

Method: 23ME

IEC: 03miecl.iec

MSF:

Results: 03M1385L

Spectra Stored: Yes

Method Stored: Yes

Sample Info: 03m13851

User: L9708A

Date: 04/28/03 11:05:43 AM

Method Description: 6010B/200.7 23ME ICP-L 4/16/03

Replicate Data

ID: Calib Blank

Date: 04/28/03 11:06:58 AM

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

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

Mean Data

ID: Calib Blank

Seq. No.: 1
Data: Original

A/S Pos: 1

Date: 04/28/03 11:06:58 AM

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

Replicate Data

ID: STD1 1423A

Date: 04/28/03 11:10:11 AM

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

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

Mean Data

ID: STD1 1423A

Seq. No.: 2

A/S Pos: 2

Data: Original

Date: 04/28/03 11:10:11 AM

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

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

Replicate Data

ID: STD2 1423B

Date: 04/28/03 11:12:49 AM

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

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

Mean Data

ID: STD2 1423B

Seq. No.: 3

A/S Pos: 3

Data: Original

Date: 04/28/03 11:12:49 AM

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

Replicate Data

ID: STD3 1423C

Date: 04/28/03 11:15:40 AM

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

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

Mean Data

ID: STD3 1423C

Seq. No.: 4

Data: Original

A/S Pos: 4

Date: 04/28/03 11:15:40 AM

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

Calibration Summary

Method: 23ME

Date: 04/28/03 11:16:46 AM

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

Replicate Data

ID: ICV 1447A

Date: 04/28/03 11:18:57 AM

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

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

Mean Data

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

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

Replicate Data

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

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
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1 Ag 328.068	-372.9	-65.6	-0.0009 mg/L
1 Al 308.215	528.6	75.8	0.0081 mg/L
1 As 188.979	-14.6	4.5	0.0016 mg/L
1 Ba 233.527	-419.1	9.0	0.0001 mg/L
1 Be 313.107	-2512.0	-127.3	-0.0001 mg/L
1 Ca 227.547	-40.7	-6.0	-0.0735 mg/L
1 Cd 228.802	136.0	22.4	0.0005 mg/L
1 Co 228.616	71.7	0.1	0.0000 mg/L
1 Cr 267.716	-55.3	5.5	0.0001 mg/L
1 Cu 324.754	463.2	6.5	0.0001 mg/L
1 Fe 273.955	-188.9	-22.2	-0.0010 mg/L
1 K 766.491	6445.3	484.8	0.0799 mg/L
1 Mg 279.079	-1133.9	-49.3	-0.0050 mg/L
1 Mn 257.610	-3404.3	-58.6	-0.0001 mg/L
1 Mo 202.030	-112.7	-1.0	-0.0001 mg/L
1 Na 330.237	1383.1	254.6	1.219 mg/L
1 Ni 231.604	-95.1	-44.1	-0.0011 mg/L
1 Pb 220.353	362.7	30.6	0.0021 mg/L
1 Sb 206.833	36.3	4.3	0.0017 mg/L
1 Se 196.026	-5.8	-4.3	-0.0013 mg/L
1 Tl 190.800	-39.1	-3.4	-0.0011 mg/L
1 V 292.402	247.8	41.8	0.0004 mg/L
1 Zn 213.856	-41.7	8.5	0.0002 mg/L

2 Ag 328.068	-353.2	-45.8	-0.0006 mg/L
2 Al 308.215	612.8	160.1	0.0171 mg/L
2 As 188.979	-20.1	-1.0	-0.0004 mg/L
2 Ba 233.527	-395.3	32.8	0.0003 mg/L
2 Be 313.107	-2280.7	104.0	0.0000 mg/L
2 Ca 227.547	-33.3	1.4	0.0174 mg/L
2 Cd 228.802	127.0	13.3	0.0003 mg/L
2 Co 228.616	71.8	0.2	0.0000 mg/L
2 Cr 267.716	-63.2	-2.3	-0.0001 mg/L
2 Cu 324.754	501.1	44.4	0.0004 mg/L
2 Fe 273.955	-168.4	-1.7	-0.0001 mg/L
2 K 766.491	6302.1	341.6	0.0771 mg/L
2 Mg 279.079	-1134.8	-50.2	-0.0051 mg/L
2 Mn 257.610	-3429.9	-84.3	-0.0002 mg/L
2 Mo 202.030	-118.4	-6.6	-0.0005 mg/L
2 Na 330.237	1327.8	199.3	1.089 mg/L
2 Ni 231.604	-70.6	-19.6	-0.0005 mg/L
2 Pb 220.353	350.4	18.3	0.0013 mg/L
2 Sb 206.833	55.3	23.3	0.0093 mg/L
2 Se 196.026	1.4	2.9	0.0009 mg/L
2 Tl 190.800	-47.1	-11.5	-0.0036 mg/L
2 V 292.402	336.4	130.4	0.0013 mg/L
2 Zn 213.856	-36.4	13.8	0.0003 mg/L

3 Ag 328.068	-355.7	-48.4	-0.0006 mg/L
3 Al 308.215	533.9	81.1	0.0087 mg/L
3 As 188.979	-8.5	10.7	0.0038 mg/L
3 Ba 233.527	-409.6	18.5	0.0002 mg/L
3 Be 313.107	-2295.1	89.6	0.0000 mg/L
3 Ca 227.547	-41.9	-7.2	-0.0877 mg/L
3 Cd 228.802	129.6	16.0	0.0004 mg/L
3 Co 228.616	60.3	-11.3	-0.0003 mg/L
3 Cr 267.716	-81.7	-20.8	-0.0005 mg/L
3 Cu 324.754	580.2	123.5	0.0011 mg/L
3 Fe 273.955	-191.0	-24.2	-0.0011 mg/L
3 K 766.491	6560.9	600.4	0.0822 mg/L
3 Mg 279.079	-1121.1	-36.5	-0.0037 mg/L
3 Mn 257.610	-3427.6	-82.0	-0.0002 mg/L
3 Mo 202.030	-120.2	-8.4	-0.0006 mg/L
3 Na 330.237	1537.1	408.6	1.579 mg/L
3 Ni 231.604	-90.7	-39.7	-0.0010 mg/L
3 Pb 220.353	344.8	12.7	0.0009 mg/L
3 Sb 206.833	48.9	16.9	0.0067 mg/L
3 Se 196.026	-1.6	-0.1	0.0000 mg/L
3 Tl 190.800	-39.3	-3.7	-0.0012 mg/L
3 V 292.402	258.9	52.9	0.0005 mg/L
3 Zn 213.856	-37.5	12.6	0.0002 mg/L

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:	1.0
	Data: Original	Date: 04/28/03	11:25:20 AM	

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

Replicate Data -

ID: CRI A1432

Date: 04/28/03 11:28:44 AM

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

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2 Mn 257.610	88.4	3434.1	0.0080 mg/L
2 Mo 202.030	49.9	161.6	0.0118 mg/L
2 Na 330.237	1150.8	22.3	0.6747 mg/L
2 Ni 231.604	618.9	669.9	0.0167 mg/L
2 Pb 220.353	473.7	141.6	0.0098 mg/L
2 Sb 206.833	82.8	50.8	0.0203 mg/L
2 Se 196.026	34.8	36.3	0.0110 mg/L
2 Tl 190.800	-13.7	21.9	0.0069 mg/L
2 V 292.402	1125.0	919.0	0.0091 mg/L
2 Zn 213.856	973.1	1023.3	0.0192 mg/L

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

Mean Data

ID: CRI A1432

Sample Qty: 1.0000 g

Seq. No.: 7

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 8

A/S Pos: 9

Dilution: 1.0: 1.0

Date: 04/28/03 11:28:44 AM

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

Replicate Data

ID: ICSA 1441

Date: 04/28/03 11:31:55 AM

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

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

Mean Data

ID: IC5A 1441

Seq. No.: 8

Sample No.: 3

A/S Pos: 7

3666

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

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

Replicate Data

ID: ICSAB 1443

Date: 04/28/03 11:34:34 AM

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

2 Mo 202.030	13162.7	13274.4	0.9613 mg/L
2 Na 330.237	1071.8	-56.8	0.4895 mg/L
2 Ni 231.604	37554.8	37605.7	0.9349 mg/L
2 Pb 220.353	13716.8	13384.7	0.9536 mg/L
2 Sb 206.833	2515.5	2483.5	0.9803 mg/L
2 Se 196.026	3036.2	3037.7	0.9549 mg/L
2 Tl 190.800	2971.5	3007.1	0.9474 mg/L
2 V 292.402	48192.2	47986.2	0.4900 mg/L
2 Zn 213.856	53207.3	53257.5	0.9796 mg/L

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

Mean Data -----

ID: ICSAB 1443

Sample Qty: 1.0000 g

Seq. No.: 9

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 4

1.0 L

A/S Pos: 8

Dilution: 1.0: 1.0

Date: 04/28/03 11:34:34 AM

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

Replicate Data -----

ID: CCV 1447B

Date: 04/28/03 11:37:13 AM

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

1 As 188.979	1361.2	1380.3	0.4985 mg/L
1 Ba 233.527	539842.0	540270.1	4.886 mg/L
1 Be 313.107	1232094.2	1234478.9	0.4985 mg/L
1 Ca 227.547	4175.9	4210.6	51.16 mg/L
1 Cd 228.802	40268.0	40154.4	0.9686 mg/L
1 Co 228.616	72088.4	72016.8	1.980 mg/L
1 Cr 267.716	22212.9	22273.7	0.4854 mg/L
1 Cu 324.754	221818.4	221361.7	1.946 mg/L
1 Fe 273.955	110057.8	110224.5	5.165 mg/L
1 K 766.491	868434.8	862474.3	15.05 mg/L
1 Mg 279.079	246939.8	248024.4	25.38 mg/L
1 Mn 257.610	837233.7	840579.3	1.963 mg/L
1 Mo 202.030	26223.9	26335.7	1.917 mg/L
1 Na 330.237	47398.7	46270.2	101.0 mg/L
1 Ni 231.604	80353.5	80404.5	1.999 mg/L
1 Pb 220.353	7530.9	7198.8	0.4988 mg/L
1 Sb 206.833	5068.0	5036.0	2.017 mg/L
1 Se 196.026	1663.2	1664.7	0.5054 mg/L
1 Tl 190.800	1533.4	1569.0	0.4963 mg/L
1 V 292.402	200573.9	200367.9	1.985 mg/L
1 Zn 213.856	106843.5	106893.7	2.005 mg/L

2 Ag 328.068	70943.5	71250.8	0.9319 mg/L
2 Al 308.215	49324.9	48872.1	5.228 mg/L
2 As 188.979	1396.8	1415.9	0.5114 mg/L
2 Ba 233.527	513871.3	514299.5	4.651 mg/L
2 Be 313.107	1178161.3	1180546.0	0.4767 mg/L
2 Ca 227.547	4207.5	4242.2	51.54 mg/L
2 Cd 228.802	41203.7	41090.1	0.9911 mg/L
2 Co 228.616	69236.3	69164.7	1.902 mg/L
2 Cr 267.716	22779.5	22840.4	0.4978 mg/L
2 Cu 324.754	213406.7	212950.1	1.872 mg/L
2 Fe 273.955	104741.2	104908.0	4.916 mg/L
2 K 766.491	837086.3	831125.8	14.56 mg/L
2 Mg 279.079	235596.5	236681.1	24.22 mg/L
2 Mn 257.610	802463.9	805809.5	1.882 mg/L
2 Mo 202.030	27216.0	27327.8	1.989 mg/L
2 Na 330.237	45229.3	44100.8	96.57 mg/L
2 Ni 231.604	77096.7	77147.6	1.918 mg/L
2 Pb 220.353	7667.4	7335.3	0.5082 mg/L
2 Sb 206.833	5117.4	5085.4	2.037 mg/L
2 Se 196.026	1677.8	1679.3	0.5098 mg/L
2 Tl 190.800	1505.1	1540.7	0.4873 mg/L
2 V 292.402	191930.3	191724.3	1.900 mg/L
2 Zn 213.856	103085.1	103135.2	1.934 mg/L

3 Ag 328.068	74057.4	74364.7	0.9726 mg/L
3 Al 308.215	51290.0	50837.2	5.438 mg/L
3 As 188.979	1342.9	1362.0	0.4919 mg/L
3 Ba 233.527	534396.9	534825.0	4.837 mg/L
3 Be 313.107	1224098.4	1226483.1	0.4952 mg/L
3 Ca 227.547	4029.4	4064.1	49.38 mg/L
3 Cd 228.802	39505.4	39391.7	0.9502 mg/L
3 Co 228.616	71433.7	71362.1	1.962 mg/L
3 Cr 267.716	21884.0	21944.8	0.4782 mg/L
3 Cu 324.754	221233.5	220776.8	1.941 mg/L
3 Fe 273.955	108553.1	108719.8	5.094 mg/L
3 K 766.491	858448.3	852487.8	14.90 mg/L
3 Mg 279.079	244045.7	245130.3	25.08 mg/L
3 Mn 257.610	831923.0	835268.6	1.950 mg/L
3 Mo 202.030	26043.4	26155.2	1.904 mg/L
3 Na 330.237	47427.9	46299.4	101.0 mg/L
3 Ni 231.604	79664.0	79715.0	1.982 mg/L
3 Pb 220.353	7569.9	7237.8	0.5015 mg/L
3 Sb 206.833	4878.5	4846.5	1.941 mg/L
3 Se 196.026	1663.9	1665.4	0.5056 mg/L
3 Tl 190.800	1461.7	1497.3	0.4737 mg/L
3 V 292.402	199790.0	199584.0	1.977 mg/L
3 Zn 213.856	106643.0	106693.1	2.001 mg/L

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 10

Prep. Vol.:

Sample No.: 5

1.0 L

A/S Pos: 6

Dilution:

1.0:

1.0
3669

Data: Original

Date: 04/28/03 11:37:13 AM

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

Replicate Data

ID: CCB

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

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

2 Na 330.237	1423.0	294.4	1.312 mg/L
2 Ni 231.604	-85.5	-34.5	-0.0009 mg/L
2 Pb 220.353	341.6	9.5	0.0007 mg/L
2 Sb 206.833	34.2	2.2	0.0009 mg/L
2 Se 196.026	-6.4	-4.9	-0.0015 mg/L
2 Tl 190.800	-31.4	4.2	0.0013 mg/L
2 V 292.402	250.4	44.4	0.0004 mg/L
2 Zn 213.856	-14.4	35.8	0.0007 mg/L

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

Mean Data

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

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

Replicate Data

ID: Calib Blank	Date: 04/28/03	11:42:32 AM
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Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units
1	Ag 328.068	-495.8	-495.8	0 mg/L
1	Al 308.215	576.7	576.7	0 mg/L
1	As 188.979	-7.1	-7.1	0 mg/L

