Zn 213.856	52120.5	52170.4	1.000 mg/L

Mean Data

ID: STD3 1423C Seq. No.: 4 A/S Pos: 4
Data: Original Date: 04/25/03 11:21:17 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	35614.8	1071.49	3.01%	0.5000	mg/L
Al 308.215	23042.3	593.78	2.58%	2.500	mg/L
As 188.979	666.8	13.54	2.03%	0.250	mg/L
Ba 233.527	263499.0	9961.42	3.78%	2.5000	mg/L
Be 313.107	589091.2	20161.05	3.42%	0.25000	mg/L
Ca 227.547	2019.6	26.35	1.30%	25.00	mg/L
Cd 228.802	20294.9	442.18	2.18%	0.500	mg/L
Co 228.616	35502.6	1100.74	3.10%	1.0000	mg/L
Cr 267.716	10744.9	218.92	2.04%	0.2500	mg/L
Cu 324.754	106363.7	3218.83	3.03%	1.0000	mg/L
Fe 273.955	51468.9	1690.37	3.28%	2.500	mg/L
K 766.491	396074.0	8961.79	2.26%	7.500	mg/L
Mg 279.079	115646.4	4094.00	3.54%	12.500	mg/L
Mn 257.610	408261.5	14195.84	3.48%	1.0000	mg/L
Mo 202.030	12836.1	209.55	1.63%	1.000	mg/L
Na 330.237	21564.0	821.74	3.81%	50.00	mg/L
Ni 231.604	39279.8	1028.73	2.62%	1.0000	mg/L
Pb 220.353	3545.1	34.75	0.98%	0.250	mg/L
Sb 206.833	2414.2	36.87	1.53%	1.000	mg/L
Se 196.026	817.4	6.20	0.76%	0.250	mg/L
Tl 190.800	743.2	4.05	0.55%	0.250	mg/L
V 292.402	97310.1	3013.21	3.10%	1.0000	mg/L
Zn 213.856	53253.8	1183.32	2.22%	1.000	mg/L

Calibration Summary

Method: 23ME Date: 04/25/03 11:22:23 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555
Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933
K 766.491	3	Non-Linear	-1078.6	49933.0	453.88738	0.997973
Mg 279.079	3	Linear-thru-Zero	0.0	9509.7	0.00000	0.999886
Mn 257.610	3	Linear-thru-Zero	0.0	419158.0	0.00000	0.999852
Mo 202.030	3	Linear-thru-Zero	0.0	13429.3	0.00000	0.999845
Na 330.237	3	Non-Linear	-106.8	421.9	0.34487	0.999110
Ni 231.604	3	Linear-thru-Zero	0.0	39621.0	0.00000	0.999974
Pb 220.353	3	Linear-thru-Zero	0.0	14428.2	0.00000	0.999960
Sb 206.833	3	Linear-thru-Zero	0.0	2506.0	0.00000	0.999920
Se 196.026	3	Linear-thru-Zero	0.0	3255.7	0.00000	0.999926
Tl 190.800	3	Linear-thru-Zero	0.0	3052.1	0.00000	0.999959
V 292.402	3	Linear-thru-Zero	0.0	98088.9	0.00000	0.999950
Zn 213.856	3	Linear-thru-Zero	0.0	52893.5	0.00000	0.999984

Replicate Data

ID: ICV 1447A Date: 04/25/03 11:24:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	147229.7	147650.4	1.988	mg/L		
1	Al 308.215	90332.4	89934.2	9.828	mg/L		
1	As 188.979	2695.6	2701.1	1.008	mg/L		
1	Ba 233.527	1072381.3	1072816.1	9.911	mg/L		
1	Be 313.107	2400209.9	2402596.0	0.9832	mg/L		
1	Ca 227.547	8311.6	8352.3	101.6	mg/L		
1	Cd 228.802	81800.2	81669.8	1.975	mg/L		
1	Co 228.616	142724.2	142650.4	3.954	mg/L		
1	Cr 267.716	44196.1	44276.9	0.9871	mg/L		
1	Cu 324.754	442549.1	442025.8	3.963	mg/L		
1	Fe 273.955	205761.1	205956.2	9.887	mg/L		
1	K 766.491	1810057.4	1802292.2	28.65	mg/L		
1	Mg 279.079	468768.0	469846.8	49.41	mg/L		
1	Mn 257.610	1659197.0	1662678.8	3.967	mg/L		
1	Mo 202.030	53053.7	53175.3	3.960	mg/L		
1	Na 330.237	97388.7	96067.4	196.4	mg/L		
1	Ni 231.604	156277.7	156349.6	3.946	mg/L		
1	Pb 220.353	15130.7	14780.2	1.024	mg/L		
1	Sb 206.833	10218.3	10171.7	4.063	mg/L		
1	Se 196.026	3273.8	3281.6	1.008	mg/L		
1	Tl 190.800	3074.2	3118.8	1.028	mg/L		
1	V 292.402	387074.2	386749.3	3.943	mg/L		
1	Zn 213.856	208425.7	208475.7	3.941	mg/L		
2	Ag 328.068	146361.1	146781.8	1.976	mg/L		
2	Al 308.215	89445.9	89047.7	9.731	mg/L		
2	As 188.979	2670.4	2675.9	0.9985	mg/L		
2	Ba 233.527	1058434.5	1058869.3	9.783	mg/L		
2	Be 313.107	2449330.0	2451716.1	1.003	mg/L		
2	Ca 227.547	8127.2	8167.8	99.40	mg/L		
2	Cd 228.802	81102.6	80972.2	1.958	mg/L		
2	Co 228.616	141721.1	141647.2	3.927	mg/L		
2	Cr 267.716	43969.0	44049.8	0.9821	mg/L		
2	Cu 324.754	439037.9	438514.6	3.932	mg/L		
2	Fe 273.955	203901.2	204096.3	9.798	mg/L		
2	K 766.491	1865196.5	1857431.3	29.38	mg/L		

2	Mg 279.079	466787.3	467866.2	49.20 mg/L
2	Mn 257.610	1641903.4	1645385.3	3.925 mg/L
2	Mo 202.030	52754.2	52875.9	3.937 mg/L
2	Na 330.237	95977.9	94656.6	193.9 mg/L
2	Ni 231.604	155383.5	155455.4	3.924 mg/L
2	Pb 220.353	14455.7	14105.2	0.9776 mg/L
2	Sb 206.833	10045.7	9999.1	3.994 mg/L
2	Se 196.026	3155.7	3163.5	0.9717 mg/L
2	Tl 190.800	2992.9	3037.5	1.001 mg/L
2	V 292.402	384350.8	384026.0	3.915 mg/L
2	Zn 213.856	207109.3	207159.2	3.917 mg/L
3	Ag 328.068	147551.8	147972.5	1.992 mg/L
3	Al 308.215	90471.9	90073.7	9.843 mg/L
3	As 188.979	2771.8	2777.3	1.036 mg/L
3	Ba 233.527	1067607.1	1068041.9	9.867 mg/L
3	Be 313.107	2360931.3	2363317.4	0.9672 mg/L
3	Ca 227.547	8321.1	8361.7	101.8 mg/L
3	Cd 228.802	82426.4	82296.0	1.990 mg/L
3	Co 228.616	143294.8	143221.0	3.970 mg/L
3	Cr 267.716	44611.9	44692.7	0.9964 mg/L
3	Cu 324.754	444327.5	443804.1	3.979 mg/L
3	Fe 273.955	206036.5	206231.6	9.900 mg/L
3	K 766.491	1807527.5	1799762.3	28.62 mg/L
3	Mg 279.079	471248.3	472327.2	49.67 mg/L
3	Mn 257.610	1660049.4	1663531.3	3.969 mg/L
3	Mo 202.030	53044.5	53166.2	3.959 mg/L
3	Na 330.237	97220.8	95899.5	196.1 mg/L
3	Ni 231.604	157992.6	158064.4	3.989 mg/L
3	Pb 220.353	15020.9	14670.4	1.017 mg/L
3	Sb 206.833	10218.4	10171.9	4.063 mg/L
3	Se 196.026	3296.6	3304.4	1.015 mg/L
3	Tl 190.800	3034.5	3079.1	1.015 mg/L
3	V 292.402	389015.0	388690.1	3.963 mg/L
3	Zn 213.856	210276.2	210326.1	3.976 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: 04/25/03 11:24:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	147468.2	1.985	0.0083	mg/L				0.42%
Al 308.215	89685.2	9.801	0.0608	mg/L				0.62%
As 188.979	2718.1	1.014	0.0197	mg/L				1.94%
Ba 233.527	1066575.8	9.854	0.0655	mg/L				0.66%
Be 313.107	2405876.5	0.9846	0.01813	mg/L				1.84%
Ca 227.547	8294.0	100.9	1.33	mg/L				1.32%
Cd 228.802	81646.0	1.974	0.0160	mg/L				0.81%
Co 228.616	142506.2	3.950	0.0221	mg/L				0.56%
Cr 267.716	44339.8	0.9885	0.00727	mg/L				0.74%
Cu 324.754	441448.2	3.958	0.0241	mg/L				0.61%
Fe 273.955	205428.0	9.861	0.0557	mg/L				0.57%
K 766.491	1819828.6	28.88	0.427	mg/L				1.48%
Mg 279.079	470013.4	49.42	0.235	mg/L				0.48%
Mn 257.610	1657198.5	3.954	0.0244	mg/L				0.62%
Mo 202.030	53072.5	3.952	0.0127	mg/L				0.32%
Na 330.237	95541.1	195.5	1.38	mg/L				0.71%
Ni 231.604	156623.1	3.953	0.0335	mg/L				0.85%
Pb 220.353	14518.6	1.006	0.0251	mg/L				2.49%
Sb 206.833	10114.3	4.040	0.0398	mg/L				0.99%
Se 196.026	3249.8	0.9982	0.02324	mg/L				2.33%
Tl 190.800	3078.5	1.015	0.0133	mg/L				1.31%
V 292.402	386488.5	3.940	0.0239	mg/L				0.61%
Zn 213.856	208653.7	3.945	0.0301	mg/L				0.76%

Replicate Data

ID: ICB Date: 04/25/03 11:31:03 AM

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

1	Ag 328.068	-357.6	63.0	0.0008 mg/L
1	Al 308.215	410.2	12.0	0.0013 mg/L
1	As 188.979	-10.0	-4.5	-0.0017 mg/L
1	Ba 233.527	-291.7	143.1	0.0013 mg/L
1	Be 313.107	-2078.1	308.1	0.0001 mg/L
1	Ca 227.547	-40.3	0.4	0.0049 mg/L
1	Cd 228.802	141.9	11.5	0.0003 mg/L
1	Co 228.616	105.6	31.8	0.0009 mg/L
1	Cr 267.716	-62.2	18.6	0.0004 mg/L
1	Cu 324.754	582.6	59.2	0.0005 mg/L
1	Fe 273.955	-176.5	18.6	0.0009 mg/L
1	K 766.491	7774.4	9.2	0.0218 mg/L
1	Mg 279.079	-1000.6	78.2	0.0082 mg/L
1	Mn 257.610	-3297.1	184.8	0.0004 mg/L
1	Mo 202.030	-113.7	8.0	0.0006 mg/L
1	Na 330.237	1149.9	-171.4	-0.1532 mg/L
1	Ni 231.604	-59.5	12.4	0.0003 mg/L
1	Pb 220.353	315.6	-34.9	-0.0024 mg/L
1	Sb 206.833	43.4	-3.1	-0.0013 mg/L
1	Se 196.026	9.2	17.0	0.0052 mg/L
1	Tl 190.800	-40.7	3.9	0.0013 mg/L
1	V 292.402	337.3	12.4	0.0001 mg/L
1	Zn 213.856	-15.8	34.2	0.0006 mg/L
2	Ag 328.068	-420.0	0.6	0.0000 mg/L
2	Al 308.215	461.7	63.5	0.0069 mg/L
2	As 188.979	-14.0	-8.5	-0.0032 mg/L
2	Ba 233.527	-304.6	130.2	0.0012 mg/L
2	Be 313.107	-2075.0	311.1	0.0001 mg/L
2	Ca 227.547	-31.4	9.2	0.1125 mg/L
2	Cd 228.802	132.9	2.5	0.0001 mg/L
2	Co 228.616	98.4	24.5	0.0007 mg/L
2	Cr 267.716	-57.2	23.6	0.0005 mg/L
2	Cu 324.754	595.8	72.5	0.0007 mg/L
2	Fe 273.955	-187.2	7.9	0.0004 mg/L
2	K 766.491	8024.4	259.2	0.0268 mg/L
2	Mg 279.079	-1043.9	34.9	0.0037 mg/L
2	Mn 257.610	-3302.1	179.8	0.0004 mg/L
2	Mo 202.030	-118.4	3.2	0.0002 mg/L
2	Na 330.237	1351.3	30.0	0.3242 mg/L
2	Ni 231.604	-71.3	0.5	0.0000 mg/L
2	Pb 220.353	348.6	-1.9	-0.0001 mg/L
2	Sb 206.833	38.0	-8.5	-0.0034 mg/L
2	Se 196.026	-8.3	-0.5	-0.0001 mg/L
2	Tl 190.800	-55.8	-11.2	-0.0037 mg/L
2	V 292.402	320.3	-4.5	0.0000 mg/L
2	Zn 213.856	-28.7	21.3	0.0004 mg/L
3	Ag 328.068	-326.9	93.8	0.0013 mg/L
3	Al 308.215	399.3	1.1	0.0001 mg/L
3	As 188.979	-9.8	-4.3	-0.0016 mg/L
3	Ba 233.527	-303.1	131.7	0.0012 mg/L
3	Be 313.107	-2209.1	177.0	0.0001 mg/L
3	Ca 227.547	-46.1	-5.4	-0.0657 mg/L
3	Cd 228.802	127.4	-3.1	-0.0001 mg/L
3	Co 228.616	96.4	22.5	0.0006 mg/L
3	Cr 267.716	-66.3	14.5	0.0003 mg/L
3	Cu 324.754	483.6	-39.8	-0.0004 mg/L
3	Fe 273.955	-166.7	28.4	0.0014 mg/L
3	K 766.491	7638.9	-126.3	0.0191 mg/L
3	Mg 279.079	-1072.5	6.4	0.0007 mg/L
3	Mn 257.610	-3273.5	208.4	0.0005 mg/L
3	Mo 202.030	-126.1	-4.4	-0.0003 mg/L
3	Na 330.237	1279.7	-41.6	0.1546 mg/L
3	Ni 231.604	-58.6	13.3	0.0003 mg/L
3	Pb 220.353	337.9	-12.6	-0.0009 mg/L
3	Sb 206.833	40.9	-5.7	-0.0023 mg/L
3	Se 196.026	-6.3	1.5	0.0004 mg/L
3	Tl 190.800	-42.6	2.0	0.0007 mg/L
3	V 292.402	353.1	28.3	0.0003 mg/L
3	Zn 213.856	-23.2	26.8	0.0005 mg/L

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

ID: ICB Seq. No.: 6 Sample No.: 2 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 11:31:03 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	52.5	0.0007	0.00064	mg/L				90.44%
Al 308.215	25.5	0.0028	0.00364	mg/L				130.42%
As 188.979	-5.8	-0.0021	0.00088	mg/L				40.98%
Ba 233.527	135.0	0.0012	0.00006	mg/L				5.21%
Be 313.107	265.4	0.0001	0.00003	mg/L				28.84%
Ca 227.547	1.4	0.0172	0.08974	mg/L				520.35%
Cd 228.802	3.6	0.0001	0.00018	mg/L				202.72%
Co 228.616	26.3	0.0007	0.00014	mg/L				18.56%
Cr 267.716	18.9	0.0004	0.00010	mg/L				24.04%
Cu 324.754	30.6	0.0003	0.00055	mg/L				200.22%
Fe 273.955	18.3	0.0009	0.00049	mg/L				56.09%
K 766.491	47.4	0.0225	0.00391	mg/L				17.36%
Mg 279.079	39.8	0.0042	0.00380	mg/L				90.74%
Mn 257.610	191.0	0.0005	0.00004	mg/L				8.01%
Mo 202.030	2.3	0.0002	0.00047	mg/L				276.71%
Na 330.237	-61.0	0.1085	0.24199	mg/L				222.96%
Ni 231.604	8.7	0.0002	0.00018	mg/L				81.66%
Pb 220.353	-16.5	-0.0011	0.00117	mg/L				102.52%
Sb 206.833	-5.8	-0.0023	0.00108	mg/L				46.66%
Se 196.026	6.0	0.0018	0.00294	mg/L				159.85%
Tl 190.800	-1.8	-0.0006	0.00269	mg/L				465.14%
V 292.402	12.1	0.0001	0.00017	mg/L				135.72%
Zn 213.856	27.4	0.0005	0.00012	mg/L				23.57%

Calibration Summary
Method: 23ME Date: 04/25/03 11:32:23 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555
Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933
K 766.491	3	Non-Linear	-1078.6	49933.0	453.88738	0.997973
Mg 279.079	3	Linear-thru-Zero	0.0	9509.7	0.00000	0.999886
Mn 257.610	3	Linear-thru-Zero	0.0	419158.0	0.00000	0.999852
Mo 202.030	3	Linear-thru-Zero	0.0	13429.3	0.00000	0.999845
Na 330.237	3	Non-Linear	-106.8	421.9	0.34487	0.999110
Ni 231.604	3	Linear-thru-Zero	0.0	39621.0	0.00000	0.999974
Pb 220.353	3	Linear-thru-Zero	0.0	14428.2	0.00000	0.999960
Sb 206.833	3	Linear-thru-Zero	0.0	2506.0	0.00000	0.999920
Se 196.026	3	Linear-thru-Zero	0.0	3255.7	0.00000	0.999926
Tl 190.800	3	Linear-thru-Zero	0.0	3052.1	0.00000	0.999959
V 292.402	3	Linear-thru-Zero	0.0	98088.9	0.00000	0.999950
Zn 213.856	3	Linear-thru-Zero	0.0	52893.5	0.00000	0.999984

Replicate Data
ID: CRI A1432 Date: 04/25/03 11:33:38 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	241.9	662.5	0.0089	mg/L		
1	Al 308.215	2265.2	1867.0	0.2040	mg/L		
1	As 188.979	39.6	45.1	0.0167	mg/L		
1	Ba 233.527	643.2	1078.0	0.0100	mg/L		
1	Be 313.107	8096.3	10482.4	0.0043	mg/L		
1	Ca 227.547	49.2	89.9	1.094	mg/L		
1	Cd 228.802	312.8	182.3	0.0044	mg/L		

1	Co 228.616	735.5	661.7	0.0183 mg/L
1	Cr 267.716	365.0	445.8	0.0099 mg/L
1	Cu 324.754	1640.7	1117.3	0.0100 mg/L
1	Fe 273.955	716.0	911.1	0.0438 mg/L
1	K 766.491	7698.1	-67.1	0.0203 mg/L
1	Mg 279.079	-1014.3	64.6	0.0068 mg/L
1	Mn 257.610	239.4	3721.3	0.0089 mg/L
1	Mo 202.030	31.5	153.2	0.0114 mg/L
1	Na 330.237	1185.3	-136.0	-0.0693 mg/L
1	Ni 231.604	645.0	716.9	0.0181 mg/L
1	Pb 220.353	474.3	123.8	0.0086 mg/L
1	Sb 206.833	87.7	41.2	0.0164 mg/L
1	Se 196.026	39.6	47.4	0.0146 mg/L
1	Tl 190.800	-17.6	27.0	0.0088 mg/L
1	V 292.402	1234.9	910.1	0.0093 mg/L
1	Zn 213.856	971.9	1021.9	0.0193 mg/L
2	Ag 328.068	369.3	789.9	0.0106 mg/L
2	Al 308.215	2058.8	1660.6	0.1815 mg/L
2	As 188.979	42.5	48.0	0.0178 mg/L
2	Ba 233.527	607.7	1042.5	0.0096 mg/L
2	Be 313.107	6631.4	9017.5	0.0037 mg/L
2	Ca 227.547	43.5	84.2	1.024 mg/L
2	Cd 228.802	327.3	196.9	0.0048 mg/L
2	Co 228.616	737.0	663.1	0.0184 mg/L
2	Cr 267.716	338.8	419.6	0.0094 mg/L
2	Cu 324.754	1394.7	871.4	0.0078 mg/L
2	Fe 273.955	752.2	947.3	0.0456 mg/L
2	K 766.491	8044.9	279.7	0.0272 mg/L
2	Mg 279.079	-991.1	87.7	0.0092 mg/L
2	Mn 257.610	135.5	3617.4	0.0086 mg/L
2	Mo 202.030	59.5	181.2	0.0135 mg/L
2	Na 330.237	1206.7	-114.6	-0.0184 mg/L
2	Ni 231.604	657.6	729.4	0.0184 mg/L
2	Pb 220.353	474.6	124.1	0.0086 mg/L
2	Sb 206.833	78.7	32.2	0.0128 mg/L
2	Se 196.026	21.2	29.0	0.0089 mg/L
2	Tl 190.800	-19.9	24.7	0.0081 mg/L
2	V 292.402	1275.5	950.7	0.0097 mg/L
2	Zn 213.856	960.5	1010.5	0.0191 mg/L
3	Ag 328.068	277.9	698.6	0.0094 mg/L
3	Al 308.215	2073.9	1675.7	0.1831 mg/L
3	As 188.979	41.8	47.4	0.0176 mg/L
3	Ba 233.527	601.6	1036.4	0.0096 mg/L
3	Be 313.107	6932.4	9318.5	0.0038 mg/L
3	Ca 227.547	55.0	95.7	1.164 mg/L
3	Cd 228.802	331.0	200.5	0.0048 mg/L
3	Co 228.616	715.8	642.0	0.0178 mg/L
3	Cr 267.716	335.2	416.0	0.0093 mg/L
3	Cu 324.754	1520.4	997.0	0.0089 mg/L
3	Fe 273.955	728.5	923.6	0.0444 mg/L
3	K 766.491	7400.1	-365.1	0.0143 mg/L
3	Mg 279.079	-988.3	90.5	0.0095 mg/L
3	Mn 257.610	75.8	3557.7	0.0085 mg/L
3	Mo 202.030	58.4	180.1	0.0134 mg/L
3	Na 330.237	1277.4	-43.9	0.1491 mg/L
3	Ni 231.604	642.1	713.9	0.0180 mg/L
3	Pb 220.353	482.3	131.8	0.0091 mg/L
3	Sb 206.833	81.7	35.1	0.0140 mg/L
3	Se 196.026	31.2	39.0	0.0120 mg/L
3	Tl 190.800	-11.8	32.8	0.0107 mg/L
3	V 292.402	1160.3	835.4	0.0085 mg/L
3	Zn 213.856	961.3	1011.3	0.0191 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: 04/25/03 11:33:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	717.0	0.0096	0.00088	mg/L				9.16%

Al 308.215	1734.5	0.1895	0.01257 mg/L	6.63%
As 188.979	46.8	0.0174	0.00058 mg/L	3.32%
Ba 233.527	1052.3	0.0097	0.00021 mg/L	2.14%
Be 313.107	9606.1	0.0039	0.00032 mg/L	8.05%
Ca 227.547	89.9	1.094	0.0699 mg/L	6.39%
Cd 228.802	193.3	0.0047	0.00023 mg/L	4.98%
Co 228.616	655.6	0.0182	0.00033 mg/L	1.80%
Cr 267.716	427.1	0.0095	0.00036 mg/L	3.81%
Cu 324.754	995.2	0.0089	0.00110 mg/L	12.36%
Fe 273.955	927.3	0.0446	0.00088 mg/L	1.98%
K 766.491	-50.8	0.0206	0.00646 mg/L	31.40%
Mg 279.079	80.9	0.0085	0.00150 mg/L	17.58%
Mn 257.610	3632.1	0.0087	0.00020 mg/L	2.28%
Mo 202.030	171.5	0.0128	0.00118 mg/L	9.24%
Na 330.237	-98.2	0.0205	0.11425 mg/L	558.60%
Ni 231.604	720.1	0.0182	0.00021 mg/L	1.14%
Pb 220.353	126.6	0.0088	0.00031 mg/L	3.59%
Sb 206.833	36.2	0.0144	0.00183 mg/L	12.70%
Se 196.026	38.4	0.0118	0.00283 mg/L	23.95%
Tl 190.800	28.2	0.0092	0.00136 mg/L	14.73%
V 292.402	898.7	0.0092	0.00060 mg/L	6.50%
Zn 213.856	1014.6	0.0192	0.00012 mg/L	0.63%

Replicate Data

ID: ICSA 1441 Date: 04/25/03 11:36:49 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	22.9	443.5	0.0059	mg/L		
1	Al 308.215	4219539.8	4219141.6	461.1	mg/L		
1	As 188.979	-99.1	-93.6	-0.0193	mg/L		
1	Ba 233.527	-580.7	-145.9	-0.0013	mg/L		
1	Be 313.107	-1967.6	418.5	0.0002	mg/L		
1	Ca 227.547	38893.2	38933.9	473.8	mg/L		
1	Cd 228.802	41.2	-89.2	-0.0022	mg/L		
1	Co 228.616	164.2	90.3	0.0025	mg/L		
1	Cr 267.716	563.3	644.1	0.0095	mg/L		
1	Cu 324.754	-118.8	-642.2	0.0068	mg/L		
1	Fe 273.955	3776545.8	3776740.9	181.6	mg/L		
1	K 766.491	6671.1	-1094.1	-0.0003	mg/L		
1	Mg 279.079	4498191.3	4499270.1	473.1	mg/L		
1	Mn 257.610	-1417.8	2064.1	-0.0019	mg/L		
1	Mo 202.030	-100.5	21.2	-0.0033	mg/L		
1	Na 330.237	1171.9	-149.4	-0.1009	mg/L		
1	Ni 231.604	-44.3	27.5	0.0007	mg/L		
1	Pb 220.353	18.2	-332.3	0.0023	mg/L		
1	Sb 206.833	-4.7	-51.3	-0.0314	mg/L		
1	Se 196.026	-104.8	-97.0	0.0029	mg/L		
1	Tl 190.800	-64.3	-19.7	-0.0049	mg/L		
1	V 292.402	-1462.8	-1787.7	-0.0037	mg/L		
1	Zn 213.856	1094.6	1144.6	0.0025	mg/L		
2	Ag 328.068	118.4	539.0	0.0072	mg/L		
2	Al 308.215	4059667.8	4059269.6	443.6	mg/L		
2	As 188.979	-28.9	-23.4	0.0061	mg/L		
2	Ba 233.527	-712.1	-277.3	-0.0026	mg/L		
2	Be 313.107	-2204.4	181.8	0.0001	mg/L		
2	Ca 227.547	35801.8	35842.5	436.2	mg/L		
2	Cd 228.802	90.9	-39.5	-0.0010	mg/L		
2	Co 228.616	79.4	5.5	0.0002	mg/L		
2	Cr 267.716	328.5	409.3	0.0044	mg/L		
2	Cu 324.754	-74.0	-597.3	0.0067	mg/L		
2	Fe 273.955	3626267.5	3626462.6	174.4	mg/L		
2	K 766.491	6700.5	-1064.7	0.0003	mg/L		
2	Mg 279.079	4305876.8	4306955.6	452.9	mg/L		
2	Mn 257.610	-1629.3	1852.6	-0.0021	mg/L		
2	Mo 202.030	-46.8	74.9	0.0009	mg/L		
2	Na 330.237	1201.1	-120.2	-0.0318	mg/L		
2	Ni 231.604	4.1	76.0	0.0019	mg/L		
2	Pb 220.353	-124.3	-474.8	-0.0084	mg/L		
2	Sb 206.833	69.4	22.8	-0.0013	mg/L		
2	Se 196.026	-46.4	-38.6	0.0196	mg/L		

2	Tl 190.800	-37.1	7.5	0.0040 mg/L
2	V 292.402	-1352.6	-1677.4	-0.0031 mg/L
2	Zn 213.856	945.3	995.2	0.0004 mg/L
3	Ag 328.068	25.0	445.6	0.0060 mg/L
3	Al 308.215	4113581.2	4113183.0	449.5 mg/L
3	As 188.979	-47.6	-42.0	-0.0006 mg/L
3	Ba 233.527	-408.7	26.0	0.0002 mg/L
3	Be 313.107	-2027.3	358.8	0.0001 mg/L
3	Ca 227.547	38102.5	38143.2	464.2 mg/L
3	Cd 228.802	74.6	-55.8	-0.0013 mg/L
3	Co 228.616	162.6	88.8	0.0025 mg/L
3	Cr 267.716	343.7	424.5	0.0047 mg/L
3	Cu 324.754	-193.2	-716.5	0.0057 mg/L
3	Fe 273.955	3651864.1	3652059.2	175.6 mg/L
3	K 766.491	6827.9	-937.3	0.0028 mg/L
3	Mg 279.079	4335456.4	4336535.3	456.0 mg/L
3	Mn 257.610	-1436.3	2045.6	-0.0017 mg/L
3	Mo 202.030	-30.3	91.4	0.0021 mg/L
3	Na 330.237	1130.1	-191.2	-0.2000 mg/L
3	Ni 231.604	-13.2	58.7	0.0015 mg/L
3	Pb 220.353	-178.6	-529.1	-0.0119 mg/L
3	Sb 206.833	24.8	-21.7	-0.0192 mg/L
3	Se 196.026	-75.2	-67.4	0.0109 mg/L
3	Tl 190.800	-75.4	-30.9	-0.0086 mg/L
3	V 292.402	-1498.2	-1823.1	-0.0045 mg/L
3	Zn 213.856	1034.7	1084.6	0.0020 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: 04/25/03 11:36:49 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	476.1	0.0064	0.00073	mg/L				11.46%
Al 308.215	4130531.4	451.4	8.89	mg/L				1.97%
As 188.979	-53.0	-0.0046	0.01313	mg/L				286.17%
Ba 233.527	-132.4	-0.0012	0.00141	mg/L				114.91%
Be 313.107	319.7	0.0001	0.00005	mg/L				38.51%
Ca 227.547	37639.8	458.1	19.54	mg/L				4.27%
Cd 228.802	-61.5	-0.0015	0.00061	mg/L				41.20%
Co 228.616	61.6	0.0017	0.00135	mg/L				78.84%
Cr 267.716	492.6	0.0062	0.00283	mg/L				45.58%
Cu 324.754	-652.0	0.0064	0.00060	mg/L				9.37%
Fe 273.955	3685087.6	177.2	3.87	mg/L				2.18%
K 766.491	-1032.1	0.0009	0.00167	mg/L				179.15%
Mg 279.079	4380920.3	460.7	10.89	mg/L				2.36%
Mn 257.610	1987.4	-0.0019	0.00021	mg/L				10.89%
Mo 202.030	62.5	-0.0001	0.00283	mg/L				>999.9%
Na 330.237	-153.6	-0.1109	0.08457	mg/L				76.24%
Ni 231.604	54.1	0.0014	0.00062	mg/L				45.40%
Pb 220.353	-445.4	-0.0060	0.00740	mg/L				123.09%
Sb 206.833	-16.7	-0.0173	0.01509	mg/L				87.30%
Se 196.026	-67.7	0.0111	0.00833	mg/L				74.87%
Tl 190.800	-14.4	-0.0032	0.00650	mg/L				204.40%
V 292.402	-1762.7	-0.0038	0.00070	mg/L				18.47%
Zn 213.856	1074.8	0.0016	0.00106	mg/L				65.27%

Replicate Data

ID: ICSAB 1443 Date: 04/25/03 11:39:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	74437.5	74858.2	1.004	mg/L		
1	Al 308.215	4249501.5	4249103.3	464.3	mg/L		
1	As 188.979	2580.5	2586.0	0.9782	mg/L		
1	Ba 233.527	52845.2	53280.0	0.4922	mg/L		
1	Be 313.107	1170252.8	1172638.9	0.4799	mg/L		
1	Ca 227.547	38666.7	38707.4	471.0	mg/L		
1	Cd 228.802	39783.9	39653.5	0.9590	mg/L		
1	Co 228.616	16924.7	16850.9	0.4671	mg/L		

1	Cr 267.716	22157.6	22238.4	0.4909 mg/L
1	Cu 324.754	56093.5	55570.2	0.5107 mg/L
1	Fe 273.955	3737795.2	3737990.3	179.8 mg/L
1	K 766.491	7018.0	-747.2	0.0066 mg/L
1	Mg 279.079	4427476.6	4428555.4	465.7 mg/L
1	Mn 257.610	203646.0	207127.9	0.4874 mg/L
1	Mo 202.030	12319.3	12441.0	0.9216 mg/L
1	Na 330.237	1301.2	-20.1	0.2055 mg/L
1	Ni 231.604	36167.5	36239.4	0.9147 mg/L
1	Pb 220.353	13225.8	12875.3	0.9181 mg/L
1	Sb 206.833	2472.8	2426.3	0.9550 mg/L
1	Se 196.026	2940.9	2948.7	0.9381 mg/L
1	Tl 190.800	2692.7	2737.3	0.8991 mg/L
1	V 292.402	46451.0	46126.2	0.4846 mg/L
1	Zn 213.856	52798.1	52848.0	0.9802 mg/L
2	Ag 328.068	74996.9	75417.5	1.011 mg/L
2	Al 308.215	4303012.3	4302614.1	470.2 mg/L
2	As 188.979	2590.4	2595.9	0.9820 mg/L
2	Ba 233.527	53267.1	53701.9	0.4961 mg/L
2	Be 313.107	1175842.6	1178228.7	0.4822 mg/L
2	Ca 227.547	38723.3	38764.0	471.7 mg/L
2	Cd 228.802	39782.0	39651.6	0.9589 mg/L
2	Co 228.616	17239.6	17165.7	0.4759 mg/L
2	Cr 267.716	22434.5	22515.3	0.4971 mg/L
2	Cu 324.754	56255.6	55732.3	0.5122 mg/L
2	Fe 273.955	3760154.3	3760349.4	180.9 mg/L
2	K 766.491	7064.4	-700.8	0.0076 mg/L
2	Mg 279.079	4454753.2	4455832.0	468.6 mg/L
2	Mn 257.610	204691.5	208173.3	0.4899 mg/L
2	Mo 202.030	12469.3	12591.0	0.9328 mg/L
2	Na 330.237	1336.7	15.4	0.2895 mg/L
2	Ni 231.604	36615.3	36687.2	0.9260 mg/L
2	Pb 220.353	13207.1	12856.6	0.9172 mg/L
2	Sb 206.833	2490.3	2443.7	0.9619 mg/L
2	Se 196.026	3020.1	3027.9	0.9626 mg/L
2	Tl 190.800	2787.4	2832.0	0.9302 mg/L
2	V 292.402	46666.6	46341.8	0.4869 mg/L
2	Zn 213.856	52597.8	52647.7	0.9763 mg/L
3	Ag 328.068	76566.4	76987.0	1.032 mg/L
3	Al 308.215	4380939.9	4380541.7	478.7 mg/L
3	As 188.979	2618.5	2624.0	0.9928 mg/L
3	Ba 233.527	54040.7	54475.5	0.5033 mg/L
3	Be 313.107	1198065.8	1200452.0	0.4913 mg/L
3	Ca 227.547	39518.8	39559.5	481.4 mg/L
3	Cd 228.802	40276.5	40146.1	0.9709 mg/L
3	Co 228.616	17187.1	17113.3	0.4744 mg/L
3	Cr 267.716	22766.6	22847.4	0.5044 mg/L
3	Cu 324.754	57621.2	57097.8	0.5247 mg/L
3	Fe 273.955	3829308.4	3829503.5	184.2 mg/L
3	K 766.491	7466.0	-299.2	0.0156 mg/L
3	Mg 279.079	4554241.4	4555320.2	479.0 mg/L
3	Mn 257.610	207682.8	211164.7	0.4969 mg/L
3	Mo 202.030	12703.2	12824.9	0.9501 mg/L
3	Na 330.237	1336.7	15.4	0.2895 mg/L
3	Ni 231.604	36905.3	36977.2	0.9333 mg/L
3	Pb 220.353	13507.1	13156.6	0.9384 mg/L
3	Sb 206.833	2518.9	2472.4	0.9731 mg/L
3	Se 196.026	3002.3	3010.1	0.9577 mg/L
3	Tl 190.800	2826.1	2870.7	0.9429 mg/L
3	V 292.402	47808.9	47484.1	0.4988 mg/L
3	Zn 213.856	53864.3	53914.3	0.9999 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: 04/25/03 11:39:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	75754.2	1.016	0.0148	mg/L				1.46%
Al 308.215	4310753.0	471.1	7.22	mg/L				1.53%

As 188.979	2602.0	0.9843	0.00754	mg/L	0.77%
Ba 233.527	53819.1	0.4972	0.00560	mg/L	1.13%
Be 313.107	1183773.2	0.4844	0.00602	mg/L	1.24%
Ca 227.547	39010.3	474.7	5.80	mg/L	1.22%
Cd 228.802	39817.1	0.9629	0.00689	mg/L	0.72%
Co 228.616	17043.3	0.4725	0.00468	mg/L	0.99%
Cr 267.716	22533.7	0.4975	0.00674	mg/L	1.35%
Cu 324.754	56133.4	0.5158	0.00768	mg/L	1.49%
Fe 273.955	3775947.7	181.6	2.29	mg/L	1.26%
K 766.491	-582.4	0.0099	0.00493	mg/L	49.65%
Mg 279.079	4479902.6	471.1	7.02	mg/L	1.49%
Mn 257.610	208822.0	0.4914	0.00490	mg/L	1.00%
Mo 202.030	12619.0	0.9348	0.01434	mg/L	1.53%
Na 330.237	3.5	0.2615	0.04852	mg/L	18.56%
Ni 231.604	36634.6	0.9246	0.00938	mg/L	1.01%
Pb 220.353	12962.8	0.9246	0.01202	mg/L	1.30%
Sb 206.833	2447.5	0.9633	0.00912	mg/L	0.95%
Se 196.026	2995.6	0.9528	0.01298	mg/L	1.36%
Tl 190.800	2813.3	0.9241	0.02251	mg/L	2.44%
V 292.402	46650.7	0.4901	0.00762	mg/L	1.56%
Zn 213.856	53136.7	0.9855	0.01263	mg/L	1.28%