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

Mean Data

ID: Calib Blank

Seq. No.: 1

Data: Original

A/S Pos: 1

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

3672

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

Calibration Summary

Method: 23ME

Date: 04/28/03 11:43:37 AM

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

Calibration Summary

Method: 23ME

Date: 04/28/03 11:44:49 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	76461.4	0.00000	0.999447
Al 308.215	3	Linear-thru-Zero	0.0	9348.5	0.00000	0.999944
As 188.979	3	Linear-thru-Zero	0.0	2781.3	0.00000	0.999845
Ba 233.527	3	Linear-thru-Zero	0.0	110579.1	0.00000	0.999592
Be 313.107	3	Linear-thru-Zero	0.0	2476626.2	0.00000	0.999863
Ca 227.547	3	Linear-thru-Zero	0.0	82.3	0.00000	0.999783
Cd 228.802	3	Linear-thru-Zero	0.0	41457.0	0.00000	0.999802
Co 228.616	3	Linear-thru-Zero	0.0	36369.9	0.00000	0.999837
Cr 267.716	3	Linear-thru-Zero	0.0	45887.0	0.00000	0.999346
Cu 324.754	3	Linear-thru-Zero	0.0	113751.6	0.00000	0.999404
Fe 273.955	3	Linear-thru-Zero	0.0	21297.8	0.00000	0.999864

K 766.491	3	Non-Linear	-3599.7	51085.7	428.04235	0.998180
Mg 279.079	3	Linear-thru-Zero	0.0	9773.5	0.00000	0.999837
Mn 257.610	3	Linear-thru-Zero	0.0	428277.7	0.00000	0.999692
Mo 202.030	3	Linear-thru-Zero	0.0	13739.8	0.00000	0.999279
Na 330.237	3	Non-Linear	-265.6	426.4	0.34184	0.999073
Ni 231.604	3	Linear-thru-Zero	0.0	40222.9	0.00000	0.999942
Pb 220.353	3	Linear-thru-Zero	0.0	14432.5	0.00000	0.999961
Sb 206.833	3	Linear-thru-Zero	0.0	2499.3	0.00000	0.999778
Se 196.026	3	Linear-thru-Zero	0.0	3293.9	0.00000	0.999990
Tl 190.800	3	Linear-thru-Zero	0.0	3181.7	0.00000	0.999881
V 292.402	3	Linear-thru-Zero	0.0	100931.1	0.00000	0.999862
Zn 213.856	3	Linear-thru-Zero	0.0	53324.3	0.00000	0.999994

Replicate Data

ID: CCV 1447B

Date: 04/28/03 11:45:54 AM

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

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

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 10

Sample No.: 5

A/S Pos: 6

Prep. Vol.: 1.0 L

Dilution: 1.0: 1.0

Data: Original

Date: 04/28/03 11:45:54 AM

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

Replicate Data

ID: CCB

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

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

1 Sb 206.833	39.0	8.3	0.0033 mg/L
1 Se 196.026	-1.0	-5.5	-0.0017 mg/L
1 Tl 190.800	-38.3	-4.5	-0.0014 mg/L
1 V 292.402	317.3	34.8	0.0003 mg/L
1 Zn 213.856	-26.5	17.2	0.0003 mg/L

2 Ag 328.068	-347.1	73.4	0.0010 mg/L
2 Al 308.215	446.6	4.1	0.0004 mg/L
2 As 188.979	-16.3	-6.0	-0.0022 mg/L
2 Ba 233.527	-393.0	39.8	0.0004 mg/L
2 Be 313.107	-2390.9	-90.1	0.0000 mg/L
2 Ca 227.547	-46.4	-14.1	-0.1713 mg/L
2 Cd 228.802	136.5	10.6	0.0003 mg/L
2 Co 228.616	63.3	-8.1	-0.0002 mg/L
2 Cr 267.716	-42.6	20.3	0.0004 mg/L
2 Cu 324.754	505.7	-42.8	-0.0004 mg/L
2 Fe 273.955	-177.5	2.1	0.0001 mg/L
2 K 766.491	5863.0	-224.3	0.0660 mg/L
2 Mg 279.079	-882.1	133.0	0.0136 mg/L
2 Mn 257.610	-3290.8	92.4	0.0002 mg/L
2 Mo 202.030	-118.5	-4.1	-0.0003 mg/L
2 Na 330.237	1127.4	-106.7	0.3726 mg/L
2 Ni 231.604	-77.1	-24.1	-0.0006 mg/L
2 Pb 220.353	335.9	1.4	0.0001 mg/L
2 Sb 206.833	49.2	18.4	0.0074 mg/L
2 Se 196.026	1.4	-3.1	-0.0009 mg/L
2 Tl 190.800	-29.0	4.8	0.0015 mg/L
2 V 292.402	324.2	41.6	0.0004 mg/L
2 Zn 213.856	-26.2	17.5	0.0003 mg/L

3 Ag 328.068	-307.6	112.9	0.0015 mg/L
3 Al 308.215	484.6	42.1	0.0045 mg/L
3 As 188.979	-6.4	4.0	0.0014 mg/L
3 Ba 233.527	-414.7	18.2	0.0002 mg/L
3 Be 313.107	-2088.5	212.2	0.0001 mg/L
3 Ca 227.547	-40.4	-8.0	-0.0975 mg/L
3 Cd 228.802	141.3	15.4	0.0004 mg/L
3 Co 228.616	74.5	3.0	0.0001 mg/L
3 Cr 267.716	-53.9	9.0	0.0002 mg/L
3 Cu 324.754	544.0	-4.5	0.0000 mg/L
3 Fe 273.955	-189.5	-9.8	-0.0005 mg/L
3 K 766.491	5819.1	-268.2	0.0652 mg/L
3 Mg 279.079	-1064.5	-49.4	-0.0051 mg/L
3 Mn 257.610	-3345.8	37.4	0.0001 mg/L
3 Mo 202.030	-118.4	-4.0	-0.0003 mg/L
3 Na 330.237	1194.6	-39.4	0.5301 mg/L
3 Ni 231.604	-90.4	-37.3	-0.0009 mg/L
3 Pb 220.353	322.2	-12.4	-0.0009 mg/L
3 Sb 206.833	22.4	-8.3	-0.0033 mg/L
3 Se 196.026	-18.7	-23.1	-0.0070 mg/L
3 Tl 190.800	-38.7	-4.9	-0.0016 mg/L
3 V 292.402	245.8	-36.8	-0.0004 mg/L
3 Zn 213.856	-36.5	7.2	0.0001 mg/L

Mean Data

ID: CCB	Seq. No.: 11	Sample No.: 6	A/S Pos: 1
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0:	1.0
	Data: Original	Date: 04/28/03	11:48:44 AM

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

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

Replicate Data

ID: M-BL 03M1385

Date: 04/28/03

11:52:09 AM

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

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

Mean Data

ID: M-BL 03M1385

Sample Qty: 1.0000 mL

Seq. No.: 12

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 1

A/S Pos: 10

Dilution: 1.0: 1.0

Date: 04/28/03 11:52:09 AM

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

Replicate Data

ID: LCS-03M1385

Date: 04/28/03 11:55:19 AM

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

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

Mean Data

ID: LCS-03M1385

Sample Qty: 1.0000 mL

Seq. No.: 13

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 2

1.0 mL

A/S Pos: 11

Dilution:

1.0:

1.0

Date: 04/28/03

11:55:19 AM

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

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

Matrix Check Sample: LCS-03M1385

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

Replicate Data

ID: LCSD-03M1385

Date: 04/28/03 11:57:52 AM

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

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

Mean Data

ID: LCSD-03M1385

Sample Qty: 1.0000 mL

Seq. No.: 14

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 3

1.0 mL

A/S Pos: 12

Dilution: 1.0: 1.0

Date: 04/28/03 11:57:52 AM

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

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

Matrix Check Sample: LCSD-03M1385

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

Replicate Data

ID: 2864-6 S F=1

Date: 04/28/03 12:00:43 PM

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

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

Mean Data

ID: 2864-6 S F=1

Sample Qty: 1.0000 mL

Seq. No.: 15

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 4

1.0 mL

A/S Pos: 13

Dilution:

1.0:

1.0

Date: 04/28/03 12:00:43 PM

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

Replicate Data

ID: 2864-6 D F=1

Date: 04/28/03 12:04:11 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
					3683

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

Mean Data

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

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

Matrix Check Sample: 2864-6 D F=1

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

Replicate Data

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

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

1 Co 228.616	70.4	-1.1	0.0000 mg/L	-0.0002 ppm
1 Cr 267.716	-58.2	4.7	0.0001 mg/L	0.0005 ppm
1 Cu 324.754	1749.4	1200.9	0.0106 mg/L	0.0528 ppm
1 Fe 273.955	207.1	386.8	0.0182 mg/L	0.0908 ppm
1 K 766.491	6476.2	388.9	0.0780 mg/L	0.3901 ppm
1 Mg 279.079	-1018.5	-3.4	-0.0003 mg/L	-0.0017 ppm
1 Mn 257.610	-3186.4	196.8	0.0005 mg/L	0.0023 ppm
1 Mo 202.030	-111.6	2.9	0.0002 mg/L	0.0010 ppm
1 Na 330.237	1243.1	9.1	0.6438 mg/L	3.219 ppm
1 Ni 231.604	-49.7	3.4	0.0001 mg/L	0.0004 ppm
1 Pb 220.353	341.6	7.1	0.0005 mg/L	0.0024 ppm
1 Sb 206.833	37.1	6.4	0.0025 mg/L	0.0127 ppm
1 Se 196.026	0.4	-4.1	-0.0012 mg/L	-0.0062 ppm
1 Tl 190.800	-44.1	-10.3	-0.0032 mg/L	-0.0161 ppm
1 V 292.402	380.4	97.8	0.0010 mg/L	0.0048 ppm
1 Zn 213.856	91.9	135.6	0.0025 mg/L	0.0127 ppm

2 Ag 328.068	-235.1	185.4	0.0024 mg/L	0.0121 ppm
2 Al 308.215	617.4	174.8	0.0187 mg/L	0.0935 ppm
2 As 188.979	-12.2	-1.9	-0.0007 mg/L	-0.0034 ppm
2 Ba 233.527	-313.9	118.9	0.0011 mg/L	0.0054 ppm
2 Be 313.107	-2439.3	-138.5	-0.0001 mg/L	-0.0003 ppm
2 Ca 227.547	-36.4	-4.0	-0.0489 mg/L	-0.2447 ppm
2 Cd 228.802	108.6	-17.3	-0.0004 mg/L	-0.0021 ppm
2 Co 228.616	80.4	8.9	0.0002 mg/L	0.0012 ppm
2 Cr 267.716	-41.7	21.2	0.0005 mg/L	0.0023 ppm
2 Cu 324.754	1487.9	939.4	0.0083 mg/L	0.0413 ppm
2 Fe 273.955	197.4	377.1	0.0177 mg/L	0.0885 ppm
2 K 766.491	6108.8	21.5	0.0708 mg/L	0.3542 ppm
2 Mg 279.079	-880.1	135.0	0.0138 mg/L	0.0691 ppm
2 Mn 257.610	-3189.8	193.4	0.0005 mg/L	0.0023 ppm
2 Mo 202.030	-113.5	0.9	0.0001 mg/L	0.0003 ppm
2 Na 330.237	1284.6	50.6	0.7409 mg/L	3.705 ppm
2 Ni 231.604	-55.5	-2.4	-0.0001 mg/L	-0.0003 ppm
2 Pb 220.353	336.0	1.5	0.0001 mg/L	0.0005 ppm
2 Sb 206.833	37.1	6.3	0.0025 mg/L	0.0127 ppm
2 Se 196.026	13.9	9.4	0.0029 mg/L	0.0143 ppm
2 Tl 190.800	-33.1	0.7	0.0002 mg/L	0.0012 ppm
2 V 292.402	247.2	-35.4	-0.0004 mg/L	-0.0018 ppm
2 Zn 213.856	95.8	139.5	0.0026 mg/L	0.0131 ppm

3 Ag 328.068	-421.3	-0.8	0.0000 mg/L	-0.0001 ppm
3 Al 308.215	473.5	30.9	0.0033 mg/L	0.0165 ppm
3 As 188.979	-19.9	-9.5	-0.0034 mg/L	-0.0171 ppm
3 Ba 233.527	-290.0	142.9	0.0013 mg/L	0.0065 ppm
3 Be 313.107	-2194.1	106.6	0.0000 mg/L	0.0002 ppm
3 Ca 227.547	-26.3	6.1	0.0739 mg/L	0.3695 ppm
3 Cd 228.802	117.4	-8.5	-0.0002 mg/L	-0.0010 ppm
3 Co 228.616	62.2	-9.3	-0.0003 mg/L	-0.0013 ppm
3 Cr 267.716	-64.7	-1.8	0.0000 mg/L	-0.0002 ppm
3 Cu 324.754	1312.6	764.1	0.0067 mg/L	0.0336 ppm
3 Fe 273.955	189.0	368.7	0.0173 mg/L	0.0866 ppm
3 K 766.491	6141.7	54.5	0.0715 mg/L	0.3574 ppm
3 Mg 279.079	-849.1	166.0	0.0170 mg/L	0.0849 ppm
3 Mn 257.610	-3227.3	155.9	0.0004 mg/L	0.0018 ppm
3 Mo 202.030	-107.3	7.1	0.0005 mg/L	0.0026 ppm
3 Na 330.237	1108.0	-126.1	0.3271 mg/L	1.636 ppm
3 Ni 231.604	-58.7	-5.6	-0.0001 mg/L	-0.0007 ppm
3 Pb 220.353	326.7	-7.9	-0.0005 mg/L	-0.0027 ppm
3 Sb 206.833	47.1	16.4	0.0066 mg/L	0.0328 ppm
3 Se 196.026	7.1	2.7	0.0008 mg/L	0.0040 ppm
3 Tl 190.800	-43.5	-9.7	-0.0031 mg/L	-0.0153 ppm
3 V 292.402	128.4	-154.2	-0.0015 mg/L	-0.0076 ppm
3 Zn 213.856	93.6	137.3	0.0026 mg/L	0.0129 ppm

Mean Data

ID: 2864-6 1/5 F=5

Sample Qty: 1.0000 mL

Seq. No.: 17

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 6

1.0 mL

A/S Pos: 15

Dilution:

1.0:

5.0

Date: 04/28/03

12:07:40 PM

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

3686

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

Replicate Data

ID: 2864-6 MS F=1

Date: 04/28/03 12:10:54 PM

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

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

Mean Data

ID: 2864-6 MS F=1

Sample Qty: 1.0000 mL

Seq. No.: 18

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 7

A/S Pos: 16

Dilution:

1.0:

1.0

Date: 04/28/03 12:10:54 PM

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

Matrix Check Sample: 2864-6 MS F=1

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

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

Replicate Data

ID: 2864-6 MSD F=1

Date: 04/28/03 12:13:28 PM

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

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

Mean Data

ID: 2864-6 MSD F=1

Seq. No.: 19

Sample No.: 8

A/S Pos: 17

Sample Qty: 1.0000 mL

Prep. Vol.: 1.0 mL

Dilution:

1.0:

1.0

Data: Original

Date: 04/28/03 12:13:28 PM

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

Matrix Check Sample: 2864-6 MSD F=1

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

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

Replicate Data

ID: 2864-6 PS F=1

Date: 04/28/03 12:15:59 PM

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

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

Mean Data

ID: 2864-6 PS F=1

Sample Qty: 1.0000 mL

Seq. No.: 20

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 9

Dilution: 1.0

A/S Pos: 18

Date: 04/28/03 12:15:59 PM

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

Matrix Check Sample: 2864-6 PS F=1

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

Replicate Data

ID: CCV 1447B

Date: 04/28/03 12:18:35 PM

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

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

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 21

Sample No.: 5

A/S Pos: 6

Prep. Vol.: 1.0 L

Dilution: 1.0: 1.0

Data: Original

Date: 04/28/03 12:18:35 PM

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

Replicate Data

ID: CCB

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

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

2 Cr 267.716	-62.8	0.1	0.0000 mg/L
2 Cu 324.754	695.1	146.6	0.0013 mg/L
2 Fe 273.955	-163.9	15.8	0.0007 mg/L
2 K 766.491	5832.3	-254.9	0.0654 mg/L
2 Mg 279.079	-1044.2	-29.1	-0.0030 mg/L
2 Mn 257.610	-3281.7	101.5	0.0002 mg/L
2 Mo 202.030	-110.2	4.2	0.0003 mg/L
2 Na 330.237	1271.7	37.7	0.7107 mg/L
2 Ni 231.604	-55.9	-2.8	-0.0001 mg/L
2 Pb 220.353	361.3	26.8	0.0019 mg/L
2 Sb 206.833	34.4	3.7	0.0015 mg/L
2 Se 196.026	2.3	-2.2	-0.0007 mg/L
2 Tl 190.800	-34.2	-0.3	-0.0001 mg/L
2 V 292.402	374.9	92.3	0.0009 mg/L
2 Zn 213.856	-35.1	8.6	0.0002 mg/L

3 Ag 328.068	-300.4	120.1	0.0016 mg/L
3 Al 308.215	436.5	-6.1	-0.0007 mg/L
3 As 188.979	-17.7	-7.4	-0.0027 mg/L
3 Ba 233.527	-408.8	24.0	0.0002 mg/L
3 Be 313.107	-2150.9	149.8	0.0001 mg/L
3 Ca 227.547	-33.2	-0.9	-0.0105 mg/L
3 Cd 228.802	125.4	-0.5	0.0000 mg/L
3 Co 228.616	94.0	22.5	0.0006 mg/L
3 Cr 267.716	-63.5	-0.6	0.0000 mg/L
3 Cu 324.754	567.8	19.3	0.0002 mg/L
3 Fe 273.955	-200.5	-20.9	-0.0010 mg/L
3 K 766.491	5978.0	-109.3	0.0683 mg/L
3 Mg 279.079	-907.4	107.7	0.0110 mg/L
3 Mn 257.610	-3315.1	68.2	0.0002 mg/L
3 Mo 202.030	-122.3	-7.9	-0.0006 mg/L
3 Na 330.237	1316.5	82.5	0.8158 mg/L
3 Ni 231.604	-67.5	-14.4	-0.0004 mg/L
3 Pb 220.353	359.7	25.2	0.0017 mg/L
3 Sb 206.833	34.8	4.0	0.0016 mg/L
3 Se 196.026	3.4	-1.1	-0.0003 mg/L
3 Tl 190.800	-38.5	-4.7	-0.0015 mg/L
3 V 292.402	221.3	-61.2	-0.0006 mg/L
3 Zn 213.856	-41.8	1.9	0.0000 mg/L

Mean Data

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

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

Replicate Data

ID: 2864-8 F=1

Date: 04/28/03 12:24:52 PM

3695

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

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

Mean Data

ID: 2864-8 F=1

Sample Qty: 1.0000 mL

Seq. No.: 23

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 10

A/S Pos: 19

Dilution: 1.0: 1.0

Date: 04/28/03 12:24:52 PM

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

Replicate Data

ID: 2864-12 F=1

Date: 04/28/03 12:28:19 PM

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

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

Mean Data

ID: 2864-12 F=1

Sample Qty: 1.0000 mL

Seq. No.: 24

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 11

A/S Pos: 20

Dilution:

1.0:

1.0

Date: 04/28/03

12:28:19 PM

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

Replicate Data

ID: 2866-1 F=1

Date: 04/28/03 12:31:45 PM

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

3 Zn 213.856 196.4 240.1 0.0045 mg/L 0.0045 ppm

Mean Data

ID: 2866-1 F=1

Sample Qty: 1.0000 mL

Seq. No.: 25

Sample No.: 12

A/S Pos: 21

Prep. Vol.: 1.0 mL

Dilution:

1.0:

1.0

Data: Original

Date: 04/28/03

12:31:45 PM

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

Replicate Data

ID: 2866-2 F=1

Date: 04/28/03 12:35:12 PM

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

2 Fe 273.955	375.6	555.3	0.0261 mg/L	0.0261 ppm
2 K 766.491	7688.7	1601.4	0.1017 mg/L	0.1017 ppm
2 Mg 279.079	-959.1	56.0	0.0057 mg/L	0.0057 ppm
2 Mn 257.610	-3199.7	183.5	0.0004 mg/L	0.0004 ppm
2 Mo 202.030	-117.9	-3.5	-0.0003 mg/L	-0.0003 ppm
2 Na 330.237	1362.8	128.7	0.9240 mg/L	0.9240 ppm
2 Ni 231.604	-50.7	2.4	0.0001 mg/L	0.0001 ppm
2 Pb 220.353	345.2	10.7	0.0007 mg/L	0.0007 ppm
2 Sb 206.833	43.1	12.3	0.0049 mg/L	0.0049 ppm
2 Se 196.026	12.3	7.9	0.0024 mg/L	0.0024 ppm
2 Tl 190.800	-39.7	-5.9	-0.0019 mg/L	-0.0019 ppm
2 V 292.402	291.7	9.2	0.0001 mg/L	0.0001 ppm
2 Zn 213.856	206.2	249.9	0.0047 mg/L	0.0047 ppm

3 Ag 328.068	-319.7	100.8	0.0013 mg/L	0.0013 ppm
3 Al 308.215	663.3	220.8	0.0236 mg/L	0.0236 ppm
3 As 188.979	-29.3	-19.0	-0.0068 mg/L	-0.0068 ppm
3 Ba 233.527	96.9	529.8	0.0048 mg/L	0.0048 ppm
3 Be 313.107	-2442.3	-141.5	-0.0001 mg/L	-0.0001 ppm
3 Ca 227.547	-48.4	-16.1	-0.1951 mg/L	-0.1951 ppm
3 Cd 228.802	129.1	3.2	0.0001 mg/L	0.0001 ppm
3 Co 228.616	63.0	-8.5	-0.0002 mg/L	-0.0002 ppm
3 Cr 267.716	7.3	70.2	0.0015 mg/L	0.0015 ppm
3 Cu 324.754	772.5	224.0	0.0020 mg/L	0.0020 ppm
3 Fe 273.955	367.1	546.8	0.0257 mg/L	0.0257 ppm
3 K 766.491	7721.8	1634.6	0.1024 mg/L	0.1024 ppm
3 Mg 279.079	-923.3	91.8	0.0094 mg/L	0.0094 ppm
3 Mn 257.610	-3220.9	162.3	0.0004 mg/L	0.0004 ppm
3 Mo 202.030	-119.6	-5.2	-0.0004 mg/L	-0.0004 ppm
3 Na 330.237	1479.0	244.9	1.196 mg/L	1.196 ppm
3 Ni 231.604	-49.0	4.1	0.0001 mg/L	0.0001 ppm
3 Pb 220.353	336.8	2.2	0.0002 mg/L	0.0002 ppm
3 Sb 206.833	24.6	-6.1	-0.0025 mg/L	-0.0025 ppm
3 Se 196.026	23.9	19.4	0.0059 mg/L	0.0059 ppm
3 Tl 190.800	-35.9	-2.1	-0.0006 mg/L	-0.0006 ppm
3 V 292.402	246.3	-36.3	-0.0004 mg/L	-0.0004 ppm
3 Zn 213.856	197.5	241.2	0.0045 mg/L	0.0045 ppm

Mean Data

ID: 2866-2 F=1

Sample Qty: 1.0000 mL

Seq. No.: 26

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 13

1.0 mL

A/S Pos: 22

Dilution:

1.0:

1.0

Date: 04/28/03 12:35:12 PM

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

Replicate Data

ID: 2866-3 F=1

Date: 04/28/03 12:38:38 PM

Net

Corrected

Calib

Sample

3701

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

Mean Data

ID: 2866-3 F=1

Seq. No.: 27

Sample No.: 14

A/S Pos: 23

Sample Qty: 1.0000 mL

Prep. Vol.: 1.0 mL

Dilution: 1.0:

1.0:

1.0

Data: Original

Date: 04/28/03

12:38:38 PM

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

Replicate Data

ID: 2866-4 F=1

Date: 04/28/03

12:42:06 PM

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

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

Mean Data

ID: 2866-4 F=1

Sample Qty: 1.0000 mL

Seq. No.: 28

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 15

Dilution: 1.0: 1.0

A/S Pos: 24

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

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

Replicate Data

ID: 2866-5 F=1

Date: 04/28/03 12:45:33 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
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3704

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

Mean Data

ID: 2866-5 F=1

Sample Qty: 1.0000 mL

Seq. No.: 29

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 16

A/S Pos: 25

Dilution: 1.0: 1.0

Date: 04/28/03 12:45:33 PM

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

Replicate Data

ID: 2866-6 F=1

Date: 04/28/03 12:49:01 PM

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

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

Mean Data

ID: 2866-6 F=1

Sample Qty: 1.0000 mL

Seq. No.: 30

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 17

1.0 mL

A/S Pos: 26

Dilution:

1.0:

1.0

Date: 04/28/03

12:49:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	58.2	0.0008	0.00064	mg/L	0.0008	0.00064	ppm	83.48%
Al 308.215	228.9	0.0245	0.00584	mg/L	0.0245	0.00584	ppm	23.86%
As 188.979	-6.0	-0.0022	0.00233	mg/L	-0.0022	0.00233	ppm	108.03%
Ba 233.527	2555.6	0.0231	0.00051	mg/L	0.0231	0.00051	ppm	2.19%
Be 313.107	-6.2	0.0000	0.00006	mg/L	0.0000	0.00006	ppm	>999.9%
Ca 227.547	847.7	10.30	0.114	mg/L	10.30	0.114	ppm	1.11%
Cd 228.802	-1.7	0.0000	0.00007	mg/L	0.0000	0.00007	ppm	181.40%
Co 228.616	-2.7	-0.0001	0.00014	mg/L	-0.0001	0.00014	ppm	185.09%
Cr 267.716	138.4	0.0030	0.00020	mg/L	0.0030	0.00020	ppm	6.54%
Cu 324.754	977.4	0.0086	0.00093	mg/L	0.0086	0.00093	ppm	10.79%
Fe 273.955	14344.5	0.6732	0.01888	mg/L	0.6732	0.01888	ppm	2.80%
K 766.491	53496.3	1.107	0.0073	mg/L	1.107	0.0073	ppm	0.66%
Mg 279.079	26417.3	2.703	0.0856	mg/L	2.703	0.0856	ppm	3.17%
Mn 257.610	7722.6	0.0180	0.00040	mg/L	0.0180	0.00040	ppm	2.20%
Mo 202.030	425.1	0.0309	0.00068	mg/L	0.0309	0.00068	ppm	2.19%
Na 330.237	23915.2	54.34	1.511	mg/L	54.34	1.511	ppm	2.78%
Ni 231.604	63.3	0.0016	0.00016	mg/L	0.0016	0.00016	ppm	10.22%
Pb 220.353	5.3	0.0004	0.00019	mg/L	0.0004	0.00019	ppm	53.15%
Sb 206.833	9.3	0.0037	0.00282	mg/L	0.0037	0.00282	ppm	75.51%
Se 196.026	6.0	0.0018	0.00282	mg/L	0.0018	0.00282	ppm	155.74%
Tl 190.800	-4.0	-0.0013	0.00081	mg/L	-0.0013	0.00081	ppm	64.16%
V 292.402	-122.0	-0.0012	0.00054	mg/L	-0.0012	0.00054	ppm	44.29%
Zn 213.856	1217.7	0.0228	0.00040	mg/L	0.0228	0.00040	ppm	1.75%

Replicate Data

ID: 2866-7 F=1

Date: 04/28/03

12:52:29 PM

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

Mean Data

3708

ID: 2866-7 F=1

Seq. No.: 31

Sample No.: 18

A/S Pos: 27

Sample Qty: 1.0000 mL

Prep. Vol.: 1.0 mL

Dilution:

1.0:

1.0

Data: Original

Date: 04/28/03

12:52:29 PM

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

Replicate Data

ID: CCV 1447B

Date: 04/28/03 12:55:42 PM

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

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

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 32

Sample No.: 5

A/S Pos: 6

Prep. Vol.: 1.0 L

Dilution: 1.0: 1.0

Data: Original

Date: 04/28/03 12:55:42 PM

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

Replicate Data

ID: CCB

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

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

3710

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

Mean Data -----

ID: CCB

Seq. No.: 33

Sample No.: 6

A/S Pos: 1

3711

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

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

Calibration Summary

Method: 23ME

Date: 04/28/03 01:00:10 PM

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

Replicate Data

ID: 2864-8 F=10

Date: 04/28/03 01:01:25 PM

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

1 Cr 267.716	-38.9	24.0	0.0005 mg/L	0.0052 ppm
1 Cu 324.754	558.3	9.8	0.0001 mg/L	0.0009 ppm
1 Fe 273.955	2528.4	2708.1	0.1272 mg/L	1.272 ppm
1 K 766.491	555959.1	549871.8	9.997 mg/L	99.97 ppm
1 Mg 279.079	135650.1	136665.2	13.98 mg/L	139.8 ppm
1 Mn 257.610	7554.8	10938.0	0.0255 mg/L	0.2554 ppm
1 Mo 202.030	-110.1	4.3	0.0003 mg/L	0.0031 ppm
1 Na 330.237	91042.5	89808.4	184.1 mg/L	1841 ppm
1 Ni 231.604	30.9	84.0	0.0021 mg/L	0.0209 ppm
1 Pb 220.353	338.4	3.8	0.0003 mg/L	0.0026 ppm
1 Sb 206.833	38.5	7.8	0.0031 mg/L	0.0311 ppm
1 Se 196.026	6.9	2.4	0.0007 mg/L	0.0074 ppm
1 Tl 190.800	-40.4	-6.6	-0.0021 mg/L	-0.0206 ppm
1 V 292.402	253.8	-28.8	-0.0003 mg/L	-0.0029 ppm
1 Zn 213.856	30.4	74.1	0.0014 mg/L	0.0139 ppm