Replicate Data

ID: CCV 1447B Date: 04/25/03 11:42:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	71841.0	72261.7	0.9688	mg/L		
1	Al 308.215	45817.5	45419.3	4.963	mg/L		
1	As 188.979	1396.0	1401.5	0.5229	mg/L		
1	Ba 233.527	524877.2	525312.0	4.853	mg/L		
1	Be 313.107	1179943.2	1182329.3	0.4839	mg/L		
1	Ca 227.547	4212.6	4253.2	51.76	mg/L		
1	Cd 228.802	42431.8	42301.4	1.023	mg/L		
1	Co 228.616	71030.1	70956.2	1.967	mg/L		
1	Cr 267.716	22898.1	22978.9	0.5123	mg/L		
1	Cu 324.754	217394.0	216870.6	1.945	mg/L		
1	Fe 273.955	102606.9	102802.0	4.935	mg/L		
1	K 766.491	856554.7	848789.5	14.98	mg/L		
1	Mg 279.079	231154.0	232232.9	24.42	mg/L		
1	Mn 257.610	818603.8	822085.6	1.961	mg/L		
1	Mo 202.030	27422.0	27543.7	2.051	mg/L		
1	Na 330.237	46582.6	45261.3	99.45	mg/L		
1	Ni 231.604	78240.2	78312.0	1.977	mg/L		
1	Pb 220.353	7901.2	7550.7	0.5233	mg/L		
1	Sb 206.833	5173.2	5126.6	2.048	mg/L		
1	Se 196.026	1708.1	1715.9	0.5271	mg/L		
1	Tl 190.800	1510.9	1555.5	0.5128	mg/L		
1	V 292.402	194059.6	193734.8	1.975	mg/L		
1	Zn 213.856	104937.5	104987.5	1.985	mg/L		
2	Ag 328.068	72883.9	73304.5	0.9828	mg/L		
2	Al 308.215	46913.0	46514.8	5.083	mg/L		
2	As 188.979	1382.6	1388.1	0.5179	mg/L		
2	Ba 233.527	532035.1	532469.8	4.919	mg/L		
2	Be 313.107	1199393.6	1201779.7	0.4918	mg/L		
2	Ca 227.547	4096.1	4136.7	50.34	mg/L		
2	Cd 228.802	40950.5	40820.1	0.9872	mg/L		
2	Co 228.616	72162.2	72088.3	1.998	mg/L		
2	Cr 267.716	21981.0	22061.8	0.4919	mg/L		
2	Cu 324.754	221224.9	220701.5	1.979	mg/L		
2	Fe 273.955	104216.6	104411.7	5.012	mg/L		
2	K 766.491	868163.2	860398.0	15.16	mg/L		
2	Mg 279.079	233961.1	235039.9	24.72	mg/L		
2	Mn 257.610	829717.2	833199.1	1.988	mg/L		
2	Mo 202.030	26282.7	26404.4	1.966	mg/L		
2	Na 330.237	47770.3	46449.0	101.9	mg/L		
2	Ni 231.604	80105.9	80177.7	2.024	mg/L		
2	Pb 220.353	7656.1	7305.5	0.5063	mg/L		
2	Sb 206.833	4973.3	4926.7	1.968	mg/L		
2	Se 196.026	1662.7	1670.4	0.5131	mg/L		
2	Tl 190.800	1433.7	1478.3	0.4875	mg/L		

2	V 292.402	196949.4	196624.5	2.005 mg/L
2	Zn 213.856	107336.5	107386.4	2.030 mg/L
3	Ag 328.068	71838.2	72258.8	0.9687 mg/L
3	Al 308.215	46453.0	46054.8	5.033 mg/L
3	As 188.979	1372.9	1378.4	0.5143 mg/L
3	Ba 233.527	523699.8	524134.6	4.842 mg/L
3	Be 313.107	1178739.8	1181125.9	0.4834 mg/L
3	Ca 227.547	4044.5	4085.2	49.71 mg/L
3	Cd 228.802	40701.0	40570.5	0.9811 mg/L
3	Co 228.616	71071.7	70997.8	1.968 mg/L
3	Cr 267.716	21813.0	21893.8	0.4881 mg/L
3	Cu 324.754	217594.5	217071.1	1.946 mg/L
3	Fe 273.955	102316.4	102511.5	4.921 mg/L
3	K 766.491	848436.1	840670.9	14.85 mg/L
3	Mg 279.079	231922.5	233001.3	24.50 mg/L
3	Mn 257.610	816078.1	819559.9	1.955 mg/L
3	Mo 202.030	26182.0	26303.7	1.959 mg/L
3	Na 330.237	46934.4	45613.1	100.2 mg/L
3	Ni 231.604	78739.4	78811.2	1.989 mg/L
3	Pb 220.353	7730.4	7379.9	0.5115 mg/L
3	Sb 206.833	5009.7	4963.1	1.983 mg/L
3	Se 196.026	1699.3	1707.1	0.5243 mg/L
3	Tl 190.800	1495.3	1539.9	0.5077 mg/L
3	V 292.402	194612.5	194287.7	1.981 mg/L
3	Zn 213.856	105464.8	105514.7	1.995 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: 04/25/03 11:42:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72608.4	0.9734	0.00808	mg/L				0.83%
Al 308.215	45996.3	5.026	0.0601	mg/L				1.20%
As 188.979	1389.4	0.5184	0.00436	mg/L				0.84%
Ba 233.527	527305.5	4.872	0.0417	mg/L				0.86%
Be 313.107	1188411.7	0.4863	0.00474	mg/L				0.98%
Ca 227.547	4158.4	50.61	1.048	mg/L				2.07%
Cd 228.802	41230.7	0.9971	0.02263	mg/L				2.27%
Co 228.616	71347.5	1.978	0.0178	mg/L				0.90%
Cr 267.716	22311.5	0.4974	0.01302	mg/L				2.62%
Cu 324.754	218214.4	1.957	0.0193	mg/L				0.99%
Fe 273.955	103241.7	4.956	0.0492	mg/L				0.99%
K 766.491	849952.8	15.00	0.156	mg/L				1.04%
Mg 279.079	233424.7	24.55	0.153	mg/L				0.62%
Mn 257.610	824948.2	1.968	0.0173	mg/L				0.88%
Mo 202.030	26750.6	1.992	0.0513	mg/L				2.57%
Na 330.237	45774.5	100.5	1.24	mg/L				1.24%
Ni 231.604	79100.3	1.996	0.0244	mg/L				1.22%
Pb 220.353	7412.0	0.5137	0.00871	mg/L				1.70%
Sb 206.833	5005.5	2.000	0.0424	mg/L				2.12%
Se 196.026	1697.8	0.5215	0.00740	mg/L				1.42%
Tl 190.800	1524.6	0.5027	0.01335	mg/L				2.66%
V 292.402	194882.3	1.987	0.0156	mg/L				0.79%
Zn 213.856	105962.9	2.003	0.0238	mg/L				1.19%

Replicate Data

ID: CCB Date: 04/25/03 11:44:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-474.6	-54.0	-0.0007	mg/L		
1	Al 308.215	1332.8	934.6	0.1021	mg/L		
1	As 188.979	-2.7	2.9	0.0011	mg/L		
1	Ba 233.527	-215.5	219.3	0.0020	mg/L		
1	Be 313.107	-1650.3	735.8	0.0003	mg/L		
1	Ca 227.547	-11.7	29.0	0.3527	mg/L		
1	Cd 228.802	156.2	25.7	0.0006	mg/L		
1	Co 228.616	105.4	31.6	0.0009	mg/L		
1	Cr 267.716	-45.3	35.5	0.0008	mg/L		

1	Cu 324.754	576.4	53.1	0.0005 mg/L
1	Fe 273.955	543.3	738.4	0.0355 mg/L
1	K 766.491	7879.6	114.4	0.0239 mg/L
1	Mg 279.079	-131.8	947.0	0.0996 mg/L
1	Mn 257.610	-2948.2	533.7	0.0013 mg/L
1	Mo 202.030	-95.3	26.4	0.0020 mg/L
1	Na 330.237	1254.7	-66.6	0.0954 mg/L
1	Ni 231.604	-47.6	24.3	0.0006 mg/L
1	Pb 220.353	289.2	-61.3	-0.0042 mg/L
1	Sb 206.833	36.9	-9.6	-0.0038 mg/L
1	Se 196.026	2.7	10.5	0.0032 mg/L
1	Tl 190.800	-32.0	12.6	0.0041 mg/L
1	V 292.402	220.8	-104.0	-0.0011 mg/L
1	Zn 213.856	5.1	55.1	0.0010 mg/L
2	Ag 328.068	-400.2	20.5	0.0003 mg/L
2	Al 308.215	1127.7	729.5	0.0797 mg/L
2	As 188.979	-18.7	-13.2	-0.0049 mg/L
2	Ba 233.527	-249.0	185.8	0.0017 mg/L
2	Be 313.107	-1800.9	585.2	0.0002 mg/L
2	Ca 227.547	-19.1	21.6	0.2628 mg/L
2	Cd 228.802	145.9	15.5	0.0004 mg/L
2	Co 228.616	102.6	28.8	0.0008 mg/L
2	Cr 267.716	-47.4	33.3	0.0007 mg/L
2	Cu 324.754	495.0	-28.3	-0.0003 mg/L
2	Fe 273.955	405.5	600.6	0.0289 mg/L
2	K 766.491	7653.4	-111.8	0.0194 mg/L
2	Mg 279.079	-249.9	829.0	0.0872 mg/L
2	Mn 257.610	-3018.3	463.6	0.0011 mg/L
2	Mo 202.030	-105.8	15.9	0.0012 mg/L
2	Na 330.237	1111.7	-209.6	-0.2438 mg/L
2	Ni 231.604	-43.6	28.2	0.0007 mg/L
2	Pb 220.353	327.0	-23.5	-0.0016 mg/L
2	Sb 206.833	39.0	-7.5	-0.0030 mg/L
2	Se 196.026	-5.8	2.0	0.0006 mg/L
2	Tl 190.800	-45.9	-1.4	-0.0004 mg/L
2	V 292.402	274.4	-50.4	-0.0005 mg/L
2	Zn 213.856	-4.0	46.0	0.0009 mg/L
3	Ag 328.068	-266.1	154.5	0.0021 mg/L
3	Al 308.215	952.4	554.2	0.0606 mg/L
3	As 188.979	-9.1	-3.6	-0.0013 mg/L
3	Ba 233.527	-284.6	150.2	0.0014 mg/L
3	Be 313.107	-1762.1	624.0	0.0003 mg/L
3	Ca 227.547	-41.6	-0.9	-0.0113 mg/L
3	Cd 228.802	132.0	1.6	0.0000 mg/L
3	Co 228.616	109.7	35.8	0.0010 mg/L
3	Cr 267.716	-60.5	20.3	0.0005 mg/L
3	Cu 324.754	608.8	85.4	0.0008 mg/L
3	Fe 273.955	294.8	489.9	0.0236 mg/L
3	K 766.491	7392.5	-372.7	0.0141 mg/L
3	Mg 279.079	-590.1	488.8	0.0514 mg/L
3	Mn 257.610	-3097.6	384.3	0.0009 mg/L
3	Mo 202.030	-110.8	10.9	0.0008 mg/L
3	Na 330.237	1411.3	90.0	0.4663 mg/L
3	Ni 231.604	-52.3	19.5	0.0005 mg/L
3	Pb 220.353	333.3	-17.2	-0.0012 mg/L
3	Sb 206.833	50.2	3.7	0.0015 mg/L
3	Se 196.026	0.6	8.4	0.0026 mg/L
3	Tl 190.800	-42.9	1.6	0.0005 mg/L
3	V 292.402	429.6	104.7	0.0011 mg/L
3	Zn 213.856	0.7	50.7	0.0010 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: 04/25/03 11:44:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	40.3	0.0005	0.00142	mg/L				262.00%
Al 308.215	739.4	0.0808	0.02080	mg/L				25.75%
As 188.979	-4.6	-0.0017	0.00299	mg/L				174.43%

Ba 233.527	185.1	0.0017	0.00032 mg/L	18.68%
Be 313.107	648.3	0.0003	0.00003 mg/L	12.06%
Ca 227.547	16.6	0.2014	0.18959 mg/L	94.13%
Cd 228.802	14.3	0.0003	0.00029 mg/L	84.81%
Co 228.616	32.0	0.0009	0.00010 mg/L	11.05%
Cr 267.716	29.7	0.0007	0.00018 mg/L	27.62%
Cu 324.754	36.7	0.0003	0.00053 mg/L	159.58%
Fe 273.955	609.6	0.0293	0.00599 mg/L	20.42%
K 766.491	-123.4	0.0191	0.00488 mg/L	25.52%
Mg 279.079	754.9	0.0794	0.02502 mg/L	31.52%
Mn 257.610	460.5	0.0011	0.00018 mg/L	16.23%
Mo 202.030	17.7	0.0013	0.00059 mg/L	44.54%
Na 330.237	-62.1	0.1060	0.35519 mg/L	335.20%
Ni 231.604	24.0	0.0006	0.00011 mg/L	18.12%
Pb 220.353	-34.0	-0.0024	0.00165 mg/L	70.04%
Sb 206.833	-4.5	-0.0018	0.00286 mg/L	159.25%
Se 196.026	7.0	0.0021	0.00136 mg/L	63.53%
Tl 190.800	4.3	0.0014	0.00240 mg/L	171.00%
V 292.402	-16.6	-0.0002	0.00111 mg/L	653.93%
Zn 213.856	50.6	0.0010	0.00009 mg/L	9.01%

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

ID: M-BL 03M1374 Date: 04/25/03 11:50:46 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-308.7	111.9	0.0015	mg/L	0.0015	ppm
1	Al 308.215	463.4	65.2	0.0071	mg/L	0.0071	ppm
1	As 188.979	-4.3	1.2	0.0005	mg/L	0.0005	ppm
1	Ba 233.527	-406.5	28.3	0.0003	mg/L	0.0003	ppm
1	Be 313.107	-2210.9	175.2	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	-31.6	9.0	0.1100	mg/L	0.1100	ppm
1	Cd 228.802	128.3	-2.2	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	89.8	15.9	0.0004	mg/L	0.0004	ppm
1	Cr 267.716	-49.1	31.7	0.0007	mg/L	0.0007	ppm
1	Cu 324.754	601.1	77.7	0.0007	mg/L	0.0007	ppm
1	Fe 273.955	-182.0	13.1	0.0006	mg/L	0.0006	ppm
1	K 766.491	7406.6	-358.6	0.0144	mg/L	0.0144	ppm
1	Mg 279.079	-984.0	94.8	0.0100	mg/L	0.0100	ppm
1	Mn 257.610	-3408.9	73.0	0.0002	mg/L	0.0002	ppm
1	Mo 202.030	-134.7	-13.1	-0.0010	mg/L	-0.0010	ppm
1	Na 330.237	1277.6	-43.7	0.1496	mg/L	0.1496	ppm
1	Ni 231.604	-79.5	-7.7	-0.0002	mg/L	-0.0002	ppm
1	Pb 220.353	354.6	4.1	0.0003	mg/L	0.0003	ppm
1	Sb 206.833	29.7	-16.8	-0.0067	mg/L	-0.0067	ppm
1	Se 196.026	-7.0	0.8	0.0002	mg/L	0.0002	ppm
1	Tl 190.800	-45.2	-0.6	-0.0002	mg/L	-0.0002	ppm
1	V 292.402	184.7	-140.1	-0.0014	mg/L	-0.0014	ppm
1	Zn 213.856	-57.1	-7.2	-0.0001	mg/L	-0.0001	ppm
2	Ag 328.068	-436.5	-15.8	-0.0002	mg/L	-0.0002	ppm
2	Al 308.215	540.7	142.5	0.0156	mg/L	0.0156	ppm
2	As 188.979	-24.7	-19.2	-0.0071	mg/L	-0.0071	ppm
2	Ba 233.527	-420.0	14.8	0.0001	mg/L	0.0001	ppm
2	Be 313.107	-2220.2	165.9	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	-34.0	6.7	0.0817	mg/L	0.0817	ppm
2	Cd 228.802	133.9	3.5	0.0001	mg/L	0.0001	ppm
2	Co 228.616	110.5	36.6	0.0010	mg/L	0.0010	ppm
2	Cr 267.716	-68.6	12.1	0.0003	mg/L	0.0003	ppm
2	Cu 324.754	434.4	-88.9	-0.0008	mg/L	-0.0008	ppm
2	Fe 273.955	-157.3	37.8	0.0018	mg/L	0.0018	ppm
2	K 766.491	7204.6	-560.7	0.0104	mg/L	0.0104	ppm
2	Mg 279.079	-1040.1	38.7	0.0041	mg/L	0.0041	ppm
2	Mn 257.610	-3406.3	75.6	0.0002	mg/L	0.0002	ppm
2	Mo 202.030	-131.7	-10.0	-0.0007	mg/L	-0.0007	ppm
2	Na 330.237	1271.7	-49.6	0.1357	mg/L	0.1357	ppm
2	Ni 231.604	-34.4	37.5	0.0009	mg/L	0.0009	ppm
2	Pb 220.353	335.8	-14.7	-0.0010	mg/L	-0.0010	ppm
2	Sb 206.833	37.7	-8.8	-0.0035	mg/L	-0.0035	ppm
2	Se 196.026	-10.4	-2.6	-0.0008	mg/L	-0.0008	ppm
2	Tl 190.800	-44.0	0.6	0.0002	mg/L	0.0002	ppm
2	V 292.402	216.8	-108.1	-0.0011	mg/L	-0.0011	ppm

2	Zn 213.856	-56.8	-6.8	-0.0001 mg/L	-0.0001 ppm
3	Ag 328.068	-356.2	64.5	0.0009 mg/L	0.0009 ppm
3	Al 308.215	352.8	-45.4	-0.0050 mg/L	-0.0050 ppm
3	As 188.979	-19.5	-13.9	-0.0052 mg/L	-0.0052 ppm
3	Ba 233.527	-423.6	11.2	0.0001 mg/L	0.0001 ppm
3	Be 313.107	-2404.2	-18.1	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	-27.3	13.4	0.1632 mg/L	0.1632 ppm
3	Cd 228.802	121.7	-8.8	-0.0002 mg/L	-0.0002 ppm
3	Co 228.616	98.7	24.8	0.0007 mg/L	0.0007 ppm
3	Cr 267.716	-62.9	17.9	0.0004 mg/L	0.0004 ppm
3	Cu 324.754	603.6	80.2	0.0007 mg/L	0.0007 ppm
3	Fe 273.955	-172.8	22.3	0.0011 mg/L	0.0011 ppm
3	K 766.491	7701.7	-63.5	0.0203 mg/L	0.0203 ppm
3	Mg 279.079	-959.0	119.8	0.0126 mg/L	0.0126 ppm
3	Mn 257.610	-3403.8	78.1	0.0002 mg/L	0.0002 ppm
3	Mo 202.030	-122.8	-1.1	-0.0001 mg/L	-0.0001 ppm
3	Na 330.237	1262.2	-59.1	0.1131 mg/L	0.1131 ppm
3	Ni 231.604	-78.8	-7.0	-0.0002 mg/L	-0.0002 ppm
3	Pb 220.353	326.3	-24.2	-0.0017 mg/L	-0.0017 ppm
3	Sb 206.833	27.8	-18.8	-0.0075 mg/L	-0.0075 ppm
3	Se 196.026	-5.5	2.3	0.0007 mg/L	0.0007 ppm
3	Tl 190.800	-43.0	1.6	0.0005 mg/L	0.0005 ppm
3	V 292.402	254.4	-70.5	-0.0007 mg/L	-0.0007 ppm
3	Zn 213.856	-46.7	3.2	0.0001 mg/L	0.0001 ppm

Mean Data

ID: M-BL 03M1374 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: 04/25/03 11:50:46 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	53.5	0.0007	0.00087	mg/L	0.0007	0.00087	ppm	120.63%
Al 308.215	54.1	0.0059	0.01032	mg/L	0.0059	0.01032	ppm	174.64%
As 188.979	-10.6	-0.0040	0.00394	mg/L	-0.0040	0.00394	ppm	99.78%
Ba 233.527	18.1	0.0002	0.00008	mg/L	0.0002	0.00008	ppm	49.85%
Be 313.107	107.7	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	101.25%
Ca 227.547	9.7	0.1183	0.04137	mg/L	0.1183	0.04137	ppm	34.97%
Cd 228.802	-2.5	-0.0001	0.00015	mg/L	-0.0001	0.00015	ppm	248.66%
Co 228.616	25.8	0.0007	0.00029	mg/L	0.0007	0.00029	ppm	40.22%
Cr 267.716	20.6	0.0005	0.00022	mg/L	0.0005	0.00022	ppm	48.75%
Cu 324.754	23.0	0.0002	0.00087	mg/L	0.0002	0.00087	ppm	421.32%
Fe 273.955	24.4	0.0012	0.00060	mg/L	0.0012	0.00060	ppm	51.21%
K 766.491	-327.6	0.0150	0.00501	mg/L	0.0150	0.00501	ppm	33.29%
Mg 279.079	84.5	0.0089	0.00437	mg/L	0.0089	0.00437	ppm	49.18%
Mn 257.610	75.6	0.0002	0.00001	mg/L	0.0002	0.00001	ppm	3.36%
Mo 202.030	-8.1	-0.0006	0.00046	mg/L	-0.0006	0.00046	ppm	77.34%
Na 330.237	-50.8	0.1328	0.01841	mg/L	0.1328	0.01841	ppm	13.86%
Ni 231.604	7.6	0.0002	0.00065	mg/L	0.0002	0.00065	ppm	340.00%
Pb 220.353	-11.6	-0.0008	0.00100	mg/L	-0.0008	0.00100	ppm	123.91%
Sb 206.833	-14.8	-0.0059	0.00210	mg/L	-0.0059	0.00210	ppm	35.59%
Se 196.026	0.1	0.0000	0.00076	mg/L	0.0000	0.00076	ppm	>999.9%
Tl 190.800	0.5	0.0002	0.00037	mg/L	0.0002	0.00037	ppm	219.40%
V 292.402	-106.2	-0.0011	0.00036	mg/L	-0.0011	0.00036	ppm	32.81%
Zn 213.856	-3.6	-0.0001	0.00011	mg/L	-0.0001	0.00011	ppm	165.01%

Replicate Data

ID: LCS-03M1374 Date: 04/25/03 11:53:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	71661.1	72081.8	0.9664	mg/L	0.9664	ppm
1	Al 308.215	19936.8	19538.6	2.135	mg/L	2.135	ppm
1	As 188.979	1311.5	1317.1	0.4938	mg/L	0.4938	ppm
1	Ba 233.527	445174.2	445609.0	4.117	mg/L	4.117	ppm
1	Be 313.107	472447.7	474833.8	0.1943	mg/L	0.1943	ppm
1	Ca 227.547	1718.8	1759.4	21.41	mg/L	21.41	ppm
1	Cd 228.802	10653.4	10522.9	0.2545	mg/L	0.2545	ppm
1	Co 228.616	36237.5	36163.6	1.003	mg/L	1.003	ppm
1	Cr 267.716	44521.5	44602.3	0.9944	mg/L	0.9944	ppm
1	Cu 324.754	111119.9	110596.5	0.9917	mg/L	0.9917	ppm

1	Fe 273.955	20749.6	20944.7	0.9979 mg/L	0.9979 ppm
1	K 766.491	285049.8	277284.6	5.318 mg/L	5.318 ppm
1	Mg 279.079	89983.8	91062.6	9.576 mg/L	9.576 ppm
1	Mn 257.610	406526.6	410008.5	0.9782 mg/L	0.9782 ppm
1	Mo 202.030	26730.7	26852.4	2.000 mg/L	2.000 ppm
1	Na 330.237	19085.1	17763.8	40.99 mg/L	40.99 ppm
1	Ni 231.604	38803.8	38875.6	0.9812 mg/L	0.9812 ppm
1	Pb 220.353	44121.8	43771.2	3.034 mg/L	3.034 ppm
1	Sb 206.833	1265.8	1219.2	0.4863 mg/L	0.4863 ppm
1	Se 196.026	1652.3	1660.1	0.5099 mg/L	0.5099 ppm
1	Tl 190.800	1543.2	1587.8	0.5234 mg/L	0.5234 ppm
1	V 292.402	197277.1	196952.3	2.008 mg/L	2.008 ppm
1	Zn 213.856	25998.5	26048.5	0.4925 mg/L	0.4925 ppm
2	Ag 328.068	69131.3	69552.0	0.9325 mg/L	0.9325 ppm
2	Al 308.215	20217.8	19819.6	2.166 mg/L	2.166 ppm
2	As 188.979	1326.8	1332.3	0.4994 mg/L	0.4994 ppm
2	Ba 233.527	432725.8	433160.6	4.002 mg/L	4.002 ppm
2	Be 313.107	457020.3	459406.4	0.1880 mg/L	0.1880 ppm
2	Ca 227.547	1626.7	1667.4	20.29 mg/L	20.29 ppm
2	Cd 228.802	10609.1	10478.7	0.2534 mg/L	0.2534 ppm
2	Co 228.616	36727.0	36653.2	1.016 mg/L	1.016 ppm
2	Cr 267.716	43487.6	43568.4	0.9713 mg/L	0.9713 ppm
2	Cu 324.754	106848.7	106325.4	0.9534 mg/L	0.9534 ppm
2	Fe 273.955	20996.9	21192.0	1.010 mg/L	1.010 ppm
2	K 766.491	276254.8	268489.6	5.157 mg/L	5.157 ppm
2	Mg 279.079	87118.0	88196.8	9.274 mg/L	9.274 ppm
2	Mn 257.610	393781.6	397263.5	0.9478 mg/L	0.9478 ppm
2	Mo 202.030	27104.0	27225.7	2.027 mg/L	2.027 ppm
2	Na 330.237	18848.5	17527.2	40.46 mg/L	40.46 ppm
2	Ni 231.604	39248.6	39320.4	0.9924 mg/L	0.9924 ppm
2	Pb 220.353	44553.5	44202.9	3.064 mg/L	3.064 ppm
2	Sb 206.833	1241.4	1194.9	0.4766 mg/L	0.4766 ppm
2	Se 196.026	1596.1	1603.9	0.4927 mg/L	0.4927 ppm
2	Tl 190.800	1627.7	1672.3	0.5510 mg/L	0.5510 ppm
2	V 292.402	191113.7	190788.9	1.945 mg/L	1.945 ppm
2	Zn 213.856	26504.7	26554.7	0.5020 mg/L	0.5020 ppm
3	Ag 328.068	70138.6	70559.2	0.9460 mg/L	0.9460 ppm
3	Al 308.215	20218.3	19820.1	2.166 mg/L	2.166 ppm
3	As 188.979	1363.3	1368.8	0.5130 mg/L	0.5130 ppm
3	Ba 233.527	434212.9	434647.7	4.016 mg/L	4.016 ppm
3	Be 313.107	461931.2	464317.3	0.1900 mg/L	0.1900 ppm
3	Ca 227.547	1619.4	1660.1	20.20 mg/L	20.20 ppm
3	Cd 228.802	10642.0	10511.6	0.2542 mg/L	0.2542 ppm
3	Co 228.616	36571.0	36497.1	1.012 mg/L	1.012 ppm
3	Cr 267.716	43846.9	43927.6	0.9793 mg/L	0.9793 ppm
3	Cu 324.754	108861.0	108337.7	0.9714 mg/L	0.9714 ppm
3	Fe 273.955	20921.4	21116.5	1.006 mg/L	1.006 ppm
3	K 766.491	282069.2	274304.0	5.263 mg/L	5.263 ppm
3	Mg 279.079	87819.1	88898.0	9.348 mg/L	9.348 ppm
3	Mn 257.610	397497.5	400979.4	0.9566 mg/L	0.9566 ppm
3	Mo 202.030	26888.0	27009.7	2.011 mg/L	2.011 ppm
3	Na 330.237	19046.0	17724.7	40.90 mg/L	40.90 ppm
3	Ni 231.604	39134.4	39206.2	0.9895 mg/L	0.9895 ppm
3	Pb 220.353	44726.8	44376.3	3.076 mg/L	3.076 ppm
3	Sb 206.833	1349.2	1302.7	0.5196 mg/L	0.5196 ppm
3	Se 196.026	1627.7	1635.5	0.5024 mg/L	0.5024 ppm
3	Tl 190.800	1511.9	1556.5	0.5131 mg/L	0.5131 ppm
3	V 292.402	192456.4	192131.5	1.959 mg/L	1.959 ppm
3	Zn 213.856	26410.0	26460.0	0.5002 mg/L	0.5002 ppm

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

ID: LCS-03M1374 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: 04/25/03 11:53:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	70731.0	0.9483	0.01707	mg/L	0.9483	0.01707	ppm	1.80%
Al 308.215	19726.1	2.156	0.0177	mg/L	2.156	0.0177	ppm	0.82%
As 188.979	1339.4	0.5020	0.00985	mg/L	0.5020	0.00985	ppm	1.96%
Ba 233.527	437805.7	4.045	0.0628	mg/L	4.045	0.0628	ppm	1.55%

Be 313.107	466185.9	0.1908	0.00323 mg/L	0.1908	0.00323 ppm	1.69%
Ca 227.547	1695.6	20.63	0.674 mg/L	20.63	0.674 ppm	3.27%
Cd 228.802	10504.4	0.2540	0.00056 mg/L	0.2540	0.00056 ppm	0.22%
Co 228.616	36438.0	1.010	0.0069 mg/L	1.010	0.0069 ppm	0.69%
Cr 267.716	44032.8	0.9817	0.01170 mg/L	0.9817	0.01170 ppm	1.19%
Cu 324.754	108419.9	0.9721	0.01916 mg/L	0.9721	0.01916 ppm	1.97%
Fe 273.955	21084.4	1.005	0.0063 mg/L	1.005	0.0063 ppm	0.62%
K 766.491	273359.4	5.246	0.0818 mg/L	5.246	0.0818 ppm	1.56%
Mg 279.079	89385.8	9.399	0.1571 mg/L	9.399	0.1571 ppm	1.67%
Mn 257.610	402750.5	0.9609	0.01564 mg/L	0.9609	0.01564 ppm	1.63%
Mo 202.030	27029.2	2.013	0.0140 mg/L	2.013	0.0140 ppm	0.69%
Na 330.237	17671.9	40.78	0.282 mg/L	40.78	0.282 ppm	0.69%
Ni 231.604	39134.1	0.9877	0.00583 mg/L	0.9877	0.00583 ppm	0.59%
Pb 220.353	44116.8	3.058	0.0216 mg/L	3.058	0.0216 ppm	0.71%
Sb 206.833	1238.9	0.4942	0.02255 mg/L	0.4942	0.02255 ppm	4.56%
Se 196.026	1633.2	0.5016	0.00864 mg/L	0.5016	0.00864 ppm	1.72%
Tl 190.800	1605.5	0.5292	0.01960 mg/L	0.5292	0.01960 ppm	3.70%
V 292.402	193290.9	1.971	0.0330 mg/L	1.971	0.0330 ppm	1.68%
Zn 213.856	26354.4	0.4983	0.00509 mg/L	0.4983	0.00509 ppm	1.02%

Matrix Check Sample: LCS-03M1374

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9483	0.017	mg/L	94.755
Al 308.215	2.006	2.156	0.018	mg/L	107.485
As 188.979	0.4960	0.5020	0.010	mg/L	101.200
Ba 233.527	4.000	4.045	0.063	mg/L	101.114
Be 313.107	0.2000	0.1908	0.003	mg/L	95.368
Ca 227.547	20.12	20.63	0.674	mg/L	102.582
Cd 228.802	0.2499	0.2540	0.001	mg/L	101.637
Co 228.616	1.001	1.010	0.007	mg/L	100.940
Cr 267.716	1.000	0.9817	0.012	mg/L	98.123
Cu 324.754	1.000	0.9721	0.019	mg/L	97.193
Fe 273.955	1.001	1.005	0.006	mg/L	100.359
K 766.491	5.015	5.246	0.082	mg/L	104.618
Mg 279.079	10.01	9.399	0.157	mg/L	93.906
Mn 257.610	1.000	0.9609	0.016	mg/L	96.068
Mo 202.030	1.999	2.013	0.014	mg/L	100.665
Na 330.237	40.13	40.78	0.282	mg/L	101.625
Ni 231.604	1.000	0.9877	0.006	mg/L	98.752
Pb 220.353	2.999	3.058	0.022	mg/L	101.949
Sb 206.833	0.4941	0.4942	0.023	mg/L	100.014
Se 196.026	0.5000	0.5016	0.009	mg/L	100.320
Tl 190.800	0.5002	0.5292	0.020	mg/L	105.800
V 292.402	1.999	1.971	0.033	mg/L	98.583
Zn 213.856	0.4999	0.4983	0.005	mg/L	99.664

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

ID: LCSD-03M1374 Date: 04/25/03 11:56:29 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	68276.9	68697.6	0.9210	mg/L	0.9210	ppm
1	Al 308.215	19172.4	18774.2	2.052	mg/L	2.052	ppm
1	As 188.979	1252.9	1258.4	0.4718	mg/L	0.4718	ppm
1	Ba 233.527	424647.0	425081.8	3.927	mg/L	3.927	ppm
1	Be 313.107	450788.2	453174.3	0.1855	mg/L	0.1855	ppm
1	Ca 227.547	1568.5	1609.2	19.58	mg/L	19.58	ppm
1	Cd 228.802	10182.8	10052.3	0.2431	mg/L	0.2431	ppm
1	Co 228.616	34823.2	34749.3	0.9633	mg/L	0.9633	ppm
1	Cr 267.716	42658.7	42739.5	0.9529	mg/L	0.9529	ppm
1	Cu 324.754	105949.8	105426.4	0.9453	mg/L	0.9453	ppm
1	Fe 273.955	19908.9	20104.0	0.9579	mg/L	0.9579	ppm
1	K 766.491	270791.5	263026.3	5.057	mg/L	5.057	ppm
1	Mg 279.079	86254.0	87332.9	9.184	mg/L	9.184	ppm
1	Mn 257.610	388316.8	391798.7	0.9347	mg/L	0.9347	ppm
1	Mo 202.030	25517.8	25639.5	1.909	mg/L	1.909	ppm
1	Na 330.237	18258.1	16936.8	39.15	mg/L	39.15	ppm
1	Ni 231.604	37199.4	37271.2	0.9407	mg/L	0.9407	ppm
1	Pb 220.353	42189.6	41839.1	2.900	mg/L	2.900	ppm

1	Sb 206.833	1190.2	1143.6	0.4562 mg/L	0.4562 ppm
1	Se 196.026	1478.5	1486.3	0.4565 mg/L	0.4565 ppm
1	Tl 190.800	1489.2	1533.7	0.5056 mg/L	0.5056 ppm
1	V 292.402	188165.4	187840.6	1.915 mg/L	1.915 ppm
1	Zn 213.856	25078.7	25128.7	0.4751 mg/L	0.4751 ppm
2	Ag 328.068	69508.0	69928.7	0.9375 mg/L	0.9375 ppm
2	Al 308.215	19310.0	18911.8	2.067 mg/L	2.067 ppm
2	As 188.979	1331.5	1337.1	0.5011 mg/L	0.5011 ppm
2	Ba 233.527	430741.3	431176.0	3.983 mg/L	3.983 ppm
2	Be 313.107	458753.0	461139.1	0.1887 mg/L	0.1887 ppm
2	Ca 227.547	1594.3	1635.0	19.90 mg/L	19.90 ppm
2	Cd 228.802	10265.1	10134.6	0.2451 mg/L	0.2451 ppm
2	Co 228.616	35153.2	35079.3	0.9725 mg/L	0.9725 ppm
2	Cr 267.716	43541.5	43622.3	0.9725 mg/L	0.9725 ppm
2	Cu 324.754	107658.1	107134.8	0.9606 mg/L	0.9606 ppm
2	Fe 273.955	20213.0	20408.1	0.9723 mg/L	0.9723 ppm
2	K 766.491	275548.0	267782.8	5.144 mg/L	5.144 ppm
2	Mg 279.079	87089.0	88167.8	9.271 mg/L	9.271 ppm
2	Mn 257.610	394198.4	397680.3	0.9488 mg/L	0.9488 ppm
2	Mo 202.030	26099.4	26221.1	1.953 mg/L	1.953 ppm
2	Na 330.237	18597.8	17276.5	39.90 mg/L	39.90 ppm
2	Ni 231.604	37730.3	37802.2	0.9541 mg/L	0.9541 ppm
2	Pb 220.353	43212.8	42862.3	2.971 mg/L	2.971 ppm
2	Sb 206.833	1219.9	1173.4	0.4680 mg/L	0.4680 ppm
2	Se 196.026	1564.0	1571.8	0.4828 mg/L	0.4828 ppm
2	Tl 190.800	1480.2	1524.8	0.5027 mg/L	0.5027 ppm
2	V 292.402	191836.7	191511.9	1.952 mg/L	1.952 ppm
2	Zn 213.856	25594.8	25644.7	0.4848 mg/L	0.4848 ppm
3	Ag 328.068	70630.4	71051.0	0.9526 mg/L	0.9526 ppm
3	Al 308.215	19680.5	19282.3	2.107 mg/L	2.107 ppm
3	As 188.979	1291.4	1296.9	0.4863 mg/L	0.4863 ppm
3	Ba 233.527	433881.7	434316.5	4.013 mg/L	4.013 ppm
3	Be 313.107	466575.0	468961.1	0.1919 mg/L	0.1919 ppm
3	Ca 227.547	1630.1	1670.8	20.33 mg/L	20.33 ppm
3	Cd 228.802	10376.2	10245.8	0.2478 mg/L	0.2478 ppm
3	Co 228.616	35349.5	35275.6	0.9779 mg/L	0.9779 ppm
3	Cr 267.716	44371.3	44452.1	0.9910 mg/L	0.9910 ppm
3	Cu 324.754	109543.9	109020.6	0.9775 mg/L	0.9775 ppm
3	Fe 273.955	20331.2	20526.3	0.9779 mg/L	0.9779 ppm
3	K 766.491	281029.2	273264.0	5.244 mg/L	5.244 ppm
3	Mg 279.079	88685.1	89763.9	9.439 mg/L	9.439 ppm
3	Mn 257.610	398455.4	401937.3	0.9589 mg/L	0.9589 ppm
3	Mo 202.030	26266.2	26387.9	1.965 mg/L	1.965 ppm
3	Na 330.237	18680.3	17359.0	40.09 mg/L	40.09 ppm
3	Ni 231.604	38085.6	38157.4	0.9631 mg/L	0.9631 ppm
3	Pb 220.353	43652.1	43301.6	3.001 mg/L	3.001 ppm
3	Sb 206.833	1284.8	1238.2	0.4939 mg/L	0.4939 ppm
3	Se 196.026	1613.0	1620.8	0.4979 mg/L	0.4979 ppm
3	Tl 190.800	1497.3	1541.9	0.5083 mg/L	0.5083 ppm
3	V 292.402	195366.8	195042.0	1.988 mg/L	1.988 ppm
3	Zn 213.856	25781.1	25831.1	0.4884 mg/L	0.4884 ppm