2 Ag 328.068	-482.7	-62.2	-0.0008 mg/L	-0.0081 ppm
2 Al 308.215	390.0	-52.5	-0.0056 mg/L	-0.0562 ppm
2 As 188.979	-9.9	0.5	0.0002 mg/L	0.0017 ppm
2 Ba 233.527	661.3	1094.2	0.0099 mg/L	0.0989 ppm
2 Be 313.107	-2210.1	90.6	0.0000 mg/L	0.0004 ppm
2 Ca 227.547	479.3	511.6	6.216 mg/L	62.16 ppm
2 Cd 228.802	125.5	-0.4	0.0000 mg/L	-0.0001 ppm
2 Co 228.616	65.3	-6.2	-0.0002 mg/L	-0.0017 ppm
2 Cr 267.716	-50.3	12.6	0.0003 mg/L	0.0027 ppm
2 Cu 324.754	701.2	152.7	0.0013 mg/L	0.0134 ppm
2 Fe 273.955	2439.7	2619.4	0.1230 mg/L	1.230 ppm
2 K 766.491	605968.5	599881.3	10.83 mg/L	108.3 ppm
2 Mg 279.079	132523.0	133538.1	13.66 mg/L	136.6 ppm
2 Mn 257.610	7547.7	10930.9	0.0255 mg/L	0.2552 ppm
2 Mo 202.030	-105.8	8.6	0.0006 mg/L	0.0063 ppm
2 Na 330.237	92590.1	91356.0	186.9 mg/L	1869 ppm
2 Ni 231.604	13.6	66.7	0.0017 mg/L	0.0166 ppm
2 Pb 220.353	320.1	-14.5	-0.0010 mg/L	-0.0100 ppm
2 Sb 206.833	25.6	-5.1	-0.0021 mg/L	-0.0206 ppm
2 Se 196.026	6.8	2.4	0.0007 mg/L	0.0071 ppm
2 Tl 190.800	-40.0	-6.2	-0.0019 mg/L	-0.0193 ppm
2 V 292.402	321.9	39.3	0.0004 mg/L	0.0039 ppm
2 Zn 213.856	38.4	82.1	0.0015 mg/L	0.0154 ppm

3 Ag 328.068	-400.3	20.2	0.0003 mg/L	0.0026 ppm
3 Al 308.215	487.9	45.4	0.0049 mg/L	0.0485 ppm
3 As 188.979	-15.5	-5.2	-0.0019 mg/L	-0.0187 ppm
3 Ba 233.527	651.1	1083.9	0.0098 mg/L	0.0980 ppm
3 Be 313.107	-2326.3	-25.6	0.0000 mg/L	-0.0001 ppm
3 Ca 227.547	454.2	486.5	5.911 mg/L	59.11 ppm
3 Cd 228.802	123.6	-2.3	-0.0001 mg/L	-0.0005 ppm
3 Co 228.616	66.4	-5.1	-0.0001 mg/L	-0.0014 ppm
3 Cr 267.716	-43.2	19.7	0.0004 mg/L	0.0043 ppm
3 Cu 324.754	519.9	-28.6	-0.0003 mg/L	-0.0025 ppm
3 Fe 273.955	2439.1	2618.8	0.1230 mg/L	1.230 ppm
3 K 766.491	611461.1	605373.9	10.92 mg/L	109.2 ppm
3 Mg 279.079	132447.4	133462.5	13.66 mg/L	136.6 ppm
3 Mn 257.610	7493.5	10876.8	0.0254 mg/L	0.2540 ppm
3 Mo 202.030	-91.0	23.4	0.0017 mg/L	0.0170 ppm
3 Na 330.237	93062.4	91828.4	187.7 mg/L	1877 ppm
3 Ni 231.604	38.3	91.4	0.0023 mg/L	0.0227 ppm
3 Pb 220.353	311.3	-23.3	-0.0016 mg/L	-0.0161 ppm
3 Sb 206.833	47.7	16.9	0.0068 mg/L	0.0676 ppm
3 Se 196.026	-1.7	-6.1	-0.0019 mg/L	-0.0186 ppm
3 Tl 190.800	-46.5	-12.7	-0.0040 mg/L	-0.0399 ppm
3 V 292.402	157.4	-125.2	-0.0012 mg/L	-0.0124 ppm
3 Zn 213.856	18.9	62.6	0.0012 mg/L	0.0117 ppm

Mean Data

ID: 2864-8 F=10

Sample Qty: 1.0000 mL

Seq. No.: 34

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 1

Dilution: 1.0: 10.0

A/S Pos: 19

Date: 04/28/03 01:01:25 PM

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

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

Replicate Data -----

ID: 2867-1 F=1

Date: 04/28/03 01:04:52 PM

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

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

Mean Data

ID: 2867-1 F=1

Sample Qty: 1.0000 mL

Seq. No.: 35

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 19

1.0 mL

A/S Pos: 28

Dilution: 1.0: 1.0

Date: 04/28/03 01:04:52 PM

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

Replicate Data

ID: 2867-2 F=1

Date: 04/28/03 01:08:22 PM

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

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

Mean Data

ID: 2867-2 F=1

Sample Qty: 1.0000 mL

Seq. No.: 36

Prep. Vol.:

Data: Original

Sample No.: 20

1.0 mL

A/S Pos: 29

Dilution:

1.0:

1.0

Date: 04/28/03

01:08:22 PM

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

3216

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

Replicate Data

ID: 2867-3 F=1

Date: 04/28/03

01:11:54 PM

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

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

Mean Data

ID: 2867-3 F=1

Sample Qty: 1.0000 mL

Seq. No.: 37

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 21

Dilution: 1.0

A/S Pos: 30

Date: 04/28/03 01:11:54 PM

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

Replicate Data

ID: 2867-4 F=1

Date: 04/28/03 01:15:30 PM

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

1 Fe 273.955	556.7	736.3	0.0303 mg/L	0.0303 ppm
1 K 766.491	1882231.1	1876143.9	29.50 mg/L	29.50 ppm
1 Mg 279.079	214484.4	215499.5	22.05 mg/L	22.05 ppm
1 Mn 257.610	-2681.8	701.4	0.0016 mg/L	0.0016 ppm
1 Mo 202.030	1552.3	1666.7	0.1213 mg/L	0.1213 ppm
1 Na 330.237	173519.5	172285.5	321.7 mg/L	321.7 ppm
1 Ni 231.604	37.8	90.9	0.0023 mg/L	0.0023 ppm
1 Pb 220.353	354.7	20.2	0.0002 mg/L	0.0002 ppm
1 Sb 206.833	40.7	9.9	0.0040 mg/L	0.0040 ppm
1 Se 196.026	14.7	10.2	0.0031 mg/L	0.0031 ppm
1 Tl 190.800	-48.8	-15.0	-0.0047 mg/L	-0.0047 ppm
1 V 292.402	1465.6	1183.0	0.0117 mg/L	0.0117 ppm
1 Zn 213.856	147.1	190.8	0.0036 mg/L	0.0036 ppm

2 Ag 328.068	-138.8	281.7	0.0037 mg/L	0.0037 ppm
2 Al 308.215	644.1	201.5	0.0216 mg/L	0.0216 ppm
2 As 188.979	18.4	28.7	0.0103 mg/L	0.0103 ppm
2 Ba 233.527	4078.9	4511.8	0.0408 mg/L	0.0408 ppm
2 Be 313.107	-2167.3	133.4	0.0001 mg/L	0.0001 ppm
2 Ca 227.547	11898.2	11930.6	145.0 mg/L	145.0 ppm
2 Cd 228.802	130.0	4.1	0.0001 mg/L	0.0001 ppm
2 Co 228.616	111.1	39.6	0.0011 mg/L	0.0011 ppm
2 Cr 267.716	14.2	77.1	0.0017 mg/L	0.0017 ppm
2 Cu 324.754	939.0	390.5	0.0034 mg/L	0.0034 ppm
2 Fe 273.955	542.4	722.1	0.0297 mg/L	0.0297 ppm
2 K 766.491	2006232.3	2000145.0	31.11 mg/L	31.11 ppm
2 Mg 279.079	209564.1	210579.2	21.55 mg/L	21.55 ppm
2 Mn 257.610	-2718.2	665.0	0.0016 mg/L	0.0016 ppm
2 Mo 202.030	1522.9	1637.3	0.1192 mg/L	0.1192 ppm
2 Na 330.237	172732.2	171498.2	320.5 mg/L	320.5 ppm
2 Ni 231.604	40.8	93.8	0.0023 mg/L	0.0023 ppm
2 Pb 220.353	333.7	-0.9	-0.0012 mg/L	-0.0012 ppm
2 Sb 206.833	35.1	4.3	0.0017 mg/L	0.0017 ppm
2 Se 196.026	4.8	0.3	0.0001 mg/L	0.0001 ppm
2 Tl 190.800	-36.2	-2.4	-0.0008 mg/L	-0.0008 ppm
2 V 292.402	1446.2	1163.6	0.0115 mg/L	0.0115 ppm
2 Zn 213.856	107.6	151.3	0.0028 mg/L	0.0028 ppm

3 Ag 328.068	-150.1	270.4	0.0035 mg/L	0.0035 ppm
3 Al 308.215	747.3	304.8	0.0326 mg/L	0.0326 ppm
3 As 188.979	26.9	37.2	0.0134 mg/L	0.0134 ppm
3 Ba 233.527	4049.6	4482.4	0.0405 mg/L	0.0405 ppm
3 Be 313.107	-2397.4	-96.7	0.0000 mg/L	0.0000 ppm
3 Ca 227.547	11968.3	12000.7	145.8 mg/L	145.8 ppm
3 Cd 228.802	142.3	16.4	0.0004 mg/L	0.0004 ppm
3 Co 228.616	81.5	10.0	0.0003 mg/L	0.0003 ppm
3 Cr 267.716	32.5	95.5	0.0021 mg/L	0.0021 ppm
3 Cu 324.754	1189.4	640.9	0.0056 mg/L	0.0056 ppm
3 Fe 273.955	544.8	724.4	0.0298 mg/L	0.0298 ppm
3 K 766.491	1915396.0	1909308.8	29.94 mg/L	29.94 ppm
3 Mg 279.079	211507.6	212522.7	21.74 mg/L	21.74 ppm
3 Mn 257.610	-2727.6	655.6	0.0015 mg/L	0.0015 ppm
3 Mo 202.030	1539.1	1653.5	0.1203 mg/L	0.1203 ppm
3 Na 330.237	172880.7	171646.7	320.7 mg/L	320.7 ppm
3 Ni 231.604	44.9	98.0	0.0024 mg/L	0.0024 ppm
3 Pb 220.353	327.5	-7.0	-0.0017 mg/L	-0.0017 ppm
3 Sb 206.833	41.8	11.0	0.0044 mg/L	0.0044 ppm
3 Se 196.026	0.2	-4.2	-0.0013 mg/L	-0.0013 ppm
3 Tl 190.800	-48.8	-15.0	-0.0047 mg/L	-0.0047 ppm
3 V 292.402	1537.9	1255.4	0.0124 mg/L	0.0124 ppm
3 Zn 213.856	131.9	175.6	0.0033 mg/L	0.0033 ppm

Mean Data

ID: 2867-4 F=1

Sample Qty: 1.0000 mL

Seq. No.: 38

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 22

1.0 mL

A/S Pos: 31

Dilution:

1.0:

1.0

Date: 04/28/03

01:15:30 PM

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

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

Replicate Data

ID: 2867-5 F=1

Date: 04/28/03 01:19:03 PM

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

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

Mean Data

ID: 2867-5 F=1

Sample Qty: 1.0000 mL

Seq. No.: 39

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 23

A/S Pos: 32

Dilution:

1.0:

1.0

Date: 04/28/03

01:19:03 PM

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

Replicate Data

ID: CCV 1447B

Date: 04/28/03

01:22:20 PM

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

1 K 766.491	837181.7	831094.4	14.56 mg/L
1 Mg 279.079	225591.8	226606.9	23.19 mg/L
1 Mn 257.610	794064.1	797447.3	1.862 mg/L
1 Mo 202.030	25165.0	25279.4	1.840 mg/L
1 Na 330.237	45489.5	44255.4	96.88 mg/L
1 Ni 231.604	76645.9	76699.0	1.907 mg/L
1 Pb 220.353	7342.6	7008.1	0.4856 mg/L
1 Sb 206.833	4795.4	4764.7	1.909 mg/L
1 Se 196.026	1586.8	1582.3	0.4804 mg/L
1 Tl 190.800	1520.6	1554.5	0.4915 mg/L
1 V 292.402	187884.0	187601.4	1.859 mg/L
1 Zn 213.856	103826.7	103870.4	1.948 mg/L

2 Ag 328.068	69993.9	70414.4	0.9209 mg/L
2 Al 308.215	44378.2	43935.7	4.700 mg/L
2 As 188.979	1363.0	1373.3	0.4959 mg/L
2 Ba 233.527	504870.3	505303.1	4.570 mg/L
2 Be 313.107	1153219.9	1155520.7	0.4666 mg/L
2 Ca 227.547	3954.7	3987.0	48.44 mg/L
2 Cd 228.802	40265.0	40139.1	0.9682 mg/L
2 Co 228.616	68573.3	68501.8	1.883 mg/L
2 Cr 267.716	21533.1	21596.0	0.4706 mg/L
2 Cu 324.754	212511.9	211963.4	1.863 mg/L
2 Fe 273.955	99047.0	99226.7	4.649 mg/L
2 K 766.491	849053.2	842965.9	14.75 mg/L
2 Mg 279.079	225678.4	226693.5	23.19 mg/L
2 Mn 257.610	791335.6	794718.9	1.856 mg/L
2 Mo 202.030	25855.0	25969.4	1.890 mg/L
2 Na 330.237	45424.7	44190.7	96.75 mg/L
2 Ni 231.604	76633.8	76686.8	1.907 mg/L
2 Pb 220.353	7443.3	7108.8	0.4926 mg/L
2 Sb 206.833	5001.1	4970.3	1.991 mg/L
2 Se 196.026	1677.9	1673.4	0.5080 mg/L
2 Tl 190.800	1523.4	1557.2	0.4924 mg/L
2 V 292.402	188507.9	188225.3	1.865 mg/L
2 Zn 213.856	104127.6	104171.3	1.954 mg/L

3 Ag 328.068	68077.5	68498.0	0.8959 mg/L
3 Al 308.215	43437.9	42995.4	4.599 mg/L
3 As 188.979	1328.1	1338.4	0.4833 mg/L
3 Ba 233.527	494256.6	494689.5	4.474 mg/L
3 Be 313.107	1126308.3	1128609.0	0.4557 mg/L
3 Ca 227.547	3846.2	3878.5	47.12 mg/L
3 Cd 228.802	38965.2	38839.3	0.9369 mg/L
3 Co 228.616	66846.0	66774.5	1.836 mg/L
3 Cr 267.716	20868.5	20931.4	0.4562 mg/L
3 Cu 324.754	207444.6	206896.1	1.819 mg/L
3 Fe 273.955	96899.0	97078.6	4.549 mg/L
3 K 766.491	833523.3	827436.0	14.50 mg/L
3 Mg 279.079	220467.4	221482.5	22.66 mg/L
3 Mn 257.610	774348.9	777732.1	1.816 mg/L
3 Mo 202.030	25107.9	25222.3	1.836 mg/L
3 Na 330.237	44422.5	43188.5	94.71 mg/L
3 Ni 231.604	74890.4	74943.5	1.863 mg/L
3 Pb 220.353	7291.5	6957.0	0.4820 mg/L
3 Sb 206.833	4869.6	4838.9	1.938 mg/L
3 Se 196.026	1629.4	1625.0	0.4933 mg/L
3 Tl 190.800	1452.4	1486.2	0.4700 mg/L
3 V 292.402	184193.1	183910.5	1.822 mg/L
3 Zn 213.856	101650.0	101693.7	1.907 mg/L