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

ID: LCSD-03M1374 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: 04/25/03 11:56:29 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	69892.4	0.9370	0.01578	mg/L	0.9370	0.01578	ppm	1.68%
Al 308.215	18989.4	2.075	0.0287	mg/L	2.075	0.0287	ppm	1.38%
As 188.979	1297.5	0.4864	0.01465	mg/L	0.4864	0.01465	ppm	3.01%
Ba 233.527	430191.5	3.974	0.0434	mg/L	3.974	0.0434	ppm	1.09%
Be 313.107	461091.5	0.1887	0.00323	mg/L	0.1887	0.00323	ppm	1.71%
Ca 227.547	1638.3	19.94	0.376	mg/L	19.94	0.376	ppm	1.89%
Cd 228.802	10144.2	0.2453	0.00235	mg/L	0.2453	0.00235	ppm	0.96%
Co 228.616	35034.8	0.9712	0.00737	mg/L	0.9712	0.00737	ppm	0.76%
Cr 267.716	43604.6	0.9721	0.01909	mg/L	0.9721	0.01909	ppm	1.96%
Cu 324.754	107193.9	0.9611	0.01612	mg/L	0.9611	0.01612	ppm	1.68%
Fe 273.955	20346.1	0.9694	0.01031	mg/L	0.9694	0.01031	ppm	1.06%
K 766.491	268024.3	5.148	0.0938	mg/L	5.148	0.0938	ppm	1.82%

Mg 279.079	88421.5	9.298	0.1299 mg/L	9.298	0.1299 ppm	1.40%
Mn 257.610	397138.8	0.9475	0.01215 mg/L	0.9475	0.01215 ppm	1.28%
Mo 202.030	26082.8	1.942	0.0293 mg/L	1.942	0.0293 ppm	1.51%
Na 330.237	17190.8	39.71	0.498 mg/L	39.71	0.498 ppm	1.25%
Ni 231.604	37743.6	0.9526	0.01126 mg/L	0.9526	0.01126 ppm	1.18%
Pb 220.353	42667.7	2.957	0.0520 mg/L	2.957	0.0520 ppm	1.76%
Sb 206.833	1185.1	0.4727	0.01929 mg/L	0.4727	0.01929 ppm	4.08%
Se 196.026	1559.7	0.4791	0.02091 mg/L	0.4791	0.02091 ppm	4.36%
Tl 190.800	1533.5	0.5055	0.00282 mg/L	0.5055	0.00282 ppm	0.56%
V 292.402	191464.8	1.952	0.0367 mg/L	1.952	0.0367 ppm	1.88%
Zn 213.856	25534.8	0.4828	0.00688 mg/L	0.4828	0.00688 ppm	1.43%

Matrix Check Sample: LCSD-03M1374

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9370	0.016	mg/L	93.630
Al 308.215	2.006	2.075	0.029	mg/L	103.460
As 188.979	0.4960	0.4864	0.015	mg/L	98.076
Ba 233.527	4.000	3.974	0.043	mg/L	99.356
Be 313.107	0.2000	0.1887	0.003	mg/L	94.326
Ca 227.547	20.12	19.94	0.376	mg/L	99.094
Cd 228.802	0.2499	0.2453	0.002	mg/L	98.153
Co 228.616	1.001	0.9712	0.007	mg/L	97.050
Cr 267.716	1.000	0.9721	0.019	mg/L	97.168
Cu 324.754	1.000	0.9611	0.016	mg/L	96.094
Fe 273.955	1.001	0.9694	0.010	mg/L	96.819
K 766.491	5.015	5.148	0.094	mg/L	102.665
Mg 279.079	10.01	9.298	0.130	mg/L	92.892
Mn 257.610	1.000	0.9475	0.012	mg/L	94.729
Mo 202.030	1.999	1.942	0.029	mg/L	97.141
Na 330.237	40.13	39.71	0.498	mg/L	98.950
Ni 231.604	1.000	0.9526	0.011	mg/L	95.242
Pb 220.353	2.999	2.957	0.052	mg/L	98.601
Sb 206.833	0.4941	0.4727	0.019	mg/L	95.718
Se 196.026	0.5000	0.4791	0.021	mg/L	95.804
Tl 190.800	0.5002	0.5055	0.003	mg/L	101.073
V 292.402	1.999	1.952	0.037	mg/L	97.652
Zn 213.856	0.4999	0.4828	0.007	mg/L	96.565

Replicate Data ----------
ID: 2842-8 S F=1 Date: 04/25/03 11:59:21 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-419.3	1.3	0.0000	mg/L	0.0000	ppm
1	Al 308.215	756.3	358.1	0.0391	mg/L	0.0391	ppm
1	As 188.979	-6.7	-1.2	-0.0004	mg/L	-0.0004	ppm
1	Ba 233.527	6994.5	7429.3	0.0686	mg/L	0.0686	ppm
1	Be 313.107	-2122.8	263.3	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	1631.4	1672.1	20.35	mg/L	20.35	ppm
1	Cd 228.802	133.3	2.9	0.0001	mg/L	0.0001	ppm
1	Co 228.616	63.6	-10.3	-0.0003	mg/L	-0.0003	ppm
1	Cr 267.716	16.4	97.1	0.0022	mg/L	0.0022	ppm
1	Cu 324.754	678.3	155.0	0.0014	mg/L	0.0014	ppm
1	Fe 273.955	19583.7	19778.8	0.9512	mg/L	0.9512	ppm
1	K 766.491	1817221.4	1809456.1	28.75	mg/L	28.75	ppm
1	Mg 279.079	217114.4	218193.2	22.94	mg/L	22.94	ppm
1	Mn 257.610	24446.8	27928.7	0.0666	mg/L	0.0666	ppm
1	Mo 202.030	229.5	351.2	0.0262	mg/L	0.0262	ppm
1	Na 330.237	101202.4	99881.1	203.2	mg/L	203.2	ppm
1	Ni 231.604	4.5	76.4	0.0019	mg/L	0.0019	ppm
1	Pb 220.353	325.9	-24.6	-0.0017	mg/L	-0.0017	ppm
1	Sb 206.833	38.2	-8.3	-0.0033	mg/L	-0.0033	ppm
1	Se 196.026	-7.4	0.4	0.0001	mg/L	0.0001	ppm
1	Tl 190.800	-48.6	-4.0	-0.0013	mg/L	-0.0013	ppm
1	V 292.402	687.5	362.7	0.0037	mg/L	0.0037	ppm
1	Zn 213.856	171.4	221.4	0.0042	mg/L	0.0042	ppm
2	Ag 328.068	-342.2	78.5	0.0011	mg/L	0.0011	ppm
2	Al 308.215	843.2	445.0	0.0486	mg/L	0.0486	ppm

2	As 188.979	-6.8	-1.3	-0.0005 mg/L	-0.0005 ppm
2	Ba 233.527	6747.4	7182.2	0.0664 mg/L	0.0664 ppm
2	Be 313.107	-2349.5	36.6	0.0000 mg/L	0.0000 ppm
2	Ca 227.547	1628.4	1669.1	20.31 mg/L	20.31 ppm
2	Cd 228.802	125.2	-5.2	-0.0001 mg/L	-0.0001 ppm
2	Co 228.616	86.6	12.8	0.0004 mg/L	0.0004 ppm
2	Cr 267.716	-3.6	77.2	0.0017 mg/L	0.0017 ppm
2	Cu 324.754	726.8	203.5	0.0018 mg/L	0.0018 ppm
2	Fe 273.955	18807.3	19002.4	0.9138 mg/L	0.9138 ppm
2	K 766.491	1796709.9	1788944.7	28.48 mg/L	28.48 ppm
2	Mg 279.079	207562.5	208641.4	21.94 mg/L	21.94 ppm
2	Mn 257.610	22957.0	26438.9	0.0631 mg/L	0.0631 ppm
2	Mo 202.030	216.8	338.5	0.0252 mg/L	0.0252 ppm
2	Na 330.237	98865.4	97544.1	199.1 mg/L	199.1 ppm
2	Ni 231.604	9.8	81.6	0.0021 mg/L	0.0021 ppm
2	Pb 220.353	346.8	-3.7	-0.0003 mg/L	-0.0003 ppm
2	Sb 206.833	39.4	-7.2	-0.0029 mg/L	-0.0029 ppm
2	Se 196.026	11.2	19.0	0.0058 mg/L	0.0058 ppm
2	Tl 190.800	-47.0	-2.4	-0.0008 mg/L	-0.0008 ppm
2	V 292.402	600.2	275.4	0.0028 mg/L	0.0028 ppm
2	Zn 213.856	158.0	208.0	0.0039 mg/L	0.0039 ppm
3	Ag 328.068	-379.0	41.6	0.0006 mg/L	0.0006 ppm
3	Al 308.215	704.2	306.0	0.0334 mg/L	0.0334 ppm
3	As 188.979	-4.4	1.1	0.0004 mg/L	0.0004 ppm
3	Ba 233.527	6681.1	7115.9	0.0657 mg/L	0.0657 ppm
3	Be 313.107	-2292.2	93.9	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	1578.4	1619.1	19.70 mg/L	19.70 ppm
3	Cd 228.802	142.8	12.3	0.0003 mg/L	0.0003 ppm
3	Co 228.616	83.4	9.5	0.0003 mg/L	0.0003 ppm
3	Cr 267.716	29.3	110.1	0.0025 mg/L	0.0025 ppm
3	Cu 324.754	784.4	261.1	0.0023 mg/L	0.0023 ppm
3	Fe 273.955	18877.0	19072.1	0.9172 mg/L	0.9172 ppm
3	K 766.491	1830304.2	1822539.0	28.92 mg/L	28.92 ppm
3	Mg 279.079	209684.3	210763.2	22.16 mg/L	22.16 ppm
3	Mn 257.610	23215.8	26697.7	0.0637 mg/L	0.0637 ppm
3	Mo 202.030	218.0	339.7	0.0253 mg/L	0.0253 ppm
3	Na 330.237	101580.0	100258.7	203.9 mg/L	203.9 ppm
3	Ni 231.604	33.9	105.8	0.0027 mg/L	0.0027 ppm
3	Pb 220.353	333.6	-17.0	-0.0012 mg/L	-0.0012 ppm
3	Sb 206.833	47.6	1.0	0.0004 mg/L	0.0004 ppm
3	Se 196.026	-6.1	1.7	0.0005 mg/L	0.0005 ppm
3	Tl 190.800	-51.0	-6.4	-0.0021 mg/L	-0.0021 ppm
3	V 292.402	606.4	281.5	0.0029 mg/L	0.0029 ppm
3	Zn 213.856	149.1	199.1	0.0038 mg/L	0.0038 ppm

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

ID: 2842-8 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: 04/25/03 11:59:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	40.5	0.0005	0.00052	mg/L	0.0005	0.00052	ppm	95.35%
Al 308.215	369.7	0.0404	0.00767	mg/L	0.0404	0.00767	ppm	19.00%
As 188.979	-0.5	-0.0002	0.00050	mg/L	-0.0002	0.00050	ppm	290.72%
Ba 233.527	7242.4	0.0669	0.00153	mg/L	0.0669	0.00153	ppm	2.28%
Be 313.107	131.3	0.0001	0.00005	mg/L	0.0001	0.00005	ppm	89.83%
Ca 227.547	1653.4	20.12	0.362	mg/L	20.12	0.362	ppm	1.80%
Cd 228.802	3.3	0.0001	0.00021	mg/L	0.0001	0.00021	ppm	262.83%
Co 228.616	4.0	0.0001	0.00035	mg/L	0.0001	0.00035	ppm	312.31%
Cr 267.716	94.8	0.0021	0.00037	mg/L	0.0021	0.00037	ppm	17.49%
Cu 324.754	206.5	0.0019	0.00048	mg/L	0.0019	0.00048	ppm	25.71%
Fe 273.955	19284.4	0.9274	0.02067	mg/L	0.9274	0.02067	ppm	2.23%
K 766.491	1806979.9	28.71	0.223	mg/L	28.71	0.223	ppm	0.78%
Mg 279.079	212532.6	22.35	0.527	mg/L	22.35	0.527	ppm	2.36%
Mn 257.610	27021.8	0.0645	0.00190	mg/L	0.0645	0.00190	ppm	2.95%
Mo 202.030	343.1	0.0256	0.00052	mg/L	0.0256	0.00052	ppm	2.04%
Na 330.237	99228.0	202.1	2.62	mg/L	202.1	2.62	ppm	1.30%
Ni 231.604	87.9	0.0022	0.00040	mg/L	0.0022	0.00040	ppm	17.82%
Pb 220.353	-15.1	-0.0010	0.00073	mg/L	-0.0010	0.00073	ppm	70.05%
Sb 206.833	-4.8	-0.0019	0.00203	mg/L	-0.0019	0.00203	ppm	105.31%
Se 196.026	7.0	0.0022	0.00320	mg/L	0.0022	0.00320	ppm	148.25%

Tl 190.800	-4.3	-0.0014	0.00066 mg/L	-0.0014	0.00066 ppm	46.63%
V 292.402	306.5	0.0031	0.00050 mg/L	0.0031	0.00050 ppm	15.90%
Zn 213.856	209.5	0.0040	0.00021 mg/L	0.0040	0.00021 ppm	5.36%

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

ID: 2842-8 D F=1 Date: 04/25/03 12:02:55 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-222.6	198.0	0.0027	mg/L	0.0027	ppm
1	Al 308.215	812.2	414.0	0.0452	mg/L	0.0452	ppm
1	As 188.979	-10.9	-5.4	-0.0020	mg/L	-0.0020	ppm
1	Ba 233.527	6978.2	7412.9	0.0685	mg/L	0.0685	ppm
1	Be 313.107	-2263.2	122.9	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	1598.0	1638.7	19.94	mg/L	19.94	ppm
1	Cd 228.802	127.1	-3.3	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	69.9	-3.9	-0.0001	mg/L	-0.0001	ppm
1	Cr 267.716	37.5	118.3	0.0026	mg/L	0.0026	ppm
1	Cu 324.754	608.7	85.3	0.0008	mg/L	0.0008	ppm
1	Fe 273.955	20411.5	20606.6	0.9911	mg/L	0.9911	ppm
1	K 766.491	1822761.8	1814996.6	28.82	mg/L	28.82	ppm
1	Mg 279.079	223335.9	224414.8	23.60	mg/L	23.60	ppm
1	Mn 257.610	25114.1	28596.0	0.0682	mg/L	0.0682	ppm
1	Mo 202.030	213.8	335.5	0.0250	mg/L	0.0250	ppm
1	Na 330.237	104137.6	102816.3	208.4	mg/L	208.4	ppm
1	Ni 231.604	6.8	78.6	0.0020	mg/L	0.0020	ppm
1	Pb 220.353	336.3	-14.3	-0.0010	mg/L	-0.0010	ppm
1	Sb 206.833	41.7	-4.9	-0.0020	mg/L	-0.0020	ppm
1	Se 196.026	7.9	15.7	0.0048	mg/L	0.0048	ppm
1	Tl 190.800	-46.5	-1.9	-0.0006	mg/L	-0.0006	ppm
1	V 292.402	670.7	345.9	0.0035	mg/L	0.0035	ppm
1	Zn 213.856	160.6	210.6	0.0040	mg/L	0.0040	ppm
2	Ag 328.068	-164.2	256.4	0.0034	mg/L	0.0034	ppm
2	Al 308.215	784.0	385.8	0.0422	mg/L	0.0422	ppm
2	As 188.979	-2.2	3.3	0.0012	mg/L	0.0012	ppm
2	Ba 233.527	6683.9	7118.7	0.0658	mg/L	0.0658	ppm
2	Be 313.107	-2323.3	62.8	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	1566.9	1607.6	19.56	mg/L	19.56	ppm
2	Cd 228.802	116.0	-14.4	-0.0003	mg/L	-0.0003	ppm
2	Co 228.616	70.4	-3.4	-0.0001	mg/L	-0.0001	ppm
2	Cr 267.716	4.5	85.3	0.0019	mg/L	0.0019	ppm
2	Cu 324.754	700.9	177.6	0.0016	mg/L	0.0016	ppm
2	Fe 273.955	19380.1	19575.2	0.9414	mg/L	0.9414	ppm
2	K 766.491	1797402.6	1789637.4	28.49	mg/L	28.49	ppm
2	Mg 279.079	214335.6	215414.4	22.65	mg/L	22.65	ppm
2	Mn 257.610	23700.9	27182.7	0.0649	mg/L	0.0649	ppm
2	Mo 202.030	213.1	334.8	0.0249	mg/L	0.0249	ppm
2	Na 330.237	102736.3	101414.9	206.0	mg/L	206.0	ppm
2	Ni 231.604	12.0	83.8	0.0021	mg/L	0.0021	ppm
2	Pb 220.353	364.4	13.9	0.0010	mg/L	0.0010	ppm
2	Sb 206.833	35.8	-10.7	-0.0043	mg/L	-0.0043	ppm
2	Se 196.026	-7.4	0.4	0.0001	mg/L	0.0001	ppm
2	Tl 190.800	-53.3	-8.8	-0.0029	mg/L	-0.0029	ppm
2	V 292.402	661.7	336.8	0.0034	mg/L	0.0034	ppm
2	Zn 213.856	154.3	204.3	0.0039	mg/L	0.0039	ppm
3	Ag 328.068	-421.3	-0.6	0.0000	mg/L	0.0000	ppm
3	Al 308.215	800.0	401.9	0.0439	mg/L	0.0439	ppm
3	As 188.979	-9.1	-3.6	-0.0013	mg/L	-0.0013	ppm
3	Ba 233.527	6618.6	7053.4	0.0652	mg/L	0.0652	ppm
3	Be 313.107	-2187.9	198.2	0.0001	mg/L	0.0001	ppm
3	Ca 227.547	1551.5	1592.1	19.38	mg/L	19.38	ppm
3	Cd 228.802	131.2	0.7	0.0000	mg/L	0.0000	ppm
3	Co 228.616	67.5	-6.3	-0.0002	mg/L	-0.0002	ppm
3	Cr 267.716	12.2	93.0	0.0021	mg/L	0.0021	ppm
3	Cu 324.754	746.0	222.6	0.0020	mg/L	0.0020	ppm
3	Fe 273.955	19451.0	19646.1	0.9449	mg/L	0.9449	ppm
3	K 766.491	1784571.2	1776805.9	28.32	mg/L	28.32	ppm
3	Mg 279.079	214647.5	215726.3	22.68	mg/L	22.68	ppm
3	Mn 257.610	23637.1	27118.9	0.0647	mg/L	0.0647	ppm
3	Mo 202.030	215.9	337.6	0.0251	mg/L	0.0251	ppm

3 Na 330.237	102732.8	101411.5	206.0 mg/L	206.0 ppm
3 Ni 231.604	3.2	75.0	0.0019 mg/L	0.0019 ppm
3 Pb 220.353	351.8	1.3	0.0001 mg/L	0.0001 ppm
3 Sb 206.833	50.0	3.4	0.0014 mg/L	0.0014 ppm
3 Se 196.026	-5.7	2.1	0.0007 mg/L	0.0007 ppm
3 Tl 190.800	-45.6	-1.1	-0.0003 mg/L	-0.0003 ppm
3 V 292.402	516.9	192.1	0.0020 mg/L	0.0020 ppm
3 Zn 213.856	145.2	195.2	0.0037 mg/L	0.0037 ppm

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

ID: 2842-8 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: 04/25/03 12:02:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	151.3	0.0020	0.00181	mg/L	0.0020	0.00181	ppm	89.07%
Al 308.215	400.5	0.0438	0.00155	mg/L	0.0438	0.00155	ppm	3.53%
As 188.979	-1.9	-0.0007	0.00170	mg/L	-0.0007	0.00170	ppm	240.52%
Ba 233.527	7195.0	0.0665	0.00177	mg/L	0.0665	0.00177	ppm	2.66%
Be 313.107	128.0	0.0001	0.00003	mg/L	0.0001	0.00003	ppm	53.02%
Ca 227.547	1612.8	19.63	0.289	mg/L	19.63	0.289	ppm	1.47%
Cd 228.802	-5.7	-0.0001	0.00019	mg/L	-0.0001	0.00019	ppm	138.55%
Co 228.616	-4.6	-0.0001	0.00004	mg/L	-0.0001	0.00004	ppm	34.49%
Cr 267.716	98.9	0.0022	0.00039	mg/L	0.0022	0.00039	ppm	17.47%
Cu 324.754	161.8	0.0015	0.00063	mg/L	0.0015	0.00063	ppm	43.25%
Fe 273.955	19942.6	0.9591	0.02772	mg/L	0.9591	0.02772	ppm	2.89%
K 766.491	1793813.3	28.54	0.256	mg/L	28.54	0.256	ppm	0.90%
Mg 279.079	218518.5	22.98	0.537	mg/L	22.98	0.537	ppm	2.34%
Mn 257.610	27632.5	0.0659	0.00199	mg/L	0.0659	0.00199	ppm	3.02%
Mo 202.030	335.9	0.0250	0.00011	mg/L	0.0250	0.00011	ppm	0.44%
Na 330.237	101880.9	206.8	1.43	mg/L	206.8	1.43	ppm	0.69%
Ni 231.604	79.2	0.0020	0.00011	mg/L	0.0020	0.00011	ppm	5.59%
Pb 220.353	0.3	0.0000	0.00098	mg/L	0.0000	0.00098	ppm	>999.9%
Sb 206.833	-4.1	-0.0016	0.00283	mg/L	-0.0016	0.00283	ppm	174.38%
Se 196.026	6.1	0.0019	0.00257	mg/L	0.0019	0.00257	ppm	138.31%
Tl 190.800	-3.9	-0.0013	0.00138	mg/L	-0.0013	0.00138	ppm	107.42%
V 292.402	291.6	0.0030	0.00088	mg/L	0.0030	0.00088	ppm	29.60%
Zn 213.856	203.3	0.0038	0.00015	mg/L	0.0038	0.00015	ppm	3.80%

Matrix Check Sample: 2842-8 D F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	Relative % Diff.
Ag 328.068	0.0005	0.0020	0.002	mg/L	115.549
Al 308.215	0.0404	0.0438	0.002	mg/L	8.012
As 188.979	-0.0002	-0.0007	0.002	mg/L	-121.795
Ba 233.527	0.0669	0.0665	0.002	mg/L	0.657
Be 313.107	0.0001	0.0001	0.000	mg/L	2.552
Ca 227.547	20.12	19.63	0.289	mg/L	2.486
Cd 228.802	0.0001	-0.0001	0.000	mg/L	-776.780
Co 228.616	0.0001	-0.0001	0.000	mg/L	-3063.177
Cr 267.716	0.0021	0.0022	0.000	mg/L	4.197
Cu 324.754	0.0019	0.0015	0.001	mg/L	24.256
Fe 273.955	0.9274	0.9591	0.028	mg/L	3.359
K 766.491	28.71	28.54	0.256	mg/L	0.606
Mg 279.079	22.35	22.98	0.537	mg/L	2.777
Mn 257.610	0.0645	0.0659	0.002	mg/L	2.235
Mo 202.030	0.0256	0.0250	0.000	mg/L	2.120
Na 330.237	202.1	206.8	1.434	mg/L	2.306
Ni 231.604	0.0022	0.0020	0.000	mg/L	10.467
Pb 220.353	-0.0010	0.0000	0.001	mg/L	-207.951
Sb 206.833	-0.0019	-0.0016	0.003	mg/L	-17.025
Se 196.026	0.0022	0.0019	0.003	mg/L	14.804
Tl 190.800	-0.0014	-0.0013	0.001	mg/L	-9.273
V 292.402	0.0031	0.0030	0.001	mg/L	4.990
Zn 213.856	0.0040	0.0038	0.000	mg/L	2.985

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

ID: 2842-8 1/5 F=5 Date: 04/25/03 12:06:31 PM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Ag 328.068	-345.9	74.7	0.0010	mg/L	0.0050	ppm
1	Al 308.215	559.6	161.4	0.0176	mg/L	0.0882	ppm
1	As 188.979	-2.9	2.6	0.0010	mg/L	0.0048	ppm
1	Ba 233.527	1038.8	1473.6	0.0136	mg/L	0.0681	ppm
1	Be 313.107	-2515.9	-129.8	-0.0001	mg/L	-0.0003	ppm
1	Ca 227.547	311.5	352.2	4.286	mg/L	21.43	ppm
1	Cd 228.802	123.1	-7.3	-0.0002	mg/L	-0.0009	ppm
1	Co 228.616	82.2	8.4	0.0002	mg/L	0.0012	ppm
1	Cr 267.716	-51.3	29.5	0.0007	mg/L	0.0033	ppm
1	Cu 324.754	568.0	44.6	0.0004	mg/L	0.0020	ppm
1	Fe 273.955	3812.9	4008.0	0.1927	mg/L	0.9634	ppm
1	K 766.491	293291.2	285526.0	5.468	mg/L	27.34	ppm
1	Mg 279.079	43522.4	44601.2	4.690	mg/L	23.45	ppm
1	Mn 257.610	2146.1	5628.0	0.0134	mg/L	0.0671	ppm
1	Mo 202.030	-54.0	67.6	0.0050	mg/L	0.0252	ppm
1	Na 330.237	19836.4	18515.1	42.65	mg/L	213.3	ppm
1	Ni 231.604	-55.3	16.5	0.0004	mg/L	0.0021	ppm
1	Pb 220.353	361.9	11.4	0.0008	mg/L	0.0039	ppm
1	Sb 206.833	39.5	-7.0	-0.0028	mg/L	-0.0140	ppm
1	Se 196.026	-5.4	2.4	0.0007	mg/L	0.0037	ppm
1	Tl 190.800	-40.2	4.4	0.0014	mg/L	0.0072	ppm
1	V 292.402	249.6	-75.2	-0.0008	mg/L	-0.0038	ppm
1	Zn 213.856	27.8	77.8	0.0015	mg/L	0.0074	ppm
2	Ag 328.068	-386.3	34.3	0.0005	mg/L	0.0023	ppm
2	Al 308.215	1019.6	621.5	0.0679	mg/L	0.3396	ppm
2	As 188.979	-8.9	-3.3	-0.0012	mg/L	-0.0062	ppm
2	Ba 233.527	996.5	1431.3	0.0132	mg/L	0.0661	ppm
2	Be 313.107	-2300.8	85.3	0.0000	mg/L	0.0002	ppm
2	Ca 227.547	307.7	348.4	4.239	mg/L	21.20	ppm
2	Cd 228.802	121.5	-8.9	-0.0002	mg/L	-0.0011	ppm
2	Co 228.616	73.3	-0.6	0.0000	mg/L	-0.0001	ppm
2	Cr 267.716	-19.1	61.7	0.0014	mg/L	0.0069	ppm
2	Cu 324.754	796.0	272.6	0.0024	mg/L	0.0122	ppm
2	Fe 273.955	3665.5	3860.6	0.1856	mg/L	0.9279	ppm
2	K 766.491	287468.9	279703.7	5.362	mg/L	26.81	ppm
2	Mg 279.079	40401.5	41480.4	4.362	mg/L	21.81	ppm
2	Mn 257.610	1992.8	5474.7	0.0131	mg/L	0.0653	ppm
2	Mo 202.030	-49.0	72.7	0.0054	mg/L	0.0271	ppm
2	Na 330.237	18743.3	17422.0	40.23	mg/L	201.1	ppm
2	Ni 231.604	-45.3	26.5	0.0007	mg/L	0.0033	ppm
2	Pb 220.353	325.4	-25.1	-0.0017	mg/L	-0.0087	ppm
2	Sb 206.833	28.3	-18.2	-0.0073	mg/L	-0.0363	ppm
2	Se 196.026	-5.4	2.4	0.0007	mg/L	0.0037	ppm
2	Tl 190.800	-44.4	0.2	0.0001	mg/L	0.0003	ppm
2	V 292.402	286.1	-38.7	-0.0004	mg/L	-0.0020	ppm
2	Zn 213.856	29.5	79.5	0.0015	mg/L	0.0075	ppm
3	Ag 328.068	-453.9	-33.2	-0.0004	mg/L	-0.0022	ppm
3	Al 308.215	558.0	159.8	0.0175	mg/L	0.0873	ppm
3	As 188.979	2.7	8.2	0.0030	mg/L	0.0152	ppm
3	Ba 233.527	994.2	1429.0	0.0132	mg/L	0.0660	ppm
3	Be 313.107	-2323.0	63.1	0.0000	mg/L	0.0001	ppm
3	Ca 227.547	306.0	346.7	4.219	mg/L	21.10	ppm
3	Cd 228.802	129.9	-0.6	0.0000	mg/L	-0.0001	ppm
3	Co 228.616	77.4	3.5	0.0001	mg/L	0.0005	ppm
3	Cr 267.716	-51.0	29.8	0.0007	mg/L	0.0033	ppm
3	Cu 324.754	467.5	-55.8	-0.0005	mg/L	-0.0025	ppm
3	Fe 273.955	3639.1	3834.2	0.1843	mg/L	0.9216	ppm
3	K 766.491	283438.6	275673.4	5.288	mg/L	26.44	ppm
3	Mg 279.079	39418.7	40497.6	4.259	mg/L	21.29	ppm
3	Mn 257.610	1966.9	5448.8	0.0130	mg/L	0.0650	ppm
3	Mo 202.030	-60.7	61.0	0.0045	mg/L	0.0227	ppm
3	Na 330.237	18259.6	16938.3	39.15	mg/L	195.8	ppm
3	Ni 231.604	-64.0	7.9	0.0002	mg/L	0.0010	ppm
3	Pb 220.353	327.6	-22.9	-0.0016	mg/L	-0.0079	ppm
3	Sb 206.833	36.1	-10.5	-0.0042	mg/L	-0.0209	ppm
3	Se 196.026	-4.5	3.3	0.0010	mg/L	0.0051	ppm
3	Tl 190.800	-45.7	-1.1	-0.0004	mg/L	-0.0018	ppm
3	V 292.402	297.5	-27.4	-0.0003	mg/L	-0.0014	ppm
3	Zn 213.856	14.6	64.6	0.0012	mg/L	0.0061	ppm

Mean Data

ID: 2842-8 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: 04/25/03 12:06:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	25.3	0.0003	0.00073	mg/L	0.0017	0.00366	ppm	215.67%
Al 308.215	314.2	0.0343	0.02907	mg/L	0.1717	0.14537	ppm	84.67%
As 188.979	2.5	0.0009	0.00214	mg/L	0.0046	0.01071	ppm	233.15%
Ba 233.527	1444.6	0.0133	0.00023	mg/L	0.0667	0.00116	ppm	1.74%
Be 313.107	6.2	0.0000	0.00005	mg/L	0.0000	0.00024	ppm	>999.9%
Ca 227.547	349.1	4.248	0.0345	mg/L	21.24	0.173	ppm	0.81%
Cd 228.802	-5.6	-0.0001	0.00011	mg/L	-0.0007	0.00053	ppm	79.03%
Co 228.616	3.8	0.0001	0.00012	mg/L	0.0005	0.00062	ppm	117.92%
Cr 267.716	40.3	0.0009	0.00041	mg/L	0.0045	0.00206	ppm	45.88%
Cu 324.754	87.1	0.0008	0.00151	mg/L	0.0039	0.00755	ppm	193.14%
Fe 273.955	3900.9	0.1875	0.00450	mg/L	0.9376	0.02252	ppm	2.40%
K 766.491	280301.0	5.373	0.0904	mg/L	26.86	0.452	ppm	1.68%
Mg 279.079	42193.1	4.437	0.2253	mg/L	22.18	1.127	ppm	5.08%
Mn 257.610	5517.1	0.0132	0.00023	mg/L	0.0658	0.00116	ppm	1.76%
Mo 202.030	67.1	0.0050	0.00043	mg/L	0.0250	0.00217	ppm	8.70%
Na 330.237	17625.1	40.68	1.795	mg/L	203.4	8.97	ppm	4.41%
Ni 231.604	17.0	0.0004	0.00024	mg/L	0.0021	0.00118	ppm	54.99%
Pb 220.353	-12.2	-0.0008	0.00142	mg/L	-0.0042	0.00708	ppm	167.54%
Sb 206.833	-11.9	-0.0047	0.00229	mg/L	-0.0237	0.01143	ppm	48.16%
Se 196.026	2.7	0.0008	0.00016	mg/L	0.0042	0.00081	ppm	19.30%
Tl 190.800	1.2	0.0004	0.00094	mg/L	0.0019	0.00470	ppm	248.47%
V 292.402	-47.1	-0.0005	0.00025	mg/L	-0.0024	0.00127	ppm	53.10%
Zn 213.856	74.0	0.0014	0.00015	mg/L	0.0070	0.00077	ppm	11.03%

Replicate Data

ID: 2842-8 MS F=1 Date: 04/25/03 12:09:48 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	75947.5	76368.1	1.024	mg/L	1.024	ppm
1	Al 308.215	20871.2	20473.0	2.237	mg/L	2.237	ppm
1	As 188.979	1440.9	1446.4	0.5422	mg/L	0.5422	ppm
1	Ba 233.527	471310.4	471745.2	4.358	mg/L	4.358	ppm
1	Be 313.107	493472.1	495858.2	0.2029	mg/L	0.2029	ppm
1	Ca 227.547	3417.0	3457.6	42.08	mg/L	42.08	ppm
1	Cd 228.802	11023.4	10893.0	0.2634	mg/L	0.2634	ppm
1	Co 228.616	38095.4	38021.6	1.054	mg/L	1.054	ppm
1	Cr 267.716	47505.2	47586.0	1.061	mg/L	1.061	ppm
1	Cu 324.754	118224.7	117701.4	1.055	mg/L	1.055	ppm
1	Fe 273.955	41659.2	41854.3	2.003	mg/L	2.003	ppm
1	K 766.491	2167827.3	2160062.0	33.24	mg/L	33.24	ppm
1	Mg 279.079	321903.8	322982.7	33.96	mg/L	33.96	ppm
1	Mn 257.610	433875.8	437357.7	1.043	mg/L	1.043	ppm
1	Mo 202.030	29730.5	29852.2	2.223	mg/L	2.223	ppm
1	Na 330.237	125577.8	124256.5	245.5	mg/L	245.5	ppm
1	Ni 231.604	41470.8	41542.7	1.049	mg/L	1.049	ppm
1	Pb 220.353	46682.6	46332.1	3.211	mg/L	3.211	ppm
1	Sb 206.833	1423.9	1377.4	0.5493	mg/L	0.5493	ppm
1	Se 196.026	1762.3	1770.1	0.5437	mg/L	0.5437	ppm
1	Tl 190.800	1580.2	1624.8	0.5357	mg/L	0.5357	ppm
1	V 292.402	204579.3	204254.4	2.082	mg/L	2.082	ppm
1	Zn 213.856	28482.9	28532.9	0.5394	mg/L	0.5394	ppm
2	Ag 328.068	75146.6	75567.3	1.013	mg/L	1.013	ppm
2	Al 308.215	20499.3	20101.1	2.197	mg/L	2.197	ppm
2	As 188.979	1423.1	1428.6	0.5355	mg/L	0.5355	ppm
2	Ba 233.527	461730.2	462165.0	4.270	mg/L	4.270	ppm
2	Be 313.107	486062.1	488448.3	0.1999	mg/L	0.1999	ppm
2	Ca 227.547	3435.1	3475.8	42.30	mg/L	42.30	ppm
2	Cd 228.802	10976.4	10845.9	0.2623	mg/L	0.2623	ppm
2	Co 228.616	37261.1	37187.3	1.031	mg/L	1.031	ppm
2	Cr 267.716	46757.0	46837.8	1.044	mg/L	1.044	ppm
2	Cu 324.754	116519.1	115995.7	1.040	mg/L	1.040	ppm
2	Fe 273.955	41079.3	41274.4	1.975	mg/L	1.975	ppm

2	K 766.491	2144151.4	2136386.2	32.94 mg/L	32.94 ppm
2	Mg 279.079	316134.4	317213.2	33.36 mg/L	33.36 ppm
2	Mn 257.610	426276.7	429758.6	1.025 mg/L	1.025 ppm
2	Mo 202.030	29308.5	29430.2	2.191 mg/L	2.191 ppm
2	Na 330.237	124005.7	122684.4	242.9 mg/L	242.9 ppm
2	Ni 231.604	40797.8	40869.6	1.032 mg/L	1.032 ppm
2	Pb 220.353	46063.1	45712.6	3.168 mg/L	3.168 ppm
2	Sb 206.833	1372.6	1326.1	0.5288 mg/L	0.5288 ppm
2	Se 196.026	1799.0	1806.8	0.5550 mg/L	0.5550 ppm
2	Tl 190.800	1537.4	1582.0	0.5216 mg/L	0.5216 ppm
2	V 292.402	201888.2	201563.4	2.055 mg/L	2.055 ppm
2	Zn 213.856	28261.5	28311.5	0.5353 mg/L	0.5353 ppm
3	Ag 328.068	75097.1	75517.8	1.012 mg/L	1.012 ppm
3	Al 308.215	20181.0	19782.8	2.162 mg/L	2.162 ppm
3	As 188.979	1422.4	1427.9	0.5352 mg/L	0.5352 ppm
3	Ba 233.527	457524.6	457959.4	4.231 mg/L	4.231 ppm
3	Be 313.107	483880.2	486266.3	0.1990 mg/L	0.1990 ppm
3	Ca 227.547	3287.5	3328.2	40.50 mg/L	40.50 ppm
3	Cd 228.802	10892.9	10762.5	0.2603 mg/L	0.2603 ppm
3	Co 228.616	36718.1	36644.3	1.016 mg/L	1.016 ppm
3	Cr 267.716	46674.9	46755.7	1.042 mg/L	1.042 ppm
3	Cu 324.754	116516.3	115992.9	1.040 mg/L	1.040 ppm
3	Fe 273.955	40699.7	40894.8	1.957 mg/L	1.957 ppm
3	K 766.491	2197622.8	2189857.6	33.61 mg/L	33.61 ppm
3	Mg 279.079	314102.9	315181.7	33.14 mg/L	33.14 ppm
3	Mn 257.610	423816.5	427298.4	1.019 mg/L	1.019 ppm
3	Mo 202.030	28984.8	29106.4	2.167 mg/L	2.167 ppm
3	Na 330.237	124306.7	122985.4	243.4 mg/L	243.4 ppm
3	Ni 231.604	39905.5	39977.4	1.009 mg/L	1.009 ppm
3	Pb 220.353	45325.9	44975.4	3.117 mg/L	3.117 ppm
3	Sb 206.833	1298.2	1251.6	0.4991 mg/L	0.4991 ppm
3	Se 196.026	1711.3	1719.1	0.5280 mg/L	0.5280 ppm
3	Tl 190.800	1510.9	1555.5	0.5129 mg/L	0.5129 ppm
3	V 292.402	201129.5	200804.7	2.047 mg/L	2.047 ppm
3	Zn 213.856	27609.6	27659.6	0.5229 mg/L	0.5229 ppm

Mean Data

ID: 2842-8 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: 04/25/03 12:09:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	75817.7	1.016	0.0064	mg/L	1.016	0.0064	ppm	0.63%
Al 308.215	20119.0	2.199	0.0377	mg/L	2.199	0.0377	ppm	1.72%
As 188.979	1434.3	0.5376	0.00394	mg/L	0.5376	0.00394	ppm	0.73%
Ba 233.527	463956.5	4.286	0.0653	mg/L	4.286	0.0653	ppm	1.52%
Be 313.107	490190.9	0.2006	0.00206	mg/L	0.2006	0.00206	ppm	1.03%
Ca 227.547	3420.5	41.63	0.980	mg/L	41.63	0.980	ppm	2.35%
Cd 228.802	10833.8	0.2620	0.00160	mg/L	0.2620	0.00160	ppm	0.61%
Co 228.616	37284.4	1.034	0.0192	mg/L	1.034	0.0192	ppm	1.86%
Cr 267.716	47059.8	1.049	0.0102	mg/L	1.049	0.0102	ppm	0.97%
Cu 324.754	116563.3	1.045	0.0088	mg/L	1.045	0.0088	ppm	0.85%
Fe 273.955	41341.2	1.979	0.0231	mg/L	1.979	0.0231	ppm	1.17%
K 766.491	2162101.9	33.26	0.334	mg/L	33.26	0.334	ppm	1.01%
Mg 279.079	318459.2	33.49	0.426	mg/L	33.49	0.426	ppm	1.27%
Mn 257.610	431471.6	1.029	0.0125	mg/L	1.029	0.0125	ppm	1.22%
Mo 202.030	29462.9	2.194	0.0278	mg/L	2.194	0.0278	ppm	1.27%
Na 330.237	123308.8	243.9	1.41	mg/L	243.9	1.41	ppm	0.58%
Ni 231.604	40796.6	1.030	0.0198	mg/L	1.030	0.0198	ppm	1.92%
Pb 220.353	45673.4	3.166	0.0471	mg/L	3.166	0.0471	ppm	1.49%
Sb 206.833	1318.4	0.5257	0.02522	mg/L	0.5257	0.02522	ppm	4.80%
Se 196.026	1765.3	0.5422	0.01354	mg/L	0.5422	0.01354	ppm	2.50%
Tl 190.800	1587.4	0.5234	0.01148	mg/L	0.5234	0.01148	ppm	2.19%
V 292.402	202207.5	2.061	0.0185	mg/L	2.061	0.0185	ppm	0.90%
Zn 213.856	28168.0	0.5325	0.00858	mg/L	0.5325	0.00858	ppm	1.61%

Matrix Check Sample: 2842-8 MS F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery

Ag 328.068	1.001	1.016	0.006	mg/L	101.592
Al 308.215	2.040	2.199	0.038	mg/L	107.907
As 188.979	0.4998	0.5376	0.004	mg/L	107.557
Ba 233.527	4.067	4.286	0.065	mg/L	105.486
Be 313.107	0.2001	0.2006	0.002	mg/L	100.275
Ca 227.547	40.12	41.63	0.980	mg/L	107.524
Cd 228.802	0.2501	0.2620	0.002	mg/L	104.767
Co 228.616	1.000	1.034	0.019	mg/L	103.347
Cr 267.716	1.002	1.049	0.010	mg/L	104.706
Cu 324.754	1.002	1.045	0.009	mg/L	104.330
Fe 273.955	1.927	1.979	0.023	mg/L	105.113
K 766.491	33.71	33.26	0.334	mg/L	90.977
Mg 279.079	32.35	33.49	0.426	mg/L	111.388
Mn 257.610	1.064	1.029	0.013	mg/L	96.491
Mo 202.030	2.026	2.194	0.028	mg/L	108.419
Na 330.237	242.1	243.9	1.414	mg/L	104.581
Ni 231.604	1.002	1.030	0.020	mg/L	102.745
Pb 220.353	2.999	3.166	0.047	mg/L	105.554
Sb 206.833	0.4981	0.5257	0.025	mg/L	105.533
Se 196.026	0.5022	0.5422	0.014	mg/L	108.016
Tl 190.800	0.4986	0.5234	0.011	mg/L	104.958
V 292.402	2.003	2.061	0.018	mg/L	102.917
Zn 213.856	0.5040	0.5325	0.009	mg/L	105.716

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

ID: 2842-8 MSD F=1 Date: 04/25/03 12:12:25 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	75121.2	75541.9	1.013	mg/L	1.013	ppm
1	Al 308.215	20086.2	19688.0	2.151	mg/L	2.151	ppm
1	As 188.979	1393.3	1398.8	0.5244	mg/L	0.5244	ppm
1	Ba 233.527	446534.0	446968.8	4.129	mg/L	4.129	ppm
1	Be 313.107	474346.0	476732.1	0.1951	mg/L	0.1951	ppm
1	Ca 227.547	3289.1	3329.8	40.52	mg/L	40.52	ppm
1	Cd 228.802	10619.1	10488.7	0.2537	mg/L	0.2537	ppm
1	Co 228.616	35961.3	35887.5	0.9949	mg/L	0.9949	ppm
1	Cr 267.716	46213.0	46293.8	1.032	mg/L	1.032	ppm
1	Cu 324.754	116111.0	115587.6	1.036	mg/L	1.036	ppm
1	Fe 273.955	40453.5	40648.6	1.945	mg/L	1.945	ppm
1	K 766.491	2119325.2	2111560.0	32.63	mg/L	32.63	ppm
1	Mg 279.079	310297.8	311376.6	32.74	mg/L	32.74	ppm
1	Mn 257.610	414871.2	418353.1	0.9981	mg/L	0.9981	ppm
1	Mo 202.030	28623.8	28745.5	2.140	mg/L	2.140	ppm
1	Na 330.237	124944.2	123622.9	244.4	mg/L	244.4	ppm
1	Ni 231.604	40145.4	40217.2	1.015	mg/L	1.015	ppm
1	Pb 220.353	45215.5	44865.0	3.110	mg/L	3.110	ppm
1	Sb 206.833	1289.2	1242.7	0.4955	mg/L	0.4955	ppm
1	Se 196.026	1765.9	1773.7	0.5448	mg/L	0.5448	ppm
1	Tl 190.800	1585.5	1630.1	0.5373	mg/L	0.5373	ppm
1	V 292.402	198203.2	197878.4	2.017	mg/L	2.017	ppm
1	Zn 213.856	27483.9	27533.9	0.5206	mg/L	0.5206	ppm
2	Ag 328.068	75368.5	75789.2	1.016	mg/L	1.016	ppm
2	Al 308.215	19326.5	18928.3	2.068	mg/L	2.068	ppm
2	As 188.979	1382.6	1388.1	0.5204	mg/L	0.5204	ppm
2	Ba 233.527	445833.6	446268.3	4.123	mg/L	4.123	ppm
2	Be 313.107	475598.1	477984.2	0.1956	mg/L	0.1956	ppm
2	Ca 227.547	3156.2	3196.8	38.90	mg/L	38.90	ppm
2	Cd 228.802	10352.7	10222.2	0.2472	mg/L	0.2472	ppm
2	Co 228.616	34900.6	34826.7	0.9655	mg/L	0.9655	ppm
2	Cr 267.716	46433.4	46514.2	1.037	mg/L	1.037	ppm
2	Cu 324.754	116852.4	116329.1	1.043	mg/L	1.043	ppm
2	Fe 273.955	40667.1	40862.2	1.956	mg/L	1.956	ppm
2	K 766.491	2200974.6	2193209.4	33.65	mg/L	33.65	ppm
2	Mg 279.079	309964.2	311043.0	32.71	mg/L	32.71	ppm
2	Mn 257.610	416042.3	419524.2	1.001	mg/L	1.001	ppm
2	Mo 202.030	27465.7	27587.4	2.054	mg/L	2.054	ppm
2	Na 330.237	125974.1	124652.8	246.2	mg/L	246.2	ppm
2	Ni 231.604	40214.9	40286.7	1.017	mg/L	1.017	ppm
2	Pb 220.353	43754.7	43404.2	3.008	mg/L	3.008	ppm
2	Sb 206.833	1264.1	1217.6	0.4855	mg/L	0.4855	ppm

2 Se 196.026	1687.8	1695.6	0.5208 mg/L	0.5208 ppm
2 Tl 190.800	1516.4	1561.0	0.5147 mg/L	0.5147 ppm
2 V 292.402	199116.1	198791.3	2.027 mg/L	2.027 ppm
2 Zn 213.856	26721.0	26771.0	0.5061 mg/L	0.5061 ppm
3 Ag 328.068	74133.5	74554.1	0.9995 mg/L	0.9995 ppm
3 Al 308.215	19589.5	19191.3	2.097 mg/L	2.097 ppm
3 As 188.979	1427.5	1433.0	0.5370 mg/L	0.5370 ppm
3 Ba 233.527	438596.6	439031.4	4.056 mg/L	4.056 ppm
3 Be 313.107	464642.3	467028.4	0.1911 mg/L	0.1911 ppm
3 Ca 227.547	3161.5	3202.1	38.97 mg/L	38.97 ppm
3 Cd 228.802	10344.0	10213.6	0.2470 mg/L	0.2470 ppm
3 Co 228.616	34916.7	34842.8	0.9659 mg/L	0.9659 ppm
3 Cr 267.716	45388.8	45469.6	1.014 mg/L	1.014 ppm
3 Cu 324.754	113667.8	113144.4	1.014 mg/L	1.014 ppm
3 Fe 273.955	39757.5	39952.6	1.912 mg/L	1.912 ppm
3 K 766.491	2208061.0	2200295.8	33.74 mg/L	33.74 ppm
3 Mg 279.079	305656.8	306735.7	32.26 mg/L	32.26 ppm
3 Mn 257.610	406451.1	409933.0	0.9780 mg/L	0.9780 ppm
3 Mo 202.030	27794.7	27916.4	2.079 mg/L	2.079 ppm
3 Na 330.237	123205.4	121884.1	241.5 mg/L	241.5 ppm
3 Ni 231.604	39405.4	39477.3	0.9964 mg/L	0.9964 ppm
3 Pb 220.353	43779.1	43428.6	3.010 mg/L	3.010 ppm
3 Sb 206.833	1281.0	1234.4	0.4922 mg/L	0.4922 ppm
3 Se 196.026	1643.3	1651.1	0.5071 mg/L	0.5071 ppm
3 Tl 190.800	1529.8	1574.3	0.5190 mg/L	0.5190 ppm
3 V 292.402	194825.3	194500.5	1.983 mg/L	1.983 ppm
3 Zn 213.856	26741.3	26791.3	0.5065 mg/L	0.5065 ppm

Mean Data

ID: 2842-8 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: 04/25/03 12:12:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	75295.1	1.009	0.0088	mg/L	1.009	0.0088	ppm	0.87%
Al 308.215	19269.2	2.106	0.0422	mg/L	2.106	0.0422	ppm	2.00%
As 188.979	1406.7	0.5272	0.00864	mg/L	0.5272	0.00864	ppm	1.64%
Ba 233.527	444089.5	4.103	0.0406	mg/L	4.103	0.0406	ppm	0.99%
Be 313.107	473914.9	0.1939	0.00245	mg/L	0.1939	0.00245	ppm	1.27%
Ca 227.547	3242.9	39.46	0.916	mg/L	39.46	0.916	ppm	2.32%
Cd 228.802	10308.2	0.2493	0.00378	mg/L	0.2493	0.00378	ppm	1.52%
Co 228.616	35185.7	0.9754	0.01685	mg/L	0.9754	0.01685	ppm	1.73%
Cr 267.716	46092.5	1.028	0.0123	mg/L	1.028	0.0123	ppm	1.19%
Cu 324.754	115020.4	1.031	0.0149	mg/L	1.031	0.0149	ppm	1.45%
Fe 273.955	40487.8	1.938	0.0228	mg/L	1.938	0.0228	ppm	1.18%
K 766.491	2168355.1	33.34	0.616	mg/L	33.34	0.616	ppm	1.85%
Mg 279.079	309718.4	32.57	0.272	mg/L	32.57	0.272	ppm	0.84%
Mn 257.610	415936.8	0.9923	0.01248	mg/L	0.9923	0.01248	ppm	1.26%
Mo 202.030	28083.1	2.091	0.0444	mg/L	2.091	0.0444	ppm	2.12%
Na 330.237	123386.6	244.0	2.37	mg/L	244.0	2.37	ppm	0.97%
Ni 231.604	39993.7	1.009	0.0113	mg/L	1.009	0.0113	ppm	1.12%
Pb 220.353	43899.3	3.043	0.0580	mg/L	3.043	0.0580	ppm	1.91%
Sb 206.833	1231.6	0.4911	0.00511	mg/L	0.4911	0.00511	ppm	1.04%
Se 196.026	1706.8	0.5242	0.01906	mg/L	0.5242	0.01906	ppm	3.64%
Tl 190.800	1588.5	0.5237	0.01201	mg/L	0.5237	0.01201	ppm	2.29%
V 292.402	197056.7	2.009	0.0230	mg/L	2.009	0.0230	ppm	1.15%
Zn 213.856	27032.1	0.5111	0.00822	mg/L	0.5111	0.00822	ppm	1.61%

Matrix Check Sample: 2842-8 MSD F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	1.009	0.009	mg/L	100.891
Al 308.215	2.040	2.106	0.042	mg/L	103.264
As 188.979	0.4998	0.5272	0.009	mg/L	105.482
Ba 233.527	4.067	4.103	0.041	mg/L	100.897
Be 313.107	0.2001	0.1939	0.002	mg/L	96.945
Ca 227.547	40.12	39.46	0.916	mg/L	96.717
Cd 228.802	0.2501	0.2493	0.004	mg/L	99.682
Co 228.616	1.000	0.9754	0.017	mg/L	97.529

Cr 267.716	1.002	1.028	0.012	mg/L	102.549
Cu 324.754	1.002	1.031	0.015	mg/L	102.947
Fe 273.955	1.927	1.938	0.023	mg/L	101.037
K 766.491	33.71	33.34	0.616	mg/L	92.517
Mg 279.079	32.35	32.57	0.272	mg/L	102.197
Mn 257.610	1.064	0.9923	0.012	mg/L	92.785
Mo 202.030	2.026	2.091	0.044	mg/L	103.281
Na 330.237	242.1	244.0	2.372	mg/L	104.907
Ni 231.604	1.002	1.009	0.011	mg/L	100.719
Pb 220.353	2.999	3.043	0.058	mg/L	101.455
Sb 206.833	0.4981	0.4911	0.005	mg/L	98.602
Se 196.026	0.5022	0.5242	0.019	mg/L	104.418
Tl 190.800	0.4986	0.5237	0.012	mg/L	105.012
V 292.402	2.003	2.009	0.023	mg/L	100.292
Zn 213.856	0.5040	0.5111	0.008	mg/L	101.421

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

ID: 2842-8 PS F=1 Date: 04/25/03 12:15:03 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	74704.7	75125.3	1.007	mg/L	1.007	ppm
1	Al 308.215	19401.2	19003.0	2.077	mg/L	2.077	ppm
1	As 188.979	1446.7	1452.2	0.5442	mg/L	0.5442	ppm
1	Ba 233.527	448378.7	448813.4	4.146	mg/L	4.146	ppm
1	Be 313.107	476855.0	479241.1	0.1961	mg/L	0.1961	ppm
1	Ca 227.547	3072.8	3113.5	37.89	mg/L	37.89	ppm
1	Cd 228.802	10474.7	10344.2	0.2502	mg/L	0.2502	ppm
1	Co 228.616	35043.4	34969.6	0.9694	mg/L	0.9694	ppm
1	Cr 267.716	46174.7	46255.5	1.031	mg/L	1.031	ppm
1	Cu 324.754	115932.4	115409.0	1.035	mg/L	1.035	ppm
1	Fe 273.955	40473.0	40668.1	1.946	mg/L	1.946	ppm
1	K 766.491	2235175.7	2227410.5	34.08	mg/L	34.08	ppm
1	Mg 279.079	311138.8	312217.6	32.83	mg/L	32.83	ppm
1	Mn 257.610	417418.4	420900.3	1.004	mg/L	1.004	ppm
1	Mo 202.030	27593.1	27714.8	2.064	mg/L	2.064	ppm
1	Na 330.237	124591.5	123270.2	243.8	mg/L	243.8	ppm
1	Ni 231.604	40349.3	40421.1	1.020	mg/L	1.020	ppm
1	Pb 220.353	43935.1	43584.6	3.021	mg/L	3.021	ppm
1	Sb 206.833	1316.1	1269.6	0.5063	mg/L	0.5063	ppm
1	Se 196.026	1667.6	1675.4	0.5146	mg/L	0.5146	ppm
1	Tl 190.800	1506.4	1550.9	0.5114	mg/L	0.5114	ppm
1	V 292.402	198201.4	197876.6	2.017	mg/L	2.017	ppm
1	Zn 213.856	26913.6	26963.6	0.5098	mg/L	0.5098	ppm
2	Ag 328.068	77439.1	77859.8	1.044	mg/L	1.044	ppm
2	Al 308.215	20322.6	19924.4	2.177	mg/L	2.177	ppm
2	As 188.979	1436.8	1442.3	0.5406	mg/L	0.5406	ppm
2	Ba 233.527	459353.9	459788.7	4.248	mg/L	4.248	ppm
2	Be 313.107	488265.9	490652.0	0.2008	mg/L	0.2008	ppm
2	Ca 227.547	3303.9	3344.6	40.70	mg/L	40.70	ppm
2	Cd 228.802	10781.4	10651.0	0.2576	mg/L	0.2576	ppm
2	Co 228.616	36135.9	36062.1	0.9997	mg/L	0.9997	ppm
2	Cr 267.716	47510.2	47591.0	1.061	mg/L	1.061	ppm
2	Cu 324.754	119354.9	118831.5	1.065	mg/L	1.065	ppm
2	Fe 273.955	41335.3	41530.4	1.988	mg/L	1.988	ppm
2	K 766.491	2217683.3	2209918.1	33.86	mg/L	33.86	ppm
2	Mg 279.079	317190.6	318269.4	33.47	mg/L	33.47	ppm
2	Mn 257.610	426596.4	430078.3	1.026	mg/L	1.026	ppm
2	Mo 202.030	28726.6	28848.3	2.148	mg/L	2.148	ppm
2	Na 330.237	129055.1	127733.8	251.4	mg/L	251.4	ppm
2	Ni 231.604	41215.8	41287.6	1.042	mg/L	1.042	ppm
2	Pb 220.353	45394.7	45044.2	3.122	mg/L	3.122	ppm
2	Sb 206.833	1323.6	1277.0	0.5092	mg/L	0.5092	ppm
2	Se 196.026	1744.4	1752.2	0.5382	mg/L	0.5382	ppm
2	Tl 190.800	1540.1	1584.7	0.5225	mg/L	0.5225	ppm
2	V 292.402	204585.3	204260.5	2.082	mg/L	2.082	ppm
2	Zn 213.856	27768.3	27818.2	0.5259	mg/L	0.5259	ppm
3	Ag 328.068	71542.7	71963.3	0.9648	mg/L	0.9648	ppm
3	Al 308.215	19758.7	19360.5	2.116	mg/L	2.116	ppm
3	As 188.979	1387.3	1392.8	0.5219	mg/L	0.5219	ppm

3 Ba 233.527	427257.9	427692.7	3.951 mg/L	3.951 ppm
3 Be 313.107	452454.8	454840.9	0.1861 mg/L	0.1861 ppm
3 Ca 227.547	3270.0	3310.7	40.29 mg/L	40.29 ppm
3 Cd 228.802	10596.3	10465.9	0.2531 mg/L	0.2531 ppm
3 Co 228.616	35400.1	35326.3	0.9793 mg/L	0.9793 ppm
3 Cr 267.716	43953.2	44034.0	0.9817 mg/L	0.9817 ppm
3 Cu 324.754	110596.9	110073.5	0.9870 mg/L	0.9870 ppm
3 Fe 273.955	38528.3	38723.4	1.853 mg/L	1.853 ppm
3 K 766.491	2199419.6	2191654.4	33.63 mg/L	33.63 ppm
3 Mg 279.079	297097.0	298175.8	31.36 mg/L	31.36 ppm
3 Mn 257.610	396597.2	400079.1	0.9545 mg/L	0.9545 ppm
3 Mo 202.030	28055.3	28177.0	2.098 mg/L	2.098 ppm
3 Na 330.237	119355.7	118034.4	234.9 mg/L	234.9 ppm
3 Ni 231.604	38642.9	38714.8	0.9771 mg/L	0.9771 ppm
3 Pb 220.353	44466.1	44115.6	3.058 mg/L	3.058 ppm
3 Sb 206.833	1344.1	1297.5	0.5174 mg/L	0.5174 ppm
3 Se 196.026	1732.1	1739.9	0.5344 mg/L	0.5344 ppm
3 Tl 190.800	1486.3	1530.9	0.5047 mg/L	0.5047 ppm
3 V 292.402	189374.7	189049.8	1.927 mg/L	1.927 ppm
3 Zn 213.856	27208.5	27258.5	0.5153 mg/L	0.5153 ppm

Mean Data

ID: 2842-8 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: 04/25/03 12:15:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	74982.8	1.005	0.0396	mg/L	1.005	0.0396	ppm	3.94%
Al 308.215	19429.3	2.123	0.0508	mg/L	2.123	0.0508	ppm	2.39%
As 188.979	1429.1	0.5356	0.01198	mg/L	0.5356	0.01198	ppm	2.24%
Ba 233.527	445431.6	4.115	0.1507	mg/L	4.115	0.1507	ppm	3.66%
Be 313.107	474911.4	0.1944	0.00749	mg/L	0.1944	0.00749	ppm	3.85%
Ca 227.547	3256.3	39.63	1.518	mg/L	39.63	1.518	ppm	3.83%
Cd 228.802	10487.0	0.2536	0.00374	mg/L	0.2536	0.00374	ppm	1.47%
Co 228.616	35452.6	0.9828	0.01544	mg/L	0.9828	0.01544	ppm	1.57%
Cr 267.716	45960.1	1.025	0.0401	mg/L	1.025	0.0401	ppm	3.91%
Cu 324.754	114771.3	1.029	0.0396	mg/L	1.029	0.0396	ppm	3.85%
Fe 273.955	40307.3	1.929	0.0688	mg/L	1.929	0.0688	ppm	3.57%
K 766.491	2209661.0	33.86	0.222	mg/L	33.86	0.222	ppm	0.65%
Mg 279.079	309554.3	32.55	1.084	mg/L	32.55	1.084	ppm	3.33%
Mn 257.610	417019.2	0.9949	0.03667	mg/L	0.9949	0.03667	ppm	3.69%
Mo 202.030	28246.7	2.103	0.0424	mg/L	2.103	0.0424	ppm	2.02%
Na 330.237	123012.8	243.4	8.24	mg/L	243.4	8.24	ppm	3.38%
Ni 231.604	40141.2	1.013	0.0330	mg/L	1.013	0.0330	ppm	3.26%
Pb 220.353	44248.1	3.067	0.0512	mg/L	3.067	0.0512	ppm	1.67%
Sb 206.833	1281.4	0.5110	0.00580	mg/L	0.5110	0.00580	ppm	1.14%
Se 196.026	1722.5	0.5291	0.01267	mg/L	0.5291	0.01267	ppm	2.39%
Tl 190.800	1555.5	0.5128	0.00903	mg/L	0.5128	0.00903	ppm	1.76%
V 292.402	197062.3	2.009	0.0779	mg/L	2.009	0.0779	ppm	3.88%
Zn 213.856	27346.8	0.5170	0.00821	mg/L	0.5170	0.00821	ppm	1.59%

Matrix Check Sample: 2842-8 PS F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	1.005	0.040	mg/L	100.472
Al 308.215	2.040	2.123	0.051	mg/L	104.139
As 188.979	0.4998	0.5356	0.012	mg/L	107.147
Ba 233.527	4.067	4.115	0.151	mg/L	101.207
Be 313.107	0.2001	0.1944	0.007	mg/L	97.149
Ca 227.547	40.12	39.63	1.518	mg/L	97.530
Cd 228.802	0.2501	0.2536	0.004	mg/L	101.413
Co 228.616	1.000	0.9828	0.015	mg/L	98.269
Cr 267.716	1.002	1.025	0.040	mg/L	102.254
Cu 324.754	1.002	1.029	0.040	mg/L	102.723
Fe 273.955	1.927	1.929	0.069	mg/L	100.168
K 766.491	33.71	33.86	0.222	mg/L	102.813
Mg 279.079	32.35	32.55	1.084	mg/L	102.024
Mn 257.610	1.064	0.9949	0.037	mg/L	93.043
Mo 202.030	2.026	2.103	0.042	mg/L	103.890
Na 330.237	242.1	243.4	8.236	mg/L	103.263

Ni 231.604	1.002	1.013	0.033	mg/L	101.091
Pb 220.353	2.999	3.067	0.051	mg/L	102.261
Sb 206.833	0.4981	0.5110	0.006	mg/L	102.580
Se 196.026	0.5022	0.5291	0.013	mg/L	105.386
Tl 190.800	0.4986	0.5128	0.009	mg/L	102.852
V 292.402	2.003	2.009	0.078	mg/L	100.295
Zn 213.856	0.5040	0.5170	0.008	mg/L	102.611

Replicate Data

ID: CCV 1447B Date: 04/25/03 12:17:42 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	70431.2	70851.9	0.9499	mg/L		
1	Al 308.215	44796.8	44398.6	4.852	mg/L		
1	As 188.979	1286.4	1291.9	0.4821	mg/L		
1	Ba 233.527	519948.1	520382.9	4.808	mg/L		
1	Be 313.107	1162773.0	1165159.1	0.4768	mg/L		
1	Ca 227.547	3899.9	3940.5	47.95	mg/L		
1	Cd 228.802	39966.2	39835.7	0.9634	mg/L		
1	Co 228.616	70376.9	70303.1	1.949	mg/L		
1	Cr 267.716	21200.0	21280.8	0.4744	mg/L		
1	Cu 324.754	214041.5	213518.2	1.914	mg/L		
1	Fe 273.955	100129.4	100324.5	4.816	mg/L		
1	K 766.491	836871.8	829106.6	14.67	mg/L		
1	Mg 279.079	227813.2	228892.1	24.07	mg/L		
1	Mn 257.610	809297.6	812779.5	1.939	mg/L		
1	Mo 202.030	25442.7	25564.3	1.904	mg/L		
1	Na 330.237	46734.3	45413.0	99.76	mg/L		
1	Ni 231.604	77437.7	77509.6	1.956	mg/L		
1	Pb 220.353	7579.1	7228.6	0.5010	mg/L		
1	Sb 206.833	4852.6	4806.1	1.920	mg/L		
1	Se 196.026	1571.0	1578.8	0.4849	mg/L		
1	Tl 190.800	1403.5	1448.1	0.4775	mg/L		
1	V 292.402	190242.5	189917.7	1.936	mg/L		
1	Zn 213.856	104771.2	104821.2	1.982	mg/L		
2	Ag 328.068	70226.1	70646.8	0.9471	mg/L		
2	Al 308.215	44818.9	44420.7	4.854	mg/L		
2	As 188.979	1327.5	1333.1	0.4974	mg/L		
2	Ba 233.527	514285.3	514720.1	4.755	mg/L		
2	Be 313.107	1160133.3	1162519.4	0.4757	mg/L		
2	Ca 227.547	4120.9	4161.6	50.64	mg/L		
2	Cd 228.802	41020.9	40890.5	0.9889	mg/L		
2	Co 228.616	69876.0	69802.1	1.935	mg/L		
2	Cr 267.716	22122.5	22203.3	0.4950	mg/L		
2	Cu 324.754	213078.1	212554.8	1.906	mg/L		
2	Fe 273.955	100028.9	100224.0	4.811	mg/L		
2	K 766.491	832976.2	825211.0	14.61	mg/L		
2	Mg 279.079	226228.2	227307.1	23.90	mg/L		
2	Mn 257.610	803234.7	806716.6	1.925	mg/L		
2	Mo 202.030	26240.1	26361.7	1.963	mg/L		
2	Na 330.237	46126.5	44805.2	98.52	mg/L		
2	Ni 231.604	77658.3	77730.1	1.962	mg/L		
2	Pb 220.353	7771.3	7420.8	0.5143	mg/L		
2	Sb 206.833	5068.4	5021.9	2.006	mg/L		
2	Se 196.026	1711.2	1719.0	0.5280	mg/L		
2	Tl 190.800	1471.2	1515.8	0.4997	mg/L		
2	V 292.402	190497.7	190172.8	1.939	mg/L		
2	Zn 213.856	104965.5	105015.5	1.985	mg/L		
3	Ag 328.068	71241.5	71662.1	0.9607	mg/L		
3	Al 308.215	45097.4	44699.2	4.885	mg/L		
3	As 188.979	1299.4	1304.9	0.4869	mg/L		
3	Ba 233.527	516364.2	516799.0	4.775	mg/L		
3	Be 313.107	1171757.1	1174143.3	0.4805	mg/L		
3	Ca 227.547	3878.2	3918.9	47.69	mg/L		
3	Cd 228.802	39144.8	39014.4	0.9435	mg/L		
3	Co 228.616	70591.0	70517.1	1.955	mg/L		
3	Cr 267.716	20785.8	20866.6	0.4652	mg/L		
3	Cu 324.754	216433.4	215910.1	1.936	mg/L		
3	Fe 273.955	100530.1	100725.2	4.835	mg/L		

3 K 766.491	864871.1	857105.9	15.11 mg/L
3 Mg 279.079	228722.8	229801.7	24.17 mg/L
3 Mn 257.610	809242.0	812723.9	1.939 mg/L
3 Mo 202.030	24982.2	25103.9	1.869 mg/L
3 Na 330.237	47063.5	45742.2	100.4 mg/L
3 Ni 231.604	78361.7	78433.5	1.980 mg/L
3 Pb 220.353	7430.6	7080.1	0.4907 mg/L
3 Sb 206.833	4775.6	4729.0	1.889 mg/L
3 Se 196.026	1635.0	1642.8	0.5046 mg/L
3 Tl 190.800	1420.4	1465.0	0.4831 mg/L
3 V 292.402	192673.1	192348.2	1.961 mg/L
3 Zn 213.856	106375.7	106425.6	2.012 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: 04/25/03 12:17:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	71053.6	0.9526	0.00720	mg/L				0.76%
Al 308.215	44506.2	4.863	0.0183	mg/L				0.38%
As 188.979	1310.0	0.4888	0.00786	mg/L				1.61%
Ba 233.527	517300.7	4.779	0.0265	mg/L				0.55%
Be 313.107	1167273.9	0.4777	0.00249	mg/L				0.52%
Ca 227.547	4007.0	48.76	1.634	mg/L				3.35%
Cd 228.802	39913.5	0.9652	0.02274	mg/L				2.36%
Co 228.616	70207.4	1.946	0.0102	mg/L				0.52%
Cr 267.716	21450.2	0.4782	0.01525	mg/L				3.19%
Cu 324.754	213994.3	1.919	0.0155	mg/L				0.81%
Fe 273.955	100424.5	4.821	0.0127	mg/L				0.26%
K 766.491	837141.1	14.80	0.274	mg/L				1.85%
Mg 279.079	228667.0	24.05	0.133	mg/L				0.55%
Mn 257.610	810740.0	1.934	0.0083	mg/L				0.43%
Mo 202.030	25676.6	1.912	0.0474	mg/L				2.48%
Na 330.237	45320.1	99.57	0.969	mg/L				0.97%
Ni 231.604	77891.1	1.966	0.0122	mg/L				0.62%
Pb 220.353	7243.2	0.5020	0.01184	mg/L				2.36%
Sb 206.833	4852.3	1.939	0.0605	mg/L				3.12%
Se 196.026	1646.9	0.5059	0.02157	mg/L				4.26%
Tl 190.800	1476.3	0.4868	0.01154	mg/L				2.37%
V 292.402	190812.9	1.945	0.0136	mg/L				0.70%
Zn 213.856	105420.8	1.993	0.0166	mg/L				0.83%

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

ID: CCB Date: 04/25/03 12:20:32 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-511.2	-90.6	-0.0012	mg/L		
1	Al 308.215	469.3	71.1	0.0078	mg/L		
1	As 188.979	-10.0	-4.5	-0.0017	mg/L		
1	Ba 233.527	-196.8	238.0	0.0022	mg/L		
1	Be 313.107	-2026.6	359.6	0.0001	mg/L		
1	Ca 227.547	-48.1	-7.4	-0.0904	mg/L		
1	Cd 228.802	139.8	9.3	0.0002	mg/L		
1	Co 228.616	102.9	29.1	0.0008	mg/L		
1	Cr 267.716	-38.3	42.5	0.0009	mg/L		
1	Cu 324.754	494.2	-29.2	-0.0003	mg/L		
1	Fe 273.955	-118.9	76.2	0.0037	mg/L		
1	K 766.491	8020.0	254.8	0.0267	mg/L		
1	Mg 279.079	-891.2	187.7	0.0197	mg/L		
1	Mn 257.610	-2980.7	501.2	0.0012	mg/L		
1	Mo 202.030	-106.4	15.3	0.0011	mg/L		
1	Na 330.237	1126.8	-194.5	-0.2078	mg/L		
1	Ni 231.604	-33.3	38.5	0.0010	mg/L		
1	Pb 220.353	327.1	-23.4	-0.0016	mg/L		
1	Sb 206.833	32.7	-13.8	-0.0055	mg/L		
1	Se 196.026	-20.0	-12.2	-0.0038	mg/L		
1	Tl 190.800	-43.5	1.1	0.0004	mg/L		
1	V 292.402	194.8	-130.0	-0.0013	mg/L		
1	Zn 213.856	-10.3	39.7	0.0008	mg/L		

2 Ag 328.068	-346.1	74.5	0.0010	mg/L
2 Al 308.215	409.0	10.8	0.0012	mg/L
2 As 188.979	-1.9	3.6	0.0014	mg/L
2 Ba 233.527	-187.0	247.7	0.0023	mg/L
2 Be 313.107	-1909.0	477.1	0.0002	mg/L
2 Ca 227.547	-34.5	6.2	0.0757	mg/L
2 Cd 228.802	138.3	7.9	0.0002	mg/L
2 Co 228.616	104.6	30.8	0.0009	mg/L
2 Cr 267.716	-65.4	15.4	0.0003	mg/L
2 Cu 324.754	588.5	65.1	0.0006	mg/L
2 Fe 273.955	-147.8	47.3	0.0023	mg/L
2 K 766.491	8133.2	368.0	0.0290	mg/L
2 Mg 279.079	-839.6	239.2	0.0252	mg/L
2 Mn 257.610	-3009.8	472.0	0.0011	mg/L
2 Mo 202.030	-99.1	22.6	0.0017	mg/L
2 Na 330.237	1450.0	128.7	0.5580	mg/L
2 Ni 231.604	-39.2	32.7	0.0008	mg/L
2 Pb 220.353	344.9	-5.6	-0.0004	mg/L
2 Sb 206.833	34.1	-12.5	-0.0050	mg/L
2 Se 196.026	6.5	14.3	0.0044	mg/L
2 Tl 190.800	-31.5	13.1	0.0043	mg/L
2 V 292.402	341.7	16.9	0.0002	mg/L
2 Zn 213.856	6.9	56.9	0.0011	mg/L
3 Ag 328.068	-282.0	138.7	0.0019	mg/L
3 Al 308.215	523.9	125.7	0.0137	mg/L
3 As 188.979	-15.3	-9.8	-0.0036	mg/L
3 Ba 233.527	-214.7	220.1	0.0020	mg/L
3 Be 313.107	-1778.5	607.6	0.0002	mg/L
3 Ca 227.547	-33.8	6.9	0.0837	mg/L
3 Cd 228.802	123.5	-6.9	-0.0002	mg/L
3 Co 228.616	94.6	20.8	0.0006	mg/L
3 Cr 267.716	-38.2	42.6	0.0010	mg/L
3 Cu 324.754	505.3	-18.1	-0.0002	mg/L
3 Fe 273.955	-151.1	43.9	0.0021	mg/L
3 K 766.491	8114.1	348.9	0.0286	mg/L
3 Mg 279.079	-923.0	155.9	0.0164	mg/L
3 Mn 257.610	-3058.0	423.9	0.0010	mg/L
3 Mo 202.030	-96.4	25.3	0.0019	mg/L
3 Na 330.237	1199.4	-121.9	-0.0357	mg/L
3 Ni 231.604	-34.9	36.9	0.0009	mg/L
3 Pb 220.353	310.0	-40.5	-0.0028	mg/L
3 Sb 206.833	44.9	-1.7	-0.0007	mg/L
3 Se 196.026	5.7	13.5	0.0041	mg/L
3 Tl 190.800	-49.0	-4.5	-0.0015	mg/L
3 V 292.402	247.2	-77.6	-0.0008	mg/L
3 Zn 213.856	-13.4	36.5	0.0007	mg/L