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 40

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 5

Dilution: 1.0

A/S Pos: 6

Date: 04/28/03

01:22:20 PM

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

3722

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

Replicate Data

ID: CCB

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

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

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

Mean Data

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

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

Replicate Data

ID: M-BL 03M1386S

Date: 04/28/03 01:28:34 PM

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

1 Mg 279.079	-997.7	17.4	0.0018 mg/L	0.0890 ppm
1 Mn 257.610	-3344.1	39.1	0.0001 mg/L	0.0046 ppm
1 Mo 202.030	-110.3	4.1	0.0003 mg/L	0.0148 ppm
1 Na 330.237	1103.5	-130.5	0.3167 mg/L	15.83 ppm
1 Ni 231.604	-73.4	-20.3	-0.0005 mg/L	-0.0252 ppm
1 Pb 220.353	345.8	11.3	0.0008 mg/L	0.0390 ppm
1 Sb 206.833	36.8	6.1	0.0024 mg/L	0.1212 ppm
1 Se 196.026	-8.5	-12.9	-0.0039 mg/L	-0.1961 ppm
1 Tl 190.800	-27.5	6.3	0.0020 mg/L	0.0987 ppm
1 V 292.402	269.1	-13.5	-0.0001 mg/L	-0.0067 ppm
1 Zn 213.856	-35.9	7.8	0.0001 mg/L	0.0073 ppm

2 Ag 328.068	-366.0	54.5	0.0007 mg/L	0.0356 ppm
2 Al 308.215	556.3	113.7	0.0122 mg/L	0.6084 ppm
2 As 188.979	-17.8	-7.5	-0.0027 mg/L	-0.1345 ppm
2 Ba 233.527	-421.4	11.5	0.0001 mg/L	0.0052 ppm
2 Be 313.107	-2131.7	169.0	0.0001 mg/L	0.0034 ppm
2 Ca 227.547	-57.4	-25.1	-0.3051 mg/L	-15.26 ppm
2 Cd 228.802	125.7	-0.2	0.0000 mg/L	-0.0002 ppm
2 Co 228.616	80.4	8.9	0.0002 mg/L	0.0122 ppm
2 Cr 267.716	-61.9	1.0	0.0000 mg/L	0.0011 ppm
2 Cu 324.754	450.8	-97.7	-0.0009 mg/L	-0.0429 ppm
2 Fe 273.955	-185.2	-5.5	-0.0003 mg/L	-0.0129 ppm
2 K 766.491	5891.7	-195.5	0.0666 mg/L	3.330 ppm
2 Mg 279.079	-992.6	22.5	0.0023 mg/L	0.1154 ppm
2 Mn 257.610	-3338.6	44.6	0.0001 mg/L	0.0052 ppm
2 Mo 202.030	-106.2	8.2	0.0006 mg/L	0.0300 ppm
2 Na 330.237	1161.4	-72.7	0.4522 mg/L	22.61 ppm
2 Ni 231.604	-42.2	10.8	0.0003 mg/L	0.0135 ppm
2 Pb 220.353	311.0	-23.5	-0.0016 mg/L	-0.0815 ppm
2 Sb 206.833	19.3	-11.5	-0.0046 mg/L	-0.2297 ppm
2 Se 196.026	6.6	2.2	0.0007 mg/L	0.0332 ppm
2 Tl 190.800	-29.4	4.4	0.0014 mg/L	0.0695 ppm
2 V 292.402	250.7	-31.9	-0.0003 mg/L	-0.0158 ppm
2 Zn 213.856	-39.4	4.3	0.0001 mg/L	0.0040 ppm

3 Ag 328.068	-353.5	67.0	0.0009 mg/L	0.0438 ppm
3 Al 308.215	406.4	-36.1	-0.0039 mg/L	-0.1931 ppm
3 As 188.979	-12.9	-2.6	-0.0009 mg/L	-0.0465 ppm
3 Ba 233.527	-421.0	11.8	0.0001 mg/L	0.0053 ppm
3 Be 313.107	-2412.5	-111.8	0.0000 mg/L	-0.0023 ppm
3 Ca 227.547	-37.6	-5.3	-0.0644 mg/L	-3.222 ppm
3 Cd 228.802	100.5	-25.4	-0.0006 mg/L	-0.0306 ppm
3 Co 228.616	70.7	-0.8	0.0000 mg/L	-0.0011 ppm
3 Cr 267.716	-49.3	13.6	0.0003 mg/L	0.0148 ppm
3 Cu 324.754	447.2	-101.3	-0.0009 mg/L	-0.0445 ppm
3 Fe 273.955	-164.5	15.2	0.0007 mg/L	0.0356 ppm
3 K 766.491	6229.5	142.2	0.0732 mg/L	3.660 ppm
3 Mg 279.079	-1176.3	-161.2	-0.0165 mg/L	-0.8248 ppm
3 Mn 257.610	-3327.2	56.0	0.0001 mg/L	0.0065 ppm
3 Mo 202.030	-104.3	10.1	0.0007 mg/L	0.0366 ppm
3 Na 330.237	1249.1	15.1	0.6579 mg/L	32.89 ppm
3 Ni 231.604	-42.5	10.6	0.0003 mg/L	0.0131 ppm
3 Pb 220.353	331.4	-3.2	-0.0002 mg/L	-0.0109 ppm
3 Sb 206.833	28.7	-2.0	-0.0008 mg/L	-0.0409 ppm
3 Se 196.026	-4.7	-9.1	-0.0028 mg/L	-0.1388 ppm
3 Tl 190.800	-32.5	1.3	0.0004 mg/L	0.0205 ppm
3 V 292.402	303.2	20.6	0.0002 mg/L	0.0102 ppm
3 Zn 213.856	-56.1	-12.4	-0.0002 mg/L	-0.0116 ppm

Mean Data

ID: M-BL 03M1386S

Sample Qty: 1.0000 mL

Seq. No.: 42

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 24

1.0 mL

A/S Pos: 33

Dilution: 1.0: 50.0

Date: 04/28/03 01:28:34 PM

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

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

Replicate Data
ID: LCS-03M1386

Date: 04/28/03 01:31:41 PM

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

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

Mean Data

ID: LCS-03M1386

Sample Qty: 1.0000 mL

Seq. No.: 43

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 25

Dilution: 1.0:

A/S Pos: 34

Date: 04/28/03

01:31:41 PM

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

Matrix Check Sample: LCS-03M1386

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

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

Replicate Data
ID: LCSD-03M1386

Date: 04/28/03 01:34:12 PM

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

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

Mean Data

ID: LCSD-03M1386

Sample Qty: 1.0000 mL

Seq. No.: 44

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 26

A/S Pos: 35

Dilution:

1.0:

50.0

Date: 04/28/03 01:34:12 PM

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

Matrix Check Sample: LCSD-03M1386

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

Zn 213.856 0.5000 0.4781 0.011 mg/L 95.627

Replicate Data
ID: 2864-9 S F=200

Date: 04/28/03 01:36:43 PM

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

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

Mean Data

ID: 2864-9 S F=200

Sample Qty: 1.0000 mL

Seq. No.: 45

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 27

A/S Pos: 36

Dilution: 1.0: 200.0

Date: 04/28/03 01:36:43 PM

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

Replicate Data

ID: 2864-9 D F=200

Date: 04/28/03 01:39:15 PM

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

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

Mean Data

ID: 2864-9 D F=200

Sample Qty: 1.0000 mL

Seq. No.: 46

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 28

1.0 mL

A/S Pos: 37

Dilution:

1.0: 200.0

Date: 04/28/03 01:39:15 PM

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

Matrix Check Sample: 2864-9 D F=200

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

Replicate Data

ID: 2864-9 1/5 F=1000

Date: 04/28/03 01:42:04 PM

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

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

Mean Data

ID: 2864-9 1/5 F=1000

Sample Qty: 1.0000 mL

Seq. No.: 47

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 29

1.0 mL

A/S Pos: 38

Dilution:

1.0: 1000.0

Date: 04/28/03 01:42:04 PM

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

Replicate Data

ID: 2864-9 MS F=200

Date: 04/28/03 01:45:17 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units	RSD
1 Ag 328.068	16380.7	16801.2	0.2197 mg/L	43.95 ppm	3734

1 Al	308.215	439210.2	438767.7	46.93 mg/L	9387 ppm
1 As	188.979	295.6	306.0	0.1172 mg/L	23.44 ppm
1 Ba	233.527	135601.9	136034.7	1.230 mg/L	246.0 ppm
1 Be	313.107	102110.1	104410.9	0.0422 mg/L	8.432 ppm
1 Ca	227.547	823.7	856.1	10.40 mg/L	2080 ppm
1 Cd	228.802	2525.3	2399.4	0.0579 mg/L	11.58 ppm
1 Co	228.616	9641.8	9570.3	0.2631 mg/L	52.63 ppm
1 Cr	267.716	15136.4	15199.3	0.3312 mg/L	66.25 ppm
1 Cu	324.754	28839.3	28290.8	0.2541 mg/L	50.82 ppm
1 Fe	273.955	1658544.7	1658724.3	77.88 mg/L	15580 ppm
1 K	766.491	823625.6	817538.3	14.35 mg/L	2870 ppm
1 Mg	279.079	164968.1	165983.3	16.98 mg/L	3397 ppm
1 Mn	257.610	447586.4	450969.6	1.053 mg/L	210.6 ppm
1 Mo	202.030	6162.7	6277.1	0.4569 mg/L	91.37 ppm
1 Na	330.237	5797.2	4563.2	11.22 mg/L	2245 ppm
1 Ni	231.604	10046.3	10099.3	0.2511 mg/L	50.22 ppm
1 Pb	220.353	11062.9	10728.4	0.7445 mg/L	148.9 ppm
1 Sb	206.833	257.0	226.2	0.0856 mg/L	17.12 ppm
1 Se	196.026	346.0	341.5	0.1177 mg/L	23.54 ppm
1 Tl	190.800	310.0	343.8	0.1092 mg/L	21.83 ppm
1 V	292.402	71799.9	71517.3	0.7148 mg/L	143.0 ppm
1 Zn	213.856	12591.6	12635.3	0.2370 mg/L	47.39 ppm

2 Ag	328.068	16531.7	16952.2	0.2217 mg/L	44.34 ppm
2 Al	308.215	436693.0	436250.4	46.67 mg/L	9333 ppm
2 As	188.979	310.4	320.7	0.1224 mg/L	24.49 ppm
2 Ba	233.527	133056.8	133489.7	1.207 mg/L	241.4 ppm
2 Be	313.107	101496.5	103797.2	0.0419 mg/L	8.382 ppm
2 Ca	227.547	802.0	834.4	10.14 mg/L	2027 ppm
2 Cd	228.802	2505.6	2379.7	0.0574 mg/L	11.48 ppm
2 Co	228.616	9340.1	9268.6	0.2548 mg/L	50.97 ppm
2 Cr	267.716	14718.2	14781.1	0.3221 mg/L	64.42 ppm
2 Cu	324.754	28838.7	28290.2	0.2540 mg/L	50.80 ppm
2 Fe	273.955	1642298.0	1642477.6	77.11 mg/L	15420 ppm
2 K	766.491	851058.3	844971.1	14.78 mg/L	2956 ppm
2 Mg	279.079	163232.0	164247.1	16.81 mg/L	3361 ppm
2 Mn	257.610	441577.7	444961.0	1.039 mg/L	207.8 ppm
2 Mo	202.030	6047.3	6161.8	0.4485 mg/L	89.69 ppm
2 Na	330.237	5997.3	4763.3	11.68 mg/L	2337 ppm
2 Ni	231.604	9723.5	9776.6	0.2431 mg/L	48.61 ppm
2 Pb	220.353	10757.9	10423.3	0.7234 mg/L	144.7 ppm
2 Sb	206.833	260.8	230.0	0.0872 mg/L	17.44 ppm
2 Se	196.026	367.8	363.3	0.1242 mg/L	24.84 ppm
2 Tl	190.800	332.0	365.8	0.1161 mg/L	23.22 ppm
2 V	292.402	72342.1	72059.5	0.7201 mg/L	144.0 ppm
2 Zn	213.856	12091.9	12135.6	0.2276 mg/L	45.52 ppm

3 Ag	328.068	16022.2	16442.7	0.2150 mg/L	43.01 ppm
3 Al	308.215	428516.6	428074.1	45.79 mg/L	9158 ppm
3 As	188.979	255.7	266.0	0.1026 mg/L	20.53 ppm
3 Ba	233.527	130995.8	131428.7	1.189 mg/L	237.7 ppm
3 Be	313.107	99069.4	101370.1	0.0409 mg/L	8.186 ppm
3 Ca	227.547	761.0	793.3	9.638 mg/L	1928 ppm
3 Cd	228.802	2441.1	2315.2	0.0558 mg/L	11.17 ppm
3 Co	228.616	8979.9	8908.4	0.2449 mg/L	48.99 ppm
3 Cr	267.716	14312.8	14375.7	0.3133 mg/L	62.66 ppm
3 Cu	324.754	28175.9	27627.4	0.2481 mg/L	49.62 ppm
3 Fe	273.955	1609578.7	1609758.3	75.58 mg/L	15120 ppm
3 K	766.491	817637.5	811550.3	14.25 mg/L	2851 ppm
3 Mg	279.079	159567.2	160582.4	16.43 mg/L	3286 ppm
3 Mn	257.610	432672.2	436055.4	1.018 mg/L	203.6 ppm
3 Mo	202.030	5863.8	5978.2	0.4351 mg/L	87.02 ppm
3 Na	330.237	5697.0	4462.9	10.99 mg/L	2198 ppm
3 Ni	231.604	9349.8	9402.9	0.2338 mg/L	46.75 ppm
3 Pb	220.353	10513.1	10178.5	0.7064 mg/L	141.3 ppm
3 Sb	206.833	304.6	273.8	0.1048 mg/L	20.96 ppm
3 Se	196.026	306.1	301.6	0.1052 mg/L	21.04 ppm
3 Tl	190.800	270.3	304.1	0.0967 mg/L	19.34 ppm
3 V	292.402	70560.4	70277.8	0.7023 mg/L	140.5 ppm
3 Zn	213.856	11843.2	11886.9	0.2229 mg/L	44.58 ppm

Mean Data

ID: 2864-9 MS F=200

Seq. No.: 48

Sample No.: 30

A/S Pos: 39

3735

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

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

Matrix Check Sample: 2864-9 MS F=200

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

Replicate Data -----
 ID: 2864-9 MSD F=200

Date: 04/28/03 01:47:51 PM

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

1 Cu 324.754	28977.0	28428.5	0.2553 mg/L	51.05 ppm
1 Fe 273.955	1651244.6	1651424.3	77.53 mg/L	15510 ppm
1 K 766.491	837359.5	831272.3	14.57 mg/L	2913 ppm
1 Mg 279.079	164205.4	165220.5	16.90 mg/L	3381 ppm
1 Mn 257.610	445365.5	448748.7	1.048 mg/L	209.6 ppm
1 Mo 202.030	6070.1	6184.5	0.4501 mg/L	90.02 ppm
1 Na 330.237	5790.4	4556.4	11.21 mg/L	2241 ppm
1 Ni 231.604	9798.4	9851.4	0.2449 mg/L	48.98 ppm
1 Pb 220.353	10797.5	10462.9	0.7261 mg/L	145.2 ppm
1 Sb 206.833	296.4	265.6	0.1014 mg/L	20.28 ppm
1 Se 196.026	328.7	324.2	0.1124 mg/L	22.48 ppm
1 Tl 190.800	315.9	349.7	0.1110 mg/L	22.21 ppm
1 V 292.402	72231.2	71948.6	0.7191 mg/L	143.8 ppm
1 Zn 213.856	12453.1	12496.8	0.2344 mg/L	46.87 ppm