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

ID: CCB Seq. No.: 22 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: 04/25/03 12:20:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	40.9	0.0005	0.00159	mg/L				289.24%
Al 308.215	69.2	0.0076	0.00628	mg/L				83.02%
As 188.979	-3.5	-0.0013	0.00252	mg/L				191.14%
Ba 233.527	235.3	0.0022	0.00013	mg/L				5.96%
Be 313.107	481.4	0.0002	0.00005	mg/L				25.77%
Ca 227.547	1.9	0.0230	0.09827	mg/L				427.00%
Cd 228.802	3.4	0.0001	0.00022	mg/L				260.89%
Co 228.616	26.9	0.0007	0.00015	mg/L				19.92%
Cr 267.716	33.5	0.0007	0.00035	mg/L				46.88%
Cu 324.754	6.0	0.0001	0.00046	mg/L				866.45%
Fe 273.955	55.8	0.0027	0.00085	mg/L				31.81%
K 766.491	323.9	0.0281	0.00121	mg/L				4.32%
Mg 279.079	194.3	0.0204	0.00442	mg/L				21.65%
Mn 257.610	465.7	0.0011	0.00009	mg/L				8.38%
Mo 202.030	21.1	0.0016	0.00039	mg/L				24.61%
Na 330.237	-62.5	0.1048	0.40181	mg/L				383.22%
Ni 231.604	36.0	0.0009	0.00008	mg/L				8.39%

Pb 220.353	-23.2	-0.0016	0.00121 mg/L	75.33%
Sb 206.833	-9.3	-0.0037	0.00265 mg/L	71.11%
Se 196.026	5.2	0.0016	0.00463 mg/L	291.89%
Tl 190.800	3.2	0.0011	0.00293 mg/L	276.46%
V 292.402	-63.6	-0.0006	0.00076 mg/L	117.10%
Zn 213.856	44.4	0.0008	0.00021 mg/L	24.69%

Replicate Data

ID: 2842-3 F=1 Date: 04/25/03 12:24:00 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-402.0	18.7	0.0003	mg/L	0.0003	ppm
1	Al 308.215	5363.2	4965.0	0.5426	mg/L	0.5426	ppm
1	As 188.979	10.0	15.5	0.0058	mg/L	0.0058	ppm
1	Ba 233.527	9392.2	9827.0	0.0908	mg/L	0.0908	ppm
1	Be 313.107	-2291.1	95.0	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	5170.1	5210.8	63.41	mg/L	63.41	ppm
1	Cd 228.802	116.1	-14.3	-0.0003	mg/L	-0.0003	ppm
1	Co 228.616	212.6	138.8	0.0038	mg/L	0.0038	ppm
1	Cr 267.716	152.5	233.3	0.0052	mg/L	0.0052	ppm
1	Cu 324.754	1142.4	619.1	0.0056	mg/L	0.0056	ppm
1	Fe 273.955	14323.8	14518.9	0.6973	mg/L	0.6973	ppm
1	K 766.491	1647151.1	1639385.9	26.48	mg/L	26.48	ppm
1	Mg 279.079	641644.7	642723.5	67.59	mg/L	67.59	ppm
1	Mn 257.610	35202.8	38684.7	0.0923	mg/L	0.0923	ppm
1	Mo 202.030	-41.7	80.0	0.0060	mg/L	0.0060	ppm
1	Na 330.237	473494.1	472172.8	708.8	mg/L	708.8	ppm
1	Ni 231.604	21.0	92.8	0.0023	mg/L	0.0023	ppm
1	Pb 220.353	297.1	-53.4	-0.0037	mg/L	-0.0037	ppm
1	Sb 206.833	50.9	4.3	0.0017	mg/L	0.0017	ppm
1	Se 196.026	21.9	29.7	0.0091	mg/L	0.0091	ppm
1	Tl 190.800	-57.3	-12.7	-0.0042	mg/L	-0.0042	ppm
1	V 292.402	7173.8	6848.9	0.0698	mg/L	0.0698	ppm
1	Zn 213.856	322.2	372.1	0.0070	mg/L	0.0070	ppm
2	Ag 328.068	-232.5	188.1	0.0025	mg/L	0.0025	ppm
2	Al 308.215	5777.4	5379.2	0.5878	mg/L	0.5878	ppm
2	As 188.979	6.1	11.6	0.0043	mg/L	0.0043	ppm
2	Ba 233.527	9291.5	9726.2	0.0899	mg/L	0.0899	ppm
2	Be 313.107	-2112.3	273.8	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	5214.4	5255.1	63.95	mg/L	63.95	ppm
2	Cd 228.802	123.5	-6.9	-0.0002	mg/L	-0.0002	ppm
2	Co 228.616	221.6	147.7	0.0041	mg/L	0.0041	ppm
2	Cr 267.716	166.7	247.5	0.0055	mg/L	0.0055	ppm
2	Cu 324.754	882.2	358.9	0.0032	mg/L	0.0032	ppm
2	Fe 273.955	14392.5	14587.6	0.7005	mg/L	0.7005	ppm
2	K 766.491	1692516.2	1684751.0	27.09	mg/L	27.09	ppm
2	Mg 279.079	617625.2	618704.1	65.06	mg/L	65.06	ppm
2	Mn 257.610	34902.5	38384.4	0.0916	mg/L	0.0916	ppm
2	Mo 202.030	-49.2	72.5	0.0054	mg/L	0.0054	ppm
2	Na 330.237	466046.0	464724.7	700.6	mg/L	700.6	ppm
2	Ni 231.604	6.5	78.3	0.0020	mg/L	0.0020	ppm
2	Pb 220.353	299.2	-51.3	-0.0036	mg/L	-0.0036	ppm
2	Sb 206.833	49.3	2.8	0.0011	mg/L	0.0011	ppm
2	Se 196.026	11.6	19.4	0.0060	mg/L	0.0060	ppm
2	Tl 190.800	-57.1	-12.5	-0.0041	mg/L	-0.0041	ppm
2	V 292.402	7164.7	6839.8	0.0697	mg/L	0.0697	ppm
2	Zn 213.856	300.3	350.3	0.0066	mg/L	0.0066	ppm
3	Ag 328.068	-259.7	161.0	0.0022	mg/L	0.0022	ppm
3	Al 308.215	5762.7	5364.5	0.5862	mg/L	0.5862	ppm
3	As 188.979	15.9	21.4	0.0079	mg/L	0.0079	ppm
3	Ba 233.527	9105.2	9540.0	0.0881	mg/L	0.0881	ppm
3	Be 313.107	-2178.9	207.2	0.0001	mg/L	0.0001	ppm
3	Ca 227.547	5185.8	5226.4	63.60	mg/L	63.60	ppm
3	Cd 228.802	126.4	-4.0	-0.0001	mg/L	-0.0001	ppm
3	Co 228.616	219.9	146.1	0.0040	mg/L	0.0040	ppm
3	Cr 267.716	165.1	245.9	0.0055	mg/L	0.0055	ppm
3	Cu 324.754	874.2	350.8	0.0031	mg/L	0.0031	ppm
3	Fe 273.955	14219.6	14414.7	0.6922	mg/L	0.6922	ppm
3	K 766.491	1831225.6	1823460.4	28.93	mg/L	28.93	ppm

3 Mg 279.079	607143.9	608222.7	63.96 mg/L	63.96 ppm
3 Mn 257.610	35313.2	38795.1	0.0926 mg/L	0.0926 ppm
3 Mo 202.030	-50.6	71.0	0.0053 mg/L	0.0053 ppm
3 Na 330.237	477586.3	476265.0	713.3 mg/L	713.3 ppm
3 Ni 231.604	38.6	110.4	0.0028 mg/L	0.0028 ppm
3 Pb 220.353	293.2	-57.3	-0.0040 mg/L	-0.0040 ppm
3 Sb 206.833	46.9	0.3	0.0001 mg/L	0.0001 ppm
3 Se 196.026	25.5	33.3	0.0102 mg/L	0.0102 ppm
3 Tl 190.800	-39.6	5.0	0.0016 mg/L	0.0016 ppm
3 V 292.402	7281.9	6957.1	0.0709 mg/L	0.0709 ppm
3 Zn 213.856	304.1	354.1	0.0067 mg/L	0.0067 ppm

Mean Data

ID: 2842-3 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: 04/25/03 12:24:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	122.6	0.0016	0.00122	mg/L	0.0016	0.00122	ppm	74.25%
Al 308.215	5236.2	0.5722	0.02568	mg/L	0.5722	0.02568	ppm	4.49%
As 188.979	16.2	0.0060	0.00183	mg/L	0.0060	0.00183	ppm	30.46%
Ba 233.527	9697.7	0.0896	0.00135	mg/L	0.0896	0.00135	ppm	1.50%
Be 313.107	192.0	0.0001	0.00004	mg/L	0.0001	0.00004	ppm	47.08%
Ca 227.547	5230.8	63.66	0.273	mg/L	63.66	0.273	ppm	0.43%
Cd 228.802	-8.4	-0.0002	0.00013	mg/L	-0.0002	0.00013	ppm	63.30%
Co 228.616	144.2	0.0040	0.00013	mg/L	0.0040	0.00013	ppm	3.29%
Cr 267.716	242.2	0.0054	0.00017	mg/L	0.0054	0.00017	ppm	3.23%
Cu 324.754	442.9	0.0040	0.00137	mg/L	0.0040	0.00137	ppm	34.45%
Fe 273.955	14507.1	0.6967	0.00420	mg/L	0.6967	0.00420	ppm	0.60%
K 766.491	1715865.8	27.50	1.276	mg/L	27.50	1.276	ppm	4.64%
Mg 279.079	623216.8	65.54	1.860	mg/L	65.54	1.860	ppm	2.84%
Mn 257.610	38621.4	0.0921	0.00051	mg/L	0.0921	0.00051	ppm	0.55%
Mo 202.030	74.5	0.0055	0.00036	mg/L	0.0055	0.00036	ppm	6.41%
Na 330.237	471054.2	707.6	6.43	mg/L	707.6	6.43	ppm	0.91%
Ni 231.604	93.9	0.0024	0.00041	mg/L	0.0024	0.00041	ppm	17.12%
Pb 220.353	-54.0	-0.0037	0.00021	mg/L	-0.0037	0.00021	ppm	5.61%
Sb 206.833	2.5	0.0010	0.00081	mg/L	0.0010	0.00081	ppm	81.85%
Se 196.026	27.5	0.0084	0.00222	mg/L	0.0084	0.00222	ppm	26.30%
Tl 190.800	-6.7	-0.0022	0.00332	mg/L	-0.0022	0.00332	ppm	150.83%
V 292.402	6882.0	0.0702	0.00067	mg/L	0.0702	0.00067	ppm	0.95%
Zn 213.856	358.8	0.0068	0.00022	mg/L	0.0068	0.00022	ppm	3.26%

Calibration Summary

Method: 23ME Date: 04/25/03 12:26:04 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555
Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933
K 766.491	3	Non-Linear	-1078.6	49933.0	453.88738	0.997973
Mg 279.079	3	Linear-thru-Zero	0.0	9509.7	0.00000	0.999886
Mn 257.610	3	Linear-thru-Zero	0.0	419158.0	0.00000	0.999852
Mo 202.030	3	Linear-thru-Zero	0.0	13429.3	0.00000	0.999845
Na 330.237	3	Non-Linear	-106.8	421.9	0.34487	0.999110
Ni 231.604	3	Linear-thru-Zero	0.0	39621.0	0.00000	0.999974
Pb 220.353	3	Linear-thru-Zero	0.0	14428.2	0.00000	0.999960
Sb 206.833	3	Linear-thru-Zero	0.0	2506.0	0.00000	0.999920
Se 196.026	3	Linear-thru-Zero	0.0	3255.7	0.00000	0.999926
Tl 190.800	3	Linear-thru-Zero	0.0	3052.1	0.00000	0.999959
V 292.402	3	Linear-thru-Zero	0.0	98088.9	0.00000	0.999950
Zn 213.856	3	Linear-thru-Zero	0.0	52893.5	0.00000	0.999984

Replicate Data
ID: 2842-3 F=5 Date: 04/25/03 12:27:18 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-307.9	112.8	0.0015	mg/L	0.0076	ppm
1	Al 308.215	1521.3	1123.1	0.1227	mg/L	0.6136	ppm
1	As 188.979	-9.7	-4.2	-0.0016	mg/L	-0.0078	ppm
1	Ba 233.527	1517.1	1951.9	0.0180	mg/L	0.0902	ppm
1	Be 313.107	-2209.8	176.3	0.0001	mg/L	0.0004	ppm
1	Ca 227.547	1035.1	1075.7	13.09	mg/L	65.46	ppm
1	Cd 228.802	126.2	-4.2	-0.0001	mg/L	-0.0005	ppm
1	Co 228.616	103.6	29.7	0.0008	mg/L	0.0041	ppm
1	Cr 267.716	-13.1	67.7	0.0015	mg/L	0.0075	ppm
1	Cu 324.754	500.8	-22.6	-0.0002	mg/L	-0.0010	ppm
1	Fe 273.955	2719.4	2914.5	0.1400	mg/L	0.7001	ppm
1	K 766.491	272053.5	264288.3	5.080	mg/L	25.40	ppm
1	Mg 279.079	128596.4	129675.3	13.64	mg/L	68.18	ppm
1	Mn 257.610	4243.7	7725.6	0.0184	mg/L	0.0922	ppm
1	Mo 202.030	-111.4	10.3	0.0008	mg/L	0.0038	ppm
1	Na 330.237	93498.6	92177.3	189.4	mg/L	947.1	ppm
1	Ni 231.604	-32.0	39.8	0.0010	mg/L	0.0050	ppm
1	Pb 220.353	334.8	-15.7	-0.0011	mg/L	-0.0054	ppm
1	Sb 206.833	27.1	-19.4	-0.0077	mg/L	-0.0387	ppm
1	Se 196.026	0.5	8.3	0.0025	mg/L	0.0127	ppm
1	Tl 190.800	-40.7	3.9	0.0013	mg/L	0.0064	ppm
1	V 292.402	1719.1	1394.3	0.0142	mg/L	0.0711	ppm
1	Zn 213.856	4.0	54.0	0.0010	mg/L	0.0051	ppm
2	Ag 328.068	-459.7	-39.1	-0.0005	mg/L	-0.0026	ppm
2	Al 308.215	1398.5	1000.4	0.1093	mg/L	0.5466	ppm
2	As 188.979	-8.4	-2.9	-0.0011	mg/L	-0.0053	ppm
2	Ba 233.527	1480.2	1915.0	0.0177	mg/L	0.0885	ppm
2	Be 313.107	-2371.1	15.0	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	1024.9	1065.6	12.97	mg/L	64.84	ppm
2	Cd 228.802	126.4	-4.1	-0.0001	mg/L	-0.0005	ppm
2	Co 228.616	129.7	55.8	0.0015	mg/L	0.0077	ppm
2	Cr 267.716	-16.4	64.4	0.0014	mg/L	0.0072	ppm
2	Cu 324.754	572.3	49.0	0.0004	mg/L	0.0022	ppm
2	Fe 273.955	2686.6	2881.7	0.1384	mg/L	0.6921	ppm
2	K 766.491	246609.4	238844.2	4.612	mg/L	23.06	ppm
2	Mg 279.079	113154.5	114233.4	12.01	mg/L	60.06	ppm
2	Mn 257.610	4145.1	7627.0	0.0182	mg/L	0.0910	ppm
2	Mo 202.030	-94.9	26.8	0.0020	mg/L	0.0100	ppm
2	Na 330.237	82626.7	81305.3	169.5	mg/L	847.5	ppm
2	Ni 231.604	-41.9	29.9	0.0008	mg/L	0.0038	ppm
2	Pb 220.353	342.4	-8.1	-0.0006	mg/L	-0.0028	ppm
2	Sb 206.833	35.9	-10.6	-0.0042	mg/L	-0.0212	ppm
2	Se 196.026	-2.1	5.7	0.0018	mg/L	0.0088	ppm
2	Tl 190.800	-43.8	0.8	0.0003	mg/L	0.0013	ppm
2	V 292.402	1451.7	1126.8	0.0115	mg/L	0.0574	ppm
2	Zn 213.856	10.5	60.5	0.0011	mg/L	0.0057	ppm
3	Ag 328.068	-343.6	77.1	0.0010	mg/L	0.0052	ppm
3	Al 308.215	1459.3	1061.1	0.1160	mg/L	0.5798	ppm
3	As 188.979	-4.4	1.1	0.0004	mg/L	0.0020	ppm
3	Ba 233.527	1501.6	1936.4	0.0179	mg/L	0.0894	ppm
3	Be 313.107	-2122.0	264.1	0.0001	mg/L	0.0005	ppm
3	Ca 227.547	1039.3	1080.0	13.14	mg/L	65.71	ppm
3	Cd 228.802	122.6	-7.8	-0.0002	mg/L	-0.0009	ppm
3	Co 228.616	111.5	37.7	0.0010	mg/L	0.0052	ppm
3	Cr 267.716	-19.7	61.1	0.0014	mg/L	0.0068	ppm
3	Cu 324.754	488.9	-34.4	-0.0003	mg/L	-0.0015	ppm
3	Fe 273.955	2660.8	2855.9	0.1372	mg/L	0.6859	ppm
3	K 766.491	255796.6	248031.4	4.781	mg/L	23.91	ppm
3	Mg 279.079	113222.0	114300.8	12.02	mg/L	60.10	ppm
3	Mn 257.610	4237.1	7719.0	0.0184	mg/L	0.0921	ppm
3	Mo 202.030	-110.7	10.9	0.0008	mg/L	0.0041	ppm
3	Na 330.237	84032.8	82711.5	172.1	mg/L	860.5	ppm
3	Ni 231.604	-40.4	31.5	0.0008	mg/L	0.0040	ppm
3	Pb 220.353	327.3	-23.2	-0.0016	mg/L	-0.0080	ppm
3	Sb 206.833	39.0	-7.6	-0.0030	mg/L	-0.0152	ppm

3 Se 196.026	8.5	16.3	0.0050 mg/L	0.0250 ppm	
3 Tl 190.800	-48.9	-4.4	-0.0014 mg/L	-0.0072 ppm	
3 V 292.402	1614.0	1289.1	0.0131 mg/L	0.0657 ppm	
3 Zn 213.856	3.5	53.4	0.0010 mg/L	0.0051 ppm	

Mean Data

ID: 2842-3 F=5 Seq. No.: 24 Sample No.: 1 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 04/25/03 12:27:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	50.2	0.0007	0.00106	mg/L	0.0034	0.00532	ppm	158.02%
Al 308.215	1061.5	0.1160	0.00671	mg/L	0.5800	0.03353	ppm	5.78%
As 188.979	-2.0	-0.0007	0.00102	mg/L	-0.0037	0.00512	ppm	138.47%
Ba 233.527	1934.4	0.0179	0.00017	mg/L	0.0894	0.00086	ppm	0.96%
Be 313.107	151.8	0.0001	0.00005	mg/L	0.0003	0.00026	ppm	83.24%
Ca 227.547	1073.8	13.07	0.090	mg/L	65.33	0.450	ppm	0.69%
Cd 228.802	-5.4	-0.0001	0.00005	mg/L	-0.0006	0.00025	ppm	39.32%
Co 228.616	41.1	0.0011	0.00037	mg/L	0.0057	0.00186	ppm	32.62%
Cr 267.716	64.4	0.0014	0.00007	mg/L	0.0072	0.00036	ppm	5.08%
Cu 324.754	-2.7	0.0000	0.00040	mg/L	-0.0001	0.00202	ppm	>999.9%
Fe 273.955	2884.0	0.1385	0.00143	mg/L	0.6927	0.00714	ppm	1.03%
K 766.491	250388.0	4.824	0.2371	mg/L	24.12	1.186	ppm	4.92%
Mg 279.079	119403.2	12.56	0.935	mg/L	62.78	4.677	ppm	7.45%
Mn 257.610	7690.5	0.0183	0.00013	mg/L	0.0917	0.00066	ppm	0.72%
Mo 202.030	16.0	0.0012	0.00070	mg/L	0.0060	0.00348	ppm	58.40%
Na 330.237	85398.1	177.0	10.83	mg/L	885.0	54.15	ppm	6.12%
Ni 231.604	33.7	0.0009	0.00013	mg/L	0.0043	0.00067	ppm	15.79%
Pb 220.353	-15.7	-0.0011	0.00052	mg/L	-0.0054	0.00261	ppm	48.03%
Sb 206.833	-12.5	-0.0050	0.00245	mg/L	-0.0250	0.01224	ppm	48.90%
Se 196.026	10.1	0.0031	0.00169	mg/L	0.0155	0.00844	ppm	54.43%
Tl 190.800	0.1	0.0000	0.00137	mg/L	0.0002	0.00686	ppm	>999.9%
V 292.402	1270.1	0.0129	0.00137	mg/L	0.0647	0.00687	ppm	10.61%
Zn 213.856	56.0	0.0011	0.00007	mg/L	0.0053	0.00037	ppm	7.02%

Replicate Data

ID: 2842-7 F=1 Date: 04/25/03 12:30:47 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-202.1	218.5	0.0029	mg/L	0.0029	ppm
1	Al 308.215	1512.5	1114.3	0.1218	mg/L	0.1218	ppm
1	As 188.979	8.4	13.9	0.0052	mg/L	0.0052	ppm
1	Ba 233.527	4693.2	5127.9	0.0474	mg/L	0.0474	ppm
1	Be 313.107	-2141.9	244.2	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	792.9	833.6	10.14	mg/L	10.14	ppm
1	Cd 228.802	130.7	0.3	0.0000	mg/L	0.0000	ppm
1	Co 228.616	93.5	19.7	0.0005	mg/L	0.0005	ppm
1	Cr 267.716	80.2	161.0	0.0036	mg/L	0.0036	ppm
1	Cu 324.754	661.1	137.7	0.0012	mg/L	0.0012	ppm
1	Fe 273.955	47923.4	48118.5	2.315	mg/L	2.315	ppm
1	K 766.491	3020056.8	3012291.6	43.30	mg/L	43.30	ppm
1	Mg 279.079	194242.3	195321.2	20.54	mg/L	20.54	ppm
1	Mn 257.610	33266.8	36748.7	0.0877	mg/L	0.0877	ppm
1	Mo 202.030	961.7	1083.4	0.0807	mg/L	0.0807	ppm
1	Na 330.237	289537.2	288215.9	488.4	mg/L	488.4	ppm
1	Ni 231.604	77.7	149.5	0.0038	mg/L	0.0038	ppm
1	Pb 220.353	298.8	-51.7	-0.0036	mg/L	-0.0036	ppm
1	Sb 206.833	44.3	-2.3	-0.0009	mg/L	-0.0009	ppm
1	Se 196.026	6.5	14.3	0.0044	mg/L	0.0044	ppm
1	Tl 190.800	-48.8	-4.2	-0.0014	mg/L	-0.0014	ppm
1	V 292.402	1118.0	793.2	0.0081	mg/L	0.0081	ppm
1	Zn 213.856	730.1	780.1	0.0147	mg/L	0.0147	ppm
2	Ag 328.068	-379.7	40.9	0.0005	mg/L	0.0005	ppm
2	Al 308.215	1707.2	1309.0	0.1430	mg/L	0.1430	ppm
2	As 188.979	13.3	18.8	0.0070	mg/L	0.0070	ppm
2	Ba 233.527	4636.1	5070.9	0.0468	mg/L	0.0468	ppm
2	Be 313.107	-2230.7	155.4	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	789.3	830.0	10.10	mg/L	10.10	ppm
2	Cd 228.802	125.2	-5.2	-0.0001	mg/L	-0.0001	ppm

2	Co 228.616	112.6	38.7	0.0011 mg/L	0.0011 ppm
2	Cr 267.716	77.4	158.1	0.0035 mg/L	0.0035 ppm
2	Cu 324.754	767.1	243.8	0.0022 mg/L	0.0022 ppm
2	Fe 273.955	46237.2	46432.3	2.234 mg/L	2.234 ppm
2	K 766.491	3321407.5	3313642.3	46.62 mg/L	46.62 ppm
2	Mg 279.079	187719.5	188798.3	19.85 mg/L	19.85 ppm
2	Mn 257.610	31885.8	35367.7	0.0844 mg/L	0.0844 ppm
2	Mo 202.030	951.0	1072.6	0.0799 mg/L	0.0799 ppm
2	Na 330.237	287085.3	285764.0	485.2 mg/L	485.2 ppm
2	Ni 231.604	83.1	154.9	0.0039 mg/L	0.0039 ppm
2	Pb 220.353	292.7	-57.8	-0.0040 mg/L	-0.0040 ppm
2	Sb 206.833	38.6	-7.9	-0.0032 mg/L	-0.0032 ppm
2	Se 196.026	-5.4	2.4	0.0007 mg/L	0.0007 ppm
2	Tl 190.800	-44.2	0.4	0.0001 mg/L	0.0001 ppm
2	V 292.402	1193.6	868.7	0.0089 mg/L	0.0089 ppm
2	Zn 213.856	705.6	755.6	0.0143 mg/L	0.0143 ppm
3	Ag 328.068	-274.8	145.9	0.0020 mg/L	0.0020 ppm
3	Al 308.215	1700.9	1302.7	0.1424 mg/L	0.1424 ppm
3	As 188.979	4.6	10.1	0.0038 mg/L	0.0038 ppm
3	Ba 233.527	4653.9	5088.7	0.0470 mg/L	0.0470 ppm
3	Be 313.107	-2169.6	216.5	0.0001 mg/L	0.0001 ppm
3	Ca 227.547	811.4	852.1	10.37 mg/L	10.37 ppm
3	Cd 228.802	125.9	-4.6	-0.0001 mg/L	-0.0001 ppm
3	Co 228.616	97.2	23.3	0.0006 mg/L	0.0006 ppm
3	Cr 267.716	58.9	139.7	0.0031 mg/L	0.0031 ppm
3	Cu 324.754	776.9	253.5	0.0023 mg/L	0.0023 ppm
3	Fe 273.955	48802.2	48997.3	2.357 mg/L	2.357 ppm
3	K 766.491	3573365.5	3565600.3	49.32 mg/L	49.32 ppm
3	Mg 279.079	196770.3	197849.2	20.81 mg/L	20.81 ppm
3	Mn 257.610	34187.6	37669.5	0.0899 mg/L	0.0899 ppm
3	Mo 202.030	962.1	1083.7	0.0807 mg/L	0.0807 ppm
3	Na 330.237	312096.4	310775.1	517.8 mg/L	517.8 ppm
3	Ni 231.604	89.3	161.1	0.0041 mg/L	0.0041 ppm
3	Pb 220.353	326.2	-24.3	-0.0017 mg/L	-0.0017 ppm
3	Sb 206.833	37.8	-8.8	-0.0035 mg/L	-0.0035 ppm
3	Se 196.026	-2.9	4.9	0.0015 mg/L	0.0015 ppm
3	Tl 190.800	-47.5	-3.0	-0.0010 mg/L	-0.0010 ppm
3	V 292.402	1250.1	925.2	0.0094 mg/L	0.0094 ppm
3	Zn 213.856	719.8	769.8	0.0146 mg/L	0.0146 ppm

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

ID: 2842-7 F=1 Seq. No.: 25 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: 04/25/03 12:30:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	135.1	0.0018	0.00120	mg/L	0.0018	0.00120	ppm	66.09%
Al 308.215	1242.0	0.1357	0.01209	mg/L	0.1357	0.01209	ppm	8.91%
As 188.979	14.3	0.0053	0.00162	mg/L	0.0053	0.00162	ppm	30.50%
Ba 233.527	5095.8	0.0471	0.00027	mg/L	0.0471	0.00027	ppm	0.57%
Be 313.107	205.3	0.0001	0.00002	mg/L	0.0001	0.00002	ppm	22.13%
Ca 227.547	838.5	10.20	0.144	mg/L	10.20	0.144	ppm	1.41%
Cd 228.802	-3.2	-0.0001	0.00007	mg/L	-0.0001	0.00007	ppm	95.50%
Co 228.616	27.2	0.0008	0.00028	mg/L	0.0008	0.00028	ppm	37.18%
Cr 267.716	153.0	0.0034	0.00026	mg/L	0.0034	0.00026	ppm	7.55%
Cu 324.754	211.7	0.0019	0.00058	mg/L	0.0019	0.00058	ppm	30.35%
Fe 273.955	47849.4	2.302	0.0627	mg/L	2.302	0.0627	ppm	2.72%
K 766.491	3297178.1	46.42	3.013	mg/L	46.42	3.013	ppm	6.49%
Mg 279.079	193989.6	20.40	0.491	mg/L	20.40	0.491	ppm	2.41%
Mn 257.610	36595.3	0.0873	0.00276	mg/L	0.0873	0.00276	ppm	3.17%
Mo 202.030	1079.9	0.0804	0.00047	mg/L	0.0804	0.00047	ppm	0.58%
Na 330.237	294918.3	497.1	17.95	mg/L	497.1	17.95	ppm	3.61%
Ni 231.604	155.2	0.0039	0.00015	mg/L	0.0039	0.00015	ppm	3.74%
Pb 220.353	-44.6	-0.0031	0.00124	mg/L	-0.0031	0.00124	ppm	39.99%
Sb 206.833	-6.3	-0.0025	0.00141	mg/L	-0.0025	0.00141	ppm	55.73%
Se 196.026	7.2	0.0022	0.00192	mg/L	0.0022	0.00192	ppm	87.29%
Tl 190.800	-2.3	-0.0007	0.00078	mg/L	-0.0007	0.00078	ppm	104.72%
V 292.402	862.4	0.0088	0.00068	mg/L	0.0088	0.00068	ppm	7.68%
Zn 213.856	768.5	0.0145	0.00023	mg/L	0.0145	0.00023	ppm	1.60%

Calibration Summary ----------

Method: 23ME Date: 04/25/03 12:32:37 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555
Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933
K 766.491	3	Non-Linear	-1078.6	49933.0	453.88738	0.997973
Mg 279.079	3	Linear-thru-Zero	0.0	9509.7	0.00000	0.999886
Mn 257.610	3	Linear-thru-Zero	0.0	419158.0	0.00000	0.999852
Mo 202.030	3	Linear-thru-Zero	0.0	13429.3	0.00000	0.999845
Na 330.237	3	Non-Linear	-106.8	421.9	0.34487	0.999110
Ni 231.604	3	Linear-thru-Zero	0.0	39621.0	0.00000	0.999974
Pb 220.353	3	Linear-thru-Zero	0.0	14428.2	0.00000	0.999960
Sb 206.833	3	Linear-thru-Zero	0.0	2506.0	0.00000	0.999920
Se 196.026	3	Linear-thru-Zero	0.0	3255.7	0.00000	0.999926
Tl 190.800	3	Linear-thru-Zero	0.0	3052.1	0.00000	0.999959
V 292.402	3	Linear-thru-Zero	0.0	98088.9	0.00000	0.999950
Zn 213.856	3	Linear-thru-Zero	0.0	52893.5	0.00000	0.999984

Replicate Data

ID: 2842-7 F=5 Date: 04/25/03 12:33:53 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-327.0	93.7	0.0013	mg/L	0.0063	ppm
1	Al 308.215	1158.1	759.9	0.0830	mg/L	0.4152	ppm
1	As 188.979	-0.4	5.1	0.0019	mg/L	0.0095	ppm
1	Ba 233.527	632.5	1067.3	0.0099	mg/L	0.0493	ppm
1	Be 313.107	-2304.5	81.7	0.0000	mg/L	0.0002	ppm
1	Ca 227.547	156.6	197.2	2.400	mg/L	12.00	ppm
1	Cd 228.802	135.9	5.5	0.0001	mg/L	0.0007	ppm
1	Co 228.616	81.3	7.4	0.0002	mg/L	0.0010	ppm
1	Cr 267.716	-33.0	47.8	0.0011	mg/L	0.0053	ppm
1	Cu 324.754	496.4	-27.0	-0.0002	mg/L	-0.0012	ppm
1	Fe 273.955	9520.1	9715.2	0.4674	mg/L	2.337	ppm
1	K 766.491	476893.3	469128.1	8.725	mg/L	43.62	ppm
1	Mg 279.079	39653.0	40731.9	4.283	mg/L	21.42	ppm
1	Mn 257.610	3925.3	7407.1	0.0177	mg/L	0.0884	ppm
1	Mo 202.030	97.8	219.5	0.0163	mg/L	0.0817	ppm
1	Na 330.237	54572.1	53250.8	115.6	mg/L	577.8	ppm
1	Ni 231.604	-43.4	28.5	0.0007	mg/L	0.0036	ppm
1	Pb 220.353	326.1	-24.4	-0.0017	mg/L	-0.0084	ppm
1	Sb 206.833	14.9	-31.6	-0.0126	mg/L	-0.0631	ppm
1	Se 196.026	1.4	9.2	0.0028	mg/L	0.0142	ppm
1	Tl 190.800	-45.5	-0.9	-0.0003	mg/L	-0.0015	ppm
1	V 292.402	505.2	180.4	0.0018	mg/L	0.0092	ppm
1	Zn 213.856	126.0	176.0	0.0033	mg/L	0.0166	ppm
2	Ag 328.068	-384.7	36.0	0.0005	mg/L	0.0024	ppm
2	Al 308.215	907.7	509.5	0.0557	mg/L	0.2784	ppm
2	As 188.979	-12.6	-7.0	-0.0026	mg/L	-0.0131	ppm
2	Ba 233.527	636.2	1071.0	0.0099	mg/L	0.0495	ppm
2	Be 313.107	-2425.1	-39.0	0.0000	mg/L	-0.0001	ppm
2	Ca 227.547	168.6	209.3	2.547	mg/L	12.73	ppm
2	Cd 228.802	138.1	7.6	0.0002	mg/L	0.0009	ppm
2	Co 228.616	83.9	10.0	0.0003	mg/L	0.0014	ppm
2	Cr 267.716	-38.1	42.7	0.0010	mg/L	0.0048	ppm
2	Cu 324.754	559.3	36.0	0.0003	mg/L	0.0016	ppm
2	Fe 273.955	9206.3	9401.4	0.4523	mg/L	2.261	ppm
2	K 766.491	509919.6	502154.4	9.293	mg/L	46.47	ppm
2	Mg 279.079	38391.2	39470.1	4.151	mg/L	20.75	ppm
2	Mn 257.610	3796.6	7278.5	0.0174	mg/L	0.0868	ppm

2	Mo 202.030	87.8	209.5	0.0156 mg/L	0.0780 ppm
2	Na 330.237	54656.0	53334.7	115.7 mg/L	578.6 ppm
2	Ni 231.604	-29.7	42.2	0.0011 mg/L	0.0053 ppm
2	Pb 220.353	327.7	-22.8	-0.0016 mg/L	-0.0079 ppm
2	Sb 206.833	25.1	-21.4	-0.0085 mg/L	-0.0427 ppm
2	Se 196.026	-6.6	1.2	0.0004 mg/L	0.0019 ppm
2	Tl 190.800	-45.1	-0.6	-0.0002 mg/L	-0.0009 ppm
2	V 292.402	602.1	277.3	0.0028 mg/L	0.0141 ppm
2	Zn 213.856	111.3	161.2	0.0030 mg/L	0.0152 ppm
3	Ag 328.068	-323.6	97.0	0.0013 mg/L	0.0065 ppm
3	Al 308.215	889.8	491.6	0.0537 mg/L	0.2686 ppm
3	As 188.979	-10.8	-5.3	-0.0020 mg/L	-0.0099 ppm
3	Ba 233.527	628.5	1063.3	0.0098 mg/L	0.0491 ppm
3	Be 313.107	-2260.4	125.8	0.0001 mg/L	0.0003 ppm
3	Ca 227.547	164.6	205.3	2.498 mg/L	12.49 ppm
3	Cd 228.802	137.2	6.8	0.0002 mg/L	0.0008 ppm
3	Co 228.616	71.0	-2.9	-0.0001 mg/L	-0.0004 ppm
3	Cr 267.716	-27.6	53.2	0.0012 mg/L	0.0059 ppm
3	Cu 324.754	577.4	54.1	0.0005 mg/L	0.0024 ppm
3	Fe 273.955	8887.6	9082.7	0.4369 mg/L	2.185 ppm
3	K 766.491	504115.9	496350.7	9.194 mg/L	45.97 ppm
3	Mg 279.079	36856.6	37935.5	3.989 mg/L	19.95 ppm
3	Mn 257.610	3796.7	7278.6	0.0174 mg/L	0.0868 ppm
3	Mo 202.030	89.1	210.8	0.0157 mg/L	0.0785 ppm
3	Na 330.237	52844.8	51523.5	112.1 mg/L	560.6 ppm
3	Ni 231.604	-38.8	33.0	0.0008 mg/L	0.0042 ppm
3	Pb 220.353	321.3	-29.2	-0.0020 mg/L	-0.0101 ppm
3	Sb 206.833	24.0	-22.6	-0.0090 mg/L	-0.0451 ppm
3	Se 196.026	1.9	9.7	0.0030 mg/L	0.0149 ppm
3	Tl 190.800	-39.6	5.0	0.0016 mg/L	0.0082 ppm
3	V 292.402	447.7	122.9	0.0013 mg/L	0.0063 ppm
3	Zn 213.856	133.3	183.2	0.0035 mg/L	0.0173 ppm

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

ID: 2842-7 F=5 Seq. No.: 26 Sample No.: 1 A/S Pos: 20

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0

Data: Original Date: 04/25/03 12:33:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	75.6	0.0010	0.00046	mg/L	0.0051	0.00230	ppm	45.41%
Al 308.215	587.0	0.0641	0.01639	mg/L	0.3207	0.08196	ppm	25.55%
As 188.979	-2.4	-0.0009	0.00245	mg/L	-0.0045	0.01223	ppm	273.10%
Ba 233.527	1067.2	0.0099	0.00004	mg/L	0.0493	0.00018	ppm	0.36%
Be 313.107	56.1	0.0000	0.00003	mg/L	0.0001	0.00017	ppm	151.90%
Ca 227.547	203.9	2.482	0.0746	mg/L	12.41	0.373	ppm	3.01%
Cd 228.802	6.6	0.0002	0.00003	mg/L	0.0008	0.00013	ppm	16.29%
Co 228.616	4.9	0.0001	0.00019	mg/L	0.0007	0.00094	ppm	140.47%
Cr 267.716	47.9	0.0011	0.00012	mg/L	0.0053	0.00059	ppm	11.01%
Cu 324.754	21.0	0.0002	0.00038	mg/L	0.0009	0.00191	ppm	202.42%
Fe 273.955	9399.8	0.4522	0.01521	mg/L	2.261	0.0761	ppm	3.36%
K 766.491	489211.1	9.071	0.3035	mg/L	45.35	1.518	ppm	3.35%
Mg 279.079	39379.2	4.141	0.1473	mg/L	20.70	0.736	ppm	3.56%
Mn 257.610	7321.4	0.0175	0.00018	mg/L	0.0873	0.00089	ppm	1.01%
Mo 202.030	213.3	0.0159	0.00040	mg/L	0.0794	0.00201	ppm	2.54%
Na 330.237	52703.0	114.5	2.04	mg/L	572.3	10.21	ppm	1.78%
Ni 231.604	34.6	0.0009	0.00018	mg/L	0.0044	0.00088	ppm	20.20%
Pb 220.353	-25.5	-0.0018	0.00023	mg/L	-0.0088	0.00116	ppm	13.10%
Sb 206.833	-25.2	-0.0101	0.00223	mg/L	-0.0503	0.01113	ppm	22.12%
Se 196.026	6.7	0.0021	0.00147	mg/L	0.0103	0.00733	ppm	70.94%
Tl 190.800	1.2	0.0004	0.00109	mg/L	0.0019	0.00543	ppm	281.55%
V 292.402	193.5	0.0020	0.00080	mg/L	0.0099	0.00398	ppm	40.32%
Zn 213.856	173.5	0.0033	0.00021	mg/L	0.0164	0.00106	ppm	6.46%

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

ID: 2842-9 F=1 Date: 04/25/03 12:37:27 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-296.4	124.2	0.0017	mg/L	0.0017	ppm
1	Al 308.215	433.4	35.2	0.0038	mg/L	0.0038	ppm

1	As 188.979	-0.5	5.0	0.0019 mg/L	0.0019 ppm
1	Ba 233.527	4730.4	5165.2	0.0477 mg/L	0.0477 ppm
1	Be 313.107	-2213.1	173.1	0.0001 mg/L	0.0001 ppm
1	Ca 227.547	2260.3	2301.0	28.00 mg/L	28.00 ppm
1	Cd 228.802	127.4	-3.0	-0.0001 mg/L	-0.0001 ppm
1	Co 228.616	60.1	-13.7	-0.0004 mg/L	-0.0004 ppm
1	Cr 267.716	92.2	173.0	0.0039 mg/L	0.0039 ppm
1	Cu 324.754	756.0	232.7	0.0021 mg/L	0.0021 ppm
1	Fe 273.955	51375.3	51570.4	2.481 mg/L	2.481 ppm
1	K 766.491	6064250.7	6056485.5	72.95 mg/L	72.95 ppm
1	Mg 279.079	550393.4	551472.3	57.99 mg/L	57.99 ppm
1	Mn 257.610	71494.6	74976.5	0.1789 mg/L	0.1789 ppm
1	Mo 202.030	420.7	542.4	0.0404 mg/L	0.0404 ppm
1	Na 330.237	683625.5	682304.2	922.3 mg/L	922.3 ppm
1	Ni 231.604	121.5	193.3	0.0049 mg/L	0.0049 ppm
1	Pb 220.353	273.4	-77.1	-0.0053 mg/L	-0.0053 ppm
1	Sb 206.833	46.7	0.2	0.0001 mg/L	0.0001 ppm
1	Se 196.026	-1.9	5.9	0.0018 mg/L	0.0018 ppm
1	Tl 190.800	-50.3	-5.7	-0.0019 mg/L	-0.0019 ppm
1	V 292.402	911.8	587.0	0.0060 mg/L	0.0060 ppm
1	Zn 213.856	65.0	114.9	0.0022 mg/L	0.0022 ppm
2	Ag 328.068	-206.3	214.3	0.0029 mg/L	0.0029 ppm
2	Al 308.215	619.5	221.3	0.0242 mg/L	0.0242 ppm
2	As 188.979	3.5	9.0	0.0033 mg/L	0.0033 ppm
2	Ba 233.527	4635.3	5070.1	0.0468 mg/L	0.0468 ppm
2	Be 313.107	-2151.2	234.9	0.0001 mg/L	0.0001 ppm
2	Ca 227.547	2262.6	2303.3	28.03 mg/L	28.03 ppm
2	Cd 228.802	118.3	-12.1	-0.0003 mg/L	-0.0003 ppm
2	Co 228.616	64.3	-9.6	-0.0003 mg/L	-0.0003 ppm
2	Cr 267.716	73.1	153.9	0.0034 mg/L	0.0034 ppm
2	Cu 324.754	963.1	439.7	0.0039 mg/L	0.0039 ppm
2	Fe 273.955	49504.3	49699.4	2.391 mg/L	2.391 ppm
2	K 766.491	6143862.8	6136097.6	73.63 mg/L	73.63 ppm
2	Mg 279.079	526492.6	527571.5	55.48 mg/L	55.48 ppm
2	Mn 257.610	68535.8	72017.7	0.1718 mg/L	0.1718 ppm
2	Mo 202.030	410.4	532.0	0.0396 mg/L	0.0396 ppm
2	Na 330.237	681889.7	680568.4	920.6 mg/L	920.6 ppm
2	Ni 231.604	100.6	172.4	0.0044 mg/L	0.0044 ppm
2	Pb 220.353	267.6	-82.9	-0.0057 mg/L	-0.0057 ppm
2	Sb 206.833	44.2	-2.4	-0.0009 mg/L	-0.0009 ppm
2	Se 196.026	7.5	15.3	0.0047 mg/L	0.0047 ppm
2	Tl 190.800	-48.5	-3.9	-0.0013 mg/L	-0.0013 ppm
2	V 292.402	892.7	567.9	0.0058 mg/L	0.0058 ppm
2	Zn 213.856	55.2	105.2	0.0020 mg/L	0.0020 ppm
3	Ag 328.068	-333.7	86.9	0.0012 mg/L	0.0012 ppm
3	Al 308.215	283.4	-114.8	-0.0125 mg/L	-0.0125 ppm
3	As 188.979	4.6	10.2	0.0038 mg/L	0.0038 ppm
3	Ba 233.527	4617.5	5052.2	0.0467 mg/L	0.0467 ppm
3	Be 313.107	-2089.1	297.0	0.0001 mg/L	0.0001 ppm
3	Ca 227.547	2274.8	2315.5	28.18 mg/L	28.18 ppm
3	Cd 228.802	113.7	-16.8	-0.0004 mg/L	-0.0004 ppm
3	Co 228.616	61.6	-12.2	-0.0003 mg/L	-0.0003 ppm
3	Cr 267.716	88.0	168.8	0.0038 mg/L	0.0038 ppm
3	Cu 324.754	764.2	240.9	0.0022 mg/L	0.0022 ppm
3	Fe 273.955	48918.0	49113.1	2.363 mg/L	2.363 ppm
3	K 766.491	6645043.1	6637277.9	77.85 mg/L	77.85 ppm
3	Mg 279.079	521148.3	522227.1	54.92 mg/L	54.92 ppm
3	Mn 257.610	68216.1	71697.9	0.1711 mg/L	0.1711 ppm
3	Mo 202.030	416.6	538.3	0.0401 mg/L	0.0401 ppm
3	Na 330.237	693868.6	692547.3	931.9 mg/L	931.9 ppm
3	Ni 231.604	120.9	192.7	0.0049 mg/L	0.0049 ppm
3	Pb 220.353	267.2	-83.3	-0.0058 mg/L	-0.0058 ppm
3	Sb 206.833	38.7	-7.8	-0.0031 mg/L	-0.0031 ppm
3	Se 196.026	9.9	17.7	0.0054 mg/L	0.0054 ppm
3	Tl 190.800	-48.4	-3.8	-0.0013 mg/L	-0.0013 ppm
3	V 292.402	1001.3	676.4	0.0069 mg/L	0.0069 ppm
3	Zn 213.856	63.5	113.4	0.0021 mg/L	0.0021 ppm

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

ID: 2842-9 F=1 Seq. No.: 27 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: 04/25/03 12:37:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	141.8	0.0019	0.00088	mg/L	0.0019	0.00088	ppm	46.19%
Al 308.215	47.2	0.0052	0.01840	mg/L	0.0052	0.01840	ppm	356.77%
As 188.979	8.0	0.0030	0.00101	mg/L	0.0030	0.00101	ppm	33.66%
Ba 233.527	5095.8	0.0471	0.00056	mg/L	0.0471	0.00056	ppm	1.19%
Be 313.107	235.0	0.0001	0.00003	mg/L	0.0001	0.00003	ppm	26.37%
Ca 227.547	2306.6	28.07	0.095	mg/L	28.07	0.095	ppm	0.34%
Cd 228.802	-10.6	-0.0003	0.00017	mg/L	-0.0003	0.00017	ppm	65.71%
Co 228.616	-11.8	-0.0003	0.00006	mg/L	-0.0003	0.00006	ppm	17.76%
Cr 267.716	165.2	0.0037	0.00022	mg/L	0.0037	0.00022	ppm	6.07%
Cu 324.754	304.4	0.0027	0.00105	mg/L	0.0027	0.00105	ppm	38.51%
Fe 273.955	50127.6	2.411	0.0618	mg/L	2.411	0.0618	ppm	2.56%
K 766.491	6276620.3	74.81	2.657	mg/L	74.81	2.657	ppm	3.55%
Mg 279.079	533756.9	56.13	1.638	mg/L	56.13	1.638	ppm	2.92%
Mn 257.610	72897.4	0.1739	0.00431	mg/L	0.1739	0.00431	ppm	2.48%
Mo 202.030	537.6	0.0400	0.00039	mg/L	0.0400	0.00039	ppm	0.97%
Na 330.237	685140.0	924.9	6.10	mg/L	924.9	6.10	ppm	0.66%
Ni 231.604	186.2	0.0047	0.00030	mg/L	0.0047	0.00030	ppm	6.40%
Pb 220.353	-81.1	-0.0056	0.00024	mg/L	-0.0056	0.00024	ppm	4.26%
Sb 206.833	-3.3	-0.0013	0.00163	mg/L	-0.0013	0.00163	ppm	122.35%
Se 196.026	13.0	0.0040	0.00190	mg/L	0.0040	0.00190	ppm	47.81%
Tl 190.800	-4.5	-0.0015	0.00034	mg/L	-0.0015	0.00034	ppm	23.19%
V 292.402	610.4	0.0062	0.00059	mg/L	0.0062	0.00059	ppm	9.49%
Zn 213.856	111.2	0.0021	0.00010	mg/L	0.0021	0.00010	ppm	4.71%

Calibration Summary

Method: 23ME Date: 04/25/03 12:38:59 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555
Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933
K 766.491	3	Non-Linear	-1078.6	49933.0	453.88738	0.997973
Mg 279.079	3	Linear-thru-Zero	0.0	9509.7	0.00000	0.999886
Mn 257.610	3	Linear-thru-Zero	0.0	419158.0	0.00000	0.999852
Mo 202.030	3	Linear-thru-Zero	0.0	13429.3	0.00000	0.999845
Na 330.237	3	Non-Linear	-106.8	421.9	0.34487	0.999110
Ni 231.604	3	Linear-thru-Zero	0.0	39621.0	0.00000	0.999974
Pb 220.353	3	Linear-thru-Zero	0.0	14428.2	0.00000	0.999960
Sb 206.833	3	Linear-thru-Zero	0.0	2506.0	0.00000	0.999920
Se 196.026	3	Linear-thru-Zero	0.0	3255.7	0.00000	0.999926
Tl 190.800	3	Linear-thru-Zero	0.0	3052.1	0.00000	0.999959
V 292.402	3	Linear-thru-Zero	0.0	98088.9	0.00000	0.999950
Zn 213.856	3	Linear-thru-Zero	0.0	52893.5	0.00000	0.999984

Replicate Data

ID: 2842-9 F=5 Date: 04/25/03 12:40:15 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-504.2	-83.6	-0.0011	mg/L	-0.0056	ppm
1	Al 308.215	519.8	121.6	0.0133	mg/L	0.0665	ppm
1	As 188.979	-15.4	-9.9	-0.0037	mg/L	-0.0184	ppm
1	Ba 233.527	574.4	1009.2	0.0093	mg/L	0.0466	ppm
1	Be 313.107	-2274.8	111.3	0.0000	mg/L	0.0002	ppm
1	Ca 227.547	418.2	458.8	5.584	mg/L	27.92	ppm
1	Cd 228.802	126.4	-4.0	-0.0001	mg/L	-0.0005	ppm
1	Co 228.616	80.9	7.0	0.0002	mg/L	0.0010	ppm
1	Cr 267.716	-32.0	48.8	0.0011	mg/L	0.0054	ppm

1	Cu 324.754	477.2	-46.2	-0.0004 mg/L	-0.0021 ppm
1	Fe 273.955	9538.5	9733.6	0.4682 mg/L	2.341 ppm
1	K 766.491	930255.5	922490.3	16.13 mg/L	80.65 ppm
1	Mg 279.079	103651.9	104730.8	11.01 mg/L	55.07 ppm
1	Mn 257.610	10486.9	13968.8	0.0333 mg/L	0.1666 ppm
1	Mo 202.030	-13.6	108.1	0.0080 mg/L	0.0402 ppm
1	Na 330.237	127971.7	126650.4	249.6 mg/L	1248 ppm
1	Ni 231.604	-15.9	55.9	0.0014 mg/L	0.0071 ppm
1	Pb 220.353	311.3	-39.2	-0.0027 mg/L	-0.0136 ppm
1	Sb 206.833	22.7	-23.8	-0.0095 mg/L	-0.0476 ppm
1	Se 196.026	0.1	7.9	0.0024 mg/L	0.0121 ppm
1	Tl 190.800	-45.8	-1.2	-0.0004 mg/L	-0.0020 ppm
1	V 292.402	406.3	81.4	0.0008 mg/L	0.0042 ppm
1	Zn 213.856	-28.1	21.9	0.0004 mg/L	0.0021 ppm
2	Ag 328.068	-362.6	58.1	0.0008 mg/L	0.0039 ppm
2	Al 308.215	517.3	119.1	0.0130 mg/L	0.0651 ppm
2	As 188.979	-8.4	-2.9	-0.0011 mg/L	-0.0054 ppm
2	Ba 233.527	567.7	1002.4	0.0093 mg/L	0.0463 ppm
2	Be 313.107	-2322.9	63.2	0.0000 mg/L	0.0001 ppm
2	Ca 227.547	416.4	457.1	5.563 mg/L	27.81 ppm
2	Cd 228.802	103.9	-26.6	-0.0006 mg/L	-0.0032 ppm
2	Co 228.616	91.6	17.8	0.0005 mg/L	0.0025 ppm
2	Cr 267.716	-25.9	54.9	0.0012 mg/L	0.0061 ppm
2	Cu 324.754	558.3	34.9	0.0003 mg/L	0.0016 ppm
2	Fe 273.955	9159.0	9354.1	0.4500 mg/L	2.250 ppm
2	K 766.491	924863.8	917098.6	16.05 mg/L	80.24 ppm
2	Mg 279.079	97909.8	98988.7	10.41 mg/L	52.05 ppm
2	Mn 257.610	9832.6	13314.4	0.0318 mg/L	0.1588 ppm
2	Mo 202.030	-21.1	100.6	0.0075 mg/L	0.0374 ppm
2	Na 330.237	123509.3	122188.0	242.0 mg/L	1210 ppm
2	Ni 231.604	-11.3	60.5	0.0015 mg/L	0.0076 ppm
2	Pb 220.353	330.5	-20.0	-0.0014 mg/L	-0.0069 ppm
2	Sb 206.833	26.4	-20.2	-0.0080 mg/L	-0.0402 ppm
2	Se 196.026	-8.2	-0.4	-0.0001 mg/L	-0.0007 ppm
2	Tl 190.800	-47.2	-2.6	-0.0009 mg/L	-0.0043 ppm
2	V 292.402	220.6	-104.3	-0.0011 mg/L	-0.0053 ppm
2	Zn 213.856	-33.2	16.8	0.0003 mg/L	0.0016 ppm
3	Ag 328.068	-314.3	106.4	0.0014 mg/L	0.0071 ppm
3	Al 308.215	579.1	180.9	0.0198 mg/L	0.0988 ppm
3	As 188.979	0.2	5.7	0.0021 mg/L	0.0106 ppm
3	Ba 233.527	582.9	1017.7	0.0094 mg/L	0.0470 ppm
3	Be 313.107	-2174.7	211.4	0.0001 mg/L	0.0004 ppm
3	Ca 227.547	405.9	446.6	5.435 mg/L	27.17 ppm
3	Cd 228.802	123.0	-7.4	-0.0002 mg/L	-0.0009 ppm
3	Co 228.616	96.5	22.6	0.0006 mg/L	0.0031 ppm
3	Cr 267.716	-0.9	79.9	0.0018 mg/L	0.0089 ppm
3	Cu 324.754	469.8	-53.6	-0.0005 mg/L	-0.0024 ppm
3	Fe 273.955	9148.3	9343.4	0.4495 mg/L	2.247 ppm
3	K 766.491	970034.5	962269.3	16.74 mg/L	83.72 ppm
3	Mg 279.079	98178.1	99257.0	10.44 mg/L	52.19 ppm
3	Mn 257.610	10016.2	13498.1	0.0322 mg/L	0.1610 ppm
3	Mo 202.030	-5.4	116.3	0.0087 mg/L	0.0433 ppm
3	Na 330.237	125313.0	123991.7	245.1 mg/L	1225 ppm
3	Ni 231.604	-18.4	53.5	0.0013 mg/L	0.0067 ppm
3	Pb 220.353	279.1	-71.4	-0.0050 mg/L	-0.0248 ppm
3	Sb 206.833	29.8	-16.7	-0.0067 mg/L	-0.0334 ppm
3	Se 196.026	0.2	8.0	0.0024 mg/L	0.0122 ppm
3	Tl 190.800	-45.4	-0.9	-0.0003 mg/L	-0.0014 ppm
3	V 292.402	521.9	197.0	0.0020 mg/L	0.0100 ppm
3	Zn 213.856	-35.4	14.6	0.0003 mg/L	0.0014 ppm

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

ID: 2842-9 F=5 Seq. No.: 28 Sample No.: 1 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 04/25/03 12:40:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	27.0	0.0004	0.00132	mg/L	0.0018	0.00662	ppm	366.14%
Al 308.215	140.5	0.0154	0.00382	mg/L	0.0768	0.01912	ppm	24.90%
As 188.979	-2.4	-0.0009	0.00290	mg/L	-0.0044	0.01449	ppm	329.87%

Ba 233.527	1009.8	0.0093	0.00007 mg/L	0.0466	0.00035 ppm	0.76%
Be 313.107	128.6	0.0001	0.00003 mg/L	0.0003	0.00015 ppm	58.76%
Ca 227.547	454.2	5.527	0.0808 mg/L	27.64	0.404 ppm	1.46%
Cd 228.802	-12.7	-0.0003	0.00029 mg/L	-0.0015	0.00147 ppm	96.03%
Co 228.616	15.8	0.0004	0.00022 mg/L	0.0022	0.00111 ppm	50.50%
Cr 267.716	61.2	0.0014	0.00037 mg/L	0.0068	0.00183 ppm	26.90%
Cu 324.754	-21.6	-0.0002	0.00044 mg/L	-0.0010	0.00220 ppm	227.20%
Fe 273.955	9477.1	0.4559	0.01070 mg/L	2.280	0.0535 ppm	2.35%
K 766.491	933952.7	16.31	0.381 mg/L	81.54	1.903 ppm	2.33%
Mg 279.079	100992.2	10.62	0.341 mg/L	53.10	1.704 ppm	3.21%
Mn 257.610	13593.8	0.0324	0.00081 mg/L	0.1622	0.00403 ppm	2.48%
Mo 202.030	108.3	0.0081	0.00059 mg/L	0.0403	0.00293 ppm	7.27%
Na 330.237	124276.7	245.5	3.80 mg/L	1228	19.0 ppm	1.55%
Ni 231.604	56.6	0.0014	0.00009 mg/L	0.0071	0.00045 ppm	6.29%
Pb 220.353	-43.5	-0.0030	0.00180 mg/L	-0.0151	0.00901 ppm	59.71%
Sb 206.833	-20.2	-0.0081	0.00142 mg/L	-0.0404	0.00710 ppm	17.58%
Se 196.026	5.1	0.0016	0.00149 mg/L	0.0079	0.00743 ppm	93.90%
Tl 190.800	-1.6	-0.0005	0.00030 mg/L	-0.0026	0.00152 ppm	58.65%
V 292.402	58.1	0.0006	0.00155 mg/L	0.0030	0.00775 ppm	261.74%
Zn 213.856	17.8	0.0003	0.00007 mg/L	0.0017	0.00035 ppm	21.00%

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

ID: 2842-10 F=1 Date: 04/25/03 12:43:44 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-276.4	144.3	0.0019	mg/L	0.0019	ppm
1	Al 308.215	1730.9	1332.7	0.1456	mg/L	0.1456	ppm
1	As 188.979	-4.8	0.7	0.0003	mg/L	0.0003	ppm
1	Ba 233.527	5040.9	5475.7	0.0506	mg/L	0.0506	ppm
1	Be 313.107	-2270.4	115.8	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	644.9	685.6	8.343	mg/L	8.343	ppm
1	Cd 228.802	125.0	-5.4	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	87.7	13.8	0.0004	mg/L	0.0004	ppm
1	Cr 267.716	170.3	251.1	0.0056	mg/L	0.0056	ppm
1	Cu 324.754	862.7	339.4	0.0030	mg/L	0.0030	ppm
1	Fe 273.955	25331.6	25526.7	1.228	mg/L	1.228	ppm
1	K 766.491	2839715.4	2831950.2	41.26	mg/L	41.26	ppm
1	Mg 279.079	183186.0	184264.8	19.38	mg/L	19.38	ppm
1	Mn 257.610	28545.2	32027.0	0.0764	mg/L	0.0764	ppm
1	Mo 202.030	1248.6	1370.2	0.1020	mg/L	0.1020	ppm
1	Na 330.237	392219.9	390898.6	616.3	mg/L	616.3	ppm
1	Ni 231.604	65.4	137.2	0.0035	mg/L	0.0035	ppm
1	Pb 220.353	308.0	-42.5	-0.0029	mg/L	-0.0029	ppm
1	Sb 206.833	43.1	-3.4	-0.0014	mg/L	-0.0014	ppm
1	Se 196.026	2.9	10.7	0.0033	mg/L	0.0033	ppm
1	Tl 190.800	-54.5	-9.9	-0.0032	mg/L	-0.0032	ppm
1	V 292.402	3408.8	3084.0	0.0314	mg/L	0.0314	ppm
1	Zn 213.856	217.5	267.5	0.0051	mg/L	0.0051	ppm
2	Ag 328.068	-474.1	-53.5	-0.0007	mg/L	-0.0007	ppm
2	Al 308.215	1577.3	1179.1	0.1289	mg/L	0.1289	ppm
2	As 188.979	-3.4	2.1	0.0008	mg/L	0.0008	ppm
2	Ba 233.527	4970.5	5405.3	0.0499	mg/L	0.0499	ppm
2	Be 313.107	-2445.3	-59.2	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	648.5	689.2	8.387	mg/L	8.387	ppm
2	Cd 228.802	111.1	-19.4	-0.0005	mg/L	-0.0005	ppm
2	Co 228.616	92.5	18.6	0.0005	mg/L	0.0005	ppm
2	Cr 267.716	185.1	265.9	0.0059	mg/L	0.0059	ppm
2	Cu 324.754	704.8	181.5	0.0016	mg/L	0.0016	ppm
2	Fe 273.955	23611.1	23806.2	1.145	mg/L	1.145	ppm
2	K 766.491	3072125.9	3064360.7	43.88	mg/L	43.88	ppm
2	Mg 279.079	172887.5	173966.4	18.29	mg/L	18.29	ppm
2	Mn 257.610	26745.8	30227.7	0.0721	mg/L	0.0721	ppm
2	Mo 202.030	1227.9	1349.6	0.1005	mg/L	0.1005	ppm
2	Na 330.237	380516.1	379194.8	602.4	mg/L	602.4	ppm
2	Ni 231.604	66.0	137.9	0.0035	mg/L	0.0035	ppm
2	Pb 220.353	285.5	-65.0	-0.0045	mg/L	-0.0045	ppm
2	Sb 206.833	37.6	-9.0	-0.0036	mg/L	-0.0036	ppm
2	Se 196.026	5.5	13.3	0.0041	mg/L	0.0041	ppm
2	Tl 190.800	-50.6	-6.0	-0.0020	mg/L	-0.0020	ppm
2	V 292.402	3174.9	2850.1	0.0291	mg/L	0.0291	ppm

2 Zn 213.856	227.2	277.1	0.0052 mg/L	0.0052 ppm	
3 Ag 328.068	-478.1	-57.5	-0.0008 mg/L	-0.0008 ppm	
3 Al 308.215	1579.5	1181.3	0.1291 mg/L	0.1291 ppm	
3 As 188.979	-12.9	-7.4	-0.0027 mg/L	-0.0027 ppm	
3 Ba 233.527	4900.0	5334.8	0.0493 mg/L	0.0493 ppm	
3 Be 313.107	-2276.1	110.0	0.0000 mg/L	0.0000 ppm	
3 Ca 227.547	653.4	694.1	8.447 mg/L	8.447 ppm	
3 Cd 228.802	121.1	-9.4	-0.0002 mg/L	-0.0002 ppm	
3 Co 228.616	64.1	-9.8	-0.0003 mg/L	-0.0003 ppm	
3 Cr 267.716	170.0	250.8	0.0056 mg/L	0.0056 ppm	
3 Cu 324.754	602.1	78.7	0.0007 mg/L	0.0007 ppm	
3 Fe 273.955	24187.0	24382.1	1.173 mg/L	1.173 ppm	
3 K 766.491	3044046.9	3036281.6	43.57 mg/L	43.57 ppm	
3 Mg 279.079	176100.1	177179.0	18.63 mg/L	18.63 ppm	
3 Mn 257.610	27453.5	30935.3	0.0738 mg/L	0.0738 ppm	
3 Mo 202.030	1221.8	1343.5	0.1000 mg/L	0.1000 ppm	
3 Na 330.237	396260.2	394938.9	621.1 mg/L	621.1 ppm	
3 Ni 231.604	56.7	128.6	0.0032 mg/L	0.0032 ppm	
3 Pb 220.353	308.8	-41.7	-0.0029 mg/L	-0.0029 ppm	
3 Sb 206.833	41.4	-5.2	-0.0021 mg/L	-0.0021 ppm	
3 Se 196.026	15.2	23.0	0.0071 mg/L	0.0071 ppm	
3 Tl 190.800	-48.3	-3.7	-0.0012 mg/L	-0.0012 ppm	
3 V 292.402	3318.4	2993.6	0.0305 mg/L	0.0305 ppm	
3 Zn 213.856	218.6	268.6	0.0051 mg/L	0.0051 ppm	

Mean Data

ID: 2842-10 F=1 Seq. No.: 29 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: 04/25/03 12:43:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	11.1	0.0001	0.00155	mg/L	0.0001	0.00155	ppm	>999.9%
Al 308.215	1231.1	0.1345	0.00962	mg/L	0.1345	0.00962	ppm	7.15%
As 188.979	-1.5	-0.0006	0.00190	mg/L	-0.0006	0.00190	ppm	335.57%
Ba 233.527	5405.3	0.0499	0.00065	mg/L	0.0499	0.00065	ppm	1.30%
Be 313.107	55.5	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	178.91%
Ca 227.547	689.6	8.392	0.0521	mg/L	8.392	0.0521	ppm	0.62%
Cd 228.802	-11.4	-0.0003	0.00017	mg/L	-0.0003	0.00017	ppm	63.06%
Co 228.616	7.6	0.0002	0.00042	mg/L	0.0002	0.00042	ppm	201.24%
Cr 267.716	255.9	0.0057	0.00019	mg/L	0.0057	0.00019	ppm	3.38%
Cu 324.754	199.9	0.0018	0.00118	mg/L	0.0018	0.00118	ppm	65.71%
Fe 273.955	24571.7	1.182	0.0421	mg/L	1.182	0.0421	ppm	3.56%
K 766.491	2977530.8	42.91	1.433	mg/L	42.91	1.433	ppm	3.34%
Mg 279.079	178470.1	18.77	0.554	mg/L	18.77	0.554	ppm	2.95%
Mn 257.610	31063.4	0.0741	0.00216	mg/L	0.0741	0.00216	ppm	2.92%
Mo 202.030	1354.4	0.1009	0.00104	mg/L	0.1009	0.00104	ppm	1.04%
Na 330.237	388344.1	613.3	9.69	mg/L	613.3	9.69	ppm	1.58%
Ni 231.604	134.6	0.0034	0.00013	mg/L	0.0034	0.00013	ppm	3.86%
Pb 220.353	-49.7	-0.0034	0.00091	mg/L	-0.0034	0.00091	ppm	26.55%
Sb 206.833	-5.9	-0.0023	0.00113	mg/L	-0.0023	0.00113	ppm	48.34%
Se 196.026	15.7	0.0048	0.00199	mg/L	0.0048	0.00199	ppm	41.31%
Tl 190.800	-6.6	-0.0021	0.00103	mg/L	-0.0021	0.00103	ppm	47.96%
V 292.402	2975.9	0.0303	0.00120	mg/L	0.0303	0.00120	ppm	3.96%
Zn 213.856	271.1	0.0051	0.00010	mg/L	0.0051	0.00010	ppm	1.95%

Calibration Summary

Method: 23ME Date: 04/25/03 12:45:35 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555

Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933
K 766.491	3	Non-Linear	-1078.6	49933.0	453.88738	0.997973
Mg 279.079	3	Linear-thru-Zero	0.0	9509.7	0.00000	0.999886
Mn 257.610	3	Linear-thru-Zero	0.0	419158.0	0.00000	0.999852
Mo 202.030	3	Linear-thru-Zero	0.0	13429.3	0.00000	0.999845
Na 330.237	3	Non-Linear	-106.8	421.9	0.34487	0.999110
Ni 231.604	3	Linear-thru-Zero	0.0	39621.0	0.00000	0.999974
Pb 220.353	3	Linear-thru-Zero	0.0	14428.2	0.00000	0.999960
Sb 206.833	3	Linear-thru-Zero	0.0	2506.0	0.00000	0.999920
Se 196.026	3	Linear-thru-Zero	0.0	3255.7	0.00000	0.999926
Tl 190.800	3	Linear-thru-Zero	0.0	3052.1	0.00000	0.999959
V 292.402	3	Linear-thru-Zero	0.0	98088.9	0.00000	0.999950
Zn 213.856	3	Linear-thru-Zero	0.0	52893.5	0.00000	0.999984

Replicate Data

ID: 2842-10 F=5 Date: 04/25/03 12:46:52 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-348.2	72.4	0.0010	mg/L	0.0049	ppm
1	Al 308.215	829.2	431.0	0.0471	mg/L	0.2355	ppm
1	As 188.979	-14.0	-8.5	-0.0031	mg/L	-0.0157	ppm
1	Ba 233.527	637.6	1072.4	0.0099	mg/L	0.0495	ppm
1	Be 313.107	-2234.9	151.3	0.0001	mg/L	0.0003	ppm
1	Ca 227.547	104.4	145.1	1.766	mg/L	8.828	ppm
1	Cd 228.802	133.4	3.0	0.0001	mg/L	0.0004	ppm
1	Co 228.616	68.9	-5.0	-0.0001	mg/L	-0.0007	ppm
1	Cr 267.716	-12.8	68.0	0.0015	mg/L	0.0076	ppm
1	Cu 324.754	556.1	32.8	0.0003	mg/L	0.0015	ppm
1	Fe 273.955	4702.9	4898.0	0.2356	mg/L	1.178	ppm
1	K 766.491	444344.4	436579.2	8.160	mg/L	40.80	ppm
1	Mg 279.079	34371.4	35450.2	3.728	mg/L	18.64	ppm
1	Mn 257.610	2687.9	6169.8	0.0147	mg/L	0.0736	ppm
1	Mo 202.030	139.6	261.3	0.0195	mg/L	0.0973	ppm
1	Na 330.237	71787.3	70466.0	149.1	mg/L	745.6	ppm
1	Ni 231.604	-24.7	47.1	0.0012	mg/L	0.0059	ppm
1	Pb 220.353	337.6	-12.9	-0.0009	mg/L	-0.0045	ppm
1	Sb 206.833	34.0	-12.6	-0.0050	mg/L	-0.0251	ppm
1	Se 196.026	-10.2	-2.4	-0.0007	mg/L	-0.0037	ppm
1	Tl 190.800	-45.0	-0.4	-0.0001	mg/L	-0.0007	ppm
1	V 292.402	819.4	494.6	0.0050	mg/L	0.0252	ppm
1	Zn 213.856	49.8	99.8	0.0019	mg/L	0.0094	ppm
2	Ag 328.068	-526.4	-105.7	-0.0014	mg/L	-0.0071	ppm
2	Al 308.215	719.4	321.2	0.0351	mg/L	0.1755	ppm
2	As 188.979	-9.8	-4.3	-0.0016	mg/L	-0.0080	ppm
2	Ba 233.527	631.5	1066.2	0.0099	mg/L	0.0493	ppm
2	Be 313.107	-2267.7	118.4	0.0000	mg/L	0.0002	ppm
2	Ca 227.547	91.6	132.3	1.610	mg/L	8.050	ppm
2	Cd 228.802	110.6	-19.8	-0.0005	mg/L	-0.0024	ppm
2	Co 228.616	83.3	9.5	0.0003	mg/L	0.0013	ppm
2	Cr 267.716	-26.1	54.6	0.0012	mg/L	0.0061	ppm
2	Cu 324.754	779.1	255.8	0.0023	mg/L	0.0115	ppm
2	Fe 273.955	4580.1	4775.2	0.2297	mg/L	1.149	ppm
2	K 766.491	476620.4	468855.2	8.720	mg/L	43.60	ppm
2	Mg 279.079	33262.8	34341.6	3.611	mg/L	18.06	ppm
2	Mn 257.610	2580.3	6062.2	0.0145	mg/L	0.0723	ppm
2	Mo 202.030	133.4	255.1	0.0190	mg/L	0.0950	ppm
2	Na 330.237	71788.3	70467.0	149.1	mg/L	745.6	ppm
2	Ni 231.604	-34.6	37.3	0.0009	mg/L	0.0047	ppm
2	Pb 220.353	302.3	-48.2	-0.0033	mg/L	-0.0167	ppm
2	Sb 206.833	21.2	-25.4	-0.0101	mg/L	-0.0507	ppm
2	Se 196.026	-10.7	-2.9	-0.0009	mg/L	-0.0045	ppm
2	Tl 190.800	-43.6	1.0	0.0003	mg/L	0.0016	ppm
2	V 292.402	857.1	532.2	0.0054	mg/L	0.0271	ppm
2	Zn 213.856	41.7	91.7	0.0017	mg/L	0.0087	ppm
3	Ag 328.068	-382.7	38.0	0.0005	mg/L	0.0025	ppm
3	Al 308.215	598.5	200.3	0.0219	mg/L	0.1094	ppm
3	As 188.979	-8.9	-3.4	-0.0013	mg/L	-0.0063	ppm
3	Ba 233.527	626.6	1061.3	0.0098	mg/L	0.0490	ppm
3	Be 313.107	-2412.0	-25.9	0.0000	mg/L	-0.0001	ppm

3 Ca 227.547	99.9	140.6	1.711 mg/L	8.554 ppm	
3 Cd 228.802	129.0	-1.4	0.0000 mg/L	-0.0002 ppm	
3 Co 228.616	80.2	6.3	0.0002 mg/L	0.0009 ppm	
3 Cr 267.716	-13.0	67.8	0.0015 mg/L	0.0076 ppm	
3 Cu 324.754	607.2	83.8	0.0008 mg/L	0.0038 ppm	
3 Fe 273.955	4549.7	4744.8	0.2283 mg/L	1.141 ppm	
3 K 766.491	433216.2	425451.0	7.965 mg/L	39.83 ppm	
3 Mg 279.079	30832.4	31911.2	3.356 mg/L	16.78 ppm	
3 Mn 257.610	2531.1	6013.0	0.0143 mg/L	0.0717 ppm	
3 Mo 202.030	135.4	257.1	0.0191 mg/L	0.0957 ppm	
3 Na 330.237	66155.1	64833.8	138.3 mg/L	691.5 ppm	
3 Ni 231.604	-50.4	21.4	0.0005 mg/L	0.0027 ppm	
3 Pb 220.353	332.4	-18.1	-0.0013 mg/L	-0.0063 ppm	
3 Sb 206.833	29.3	-17.2	-0.0069 mg/L	-0.0344 ppm	
3 Se 196.026	-0.0	7.8	0.0024 mg/L	0.0120 ppm	
3 Tl 190.800	-44.7	-0.1	0.0000 mg/L	-0.0002 ppm	
3 V 292.402	939.6	614.7	0.0063 mg/L	0.0313 ppm	
3 Zn 213.856	28.5	78.5	0.0015 mg/L	0.0074 ppm	