2 Ag 328.068	16240.7	16661.2	0.2179 mg/L	43.58 ppm
2 Al 308.215	432936.4	432493.8	46.26 mg/L	9253 ppm
2 As 188.979	280.8	291.1	0.1117 mg/L	22.35 ppm
2 Ba 233.527	131322.2	131755.0	1.192 mg/L	238.3 ppm
2 Be 313.107	100767.7	103068.4	0.0416 mg/L	8.323 ppm
2 Ca 227.547	758.3	790.7	9.606 mg/L	1921 ppm
2 Cd 228.802	2523.1	2397.2	0.0578 mg/L	11.56 ppm
2 Co 228.616	9300.1	9228.7	0.2537 mg/L	50.75 ppm
2 Cr 267.716	14753.0	14815.9	0.3229 mg/L	64.58 ppm
2 Cu 324.754	28669.8	28121.3	0.2525 mg/L	50.49 ppm
2 Fe 273.955	1624004.0	1624183.6	76.25 mg/L	15250 ppm
2 K 766.491	857940.5	851853.2	14.89 mg/L	2978 ppm
2 Mg 279.079	160520.3	161535.4	16.53 mg/L	3306 ppm
2 Mn 257.610	437600.1	440983.3	1.030 mg/L	205.9 ppm
2 Mo 202.030	6084.9	6199.3	0.4512 mg/L	90.24 ppm
2 Na 330.237	5722.3	4488.3	11.05 mg/L	2210 ppm
2 Ni 231.604	9656.5	9709.6	0.2414 mg/L	48.28 ppm
2 Pb 220.353	10767.3	10432.8	0.7240 mg/L	144.8 ppm
2 Sb 206.833	311.7	281.0	0.1076 mg/L	21.53 ppm
2 Se 196.026	368.1	363.6	0.1241 mg/L	24.83 ppm
2 Tl 190.800	352.4	386.3	0.1225 mg/L	24.50 ppm
2 V 292.402	71419.1	71136.5	0.7109 mg/L	142.2 ppm
2 Zn 213.856	12122.9	12166.6	0.2282 mg/L	45.63 ppm

3 Ag 328.068	16310.7	16731.2	0.2188 mg/L	43.76 ppm
3 Al 308.215	433535.1	433092.6	46.33 mg/L	9265 ppm
3 As 188.979	331.2	341.5	0.1298 mg/L	25.97 ppm
3 Ba 233.527	131457.3	131890.2	1.193 mg/L	238.5 ppm
3 Be 313.107	100318.4	102619.2	0.0414 mg/L	8.287 ppm
3 Ca 227.547	773.2	805.6	9.787 mg/L	1957 ppm
3 Cd 228.802	2508.2	2382.3	0.0575 mg/L	11.49 ppm
3 Co 228.616	9286.3	9214.8	0.2534 mg/L	50.67 ppm
3 Cr 267.716	14560.0	14622.9	0.3187 mg/L	63.73 ppm
3 Cu 324.754	28768.4	28219.9	0.2533 mg/L	50.67 ppm
3 Fe 273.955	1620289.1	1620468.8	76.08 mg/L	15220 ppm
3 K 766.491	858053.9	851966.6	14.89 mg/L	2978 ppm
3 Mg 279.079	159570.0	160585.1	16.43 mg/L	3286 ppm
3 Mn 257.610	436228.5	439611.7	1.026 mg/L	205.3 ppm
3 Mo 202.030	6012.0	6126.4	0.4459 mg/L	89.18 ppm
3 Na 330.237	5586.6	4352.5	10.74 mg/L	2147 ppm
3 Ni 231.604	9720.2	9773.3	0.2430 mg/L	48.60 ppm
3 Pb 220.353	10742.3	10407.8	0.7223 mg/L	144.5 ppm
3 Sb 206.833	259.6	228.8	0.0868 mg/L	17.35 ppm
3 Se 196.026	333.7	329.2	0.1136 mg/L	22.73 ppm
3 Tl 190.800	339.7	373.5	0.1185 mg/L	23.70 ppm
3 V 292.402	71493.9	71211.3	0.7116 mg/L	142.3 ppm
3 Zn 213.856	12290.1	12333.8	0.2313 mg/L	46.26 ppm

Mean Data

ID: 2864-9 MSD F=200

Sample Qty: 1.0000 mL

Seq. No.: 49

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 31

A/S Pos: 40

Dilution: 1.0: 200.0

Date: 04/28/03 01:47:51 PM

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

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

Matrix Check Sample: 2864-9 MSD F=200

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

Replicate Data -----
ID: 2864-9 PS F=200

Date: 04/28/03 01:50:26 PM

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

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

Mean Data

ID: 2864-9 PS F=200

Sample Qty: 1.0000 mL

Seq. No.: 50

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 32

1.0 mL

A/S Pos: 41

Dilution: 1.0: 200.0

Date: 04/28/03 01:50:26 PM

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

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

Matrix Check Sample: 2864-9 PS F=200

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

Replicate Data -----

ID: CCV 1447B

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

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

2 Al 308.215	46082.1	45639.5	4.882 mg/L
2 As 188.979	1390.9	1401.2	0.5060 mg/L
2 Ba 233.527	532666.9	533099.8	4.821 mg/L
2 Be 313.107	1204462.4	1206763.2	0.4873 mg/L
2 Ca 227.547	4010.6	4042.9	49.12 mg/L
2 Cd 228.802	40113.4	39987.5	0.9646 mg/L
2 Co 228.616	71392.2	71320.7	1.961 mg/L
2 Cr 267.716	21732.1	21795.0	0.4750 mg/L
2 Cu 324.754	219988.0	219439.5	1.929 mg/L
2 Fe 273.955	103517.1	103696.8	4.859 mg/L
2 K 766.491	856797.6	850710.4	14.87 mg/L
2 Mg 279.079	235227.6	236242.7	24.17 mg/L
2 Mn 257.610	828323.5	831706.7	1.942 mg/L
2 Mo 202.030	25960.3	26074.7	1.898 mg/L
2 Na 330.237	47163.1	45929.1	100.3 mg/L
2 Ni 231.604	79251.2	79304.3	1.972 mg/L
2 Pb 220.353	7415.1	7080.6	0.4906 mg/L
2 Sb 206.833	4938.9	4908.1	1.966 mg/L
2 Se 196.026	1634.5	1630.1	0.4949 mg/L
2 Tl 190.800	1517.1	1551.0	0.4905 mg/L
2 V 292.402	196459.8	196177.2	1.944 mg/L
2 Zn 213.856	106302.9	106346.6	1.994 mg/L

3 Ag 328.068	72139.1	72559.6	0.9490 mg/L
3 Al 308.215	45718.5	45276.0	4.843 mg/L
3 As 188.979	1333.7	1344.0	0.4854 mg/L
3 Ba 233.527	526338.2	526771.1	4.764 mg/L
3 Be 313.107	1193449.1	1195749.9	0.4828 mg/L
3 Ca 227.547	3961.1	3993.4	48.52 mg/L
3 Cd 228.802	39069.7	38943.8	0.9394 mg/L
3 Co 228.616	70882.5	70811.0	1.947 mg/L
3 Cr 267.716	21118.0	21180.9	0.4616 mg/L
3 Cu 324.754	217935.0	217386.5	1.911 mg/L
3 Fe 273.955	102657.0	102836.7	4.818 mg/L
3 K 766.491	857175.2	851087.9	14.88 mg/L
3 Mg 279.079	233189.3	234204.4	23.96 mg/L
3 Mn 257.610	820188.7	823571.9	1.923 mg/L
3 Mo 202.030	25593.6	25708.0	1.871 mg/L
3 Na 330.237	46927.2	45693.2	99.79 mg/L
3 Ni 231.604	78656.7	78709.7	1.957 mg/L
3 Pb 220.353	7254.5	6919.9	0.4795 mg/L
3 Sb 206.833	4807.5	4776.8	1.913 mg/L
3 Se 196.026	1634.3	1629.9	0.4948 mg/L
3 Tl 190.800	1477.1	1510.9	0.4779 mg/L
3 V 292.402	194403.7	194121.1	1.923 mg/L
3 Zn 213.856	105673.4	105717.1	1.983 mg/L

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 51

Sample No.: 5

A/S Pos: 6

Prep. Vol.: 1.0 L

Dilution: 1.0: 1.0

Data: Original

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

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

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

Replicate Data

ID: CCB

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

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

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

Mean Data

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

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

Replicate Data

ID: 2864-10 F=200

Date: 04/28/03 01:59:03 PM

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

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

Mean Data

ID: 2864-10 F=200

Sample Qty: 1.0000 mL

Seq. No.: 53

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 33

1.0 mL

A/S Pos: 42

Dilution: 1.0: 200.0

Date: 04/28/03 01:59:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Units	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	-89.9	-0.0012	0.00231	mg/L	-0.2351	0.46197	ppm	196.49%
Al 308.215	654034.0	69.96	1.726	mg/L	13990	345.2	ppm	2.47%
As 188.979	-35.3	-0.0022	0.00826	mg/L	-0.4318	1.65204	ppm	382.58%
Ba 233.527	38584.8	0.3489	0.00869	mg/L	69.79	1.739	ppm	2.49%
Be 313.107	-7941.1	-0.0032	0.00010	mg/L	-0.6413	0.02079	ppm	3.24%
Ca 227.547	583.3	7.087	0.8513	mg/L	1417	170.3	ppm	12.01%
Cd 228.802	-42.3	-0.0010	0.00100	mg/L	-0.2038	0.20068	ppm	98.45%
Co 228.616	2779.1	0.0764	0.00224	mg/L	15.28	0.448	ppm	2.93%
Cr 267.716	5538.6	0.1207	0.00336	mg/L	24.14	0.673	ppm	2.79%
Cu 324.754	5974.1	0.0604	0.00326	mg/L	12.07	0.652	ppm	5.40%
Fe 273.955	2421636.1	113.7	2.71	mg/L	22740	541.1	ppm	2.38%
K 766.491	1352257.6	22.35	0.899	mg/L	4470	179.7	ppm	4.02%
Mg 279.079	238474.2	24.40	0.635	mg/L	4880	127.0	ppm	2.60%
Mn 257.610	1155172.4	2.697	0.0690	mg/L	539.5	13.80	ppm	2.56%
Mo 202.030	8.3	-0.0014	0.00141	mg/L	-0.2869	0.28100	ppm	97.94%
Na 330.237	1303.7	3.669	0.4686	mg/L	733.9	93.71	ppm	12.77%
Ni 231.604	1566.1	0.0389	0.00107	mg/L	7.787	0.2130	ppm	2.74%
Pb 220.353	166.2	0.0133	0.00461	mg/L	2.658	0.9217	ppm	34.68%
Sb 206.833	-1.0	-0.0075	0.00676	mg/L	-1.509	1.3518	ppm	89.56%
Se 196.026	-81.9	-0.0044	0.00093	mg/L	-0.8806	0.18525	ppm	21.94%

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

Replicate Data
ID: 2864-11 F=200

Date: 04/28/03 02:01:39 PM

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

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

Mean Data

ID: 2864-11 F=200

Sample Qty: 1.0000 mL

Seq. No.: 54

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 34

A/S Pos: 43

Dilution: 1.0: 200.0

Date: 04/28/03 02:01:39 PM

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

Replicate Data

ID: 2864-17 F=200

Date: 04/28/03 02:04:14 PM

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

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

Mean Data

ID: 2864-17 F=200

Sample Qty: 1.0000 mL

Seq. No.: 55

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 35

1.0 mL

A/S Pos: 44

Dilution:

1.0: 200.0

Date: 04/28/03

02:04:14 PM

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

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

Replicate Data

ID: 2864-18 F=200

Date: 04/28/03 02:06:49 PM

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

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

Mean Data

ID: 2864-18 F=200

Sample Qty: 1.0000 mL

Seq. No.: 56

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 36

A/S Pos: 45

Dilution: 1.0: 200.0

Date: 04/28/03 02:06:49 PM

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

Replicate Data

ID: 2864-19 F=200

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

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

2 Be 313.107	-5536.0	-3235.3	-0.0013 mg/L	-0.2613 ppm
2 Ca 227.547	834.8	867.1	10.54 mg/L	2107 ppm
2 Cd 228.802	54.3	-71.6	-0.0017 mg/L	-0.3456 ppm
2 Co 228.616	1198.8	1127.3	0.0310 mg/L	6.199 ppm
2 Cr 267.716	3093.1	3156.0	0.0688 mg/L	13.76 ppm
2 Cu 324.754	4726.7	4178.2	0.0424 mg/L	8.476 ppm
2 Fe 273.955	1744900.4	1745080.0	81.93 mg/L	16390 ppm
2 K 766.491	628799.9	622712.6	11.21 mg/L	2242 ppm
2 Mg 279.079	208625.7	209640.8	21.45 mg/L	4290 ppm
2 Mn 257.610	479385.0	482768.2	1.127 mg/L	225.4 ppm
2 Mo 202.030	-65.2	49.2	0.0036 mg/L	0.7164 ppm
2 Na 330.237	2958.4	1724.4	4.649 mg/L	929.8 ppm
2 Ni 231.604	1452.4	1505.5	0.0374 mg/L	7.486 ppm
2 Pb 220.353	908.9	574.4	0.0397 mg/L	7.943 ppm
2 Sb 206.833	42.5	11.7	-0.0005 mg/L	-0.0920 ppm
2 Se 196.026	-19.2	-23.7	0.0076 mg/L	1.511 ppm
2 Tl 190.800	-19.6	14.2	0.0045 mg/L	0.8904 ppm
2 V 292.402	17417.2	17134.6	0.1763 mg/L	35.26 ppm
2 Zn 213.856	12622.9	12666.6	0.2375 mg/L	47.51 ppm

3 Ag 328.068	-269.3	151.2	0.0020 mg/L	0.3954 ppm
3 Al 308.215	318104.5	317662.0	33.98 mg/L	6796 ppm
3 As 188.979	36.5	46.9	0.0245 mg/L	4.909 ppm
3 Ba 233.527	18084.5	18517.3	0.1675 mg/L	33.49 ppm
3 Be 313.107	-5810.1	-3509.3	-0.0014 mg/L	-0.2834 ppm
3 Ca 227.547	811.3	843.6	10.25 mg/L	2050 ppm
3 Cd 228.802	109.9	-16.0	-0.0004 mg/L	-0.0773 ppm
3 Co 228.616	1240.7	1169.2	0.0321 mg/L	6.429 ppm
3 Cr 267.716	3090.3	3153.2	0.0687 mg/L	13.74 ppm
3 Cu 324.754	4904.7	4356.2	0.0440 mg/L	8.805 ppm
3 Fe 273.955	1769560.5	1769740.2	83.09 mg/L	16620 ppm
3 K 766.491	639792.4	633705.1	11.39 mg/L	2278 ppm
3 Mg 279.079	211130.0	212145.1	21.71 mg/L	4341 ppm
3 Mn 257.610	485836.4	489219.6	1.142 mg/L	228.5 ppm
3 Mo 202.030	-111.8	2.6	0.0002 mg/L	0.0376 ppm
3 Na 330.237	3220.4	1986.4	5.259 mg/L	1052 ppm
3 Ni 231.604	1510.6	1563.7	0.0389 mg/L	7.775 ppm
3 Pb 220.353	938.0	603.4	0.0417 mg/L	8.346 ppm
3 Sb 206.833	46.0	15.2	0.0009 mg/L	0.1716 ppm
3 Se 196.026	0.2	-4.2	0.0137 mg/L	2.734 ppm
3 Tl 190.800	-4.3	29.5	0.0093 mg/L	1.854 ppm
3 V 292.402	17667.6	17385.1	0.1789 mg/L	35.78 ppm
3 Zn 213.856	12376.7	12420.4	0.2329 mg/L	46.58 ppm