Mean Data

ID: 2842-10 F=5 Seq. No.: 30 Sample No.: 1 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 04/25/03 12:46:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	1.6	0.0000	0.00127	mg/L	0.0001	0.00633	ppm	>999.9%
Al 308.215	317.5	0.0347	0.01261	mg/L	0.1735	0.06305	ppm	36.34%
As 188.979	-5.4	-0.0020	0.00100	mg/L	-0.0100	0.00501	ppm	50.04%
Ba 233.527	1066.7	0.0099	0.00005	mg/L	0.0493	0.00026	ppm	0.52%
Be 313.107	81.2	0.0000	0.00004	mg/L	0.0002	0.00019	ppm	116.01%
Ca 227.547	139.3	1.695	0.0790	mg/L	8.477	0.3949	ppm	4.66%
Cd 228.802	-6.1	-0.0001	0.00029	mg/L	-0.0007	0.00146	ppm	199.15%
Co 228.616	3.6	0.0001	0.00021	mg/L	0.0005	0.00105	ppm	211.39%
Cr 267.716	63.5	0.0014	0.00017	mg/L	0.0071	0.00085	ppm	12.06%
Cu 324.754	124.1	0.0011	0.00105	mg/L	0.0056	0.00524	ppm	94.12%
Fe 273.955	4806.0	0.2312	0.00390	mg/L	1.156	0.0195	ppm	1.69%
K 766.491	443628.5	8.282	0.3919	mg/L	41.41	1.959	ppm	4.73%
Mg 279.079	33901.0	3.565	0.1904	mg/L	17.82	0.952	ppm	5.34%
Mn 257.610	6081.7	0.0145	0.00019	mg/L	0.0725	0.00096	ppm	1.32%
Mo 202.030	257.8	0.0192	0.00024	mg/L	0.0960	0.00119	ppm	1.24%
Na 330.237	68588.9	145.5	6.24	mg/L	727.5	31.21	ppm	4.29%
Ni 231.604	35.3	0.0009	0.00033	mg/L	0.0045	0.00164	ppm	36.82%
Pb 220.353	-26.4	-0.0018	0.00132	mg/L	-0.0092	0.00661	ppm	72.14%
Sb 206.833	-18.4	-0.0073	0.00259	mg/L	-0.0367	0.01297	ppm	35.31%
Se 196.026	0.8	0.0003	0.00185	mg/L	0.0013	0.00927	ppm	729.28%
Tl 190.800	0.1	0.0000	0.00024	mg/L	0.0002	0.00122	ppm	519.81%
V 292.402	547.2	0.0056	0.00063	mg/L	0.0279	0.00313	ppm	11.23%
Zn 213.856	90.0	0.0017	0.00020	mg/L	0.0085	0.00102	ppm	11.94%

Replicate Data

ID: CCV 1447B Date: 04/25/03 12:50:06 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	69730.9	70151.5	0.9405	mg/L		
1 Al 308.215	44364.6	43966.4	4.805	mg/L		
1 As 188.979	1347.5	1353.0	0.5048	mg/L		
1 Ba 233.527	510228.3	510663.1	4.718	mg/L		
1 Be 313.107	1148644.2	1151030.3	0.4710	mg/L		
1 Ca 227.547	3981.1	4021.8	48.94	mg/L		
1 Cd 228.802	40124.2	39993.8	0.9672	mg/L		
1 Co 228.616	69850.5	69776.6	1.934	mg/L		
1 Cr 267.716	21147.9	21228.7	0.4733	mg/L		
1 Cu 324.754	213649.3	213125.9	1.911	mg/L		
1 Fe 273.955	99391.4	99586.5	4.781	mg/L		
1 K 766.491	830437.0	822671.8	14.57	mg/L		
1 Mg 279.079	224225.2	225304.1	23.69	mg/L		
1 Mn 257.610	798493.0	801974.9	1.913	mg/L		
1 Mo 202.030	25258.1	25379.7	1.890	mg/L		
1 Na 330.237	46181.6	44860.3	98.64	mg/L		
1 Ni 231.604	77112.5	77184.4	1.948	mg/L		

1 Pb 220.353	7623.4	7272.9	0.5041	mg/L
1 Sb 206.833	4831.7	4785.1	1.912	mg/L
1 Se 196.026	1649.6	1657.4	0.5091	mg/L
1 Tl 190.800	1423.5	1468.1	0.4841	mg/L
1 V 292.402	188385.7	188060.9	1.917	mg/L
1 Zn 213.856	105383.3	105433.2	1.993	mg/L
2 Ag 328.068	69002.6	69423.3	0.9307	mg/L
2 Al 308.215	43601.8	43203.6	4.721	mg/L
2 As 188.979	1363.4	1368.9	0.5107	mg/L
2 Ba 233.527	501299.7	501734.5	4.635	mg/L
2 Be 313.107	1138787.8	1141173.9	0.4670	mg/L
2 Ca 227.547	3917.4	3958.1	48.17	mg/L
2 Cd 228.802	40150.0	40019.6	0.9678	mg/L
2 Co 228.616	69343.2	69269.4	1.920	mg/L
2 Cr 267.716	21145.8	21226.6	0.4732	mg/L
2 Cu 324.754	211197.0	210673.6	1.889	mg/L
2 Fe 273.955	98112.9	98308.0	4.719	mg/L
2 K 766.491	847882.3	840117.1	14.84	mg/L
2 Mg 279.079	221216.2	222295.1	23.38	mg/L
2 Mn 257.610	788252.8	791734.7	1.889	mg/L
2 Mo 202.030	25087.8	25209.5	1.877	mg/L
2 Na 330.237	45545.8	44224.5	97.34	mg/L
2 Ni 231.604	76984.9	77056.7	1.945	mg/L
2 Pb 220.353	7425.6	7075.1	0.4904	mg/L
2 Sb 206.833	4896.3	4849.7	1.937	mg/L
2 Se 196.026	1545.6	1553.4	0.4771	mg/L
2 Tl 190.800	1427.6	1472.1	0.4854	mg/L
2 V 292.402	186721.2	186396.4	1.900	mg/L
2 Zn 213.856	104674.5	104724.5	1.980	mg/L
3 Ag 328.068	71840.0	72260.7	0.9688	mg/L
3 Al 308.215	45609.4	45211.2	4.941	mg/L
3 As 188.979	1349.8	1355.3	0.5056	mg/L
3 Ba 233.527	517265.6	517700.4	4.783	mg/L
3 Be 313.107	1180543.5	1182929.6	0.4841	mg/L
3 Ca 227.547	3860.1	3900.8	47.47	mg/L
3 Cd 228.802	39243.5	39113.0	0.9459	mg/L
3 Co 228.616	71481.7	71407.8	1.980	mg/L
3 Cr 267.716	20783.3	20864.1	0.4652	mg/L
3 Cu 324.754	220127.8	219604.4	1.969	mg/L
3 Fe 273.955	101291.2	101486.3	4.872	mg/L
3 K 766.491	887336.7	879571.5	15.46	mg/L
3 Mg 279.079	228943.8	230022.7	24.19	mg/L
3 Mn 257.610	814084.7	817566.5	1.950	mg/L
3 Mo 202.030	24841.5	24963.2	1.859	mg/L
3 Na 330.237	47270.6	45949.3	100.9	mg/L
3 Ni 231.604	79687.2	79759.0	2.013	mg/L
3 Pb 220.353	7282.5	6932.0	0.4804	mg/L
3 Sb 206.833	4798.8	4752.3	1.899	mg/L
3 Se 196.026	1616.9	1624.7	0.4990	mg/L
3 Tl 190.800	1394.0	1438.6	0.4745	mg/L
3 V 292.402	194068.0	193743.1	1.975	mg/L
3 Zn 213.856	108668.0	108718.0	2.055	mg/L

Mean Data

ID: CCV 1447B Seq. No.: 31 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: 04/25/03 12:50:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	70611.8	0.9467	0.01976	mg/L				2.09%
Al 308.215	44127.1	4.822	0.1107	mg/L				2.30%
As 188.979	1359.1	0.5070	0.00319	mg/L				0.63%
Ba 233.527	510032.7	4.712	0.0739	mg/L				1.57%
Be 313.107	1158377.9	0.4740	0.00893	mg/L				1.88%
Ca 227.547	3960.3	48.19	0.737	mg/L				1.53%
Cd 228.802	39708.8	0.9603	0.01248	mg/L				1.30%
Co 228.616	70151.3	1.945	0.0310	mg/L				1.59%
Cr 267.716	21106.5	0.4706	0.00468	mg/L				0.99%
Cu 324.754	214468.0	1.923	0.0414	mg/L				2.15%
Fe 273.955	99793.6	4.790	0.0768	mg/L				1.60%

K 766.491	847453.4	14.96	0.458	mg/L	3.06%
Mg 279.079	225873.9	23.75	0.410	mg/L	1.72%
Mn 257.610	803758.7	1.918	0.0310	mg/L	1.62%
Mo 202.030	25184.1	1.875	0.0156	mg/L	0.83%
Na 330.237	45011.4	98.94	1.779	mg/L	1.80%
Ni 231.604	78000.0	1.969	0.0385	mg/L	1.95%
Pb 220.353	7093.3	0.4916	0.01186	mg/L	2.41%
Sb 206.833	4795.7	1.916	0.0197	mg/L	1.03%
Se 196.026	1611.8	0.4951	0.01634	mg/L	3.30%
Tl 190.800	1459.6	0.4813	0.00593	mg/L	1.23%
V 292.402	189400.1	1.931	0.0393	mg/L	2.03%
Zn 213.856	106291.9	2.010	0.0403	mg/L	2.00%

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

ID: CCB Date: 04/25/03 12:52:55 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-300.4	120.2	0.0016	mg/L		
1	Al 308.215	367.9	-30.3	-0.0033	mg/L		
1	As 188.979	-11.9	-6.4	-0.0024	mg/L		
1	Ba 233.527	-384.9	49.9	0.0005	mg/L		
1	Be 313.107	-2317.3	68.8	0.0000	mg/L		
1	Ca 227.547	-64.2	-23.5	-0.2863	mg/L		
1	Cd 228.802	130.8	0.4	0.0000	mg/L		
1	Co 228.616	97.1	23.3	0.0006	mg/L		
1	Cr 267.716	-48.8	32.0	0.0007	mg/L		
1	Cu 324.754	645.8	122.4	0.0011	mg/L		
1	Fe 273.955	-168.5	26.6	0.0013	mg/L		
1	K 766.491	7811.4	46.2	0.0225	mg/L		
1	Mg 279.079	-1039.8	39.1	0.0041	mg/L		
1	Mn 257.610	-3276.4	205.5	0.0005	mg/L		
1	Mo 202.030	-123.5	-1.9	-0.0001	mg/L		
1	Na 330.237	1353.4	32.1	0.3292	mg/L		
1	Ni 231.604	-51.0	20.8	0.0005	mg/L		
1	Pb 220.353	339.7	-10.8	-0.0007	mg/L		
1	Sb 206.833	46.2	-0.3	-0.0001	mg/L		
1	Se 196.026	-4.4	3.4	0.0010	mg/L		
1	Tl 190.800	-39.7	4.8	0.0016	mg/L		
1	V 292.402	239.3	-85.6	-0.0009	mg/L		
1	Zn 213.856	-38.6	11.3	0.0002	mg/L		
2	Ag 328.068	-260.8	159.9	0.0021	mg/L		
2	Al 308.215	502.4	104.2	0.0114	mg/L		
2	As 188.979	-8.3	-2.8	-0.0010	mg/L		
2	Ba 233.527	-374.9	59.9	0.0006	mg/L		
2	Be 313.107	-2311.5	74.6	0.0000	mg/L		
2	Ca 227.547	-38.1	2.5	0.0308	mg/L		
2	Cd 228.802	118.4	-12.0	-0.0003	mg/L		
2	Co 228.616	80.9	7.0	0.0002	mg/L		
2	Cr 267.716	-59.1	21.6	0.0005	mg/L		
2	Cu 324.754	624.8	101.4	0.0009	mg/L		
2	Fe 273.955	-164.3	30.8	0.0015	mg/L		
2	K 766.491	8263.8	498.6	0.0316	mg/L		
2	Mg 279.079	-1062.2	16.6	0.0017	mg/L		
2	Mn 257.610	-3234.9	247.0	0.0006	mg/L		
2	Mo 202.030	-109.8	11.9	0.0009	mg/L		
2	Na 330.237	1144.9	-176.4	-0.1650	mg/L		
2	Ni 231.604	-79.2	-7.4	-0.0002	mg/L		
2	Pb 220.353	332.1	-18.4	-0.0013	mg/L		
2	Sb 206.833	36.8	-9.7	-0.0039	mg/L		
2	Se 196.026	-0.2	7.5	0.0023	mg/L		
2	Tl 190.800	-43.7	0.8	0.0003	mg/L		
2	V 292.402	184.3	-140.5	-0.0014	mg/L		
2	Zn 213.856	-40.2	9.7	0.0002	mg/L		
3	Ag 328.068	-408.6	12.0	0.0002	mg/L		
3	Al 308.215	429.6	31.4	0.0034	mg/L		
3	As 188.979	-10.2	-4.7	-0.0017	mg/L		
3	Ba 233.527	-387.1	47.7	0.0004	mg/L		
3	Be 313.107	-2156.4	229.8	0.0001	mg/L		
3	Ca 227.547	-14.8	25.9	0.3152	mg/L		

3 Cd 228.802	121.0	-9.5	-0.0002	mg/L
3 Co 228.616	81.1	7.3	0.0002	mg/L
3 Cr 267.716	-52.7	28.1	0.0006	mg/L
3 Cu 324.754	404.2	-119.1	-0.0011	mg/L
3 Fe 273.955	-186.0	9.1	0.0004	mg/L
3 K 766.491	7823.8	58.6	0.0228	mg/L
3 Mg 279.079	-1026.8	52.1	0.0055	mg/L
3 Mn 257.610	-3294.5	187.4	0.0004	mg/L
3 Mo 202.030	-126.1	-4.5	-0.0003	mg/L
3 Na 330.237	1205.3	-116.0	-0.0219	mg/L
3 Ni 231.604	-63.2	8.6	0.0002	mg/L
3 Pb 220.353	363.2	12.7	0.0009	mg/L
3 Sb 206.833	45.7	-0.9	-0.0004	mg/L
3 Se 196.026	-5.3	2.5	0.0008	mg/L
3 Tl 190.800	-44.0	0.6	0.0002	mg/L
3 V 292.402	223.5	-101.3	-0.0010	mg/L
3 Zn 213.856	-46.9	3.1	0.0001	mg/L

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

ID: CCB Seq. No.: 32 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: 04/25/03 12:52:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	97.4	0.0013	0.00103	mg/L				78.57%
Al 308.215	35.1	0.0038	0.00735	mg/L				191.82%
As 188.979	-4.6	-0.0017	0.00068	mg/L				39.65%
Ba 233.527	52.5	0.0005	0.00006	mg/L				12.42%
Be 313.107	124.4	0.0001	0.00004	mg/L				73.40%
Ca 227.547	1.6	0.0199	0.30089	mg/L				>999.9%
Cd 228.802	-7.0	-0.0002	0.00016	mg/L				93.24%
Co 228.616	12.5	0.0003	0.00026	mg/L				74.40%
Cr 267.716	27.2	0.0006	0.00012	mg/L				19.17%
Cu 324.754	34.9	0.0003	0.00120	mg/L				383.24%
Fe 273.955	22.2	0.0011	0.00055	mg/L				51.84%
K 766.491	201.1	0.0256	0.00516	mg/L				20.13%
Mg 279.079	35.9	0.0038	0.00188	mg/L				49.88%
Mn 257.610	213.3	0.0005	0.00007	mg/L				14.33%
Mo 202.030	1.8	0.0001	0.00065	mg/L				476.08%
Na 330.237	-86.8	0.0475	0.25428	mg/L				535.78%
Ni 231.604	7.3	0.0002	0.00036	mg/L				192.42%
Pb 220.353	-5.5	-0.0004	0.00112	mg/L				293.93%
Sb 206.833	-3.6	-0.0015	0.00211	mg/L				144.89%
Se 196.026	4.5	0.0014	0.00083	mg/L				60.84%
Tl 190.800	2.1	0.0007	0.00078	mg/L				114.75%
V 292.402	-109.1	-0.0011	0.00029	mg/L				25.92%
Zn 213.856	8.0	0.0002	0.00008	mg/L				54.67%

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

ID: 2819-1 F=1 Date: 04/25/03 12:56:20 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-229.2	191.4	0.0026	mg/L	0.0026	ppm
1	Al 308.215	755.1	356.9	0.0390	mg/L	0.0390	ppm
1	As 188.979	-15.2	-9.7	-0.0036	mg/L	-0.0036	ppm
1	Ba 233.527	-352.4	82.4	0.0008	mg/L	0.0008	ppm
1	Be 313.107	-2378.6	7.5	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	-28.3	12.3	0.1502	mg/L	0.1502	ppm
1	Cd 228.802	137.3	6.9	0.0002	mg/L	0.0002	ppm
1	Co 228.616	80.3	6.5	0.0002	mg/L	0.0002	ppm
1	Cr 267.716	9.4	90.2	0.0020	mg/L	0.0020	ppm
1	Cu 324.754	1654.0	1130.7	0.0101	mg/L	0.0101	ppm
1	Fe 273.955	948.7	1143.8	0.0550	mg/L	0.0550	ppm
1	K 766.491	9207.3	1442.1	0.0505	mg/L	0.0505	ppm
1	Mg 279.079	-804.0	274.8	0.0289	mg/L	0.0289	ppm
1	Mn 257.610	-3167.0	314.8	0.0008	mg/L	0.0008	ppm
1	Mo 202.030	-120.5	1.2	0.0001	mg/L	0.0001	ppm
1	Na 330.237	1486.1	164.8	0.6435	mg/L	0.6435	ppm
1	Ni 231.604	-18.8	53.1	0.0013	mg/L	0.0013	ppm
1	Pb 220.353	340.1	-10.4	-0.0007	mg/L	-0.0007	ppm

1	Sb 206.833	26.2	-20.4	-0.0081 mg/L	-0.0081 ppm
1	Se 196.026	-5.4	2.4	0.0007 mg/L	0.0007 ppm
1	Tl 190.800	-44.7	-0.1	0.0000 mg/L	0.0000 ppm
1	V 292.402	365.4	40.6	0.0004 mg/L	0.0004 ppm
1	Zn 213.856	475.9	525.8	0.0099 mg/L	0.0099 ppm
2	Ag 328.068	-412.5	8.2	0.0001 mg/L	0.0001 ppm
2	Al 308.215	607.9	209.7	0.0229 mg/L	0.0229 ppm
2	As 188.979	-8.2	-2.7	-0.0010 mg/L	-0.0010 ppm
2	Ba 233.527	-332.6	102.2	0.0009 mg/L	0.0009 ppm
2	Be 313.107	-2266.0	120.2	0.0000 mg/L	0.0000 ppm
2	Ca 227.547	-14.7	25.9	0.3158 mg/L	0.3158 ppm
2	Cd 228.802	146.2	15.8	0.0004 mg/L	0.0004 ppm
2	Co 228.616	86.6	12.8	0.0004 mg/L	0.0004 ppm
2	Cr 267.716	19.5	100.3	0.0022 mg/L	0.0022 ppm
2	Cu 324.754	1691.2	1167.9	0.0105 mg/L	0.0105 ppm
2	Fe 273.955	909.8	1104.9	0.0532 mg/L	0.0532 ppm
2	K 766.491	8938.2	1173.0	0.0451 mg/L	0.0451 ppm
2	Mg 279.079	-919.1	159.8	0.0168 mg/L	0.0168 ppm
2	Mn 257.610	-3151.0	330.9	0.0008 mg/L	0.0008 ppm
2	Mo 202.030	-119.9	1.7	0.0001 mg/L	0.0001 ppm
2	Na 330.237	1382.9	61.6	0.3990 mg/L	0.3990 ppm
2	Ni 231.604	-15.8	56.0	0.0014 mg/L	0.0014 ppm
2	Pb 220.353	327.8	-22.7	-0.0016 mg/L	-0.0016 ppm
2	Sb 206.833	33.5	-13.0	-0.0052 mg/L	-0.0052 ppm
2	Se 196.026	1.7	9.5	0.0029 mg/L	0.0029 ppm
2	Tl 190.800	-57.5	-12.9	-0.0042 mg/L	-0.0042 ppm
2	V 292.402	318.4	-6.5	-0.0001 mg/L	-0.0001 ppm
2	Zn 213.856	449.9	499.8	0.0094 mg/L	0.0094 ppm
3	Ag 328.068	-266.2	154.4	0.0021 mg/L	0.0021 ppm
3	Al 308.215	761.1	362.9	0.0397 mg/L	0.0397 ppm
3	As 188.979	-9.7	-4.2	-0.0015 mg/L	-0.0015 ppm
3	Ba 233.527	-359.4	75.4	0.0007 mg/L	0.0007 ppm
3	Be 313.107	-2329.7	56.4	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	-28.6	12.1	0.1468 mg/L	0.1468 ppm
3	Cd 228.802	110.7	-19.7	-0.0005 mg/L	-0.0005 ppm
3	Co 228.616	83.2	9.4	0.0003 mg/L	0.0003 ppm
3	Cr 267.716	15.3	96.1	0.0021 mg/L	0.0021 ppm
3	Cu 324.754	1571.7	1048.3	0.0094 mg/L	0.0094 ppm
3	Fe 273.955	866.7	1061.8	0.0511 mg/L	0.0511 ppm
3	K 766.491	8897.8	1132.6	0.0443 mg/L	0.0443 ppm
3	Mg 279.079	-810.0	268.9	0.0283 mg/L	0.0283 ppm
3	Mn 257.610	-3177.7	304.2	0.0007 mg/L	0.0007 ppm
3	Mo 202.030	-121.7	0.0	0.0000 mg/L	0.0000 ppm
3	Na 330.237	1339.2	17.9	0.2955 mg/L	0.2955 ppm
3	Ni 231.604	-32.0	39.9	0.0010 mg/L	0.0010 ppm
3	Pb 220.353	355.7	5.2	0.0004 mg/L	0.0004 ppm
3	Sb 206.833	29.3	-17.2	-0.0069 mg/L	-0.0069 ppm
3	Se 196.026	10.6	18.4	0.0057 mg/L	0.0057 ppm
3	Tl 190.800	-39.3	5.3	0.0017 mg/L	0.0017 ppm
3	V 292.402	268.7	-56.1	-0.0006 mg/L	-0.0006 ppm
3	Zn 213.856	453.1	503.1	0.0095 mg/L	0.0095 ppm

Mean Data

ID: 2819-1 F=1 Seq. No.: 33 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: 04/25/03 12:56:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	118.0	0.0016	0.00130	mg/L	0.0016	0.00130	ppm	82.10%
Al 308.215	309.8	0.0339	0.00948	mg/L	0.0339	0.00948	ppm	28.00%
As 188.979	-5.5	-0.0020	0.00137	mg/L	-0.0020	0.00137	ppm	67.28%
Ba 233.527	86.7	0.0008	0.00013	mg/L	0.0008	0.00013	ppm	16.04%
Be 313.107	61.4	0.0000	0.00002	mg/L	0.0000	0.00002	ppm	92.04%
Ca 227.547	16.8	0.2042	0.09660	mg/L	0.2042	0.09660	ppm	47.30%
Cd 228.802	1.0	0.0000	0.00045	mg/L	0.0000	0.00045	ppm	>999.9%
Co 228.616	9.5	0.0003	0.00009	mg/L	0.0003	0.00009	ppm	33.21%
Cr 267.716	95.6	0.0021	0.00011	mg/L	0.0021	0.00011	ppm	5.30%
Cu 324.754	1115.6	0.0100	0.00055	mg/L	0.0100	0.00055	ppm	5.48%
Fe 273.955	1103.5	0.0531	0.00197	mg/L	0.0531	0.00197	ppm	3.72%
K 766.491	1249.2	0.0466	0.00337	mg/L	0.0466	0.00337	ppm	7.22%

Mg 279.079	234.5	0.0247	0.00681 mg/L	0.0247	0.00681 ppm	27.63%
Mn 257.610	316.7	0.0008	0.00003 mg/L	0.0008	0.00003 ppm	4.24%
Mo 202.030	1.0	0.0001	0.00007 mg/L	0.0001	0.00007 ppm	90.24%
Na 330.237	81.4	0.4460	0.17871 mg/L	0.4460	0.17871 ppm	40.07%
Ni 231.604	49.7	0.0013	0.00022 mg/L	0.0013	0.00022 ppm	17.29%
Pb 220.353	-9.3	-0.0006	0.00097 mg/L	-0.0006	0.00097 ppm	150.63%
Sb 206.833	-16.9	-0.0067	0.00147 mg/L	-0.0067	0.00147 ppm	21.80%
Se 196.026	10.1	0.0031	0.00246 mg/L	0.0031	0.00246 ppm	79.29%
Tl 190.800	-2.6	-0.0008	0.00306 mg/L	-0.0008	0.00306 ppm	362.23%
V 292.402	-7.3	-0.0001	0.00049 mg/L	-0.0001	0.00049 ppm	660.34%
Zn 213.856	509.6	0.0096	0.00027 mg/L	0.0096	0.00027 ppm	2.78%

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

ID: 2819-2 F=1 Date: 04/25/03 12:59:46 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-340.2	80.4	0.0011	mg/L	0.0011	ppm
1	Al 308.215	567.8	169.6	0.0185	mg/L	0.0185	ppm
1	As 188.979	-14.7	-9.2	-0.0034	mg/L	-0.0034	ppm
1	Ba 233.527	3952.5	4387.3	0.0405	mg/L	0.0405	ppm
1	Be 313.107	-2566.0	-179.8	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	2740.5	2781.2	33.85	mg/L	33.85	ppm
1	Cd 228.802	132.8	2.3	0.0001	mg/L	0.0001	ppm
1	Co 228.616	75.1	1.3	0.0000	mg/L	0.0000	ppm
1	Cr 267.716	67.9	148.7	0.0033	mg/L	0.0033	ppm
1	Cu 324.754	1309.2	785.9	0.0070	mg/L	0.0070	ppm
1	Fe 273.955	53285.3	53480.4	2.572	mg/L	2.572	ppm
1	K 766.491	117460.1	109694.9	2.175	mg/L	2.175	ppm
1	Mg 279.079	101258.9	102337.7	10.76	mg/L	10.76	ppm
1	Mn 257.610	18421.7	21903.6	0.0523	mg/L	0.0523	ppm
1	Mo 202.030	-89.5	32.1	0.0024	mg/L	0.0024	ppm
1	Na 330.237	6571.0	5249.6	12.57	mg/L	12.57	ppm
1	Ni 231.604	-8.0	63.8	0.0016	mg/L	0.0016	ppm
1	Pb 220.353	347.8	-2.8	-0.0002	mg/L	-0.0002	ppm
1	Sb 206.833	34.1	-12.5	-0.0050	mg/L	-0.0050	ppm
1	Se 196.026	-8.6	-0.8	-0.0002	mg/L	-0.0002	ppm
1	Tl 190.800	-41.0	3.6	0.0012	mg/L	0.0012	ppm
1	V 292.402	424.0	99.2	0.0010	mg/L	0.0010	ppm
1	Zn 213.856	328.8	378.8	0.0072	mg/L	0.0072	ppm
2	Ag 328.068	-277.8	142.8	0.0019	mg/L	0.0019	ppm
2	Al 308.215	638.8	240.6	0.0263	mg/L	0.0263	ppm
2	As 188.979	-11.8	-6.3	-0.0023	mg/L	-0.0023	ppm
2	Ba 233.527	3890.0	4324.8	0.0400	mg/L	0.0400	ppm
2	Be 313.107	-2208.6	177.5	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	2726.9	2767.6	33.68	mg/L	33.68	ppm
2	Cd 228.802	117.7	-12.7	-0.0003	mg/L	-0.0003	ppm
2	Co 228.616	86.5	12.6	0.0004	mg/L	0.0004	ppm
2	Cr 267.716	57.9	138.6	0.0031	mg/L	0.0031	ppm
2	Cu 324.754	1079.0	555.6	0.0050	mg/L	0.0050	ppm
2	Fe 273.955	49483.0	49678.1	2.389	mg/L	2.389	ppm
2	K 766.491	111580.9	103815.7	2.062	mg/L	2.062	ppm
2	Mg 279.079	92456.6	93535.4	9.836	mg/L	9.836	ppm
2	Mn 257.610	16759.6	20241.5	0.0483	mg/L	0.0483	ppm
2	Mo 202.030	-102.2	19.5	0.0015	mg/L	0.0015	ppm
2	Na 330.237	5969.2	4647.9	11.17	mg/L	11.17	ppm
2	Ni 231.604	-18.1	53.7	0.0014	mg/L	0.0014	ppm
2	Pb 220.353	349.1	-1.4	-0.0001	mg/L	-0.0001	ppm
2	Sb 206.833	32.7	-13.8	-0.0055	mg/L	-0.0055	ppm
2	Se 196.026	-7.2	0.6	0.0002	mg/L	0.0002	ppm
2	Tl 190.800	-37.9	6.7	0.0022	mg/L	0.0022	ppm
2	V 292.402	325.7	0.8	0.0000	mg/L	0.0000	ppm
2	Zn 213.856	316.3	366.3	0.0069	mg/L	0.0069	ppm
3	Ag 328.068	-269.1	151.6	0.0020	mg/L	0.0020	ppm
3	Al 308.215	608.8	210.6	0.0230	mg/L	0.0230	ppm
3	As 188.979	-4.6	1.0	0.0004	mg/L	0.0004	ppm
3	Ba 233.527	3829.8	4264.6	0.0394	mg/L	0.0394	ppm
3	Be 313.107	-2295.2	91.0	0.0000	mg/L	0.0000	ppm
3	Ca 227.547	2678.0	2718.6	33.08	mg/L	33.08	ppm
3	Cd 228.802	134.4	3.9	0.0001	mg/L	0.0001	ppm

3 Co 228.616	89.4	15.6	0.0004	mg/L	0.0004 ppm
3 Cr 267.716	60.8	141.6	0.0032	mg/L	0.0032 ppm
3 Cu 324.754	1079.9	556.6	0.0050	mg/L	0.0050 ppm
3 Fe 273.955	52370.6	52565.7	2.528	mg/L	2.528 ppm
3 K 766.491	125469.5	117704.3	2.330	mg/L	2.330 ppm
3 Mg 279.079	98309.2	99388.1	10.45	mg/L	10.45 ppm
3 Mn 257.610	17884.9	21366.8	0.0510	mg/L	0.0510 ppm
3 Mo 202.030	-100.3	21.4	0.0016	mg/L	0.0016 ppm
3 Na 330.237	6234.1	4912.8	11.78	mg/L	11.78 ppm
3 Ni 231.604	1.3	73.1	0.0018	mg/L	0.0018 ppm
3 Pb 220.353	359.6	9.1	0.0006	mg/L	0.0006 ppm
3 Sb 206.833	38.5	-8.0	-0.0032	mg/L	-0.0032 ppm
3 Se 196.026	6.8	14.6	0.0045	mg/L	0.0045 ppm
3 Tl 190.800	-48.6	-4.0	-0.0013	mg/L	-0.0013 ppm
3 V 292.402	407.9	83.0	0.0008	mg/L	0.0008 ppm
3 Zn 213.856	305.4	355.3	0.0067	mg/L	0.0067 ppm

Mean Data

ID: 2819-2 F=1 Seq. No.: 34 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: 04/25/03 12:59:46 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	125.0	0.0017	0.00052	mg/L	0.0017	0.00052	ppm	31.05%
Al 308.215	206.9	0.0226	0.00390	mg/L	0.0226	0.00390	ppm	17.23%
As 188.979	-4.9	-0.0018	0.00195	mg/L	-0.0018	0.00195	ppm	107.89%
Ba 233.527	4325.6	0.0400	0.00057	mg/L	0.0400	0.00057	ppm	1.42%
Be 313.107	29.5	0.0000	0.00008	mg/L	0.0000	0.00008	ppm	631.27%
Ca 227.547	2755.8	33.54	0.401	mg/L	33.54	0.401	ppm	1.19%
Cd 228.802	-2.1	-0.0001	0.00022	mg/L	-0.0001	0.00022	ppm	428.78%
Co 228.616	9.8	0.0003	0.00021	mg/L	0.0003	0.00021	ppm	76.84%
Cr 267.716	143.0	0.0032	0.00011	mg/L	0.0032	0.00011	ppm	3.61%
Cu 324.754	632.7	0.0057	0.00119	mg/L	0.0057	0.00119	ppm	20.97%
Fe 273.955	51908.1	2.496	0.0955	mg/L	2.496	0.0955	ppm	3.83%
K 766.491	110405.0	2.189	0.1342	mg/L	2.189	0.1342	ppm	6.13%
Mg 279.079	98420.4	10.35	0.471	mg/L	10.35	0.471	ppm	4.55%
Mn 257.610	21170.6	0.0505	0.00202	mg/L	0.0505	0.00202	ppm	4.01%
Mo 202.030	24.4	0.0018	0.00051	mg/L	0.0018	0.00051	ppm	27.93%
Na 330.237	4936.8	11.84	0.701	mg/L	11.84	0.701	ppm	5.92%
Ni 231.604	63.5	0.0016	0.00024	mg/L	0.0016	0.00024	ppm	15.25%
Pb 220.353	1.7	0.0001	0.00045	mg/L	0.0001	0.00045	ppm	390.18%
Sb 206.833	-11.4	-0.0046	0.00121	mg/L	-0.0046	0.00121	ppm	26.60%
Se 196.026	4.8	0.0015	0.00261	mg/L	0.0015	0.00261	ppm	176.94%
Tl 190.800	2.1	0.0007	0.00181	mg/L	0.0007	0.00181	ppm	261.93%
V 292.402	61.0	0.0006	0.00054	mg/L	0.0006	0.00054	ppm	86.45%
Zn 213.856	366.8	0.0069	0.00022	mg/L	0.0069	0.00022	ppm	3.20%

Replicate Data

ID: 2819-3 F=1 Date: 04/25/03 01:03:14 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-214.2	206.4	0.0028	mg/L	0.0028	ppm
1	Al 308.215	636.5	238.3	0.0260	mg/L	0.0260	ppm
1	As 188.979	-18.0	-12.5	-0.0046	mg/L	-0.0046	ppm
1	Ba 233.527	17566.5	18001.3	0.1663	mg/L	0.1663	ppm
1	Be 313.107	-2339.9	46.2	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	9227.7	9268.4	112.8	mg/L	112.8	ppm
1	Cd 228.802	135.8	5.4	0.0001	mg/L	0.0001	ppm
1	Co 228.616	67.3	-6.6	-0.0002	mg/L	-0.0002	ppm
1	Cr 267.716	186.7	267.5	0.0060	mg/L	0.0060	ppm
1	Cu 324.754	1786.3	1262.9	0.0113	mg/L	0.0113	ppm
1	Fe 273.955	67773.5	67968.6	3.267	mg/L	3.267	ppm
1	K 766.491	153461.3	145696.1	2.865	mg/L	2.865	ppm
1	Mg 279.079	374877.4	375956.2	39.53	mg/L	39.53	ppm
1	Mn 257.610	29704.1	33186.0	0.0792	mg/L	0.0792	ppm
1	Mo 202.030	-103.7	18.0	0.0013	mg/L	0.0013	ppm
1	Na 330.237	14126.3	12805.0	29.88	mg/L	29.88	ppm
1	Ni 231.604	13.3	85.2	0.0021	mg/L	0.0021	ppm
1	Pb 220.353	350.6	0.1	0.0000	mg/L	0.0000	ppm
1	Sb 206.833	42.5	-4.0	-0.0016	mg/L	-0.0016	ppm