Mean Data

ID: 2864-19 F=200

Sample Qty: 1.0000 mL

Seq. No.: 57

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 37

1.0 mL

A/S Pos: 46

Dilution:

1.0: 200.0

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Conc.	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	61.6	0.0008	0.00101 mg/L	0.1611	0.20292 ppm			125.94%
Al 308.215	318776.2	34.10	0.656 mg/L	6820	131.3 ppm			1.92%
As 188.979	51.8	0.0264	0.00166 mg/L	5.272	0.3325 ppm			6.31%
Ba 233.527	18729.9	0.1694	0.00266 mg/L	33.88	0.531 ppm			1.57%
Be 313.107	-3370.7	-0.0014	0.00006 mg/L	-0.2722	0.01107 ppm			4.07%
Ca 227.547	853.3	10.37	0.149 mg/L	2073	29.9 ppm			1.44%
Cd 228.802	-41.2	-0.0010	0.00068 mg/L	-0.1990	0.13586 ppm			68.29%
Co 228.616	1141.0	0.0314	0.00067 mg/L	6.274	0.1344 ppm			2.14%
Cr 267.716	3167.3	0.0690	0.00048 mg/L	13.80	0.096 ppm			0.69%
Cu 324.754	4326.4	0.0438	0.00130 mg/L	8.757	0.2603 ppm			2.97%
Fe 273.955	1776460.5	83.41	1.654 mg/L	16680	330.8 ppm			1.98%
K 766.491	627660.8	11.29	0.092 mg/L	2258	18.4 ppm			0.81%
Mg 279.079	213537.0	21.85	0.486 mg/L	4370	97.2 ppm			2.22%
Mn 257.610	491998.0	1.149	0.0254 mg/L	229.8	5.08 ppm			2.21%
Mo 202.030	34.9	0.0025	0.00204 mg/L	0.5083	0.40850 ppm			80.37%
Na 330.237	1835.4	4.908	0.3153 mg/L	981.5	63.05 ppm			6.42%
Ni 231.604	1563.2	0.0389	0.00143 mg/L	7.772	0.2855 ppm			3.67%
Pb 220.353	594.9	0.0411	0.00124 mg/L	8.227	0.2472 ppm			3.00%
Sb 206.833	12.8	-0.0001	0.00085 mg/L	-0.0221	0.16989 ppm			768.25%
Se 196.026	-23.8	0.0078	0.00577 mg/L	1.558	1.1539 ppm			74.07%
Tl 190.800	4.2	0.0013	0.00988 mg/L	0.2660	1.97554 ppm			742.73%
V 292.402	17359.6	0.1787	0.00224 mg/L	35.73	0.449 ppm			1.3750

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

Replicate Data

ID: 2864-20 F=200

Date: 04/28/03 02:12:01 PM

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

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

Mean Data

ID: 2864-20 F=200

Sample Qty: 1.0000 mL

Seq. No.: 58

Sample No.: 38

A/S Pos: 47

Prep. Vol.: 1.0 mL

Dilution:

1.0: 200.0

Data: Original

Date: 04/28/03 02:12:01 PM

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

Replicate Data

ID: 2864-25 F=200

Date: 04/28/03 02:14:35 PM

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

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

Mean Data

ID: 2864-25 F=200

Sample Qty: 1.0000 mL

Seq. No.: 59

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 39

1.0 mL

A/S Pos: 48

Dilution:

1.0:

200.0

Date: 04/28/03 02:14:35 PM

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

Replicate Data
ID: 2864-26 F=200

Date: 04/28/03 02:17:04 PM

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

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

Mean Data

ID: 2864-26 F=200

Sample Qty: 1.0000 mL

Seq. No.: 60

Sample No.: 40

A/S Pos: 49

Prep. Vol.: 1.0 mL

Dilution: 1.0: 200.0

Data: Original

Date: 04/28/03 02:17:04 PM

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

Replicate Data

ID: 2864-28 F=200

Date: 04/28/03 02:19:34 PM

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

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

Mean Data

ID: 2864-28 F=200

Sample Qty: 1.0000 mL

Seq. No.: 61

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 41

1.0 mL

A/S Pos: 50

Dilution: 1.0: 200.0

Date: 04/28/03 02:19:34 PM

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

Replicate Data

ID: CCV 1447B

Date: 04/28/03 02:22:09 PM

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

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

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 62

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 5

A/S Pos: 6

Dilution: 1.0: 1.0

Date: 04/28/03 02:22:09 PM

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

Replicate Data

ID: CCB

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

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

2 Co 228.616	82.0	10.6	0.0003 mg/L
2 Cr 267.716	-81.3	-18.4	-0.0004 mg/L
2 Cu 324.754	489.5	-59.0	-0.0005 mg/L
2 Fe 273.955	-139.0	40.6	0.0019 mg/L
2 K 766.491	5929.1	-158.2	0.0673 mg/L
2 Mg 279.079	-1052.6	-37.5	-0.0038 mg/L
2 Mn 257.610	-3215.8	167.4	0.0004 mg/L
2 Mo 202.030	-99.4	15.0	0.0011 mg/L
2 Na 330.237	1022.8	-211.2	0.1275 mg/L
2 Ni 231.604	-54.5	-1.5	0.0000 mg/L
2 Pb 220.353	313.0	-21.6	-0.0015 mg/L
2 Sb 206.833	26.0	-4.8	-0.0019 mg/L
2 Se 196.026	12.8	8.3	0.0025 mg/L
2 Tl 190.800	-30.6	3.2	0.0010 mg/L
2 V 292.402	264.8	-17.8	-0.0002 mg/L
2 Zn 213.856	-55.9	-12.2	-0.0002 mg/L

3 Ag 328.068	-468.6	-48.1	-0.0006 mg/L
3 Al 308.215	499.1	56.6	0.0061 mg/L
3 As 188.979	-6.4	4.0	0.0014 mg/L
3 Ba 233.527	-407.2	25.7	0.0002 mg/L
3 Be 313.107	-2356.8	-56.1	0.0000 mg/L
3 Ca 227.547	-39.4	-7.0	-0.0856 mg/L
3 Cd 228.802	119.8	-6.1	-0.0001 mg/L
3 Co 228.616	79.5	8.0	0.0002 mg/L
3 Cr 267.716	-69.7	-6.8	-0.0001 mg/L
3 Cu 324.754	686.7	138.2	0.0012 mg/L
3 Fe 273.955	-187.2	-7.6	-0.0004 mg/L
3 K 766.491	5861.4	-225.9	0.0660 mg/L
3 Mg 279.079	-909.4	105.7	0.0108 mg/L
3 Mn 257.610	-3254.5	128.7	0.0003 mg/L
3 Mo 202.030	-110.2	4.2	0.0003 mg/L
3 Na 330.237	1265.2	31.1	0.6954 mg/L
3 Ni 231.604	-43.7	9.4	0.0002 mg/L
3 Pb 220.353	336.9	2.3	0.0002 mg/L
3 Sb 206.833	40.4	9.7	0.0039 mg/L
3 Se 196.026	4.0	-0.5	-0.0001 mg/L
3 Tl 190.800	-33.3	0.5	0.0002 mg/L
3 V 292.402	349.7	67.1	0.0007 mg/L
3 Zn 213.856	-58.5	-14.8	-0.0003 mg/L

Mean Data

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

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

Replicate Data

ID: 2864-29 F=200

Date: 04/28/03 02:28:07 PM

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

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

Mean Data

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

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

Replicate Data

ID: 2864-30 F=200

Date: 04/28/03 02:30:38 PM

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

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

Mean Data

ID: 2864-30 F=200

Sample Qty: 1.0000 mL

Seq. No.: 65

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 43

1.0 mL

A/S Pos: 52

Dilution: 1.0: 200.0

Date: 04/28/03 02:30:38 PM

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

Replicate Data

ID: CCV 1447B

Date: 04/28/03 02:33:14 PM

3762

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

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

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 66

Sample No.: 5

A/S Pos: 6

Prep. Vol.: 1.0 L

Dilution: 1.0: 1.0

Data: Original

Date: 04/28/03 02:33:14 PM

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

Replicate Data

ID: CCB

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

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

2 Cu 324.754	480.7	-67.8	-0.0006 mg/L
2 Fe 273.955	-177.2	2.5	0.0001 mg/L
2 K 766.491	4993.5	-1093.8	0.0490 mg/L
2 Mg 279.079	-1068.8	-53.7	-0.0055 mg/L
2 Mn 257.610	-3208.8	174.4	0.0004 mg/L
2 Mo 202.030	-111.7	2.7	0.0002 mg/L
2 Na 330.237	1081.9	-152.1	0.2659 mg/L
2 Ni 231.604	-43.0	10.1	0.0003 mg/L
2 Pb 220.353	319.3	-15.3	-0.0011 mg/L
2 Sb 206.833	24.1	-6.7	-0.0027 mg/L
2 Se 196.026	-4.3	-8.7	-0.0026 mg/L
2 Tl 190.800	-34.5	-0.7	-0.0002 mg/L
2 V 292.402	146.1	-136.5	-0.0014 mg/L
2 Zn 213.856	-44.2	-0.5	0.0000 mg/L

3 Ag 328.068	-311.7	108.8	0.0014 mg/L
3 Al 308.215	426.6	-16.0	-0.0017 mg/L
3 As 188.979	-25.0	-14.7	-0.0053 mg/L
3 Ba 233.527	-395.7	37.2	0.0003 mg/L
3 Be 313.107	-2326.3	-25.6	0.0000 mg/L
3 Ca 227.547	-38.2	-5.8	-0.0708 mg/L
3 Cd 228.802	118.3	-7.6	-0.0002 mg/L
3 Co 228.616	73.5	2.0	0.0001 mg/L
3 Cr 267.716	-80.7	-17.8	-0.0004 mg/L
3 Cu 324.754	586.4	37.9	0.0003 mg/L
3 Fe 273.955	-184.3	-4.7	-0.0002 mg/L
3 K 766.491	5754.5	-332.8	0.0639 mg/L
3 Mg 279.079	-1033.4	-18.3	-0.0019 mg/L
3 Mn 257.610	-3237.7	145.5	0.0003 mg/L
3 Mo 202.030	-103.0	11.4	0.0008 mg/L
3 Na 330.237	1094.8	-139.2	0.2962 mg/L
3 Ni 231.604	-42.3	10.8	0.0003 mg/L
3 Pb 220.353	318.6	-15.9	-0.0011 mg/L
3 Sb 206.833	22.4	-8.4	-0.0034 mg/L
3 Se 196.026	9.9	5.4	0.0016 mg/L
3 Tl 190.800	-34.3	-0.5	-0.0001 mg/L
3 V 292.402	200.5	-82.1	-0.0008 mg/L
3 Zn 213.856	-54.9	-11.2	-0.0002 mg/L

Mean Data

ID: CCB	Seq. No.: 67	Sample No.: 6	A/S Pos: 1
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0:	1.0
	Data: Original	Date: 04/28/03	02:36:05 PM

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

Replicate Data
ID: M-BL 03M1387S

Date: 04/28/03 02:39:29 PM

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

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

Mean Data

ID: M-BL 03M1387S

Sample Qty: 1.0000 mL

Seq. No.: 68

Sample No.: 44

A/S Pos: 53

Prep. Vol.: 1.0 mL

Dilution: 1.0: 50.0

Data: Original

Date: 04/28/03 02:39:29 PM

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

Replicate Data

ID: LCS-03M1387

Date: 04/28/03 02:42:39 PM

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

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

Mean Data

ID: LCS-03M1387

Sample Qty: 1.0000 mL

Seq. No.: 69

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 45

1.0 mL

A/S Pos: 54

Dilution:

1.0:

50.0

Date: 04/28/03

02:42:39 PM

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

Matrix Check Sample: LCS-03M1387

Expected

Measured

Calib

3768

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

Replicate Data

ID: LCSD-03M1387

Date: 04/28/03 02:45:12 PM

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

2 Sb 206.833	1242.4	1211.7	0.4845 mg/L	24.23 ppm
2 Se 196.026	1640.9	1636.4	0.4968 mg/L	24.84 ppm
2 Tl 190.800	1569.7	1603.5	0.5068 mg/L	25.34 ppm
2 V 292.402	180117.7	179835.2	1.782 mg/L	89.09 ppm
2 Zn 213.856	25900.7	25944.4	0.4865 mg/L	24.33 ppm
3 Ag 328.068	63817.4	64237.9	0.8401 mg/L	42.01 ppm
3 Al 308.215	18795.1	18352.5	1.963 mg/L	98.16 ppm
3 As 188.979	1357.4	1367.8	0.4958 mg/L	24.79 ppm
3 Ba 233.527	394441.4	394874.3	3.571 mg/L	178.5 ppm
3 Be 313.107	416459.4	418760.1	0.1691 mg/L	8.454 ppm
3 Ca 227.547	1541.6	1573.9	19.12 mg/L	956.1 ppm
3 Cd 228.802	9806.3	9680.4	0.2335 mg/L	11.68 ppm
3 Co 228.616	33029.0	32957.5	0.9062 mg/L	45.31 ppm
3 Cr 267.716	40438.3	40501.2	0.8826 mg/L	44.13 ppm
3 Cu 324.754	97383.6	96835.1	0.8513 mg/L	42.56 ppm
3 Fe 273.955	19274.5	19454.2	0.9051 mg/L	45.25 ppm
3 K 766.491	268745.2	262657.9	5.002 mg/L	250.1 ppm
3 Mg 279.079	79075.6	80090.7	8.195 mg/L	409.7 ppm
3 Mn 257.610	339776.9	343160.1	0.8013 mg/L	40.06 ppm
3 Mo 202.030	26508.6	26623.1	1.938 mg/L	96.88 ppm
3 Na 330.237	16264.6	15030.6	34.89 mg/L	1745 ppm
3 Ni 231.604	36378.8	36431.9	0.9058 mg/L	45.29 ppm
3 Pb 220.353	41910.7	41576.1	2.881 mg/L	144.0 ppm
3 Sb 206.833	1156.9	1126.1	0.4503 mg/L	22.51 ppm
3 Se 196.026	1576.3	1571.8	0.4772 mg/L	23.86 ppm
3 Tl 190.800	1591.0	1624.8	0.5134 mg/L	25.67 ppm
3 V 292.402	174249.2	173966.7	1.724 mg/L	86.18 ppm
3 Zn 213.856	25142.8	25186.5	0.4723 mg/L	23.62 ppm