1	Se 196.026	-8.4	-0.6	-0.0002 mg/L	-0.0002 ppm
1	Tl 190.800	-49.1	-4.5	-0.0015 mg/L	-0.0015 ppm
1	V 292.402	831.6	506.8	0.0052 mg/L	0.0052 ppm
1	Zn 213.856	647.4	697.4	0.0132 mg/L	0.0132 ppm
2	Ag 328.068	-102.9	317.7	0.0043 mg/L	0.0043 ppm
2	Al 308.215	616.1	217.9	0.0238 mg/L	0.0238 ppm
2	As 188.979	-9.9	-4.4	-0.0016 mg/L	-0.0016 ppm
2	Ba 233.527	16514.5	16949.2	0.1566 mg/L	0.1566 ppm
2	Be 313.107	-2205.0	181.1	0.0001 mg/L	0.0001 ppm
2	Ca 227.547	9112.9	9153.6	111.4 mg/L	111.4 ppm
2	Cd 228.802	128.8	-1.6	0.0000 mg/L	0.0000 ppm
2	Co 228.616	94.9	21.0	0.0006 mg/L	0.0006 ppm
2	Cr 267.716	155.6	236.4	0.0053 mg/L	0.0053 ppm
2	Cu 324.754	1817.2	1293.9	0.0116 mg/L	0.0116 ppm
2	Fe 273.955	64811.2	65006.3	3.124 mg/L	3.124 ppm
2	K 766.491	150886.4	143121.2	2.816 mg/L	2.816 ppm
2	Mg 279.079	355947.8	357026.7	37.54 mg/L	37.54 ppm
2	Mn 257.610	28042.1	31524.0	0.0752 mg/L	0.0752 ppm
2	Mo 202.030	-119.6	2.0	0.0002 mg/L	0.0002 ppm
2	Na 330.237	13226.7	11905.4	27.84 mg/L	27.84 ppm
2	Ni 231.604	31.8	103.7	0.0026 mg/L	0.0026 ppm
2	Pb 220.353	379.2	28.7	0.0020 mg/L	0.0020 ppm
2	Sb 206.833	28.2	-18.4	-0.0073 mg/L	-0.0073 ppm
2	Se 196.026	-1.2	6.6	0.0020 mg/L	0.0020 ppm
2	Tl 190.800	-50.2	-5.6	-0.0018 mg/L	-0.0018 ppm
2	V 292.402	764.9	440.0	0.0045 mg/L	0.0045 ppm
2	Zn 213.856	622.9	672.8	0.0127 mg/L	0.0127 ppm
3	Ag 328.068	-162.8	257.8	0.0035 mg/L	0.0035 ppm
3	Al 308.215	656.7	258.5	0.0282 mg/L	0.0282 ppm
3	As 188.979	-14.4	-8.9	-0.0033 mg/L	-0.0033 ppm
3	Ba 233.527	16214.0	16648.8	0.1538 mg/L	0.1538 ppm
3	Be 313.107	-2276.9	109.2	0.0000 mg/L	0.0000 ppm
3	Ca 227.547	9043.4	9084.0	110.5 mg/L	110.5 ppm
3	Cd 228.802	125.8	-4.7	-0.0001 mg/L	-0.0001 ppm
3	Co 228.616	84.1	10.2	0.0003 mg/L	0.0003 ppm
3	Cr 267.716	141.2	222.0	0.0049 mg/L	0.0049 ppm
3	Cu 324.754	1737.3	1213.9	0.0109 mg/L	0.0109 ppm
3	Fe 273.955	63244.3	63439.4	3.049 mg/L	3.049 ppm
3	K 766.491	148495.4	140730.2	2.770 mg/L	2.770 ppm
3	Mg 279.079	348364.9	349443.8	36.75 mg/L	36.75 ppm
3	Mn 257.610	27240.9	30722.8	0.0733 mg/L	0.0733 ppm
3	Mo 202.030	-113.9	7.8	0.0006 mg/L	0.0006 ppm
3	Na 330.237	13194.1	11872.8	27.77 mg/L	27.77 ppm
3	Ni 231.604	16.3	88.1	0.0022 mg/L	0.0022 ppm
3	Pb 220.353	385.9	35.4	0.0025 mg/L	0.0025 ppm
3	Sb 206.833	33.2	-13.4	-0.0054 mg/L	-0.0054 ppm
3	Se 196.026	9.5	17.3	0.0053 mg/L	0.0053 ppm
3	Tl 190.800	-48.4	-3.8	-0.0013 mg/L	-0.0013 ppm
3	V 292.402	735.6	410.8	0.0042 mg/L	0.0042 ppm
3	Zn 213.856	607.4	657.4	0.0124 mg/L	0.0124 ppm

Mean Data

ID: 2819-3 F=1 Seq. No.: 35 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: 04/25/03 01:03:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	260.7	0.0035	0.00075	mg/L	0.0035	0.00075	ppm	21.38%
Al 308.215	238.2	0.0260	0.00221	mg/L	0.0260	0.00221	ppm	8.51%
As 188.979	-8.6	-0.0032	0.00151	mg/L	-0.0032	0.00151	ppm	47.30%
Ba 233.527	17199.8	0.1589	0.00656	mg/L	0.1589	0.00656	ppm	4.13%
Be 313.107	112.2	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	60.18%
Ca 227.547	9168.7	111.6	1.13	mg/L	111.6	1.13	ppm	1.02%
Cd 228.802	-0.3	0.0000	0.00012	mg/L	0.0000	0.00012	ppm	>999.9%
Co 228.616	8.2	0.0002	0.00039	mg/L	0.0002	0.00039	ppm	168.74%
Cr 267.716	242.0	0.0054	0.00052	mg/L	0.0054	0.00052	ppm	9.61%
Cu 324.754	1256.9	0.0113	0.00036	mg/L	0.0113	0.00036	ppm	3.21%
Fe 273.955	65471.4	3.147	0.1106	mg/L	3.147	0.1106	ppm	3.52%
K 766.491	143182.5	2.817	0.0473	mg/L	2.817	0.0473	ppm	1.68%
Mg 279.079	360808.9	37.94	1.436	mg/L	37.94	1.436	ppm	3.78%

Mn 257.610	31810.9	0.0759	0.00300 mg/L	0.0759	0.00300 ppm	3.95%
Mo 202.030	9.3	0.0007	0.00060 mg/L	0.0007	0.00060 ppm	87.04%
Na 330.237	12194.4	28.49	1.198 mg/L	28.49	1.198 ppm	4.20%
Ni 231.604	92.3	0.0023	0.00025 mg/L	0.0023	0.00025 ppm	10.77%
Pb 220.353	21.4	0.0015	0.00130 mg/L	0.0015	0.00130 ppm	87.71%
Sb 206.833	-11.9	-0.0048	0.00291 mg/L	-0.0048	0.00291 ppm	61.03%
Se 196.026	7.8	0.0024	0.00277 mg/L	0.0024	0.00277 ppm	115.74%
Tl 190.800	-4.7	-0.0015	0.00029 mg/L	-0.0015	0.00029 ppm	19.10%
V 292.402	452.5	0.0046	0.00050 mg/L	0.0046	0.00050 ppm	10.88%
Zn 213.856	675.9	0.0128	0.00038 mg/L	0.0128	0.00038 ppm	2.98%

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

ID: 2819-3 D F=1 Date: 04/25/03 01:06:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-249.7	171.0	0.0023	mg/L	0.0023	ppm
1	Al 308.215	738.8	340.6	0.0372	mg/L	0.0372	ppm
1	As 188.979	-8.1	-2.6	-0.0010	mg/L	-0.0010	ppm
1	Ba 233.527	17406.5	17841.3	0.1648	mg/L	0.1648	ppm
1	Be 313.107	-2200.4	185.7	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	9201.2	9241.9	112.5	mg/L	112.5	ppm
1	Cd 228.802	121.4	-9.1	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	66.9	-6.9	-0.0002	mg/L	-0.0002	ppm
1	Cr 267.716	151.9	232.7	0.0052	mg/L	0.0052	ppm
1	Cu 324.754	1587.9	1064.6	0.0095	mg/L	0.0095	ppm
1	Fe 273.955	67570.0	67765.1	3.257	mg/L	3.257	ppm
1	K 766.491	151993.7	144228.5	2.837	mg/L	2.837	ppm
1	Mg 279.079	372868.6	373947.4	39.32	mg/L	39.32	ppm
1	Mn 257.610	29560.8	33042.6	0.0788	mg/L	0.0788	ppm
1	Mo 202.030	-108.7	12.9	0.0010	mg/L	0.0010	ppm
1	Na 330.237	14111.7	12790.4	29.84	mg/L	29.84	ppm
1	Ni 231.604	26.9	98.7	0.0025	mg/L	0.0025	ppm
1	Pb 220.353	335.8	-14.7	-0.0010	mg/L	-0.0010	ppm
1	Sb 206.833	31.6	-14.9	-0.0060	mg/L	-0.0060	ppm
1	Se 196.026	12.9	20.7	0.0064	mg/L	0.0064	ppm
1	Tl 190.800	-46.6	-2.0	-0.0007	mg/L	-0.0007	ppm
1	V 292.402	880.5	555.7	0.0057	mg/L	0.0057	ppm
1	Zn 213.856	621.3	671.3	0.0127	mg/L	0.0127	ppm
2	Ag 328.068	-74.8	345.9	0.0046	mg/L	0.0046	ppm
2	Al 308.215	617.7	219.5	0.0240	mg/L	0.0240	ppm
2	As 188.979	-15.1	-9.5	-0.0035	mg/L	-0.0035	ppm
2	Ba 233.527	16597.4	17032.2	0.1574	mg/L	0.1574	ppm
2	Be 313.107	-2332.4	53.7	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	8996.4	9037.1	110.0	mg/L	110.0	ppm
2	Cd 228.802	125.9	-4.5	-0.0001	mg/L	-0.0001	ppm
2	Co 228.616	80.4	6.5	0.0002	mg/L	0.0002	ppm
2	Cr 267.716	162.8	243.6	0.0054	mg/L	0.0054	ppm
2	Cu 324.754	1754.1	1230.8	0.0110	mg/L	0.0110	ppm
2	Fe 273.955	65330.7	65525.8	3.149	mg/L	3.149	ppm
2	K 766.491	154814.1	147048.9	2.891	mg/L	2.891	ppm
2	Mg 279.079	358854.9	359933.7	37.85	mg/L	37.85	ppm
2	Mn 257.610	28237.1	31718.9	0.0757	mg/L	0.0757	ppm
2	Mo 202.030	-119.5	2.2	0.0002	mg/L	0.0002	ppm
2	Na 330.237	13541.5	12220.2	28.55	mg/L	28.55	ppm
2	Ni 231.604	27.4	99.2	0.0025	mg/L	0.0025	ppm
2	Pb 220.353	369.9	19.4	0.0013	mg/L	0.0013	ppm
2	Sb 206.833	43.8	-2.7	-0.0011	mg/L	-0.0011	ppm
2	Se 196.026	3.1	10.9	0.0034	mg/L	0.0034	ppm
2	Tl 190.800	-44.5	0.1	0.0000	mg/L	0.0000	ppm
2	V 292.402	821.8	497.0	0.0051	mg/L	0.0051	ppm
2	Zn 213.856	599.3	649.3	0.0123	mg/L	0.0123	ppm
3	Ag 328.068	-338.0	82.7	0.0011	mg/L	0.0011	ppm
3	Al 308.215	649.3	251.1	0.0274	mg/L	0.0274	ppm
3	As 188.979	-8.1	-2.6	-0.0010	mg/L	-0.0010	ppm
3	Ba 233.527	15858.9	16293.7	0.1505	mg/L	0.1505	ppm
3	Be 313.107	-2240.8	145.3	0.0001	mg/L	0.0001	ppm
3	Ca 227.547	8968.1	9008.8	109.6	mg/L	109.6	ppm
3	Cd 228.802	133.8	3.4	0.0001	mg/L	0.0001	ppm
3	Co 228.616	84.0	10.2	0.0003	mg/L	0.0003	ppm

3 Cr 267.716	150.8	231.6	0.0052 mg/L	0.0052 ppm	
3 Cu 324.754	1743.6	1220.2	0.0109 mg/L	0.0109 ppm	
3 Fe 273.955	62430.3	62625.3	3.010 mg/L	3.010 ppm	
3 K 766.491	151384.8	143619.6	2.825 mg/L	2.825 ppm	
3 Mg 279.079	342412.9	343491.7	36.12 mg/L	36.12 ppm	
3 Mn 257.610	26811.4	30293.3	0.0723 mg/L	0.0723 ppm	
3 Mo 202.030	-110.0	11.7	0.0009 mg/L	0.0009 ppm	
3 Na 330.237	12940.0	11618.7	27.19 mg/L	27.19 ppm	
3 Ni 231.604	40.8	112.7	0.0028 mg/L	0.0028 ppm	
3 Pb 220.353	362.7	12.2	0.0008 mg/L	0.0008 ppm	
3 Sb 206.833	28.1	-18.5	-0.0074 mg/L	-0.0074 ppm	
3 Se 196.026	-7.7	0.1	0.0000 mg/L	0.0000 ppm	
3 Tl 190.800	-56.2	-11.6	-0.0038 mg/L	-0.0038 ppm	
3 V 292.402	866.9	542.1	0.0055 mg/L	0.0055 ppm	
3 Zn 213.856	569.0	618.9	0.0117 mg/L	0.0117 ppm	

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

ID: 2819-3 D F=1 Seq. No.: 36 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: 04/25/03 01:06:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	199.9	0.0027	0.00180	mg/L	0.0027	0.00180	ppm	67.02%
Al 308.215	270.4	0.0295	0.00686	mg/L	0.0295	0.00686	ppm	23.23%
As 188.979	-4.9	-0.0018	0.00149	mg/L	-0.0018	0.00149	ppm	82.17%
Ba 233.527	17055.7	0.1576	0.00715	mg/L	0.1576	0.00715	ppm	4.54%
Be 313.107	128.3	0.0001	0.00003	mg/L	0.0001	0.00003	ppm	52.75%
Ca 227.547	9095.9	110.7	1.55	mg/L	110.7	1.55	ppm	1.40%
Cd 228.802	-3.4	-0.0001	0.00015	mg/L	-0.0001	0.00015	ppm	185.16%
Co 228.616	3.2	0.0001	0.00025	mg/L	0.0001	0.00025	ppm	277.20%
Cr 267.716	235.9	0.0053	0.00015	mg/L	0.0053	0.00015	ppm	2.81%
Cu 324.754	1171.9	0.0105	0.00083	mg/L	0.0105	0.00083	ppm	7.94%
Fe 273.955	65305.4	3.139	0.1239	mg/L	3.139	0.1239	ppm	3.95%
K 766.491	144965.7	2.851	0.0348	mg/L	2.851	0.0348	ppm	1.22%
Mg 279.079	359124.3	37.76	1.603	mg/L	37.76	1.603	ppm	4.24%
Mn 257.610	31685.0	0.0756	0.00328	mg/L	0.0756	0.00328	ppm	4.34%
Mo 202.030	8.9	0.0007	0.00044	mg/L	0.0007	0.00044	ppm	65.91%
Na 330.237	12209.8	28.53	1.327	mg/L	28.53	1.327	ppm	4.65%
Ni 231.604	103.5	0.0026	0.00020	mg/L	0.0026	0.00020	ppm	7.62%
Pb 220.353	5.6	0.0004	0.00124	mg/L	0.0004	0.00124	ppm	317.92%
Sb 206.833	-12.0	-0.0048	0.00329	mg/L	-0.0048	0.00329	ppm	68.59%
Se 196.026	10.6	0.0032	0.00317	mg/L	0.0032	0.00317	ppm	97.61%
Tl 190.800	-4.5	-0.0015	0.00204	mg/L	-0.0015	0.00204	ppm	138.13%
V 292.402	531.6	0.0054	0.00031	mg/L	0.0054	0.00031	ppm	5.78%
Zn 213.856	646.5	0.0122	0.00050	mg/L	0.0122	0.00050	ppm	4.07%

Matrix Check Sample: 2819-3 D F=1

Element	Expected Conc.	Measured Conc.	Calib Std.Dev.	Calib Units	Relative % Diff.
Ag 328.068	0.0035	0.0027	0.002	mg/L	26.402
Al 308.215	0.0260	0.0295	0.007	mg/L	12.656
As 188.979	-0.0032	-0.0018	0.001	mg/L	-54.715
Ba 233.527	0.1589	0.1576	0.007	mg/L	0.841
Be 313.107	0.0000	0.0001	0.000	mg/L	13.400
Ca 227.547	111.6	110.7	1.548	mg/L	0.796
Cd 228.802	0.0000	-0.0001	0.000	mg/L	-167.582
Co 228.616	0.0002	0.0001	0.000	mg/L	86.847
Cr 267.716	0.0054	0.0053	0.000	mg/L	2.530
Cu 324.754	0.0113	0.0105	0.001	mg/L	7.003
Fe 273.955	3.147	3.139	0.124	mg/L	0.253
K 766.491	2.817	2.851	0.035	mg/L	1.199
Mg 279.079	37.94	37.76	1.603	mg/L	0.468
Mn 257.610	0.0759	0.0756	0.003	mg/L	0.397
Mo 202.030	0.0007	0.0007	0.000	mg/L	3.794
Na 330.237	28.49	28.53	1.327	mg/L	0.122
Ni 231.604	0.0023	0.0026	0.000	mg/L	11.452
Pb 220.353	0.0015	0.0004	0.001	mg/L	116.394
Sb 206.833	-0.0048	-0.0048	0.003	mg/L	-0.853
Se 196.026	0.0024	0.0032	0.003	mg/L	30.433
Tl 190.800	-0.0015	-0.0015	0.002	mg/L	-3.395

V 292.402	0.0046	0.0054	0.000	mg/L	16.062
Zn 213.856	0.0128	0.0122	0.000	mg/L	4.441

Replicate Data

ID: 2819-3 MS F=1 Date: 04/25/03 01:09:57 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	76253.3	76674.0	1.028	mg/L	1.028	ppm
1	Al 308.215	19131.7	18733.5	2.047	mg/L	2.047	ppm
1	As 188.979	1346.8	1352.3	0.5068	mg/L	0.5068	ppm
1	Ba 233.527	440307.6	440742.4	4.072	mg/L	4.072	ppm
1	Be 313.107	450417.0	452803.1	0.1853	mg/L	0.1853	ppm
1	Ca 227.547	10704.3	10745.0	130.8	mg/L	130.8	ppm
1	Cd 228.802	10362.2	10231.8	0.2474	mg/L	0.2474	ppm
1	Co 228.616	34846.5	34772.7	0.9640	mg/L	0.9640	ppm
1	Cr 267.716	43908.8	43989.6	0.9807	mg/L	0.9807	ppm
1	Cu 324.754	110928.3	110405.0	0.9899	mg/L	0.9899	ppm
1	Fe 273.955	86228.8	86423.8	4.145	mg/L	4.145	ppm
1	K 766.491	466485.6	458720.4	8.545	mg/L	8.545	ppm
1	Mg 279.079	454055.9	455134.8	47.86	mg/L	47.86	ppm
1	Mn 257.610	403603.3	407085.2	0.9712	mg/L	0.9712	ppm
1	Mo 202.030	26843.3	26965.0	2.008	mg/L	2.008	ppm
1	Na 330.237	31999.1	30677.8	69.07	mg/L	69.07	ppm
1	Ni 231.604	38413.4	38485.2	0.9713	mg/L	0.9713	ppm
1	Pb 220.353	43832.5	43482.0	3.013	mg/L	3.013	ppm
1	Sb 206.833	1263.2	1216.7	0.4851	mg/L	0.4851	ppm
1	Se 196.026	1670.9	1678.7	0.5156	mg/L	0.5156	ppm
1	Tl 190.800	1477.0	1521.6	0.5016	mg/L	0.5016	ppm
1	V 292.402	187517.6	187192.8	1.908	mg/L	1.908	ppm
1	Zn 213.856	27041.5	27091.4	0.5122	mg/L	0.5122	ppm
2	Ag 328.068	77837.3	78258.0	1.049	mg/L	1.049	ppm
2	Al 308.215	19089.3	18691.1	2.042	mg/L	2.042	ppm
2	As 188.979	1308.7	1314.3	0.4928	mg/L	0.4928	ppm
2	Ba 233.527	443543.6	443978.4	4.102	mg/L	4.102	ppm
2	Be 313.107	454581.3	456967.4	0.1870	mg/L	0.1870	ppm
2	Ca 227.547	10537.5	10578.2	128.7	mg/L	128.7	ppm
2	Cd 228.802	10330.7	10200.3	0.2467	mg/L	0.2467	ppm
2	Co 228.616	34419.2	34345.4	0.9521	mg/L	0.9521	ppm
2	Cr 267.716	44602.4	44683.1	0.9962	mg/L	0.9962	ppm
2	Cu 324.754	112223.3	111699.9	1.002	mg/L	1.002	ppm
2	Fe 273.955	86723.2	86918.3	4.169	mg/L	4.169	ppm
2	K 766.491	468900.0	461134.8	8.586	mg/L	8.586	ppm
2	Mg 279.079	457777.6	458856.4	48.25	mg/L	48.25	ppm
2	Mn 257.610	405903.3	409385.2	0.9767	mg/L	0.9767	ppm
2	Mo 202.030	26722.1	26843.8	1.999	mg/L	1.999	ppm
2	Na 330.237	32184.6	30863.3	69.47	mg/L	69.47	ppm
2	Ni 231.604	38734.4	38806.3	0.9794	mg/L	0.9794	ppm
2	Pb 220.353	43470.3	43119.8	2.988	mg/L	2.988	ppm
2	Sb 206.833	1191.5	1144.9	0.4565	mg/L	0.4565	ppm
2	Se 196.026	1673.0	1680.8	0.5163	mg/L	0.5163	ppm
2	Tl 190.800	1423.2	1467.8	0.4840	mg/L	0.4840	ppm
2	V 292.402	190139.5	189814.7	1.935	mg/L	1.935	ppm
2	Zn 213.856	26940.1	26990.0	0.5103	mg/L	0.5103	ppm
3	Ag 328.068	78552.3	78972.9	1.059	mg/L	1.059	ppm
3	Al 308.215	19406.0	19007.8	2.077	mg/L	2.077	ppm
3	As 188.979	1438.5	1444.1	0.5410	mg/L	0.5410	ppm
3	Ba 233.527	443488.9	443923.7	4.101	mg/L	4.101	ppm
3	Be 313.107	458026.9	460413.0	0.1884	mg/L	0.1884	ppm
3	Ca 227.547	10853.9	10894.5	132.6	mg/L	132.6	ppm
3	Cd 228.802	10484.9	10354.5	0.2504	mg/L	0.2504	ppm
3	Co 228.616	35094.5	35020.6	0.9708	mg/L	0.9708	ppm
3	Cr 267.716	44589.2	44670.0	0.9959	mg/L	0.9959	ppm
3	Cu 324.754	113978.7	113455.3	1.017	mg/L	1.017	ppm
3	Fe 273.955	87214.4	87409.5	4.193	mg/L	4.193	ppm
3	K 766.491	493967.3	486202.1	9.019	mg/L	9.019	ppm
3	Mg 279.079	458639.8	459718.7	48.34	mg/L	48.34	ppm
3	Mn 257.610	408311.2	411793.1	0.9824	mg/L	0.9824	ppm
3	Mo 202.030	27321.5	27443.2	2.044	mg/L	2.044	ppm
3	Na 330.237	32815.5	31494.2	70.81	mg/L	70.81	ppm

3 Ni 231.604	39140.7	39212.5	0.9897 mg/L	0.9897 ppm
3 Pb 220.353	44175.3	43824.8	3.036 mg/L	3.036 ppm
3 Sb 206.833	1282.1	1235.6	0.4927 mg/L	0.4927 ppm
3 Se 196.026	1697.0	1704.8	0.5236 mg/L	0.5236 ppm
3 Tl 190.800	1523.1	1567.7	0.5167 mg/L	0.5167 ppm
3 V 292.402	191765.6	191440.8	1.952 mg/L	1.952 ppm
3 Zn 213.856	27465.2	27515.2	0.5202 mg/L	0.5202 ppm

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

ID: 2819-3 MS F=1 Seq. No.: 37 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: 04/25/03 01:09:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	77968.3	1.045	0.0158	mg/L	1.045	0.0158	ppm	1.51%
Al 308.215	18810.8	2.056	0.0188	mg/L	2.056	0.0188	ppm	0.91%
As 188.979	1370.2	0.5135	0.02479	mg/L	0.5135	0.02479	ppm	4.83%
Ba 233.527	442881.5	4.092	0.0171	mg/L	4.092	0.0171	ppm	0.42%
Be 313.107	456727.9	0.1869	0.00156	mg/L	0.1869	0.00156	ppm	0.83%
Ca 227.547	10739.2	130.7	1.93	mg/L	130.7	1.93	ppm	1.47%
Cd 228.802	10262.2	0.2482	0.00197	mg/L	0.2482	0.00197	ppm	0.79%
Co 228.616	34712.9	0.9623	0.00947	mg/L	0.9623	0.00947	ppm	0.98%
Cr 267.716	44447.6	0.9909	0.00884	mg/L	0.9909	0.00884	ppm	0.89%
Cu 324.754	111853.4	1.003	0.0137	mg/L	1.003	0.0137	ppm	1.37%
Fe 273.955	86917.2	4.169	0.0236	mg/L	4.169	0.0236	ppm	0.57%
K 766.491	468685.8	8.717	0.2628	mg/L	8.717	0.2628	ppm	3.01%
Mg 279.079	457903.3	48.15	0.256	mg/L	48.15	0.256	ppm	0.53%
Mn 257.610	409421.1	0.9768	0.00562	mg/L	0.9768	0.00562	ppm	0.58%
Mo 202.030	27084.0	2.017	0.0236	mg/L	2.017	0.0236	ppm	1.17%
Na 330.237	31011.7	69.78	0.910	mg/L	69.78	0.910	ppm	1.30%
Ni 231.604	38834.7	0.9802	0.00920	mg/L	0.9802	0.00920	ppm	0.94%
Pb 220.353	43475.5	3.012	0.0244	mg/L	3.012	0.0244	ppm	0.81%
Sb 206.833	1199.1	0.4781	0.01910	mg/L	0.4781	0.01910	ppm	3.99%
Se 196.026	1688.1	0.5185	0.00446	mg/L	0.5185	0.00446	ppm	0.86%
Tl 190.800	1519.0	0.5008	0.01638	mg/L	0.5008	0.01638	ppm	3.27%
V 292.402	189482.7	1.932	0.0219	mg/L	1.932	0.0219	ppm	1.13%
Zn 213.856	27198.9	0.5142	0.00527	mg/L	0.5142	0.00527	ppm	1.02%

Matrix Check Sample: 2819-3 MS F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.003	1.045	0.016	mg/L	104.180
Al 308.215	2.026	2.056	0.019	mg/L	101.477
As 188.979	0.4968	0.5135	0.025	mg/L	103.344
Ba 233.527	4.159	4.092	0.017	mg/L	98.318
Be 313.107	0.2000	0.1869	0.002	mg/L	93.432
Ca 227.547	131.6	130.7	1.926	mg/L	95.566
Cd 228.802	0.2500	0.2482	0.002	mg/L	99.273
Co 228.616	1.000	0.9623	0.009	mg/L	96.207
Cr 267.716	1.005	0.9909	0.009	mg/L	98.554
Cu 324.754	1.011	1.003	0.014	mg/L	99.165
Fe 273.955	4.147	4.169	0.024	mg/L	102.239
K 766.491	7.817	8.717	0.263	mg/L	117.997
Mg 279.079	47.94	48.15	0.256	mg/L	102.101
Mn 257.610	1.076	0.9768	0.006	mg/L	90.088
Mo 202.030	2.001	2.017	0.024	mg/L	100.804
Na 330.237	68.49	69.78	0.910	mg/L	103.220
Ni 231.604	1.002	0.9802	0.009	mg/L	97.782
Pb 220.353	3.001	3.012	0.024	mg/L	100.357
Sb 206.833	0.4952	0.4781	0.019	mg/L	96.576
Se 196.026	0.5024	0.5185	0.004	mg/L	103.223
Tl 190.800	0.4985	0.5008	0.016	mg/L	100.460
V 292.402	2.005	1.932	0.022	mg/L	96.357
Zn 213.856	0.5128	0.5142	0.005	mg/L	100.288

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

ID: 2819-3 MSD F=1 Date: 04/25/03 01:12:35 PM

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

1 Ag 328.068	78114.3	78534.9	1.053 mg/L	1.053 ppm
1 Al 308.215	19332.9	18934.7	2.069 mg/L	2.069 ppm
1 As 188.979	1439.0	1444.5	0.5412 mg/L	0.5412 ppm
1 Ba 233.527	446459.3	446894.1	4.129 mg/L	4.129 ppm
1 Be 313.107	458770.8	461156.9	0.1887 mg/L	0.1887 ppm
1 Ca 227.547	10880.4	10921.1	132.9 mg/L	132.9 ppm
1 Cd 228.802	10580.8	10450.4	0.2527 mg/L	0.2527 ppm
1 Co 228.616	35451.4	35377.6	0.9807 mg/L	0.9807 ppm
1 Cr 267.716	44674.2	44755.0	0.9978 mg/L	0.9978 ppm
1 Cu 324.754	112864.4	112341.1	1.007 mg/L	1.007 ppm
1 Fe 273.955	87326.0	87521.1	4.198 mg/L	4.198 ppm
1 K 766.491	470904.0	463138.8	8.621 mg/L	8.621 ppm
1 Mg 279.079	460453.2	461532.1	48.53 mg/L	48.53 ppm
1 Mn 257.610	409431.3	412913.2	0.9851 mg/L	0.9851 ppm
1 Mo 202.030	27263.0	27384.7	2.039 mg/L	2.039 ppm
1 Na 330.237	32500.4	31179.1	70.14 mg/L	70.14 ppm
1 Ni 231.604	39004.9	39076.7	0.9863 mg/L	0.9863 ppm
1 Pb 220.353	44674.7	44324.2	3.071 mg/L	3.071 ppm
1 Sb 206.833	1335.2	1288.6	0.5139 mg/L	0.5139 ppm
1 Se 196.026	1724.2	1732.0	0.5320 mg/L	0.5320 ppm
1 Tl 190.800	1552.7	1597.3	0.5264 mg/L	0.5264 ppm
1 V 292.402	191546.6	191221.8	1.949 mg/L	1.949 ppm
1 Zn 213.856	27941.4	27991.4	0.5292 mg/L	0.5292 ppm
2 Ag 328.068	76692.8	77113.4	1.034 mg/L	1.034 ppm
2 Al 308.215	19249.0	18850.8	2.060 mg/L	2.060 ppm
2 As 188.979	1398.7	1404.2	0.5261 mg/L	0.5261 ppm
2 Ba 233.527	435981.5	436416.2	4.032 mg/L	4.032 ppm
2 Be 313.107	449434.2	451820.4	0.1849 mg/L	0.1849 ppm
2 Ca 227.547	10756.5	10797.1	131.4 mg/L	131.4 ppm
2 Cd 228.802	10368.2	10237.8	0.2476 mg/L	0.2476 ppm
2 Co 228.616	35031.9	34958.0	0.9691 mg/L	0.9691 ppm
2 Cr 267.716	43930.4	44011.2	0.9812 mg/L	0.9812 ppm
2 Cu 324.754	111460.5	110937.1	0.9947 mg/L	0.9947 ppm
2 Fe 273.955	85656.6	85851.7	4.118 mg/L	4.118 ppm
2 K 766.491	479632.7	471867.5	8.772 mg/L	8.772 ppm
2 Mg 279.079	450544.1	451622.9	47.49 mg/L	47.49 ppm
2 Mn 257.610	401037.8	404519.7	0.9651 mg/L	0.9651 ppm
2 Mo 202.030	27008.0	27129.7	2.020 mg/L	2.020 ppm
2 Na 330.237	31962.4	30641.1	68.99 mg/L	68.99 ppm
2 Ni 231.604	38258.3	38330.2	0.9674 mg/L	0.9674 ppm
2 Pb 220.353	43871.8	43521.3	3.015 mg/L	3.015 ppm
2 Sb 206.833	1294.9	1248.3	0.4978 mg/L	0.4978 ppm
2 Se 196.026	1645.3	1653.1	0.5078 mg/L	0.5078 ppm
2 Tl 190.800	1451.2	1495.8	0.4931 mg/L	0.4931 ppm
2 V 292.402	187924.5	187599.7	1.913 mg/L	1.913 ppm
2 Zn 213.856	27264.1	27314.1	0.5164 mg/L	0.5164 ppm
3 Ag 328.068	79116.2	79536.9	1.066 mg/L	1.066 ppm
3 Al 308.215	19447.1	19048.9	2.082 mg/L	2.082 ppm
3 As 188.979	1396.4	1401.9	0.5254 mg/L	0.5254 ppm
3 Ba 233.527	445982.6	446417.4	4.124 mg/L	4.124 ppm
3 Be 313.107	460499.6	462885.8	0.1894 mg/L	0.1894 ppm
3 Ca 227.547	10957.5	10998.2	133.8 mg/L	133.8 ppm
3 Cd 228.802	10532.0	10401.5	0.2515 mg/L	0.2515 ppm
3 Co 228.616	35134.1	35060.2	0.9719 mg/L	0.9719 ppm
3 Cr 267.716	44948.2	45029.0	1.004 mg/L	1.004 ppm
3 Cu 324.754	114074.0	113550.6	1.018 mg/L	1.018 ppm
3 Fe 273.955	87637.0	87832.1	4.213 mg/L	4.213 ppm
3 K 766.491	494786.4	487021.2	9.033 mg/L	9.033 ppm
3 Mg 279.079	461459.4	462538.2	48.64 mg/L	48.64 ppm
3 Mn 257.610	409210.3	412692.2	0.9846 mg/L	0.9846 ppm
3 Mo 202.030	27258.2	27379.9	2.039 mg/L	2.039 ppm
3 Na 330.237	33083.4	31762.1	71.38 mg/L	71.38 ppm
3 Ni 231.604	39084.3	39156.1	0.9883 mg/L	0.9883 ppm
3 Pb 220.353	44491.8	44141.3	3.058 mg/L	3.058 ppm
3 Sb 206.833	1275.3	1228.7	0.4900 mg/L	0.4900 ppm
3 Se 196.026	1685.6	1693.4	0.5201 mg/L	0.5201 ppm
3 Tl 190.800	1479.9	1524.5	0.5026 mg/L	0.5026 ppm
3 V 292.402	193056.4	192731.6	1.965 mg/L	1.965 ppm
3 Zn 213.856	27634.6	27684.6	0.5234 mg/L	0.5234 ppm

Mean Data

ID: 2819-3 MSD F=1 Seq. No.: 38 Sample No.: 19 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:12:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	78395.1	1.051	0.0163	mg/L	1.051	0.0163	ppm	1.55%
Al 308.215	18944.8	2.070	0.0109	mg/L	2.070	0.0109	ppm	0.52%
As 188.979	1416.9	0.5309	0.00892	mg/L	0.5309	0.00892	ppm	1.68%
Ba 233.527	443242.6	4.095	0.0547	mg/L	4.095	0.0547	ppm	1.33%
Be 313.107	458621.0	0.1877	0.00244	mg/L	0.1877	0.00244	ppm	1.30%
Ca 227.547	10905.5	132.7	1.23	mg/L	132.7	1.23	ppm	0.93%
Cd 228.802	10363.2	0.2506	0.00269	mg/L	0.2506	0.00269	ppm	1.07%
Co 228.616	35131.9	0.9739	0.00606	mg/L	0.9739	0.00606	ppm	0.62%
Cr 267.716	44598.4	0.9943	0.01174	mg/L	0.9943	0.01174	ppm	1.18%
Cu 324.754	112276.3	1.007	0.0117	mg/L	1.007	0.0117	ppm	1.16%
Fe 273.955	87068.3	4.176	0.0511	mg/L	4.176	0.0511	ppm	1.22%
K 766.491	474009.1	8.809	0.2085	mg/L	8.809	0.2085	ppm	2.37%
Mg 279.079	458564.4	48.22	0.634	mg/L	48.22	0.634	ppm	1.32%
Mn 257.610	410041.7	0.9783	0.01141	mg/L	0.9783	0.01141	ppm	1.17%
Mo 202.030	27298.1	2.033	0.0109	mg/L	2.033	0.0109	ppm	0.53%
Na 330.237	31194.1	70.17	1.192	mg/L	70.17	1.192	ppm	1.70%
Ni 231.604	38854.3	0.9807	0.01150	mg/L	0.9807	0.01150	ppm	1.17%
Pb 220.353	43995.6	3.048	0.0292	mg/L	3.048	0.0292	ppm	0.96%
Sb 206.833	1255.2	0.5005	0.01218	mg/L	0.5005	0.01218	ppm	2.43%
Se 196.026	1692.8	0.5200	0.01212	mg/L	0.5200	0.01212	ppm	2.33%
Tl 190.800	1539.2	0.5074	0.01716	mg/L	0.5074	0.01716	ppm	3.38%
V 292.402	190517.7	1.942	0.0269	mg/L	1.942	0.0269	ppm	1.38%
Zn 213.856	27663.4	0.5230	0.00641	mg/L	0.5230	0.00641	ppm	1.23%

Matrix Check Sample: 2819-3 MSD F=1

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.003	1.051	0.016	mg/L	104.752
Al 308.215	2.026	2.070	0.011	mg/L	102.210
As 188.979	0.4968	0.5309	0.009	mg/L	106.814
Ba 233.527	4.159	4.095	0.055	mg/L	98.402
Be 313.107	0.2000	0.1877	0.002	mg/L	93.819
Ca 227.547	131.6	132.7	1.234	mg/L	105.680
Cd 228.802	0.2500	0.2506	0.003	mg/L	100.250
Co 228.616	1.000	0.9739	0.006	mg/L	97.368
Cr 267.716	1.005	0.9943	0.012	mg/L	98.890
Cu 324.754	1.011	1.007	0.012	mg/L	99.544
Fe 273.955	4.147	4.176	0.051	mg/L	102.955
K 766.491	7.817	8.809	0.209	mg/L	119.839
Mg 279.079	47.94	48.22	0.634	mg/L	102.796
Mn 257.610	1.076	0.9783	0.011	mg/L	90.236
Mo 202.030	2.001	2.033	0.011	mg/L	101.601
Na 330.237	68.49	70.17	1.192	mg/L	104.189
Ni 231.604	1.002	0.9807	0.012	mg/L	97.832
Pb 220.353	3.001	3.048	0.029	mg/L	101.558
Sb 206.833	0.4952	0.5005	0.012	mg/L	101.059
Se 196.026	0.5024	0.5200	0.012	mg/L	103.516
Tl 190.800	0.4985	0.5074	0.017	mg/L	101.784
V 292.402	2.005	1.942	0.027	mg/L	96.884
Zn 213.856	0.5128	0.5230	0.006	mg/L	102.045

Replicate Data

ID: 2819-4 F=1 Date: 04/25/03 01:15:28 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-242.0	178.7	0.0024	mg/L	0.0024	ppm
1	Al 308.215	756.2	358.0	0.0391	mg/L	0.0391	ppm
1	As 188.979	-10.2	-4.7	-0.0018	mg/L	-0.0018	ppm
1	Ba 233.527	15856.5	16291.3	0.1505	mg/L	0.1505	ppm
1	Be 313.107	-2250.6	135.5	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	8773.7	8814.3	107.3	mg/L	107.3	ppm
1	Cd 228.802	132.9	2.5	0.0001	mg/L	0.0001	ppm