Mean Data

ID: LCSD-03M1387

Sample Qty: 1.0000 mL

Seq. No.: 70

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 46

Dilution: 1.0:

Date: 04/28/03

A/S Pos: 55

Dilution: 1.0:

Date: 04/28/03 02:45:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	65379.4	0.8551	0.01324	mg/L	42.75	0.662	ppm	1.55%
Al 308.215	18590.3	1.989	0.0264	mg/L	99.43	1.321	ppm	1.33%
As 188.979	1396.0	0.5061	0.01777	mg/L	25.30	0.889	ppm	3.51%
Ba 233.527	405017.0	3.663	0.0797	mg/L	183.1	3.98	ppm	2.17%
Be 313.107	428693.7	0.1731	0.00348	mg/L	8.655	0.1738	ppm	2.01%
Ca 227.547	1569.6	19.07	0.574	mg/L	953.5	28.70	ppm	3.01%
Cd 228.802	9819.7	0.2369	0.00313	mg/L	11.84	0.157	ppm	1.32%
Co 228.616	33477.3	0.9205	0.01420	mg/L	46.02	0.710	ppm	1.54%
Cr 267.716	41300.8	0.9001	0.01510	mg/L	45.00	0.755	ppm	1.68%
Cu 324.754	99189.6	0.8720	0.01801	mg/L	43.60	0.900	ppm	2.07%
Fe 273.955	19781.8	0.9203	0.01373	mg/L	46.02	0.686	ppm	1.49%
K 766.491	260489.9	4.963	0.0457	mg/L	248.2	2.29	ppm	0.92%
Mg 279.079	82138.8	8.404	0.1815	mg/L	420.2	9.08	ppm	2.16%
Mn 257.610	352100.2	0.8221	0.01808	mg/L	41.11	0.904	ppm	2.20%
Mo 202.030	26882.6	1.957	0.0234	mg/L	97.83	1.168	ppm	1.19%
Na 330.237	15362.3	35.63	0.678	mg/L	1782	33.9	ppm	1.90%
Ni 231.604	36902.7	0.9175	0.01242	mg/L	45.87	0.621	ppm	1.35%
Pb 220.353	42016.2	2.911	0.0330	mg/L	145.6	1.65	ppm	1.14%
Sb 206.833	1171.0	0.4682	0.01719	mg/L	23.41	0.859	ppm	3.67%
Se 196.026	1620.9	0.4921	0.01318	mg/L	24.60	0.659	ppm	2.68%
Tl 190.800	1592.1	0.5032	0.01240	mg/L	25.16	0.620	ppm	2.46%
V 292.402	177662.3	1.760	0.0319	mg/L	88.01	1.594	ppm	1.81%
Zn 213.856	25549.7	0.4791	0.00713	mg/L	23.96	0.356	ppm	1.49%

Matrix Check Sample: LCSD-03M1387

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	0.9995	0.8551	0.013	mg/L	85.557
Al 308.215	2.002	1.989	0.026	mg/L	99.317
As 188.979	0.4985	0.5061	0.018	mg/L	101.521
Ba 233.527	4.000	3.663	0.080	mg/L	91.565
Be 313.107	0.2000	0.1731	0.003	mg/L	86.536
Ca 227.547	19.92	19.07	0.574	mg/L	95.726
Cd 228.802	0.2499	0.2369	0.003	mg/L	94.790

Co 228.616	0.9998	0.9205	0.014 mg/L	92.066
Cr 267.716	1.0000	0.9001	0.015 mg/L	90.008
Cu 324.754	1.0000	0.8720	0.018 mg/L	87.203
Fe 273.955	1.001	0.9203	0.014 mg/L	91.886
K 766.491	5.065	4.963	0.046 mg/L	97.973
Mg 279.079	10.00	8.404	0.182 mg/L	84.033
Mn 257.610	1.000	0.8221	0.018 mg/L	82.184
Mo 202.030	2.000	1.957	0.023 mg/L	97.822
Na 330.237	40.47	35.63	0.678 mg/L	87.893
Ni 231.604	1.000	0.9175	0.012 mg/L	91.742
Pb 220.353	2.999	2.911	0.033 mg/L	97.088
Sb 206.833	0.4979	0.4682	0.017 mg/L	94.075
Se 196.026	0.4992	0.4921	0.013 mg/L	98.572
Tl 190.800	0.5015	0.5032	0.012 mg/L	100.338
V 292.402	2.000	1.760	0.032 mg/L	88.015
Zn 213.856	0.5000	0.4791	0.007 mg/L	95.832

Replicate Data -----

ID: 2905-15 S F=50

Date: 04/28/03 02:47:47 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-375.7	44.8	0.0006 mg/L	0.0293 ppm
1	Al 308.215	564144.1	563701.6	60.30 mg/L	3015 ppm
1	As 188.979	316.3	326.6	0.1388 mg/L	6.942 ppm
1	Ba 233.527	11426.1	11859.0	0.1127 mg/L	5.637 ppm
1	Be 313.107	-7899.3	-5598.6	-0.0023 mg/L	-0.1130 ppm
1	Ca 227.547	8504.2	8536.5	103.7 mg/L	5186 ppm
1	Cd 228.802	79.3	-46.6	-0.0011 mg/L	-0.0562 ppm
1	Co 228.616	4371.5	4300.1	0.1182 mg/L	5.912 ppm
1	Cr 267.716	22722.0	22784.9	0.4910 mg/L	24.55 ppm
1	Cu 324.754	5672.7	5124.2	0.0593 mg/L	2.964 ppm
1	Fe 273.955	4397105.5	4397285.2	206.5 mg/L	10320 ppm
1	K 766.491	510145.9	504058.6	9.224 mg/L	461.2 ppm
1	Mg 279.079	623359.8	624374.9	63.88 mg/L	3194 ppm
1	Mn 257.610	1397319.2	1400702.4	3.271 mg/L	163.5 ppm
1	Mo 202.030	-119.4	-5.0	-0.0058 mg/L	-0.2925 ppm
1	Na 330.237	1226.4	-7.7	0.6045 mg/L	30.23 ppm
1	Ni 231.604	20957.3	21010.3	0.5223 mg/L	26.12 ppm
1	Pb 220.353	1217.1	882.6	0.0590 mg/L	2.950 ppm
1	Sb 206.833	90.7	60.0	0.0085 mg/L	0.4266 ppm
1	Se 196.026	-74.7	-79.1	0.0131 mg/L	0.6572 ppm
1	Tl 190.800	-52.7	-18.9	-0.0048 mg/L	-0.2386 ppm
1	V 292.402	33744.9	33462.3	0.3481 mg/L	17.40 ppm
1	Zn 213.856	16660.1	16703.8	0.3020 mg/L	15.10 ppm
2	Ag 328.068	-424.6	-4.1	-0.0001 mg/L	-0.0027 ppm
2	Al 308.215	573340.9	572898.4	61.28 mg/L	3064 ppm
2	As 188.979	245.8	256.2	0.1136 mg/L	5.680 ppm
2	Ba 233.527	11154.9	11587.7	0.1103 mg/L	5.516 ppm
2	Be 313.107	-8344.2	-6043.5	-0.0024 mg/L	-0.1220 ppm
2	Ca 227.547	8203.5	8235.9	100.1 mg/L	5003 ppm
2	Cd 228.802	57.1	-68.8	-0.0017 mg/L	-0.0830 ppm
2	Co 228.616	4313.8	4242.3	0.1166 mg/L	5.832 ppm
2	Cr 267.716	22301.9	22364.8	0.4818 mg/L	24.09 ppm
2	Cu 324.754	5687.3	5138.8	0.0595 mg/L	2.976 ppm
2	Fe 273.955	4428839.6	4429019.3	207.9 mg/L	10400 ppm
2	K 766.491	510123.7	504036.4	9.224 mg/L	461.2 ppm
2	Mg 279.079	627144.0	628159.2	64.27 mg/L	3214 ppm
2	Mn 257.610	1407619.4	1411002.6	3.295 mg/L	164.7 ppm
2	Mo 202.030	-118.3	-3.9	-0.0058 mg/L	-0.2904 ppm
2	Na 330.237	1090.7	-143.3	0.2867 mg/L	14.34 ppm
2	Ni 231.604	20539.4	20592.4	0.5120 mg/L	25.60 ppm
2	Pb 220.353	1052.3	717.7	0.0476 mg/L	2.381 ppm
2	Sb 206.833	67.8	37.0	-0.0007 mg/L	-0.0351 ppm
2	Se 196.026	-122.7	-127.2	-0.0012 mg/L	-0.0584 ppm
2	Tl 190.800	-12.4	21.4	0.0079 mg/L	0.3945 ppm
2	V 292.402	33938.4	33655.8	0.3501 mg/L	17.50 ppm
2	Zn 213.856	16493.6	16537.3	0.2988 mg/L	14.94 ppm
3	Ag 328.068	-286.3	134.2	0.0018 mg/L	0.0878 ppm
3	Al 308.215	583564.9	583122.3	62.38 mg/L	3119 ppm

3 As 188.979	272.0	282.3	0.1233 mg/L	6.163 ppm
3 Ba 233.527	11319.3	11752.2	0.1119 mg/L	5.594 ppm
3 Be 313.107	-8264.0	-5963.2	-0.0024 mg/L	-0.1204 ppm
3 Ca 227.547	8388.5	8420.8	102.3 mg/L	5115 ppm
3 Cd 228.802	124.6	-1.3	0.0000 mg/L	-0.0016 ppm
3 Co 228.616	4224.0	4152.5	0.1142 mg/L	5.709 ppm
3 Cr 267.716	22787.5	22850.4	0.4923 mg/L	24.62 ppm
3 Cu 324.754	5806.4	5257.9	0.0607 mg/L	3.036 ppm
3 Fe 273.955	4475642.5	4475822.2	210.1 mg/L	10510 ppm
3 K 766.491	540346.4	534259.1	9.735 mg/L	486.7 ppm
3 Mg 279.079	633997.4	635012.5	64.97 mg/L	3249 ppm
3 Mn 257.610	1423229.8	1426613.0	3.331 mg/L	166.6 ppm
3 Mo 202.030	-103.7	10.7	-0.0048 mg/L	-0.2403 ppm
3 Na 330.237	1220.0	-14.0	0.5896 mg/L	29.48 ppm
3 Ni 231.604	20953.3	21006.3	0.5222 mg/L	26.11 ppm
3 Pb 220.353	1024.4	689.9	0.0457 mg/L	2.285 ppm
3 Sb 206.833	70.2	39.4	0.0001 mg/L	0.0038 ppm
3 Se 196.026	-58.1	-62.5	0.0188 mg/L	0.9425 ppm
3 Tl 190.800	-98.4	-64.6	-0.0191 mg/L	-0.9563 ppm
3 V 292.402	34683.2	34400.6	0.3577 mg/L	17.88 ppm
3 Zn 213.856	16695.2	16738.9	0.3025 mg/L	15.13 ppm

Mean Data

ID: 2905-15 S F=50

Sample Qty: 1.0000 mL

Seq. No.: 71

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 47

Dilution: 1.0:

Date: 04/28/03

A/S Pos: 56

Dilution: 1.0:

Date: 04/28/03

02:47:47 PM

50.0

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	58.3	0.0008	0.00092	mg/L	0.0381	0.04587	ppm	120.33%
Al 308.215	573240.8	61.32	1.039	mg/L	3066	52.0	ppm	1.69%
As 188.979	288.4	0.1252	0.01273	mg/L	6.262	0.6365	ppm	10.17%
Ba 233.527	11733.0	0.1116	0.00122	mg/L	5.582	0.0611	ppm	1.09%
Be 313.107	-5868.4	-0.0024	0.00010	mg/L	-0.1185	0.00479	ppm	4.04%
Ca 227.547	8397.7	102.0	1.84	mg/L	5101	92.1	ppm	1.81%
Cd 228.802	-38.9	-0.0009	0.00083	mg/L	-0.0469	0.04147	ppm	88.35%
Co 228.616	4231.6	0.1164	0.00204	mg/L	5.818	0.1022	ppm	1.76%
Cr 267.716	22666.7	0.4883	0.00573	mg/L	24.42	0.287	ppm	1.17%
Cu 324.754	5173.6	0.0598	0.00077	mg/L	2.992	0.0384	ppm	1.28%
Fe 273.955	4434042.2	208.2	1.85	mg/L	10410	92.7	ppm	0.89%
K 766.491	514118.0	9.394	0.2946	mg/L	469.7	14.73	ppm	3.14%
Mg 279.079	629182.2	64.38	0.552	mg/L	3219	27.6	ppm	0.86%
Mn 257.610	1412772.7	3.299	0.0305	mg/L	164.9	1.52	ppm	0.92%
Mo 202.030	0.6	-0.0055	0.00059	mg/L	-0.2744	0.02955	ppm	10.77%
Na 330.237	-55.0	0.4936	0.17934	mg/L	24.68	8.967	ppm	36.33%
Ni 231.604	20869.7	0.5189	0.00597	mg/L	25.94	0.299	ppm	1.15%
Pb 220.353	763.4	0.0508	0.00719	mg/L	2.539	0.3597	ppm	14.17%
Sb 206.833	45.5	0.0026	0.00512	mg/L	0.1318	0.25610	ppm	194.35%
Se 196.026	-89.6	0.0103	0.01031	mg/L	0.5138	0.51561	ppm	100.36%
Tl 190.800	-20.7	-0.0053	0.01352	mg/L	-0.2668	0.67582	ppm	253.29%
V 292.402	33839.6	0.3519	0.00505	mg/L	17.60	0.253	ppm	1.44%
Zn 213.856	16660.0	0.3011	0.00199	mg/L	15.06	0.100	ppm	0.66%

Replicate Data

ID: 2905-15 D F=50

Date: 04/28/03 02:50:23 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Sample Conc.
1	Ag 328.068	-351.7	68.8	0.0009 mg/L	0.0450 ppm
1	Al 308.215	501993.9	501551.3	53.65 mg/L	2683 ppm
1	As 188.979	302.5	312.9	0.1319 mg/L	6.595 ppm
1	Ba 233.527	17221.4	17654.2	0.1652 mg/L	8.262 ppm
1	Be 313.107	-6078.0	-3777.3	-0.0015 mg/L	-0.0763 ppm
1	Ca 227.547	9528.8	9561.1	116.2 mg/L	5808 ppm
1	Cd 228.802	124.9	-1.0	0.0000 mg/L	-0.0012 ppm
1	Co 228.616	3987.3	3915.8	0.1077 mg/L	5.383 ppm
1	Cr 267.716	17550.9	17613.8	0.3782 mg/L	18.91 ppm
1	Cu 324.754	5971.1	5422.6	0.0621 mg/L	3.106 ppm
1	Fe 273.955	4464852.6	4465032.3	209.6 mg/L	10480 ppm
1	K 766.491	492183.9	486096.6	8.919 mg/L	446.0 ppm
1	Mg 279.079	543383.1	544398.2	55.70 mg/L	2785 ppm
1	Mn 257.610	1446510.9	1449894.1	3.385 mg/L	169.3 ppm

1 Mo 202.030	-123.2	-8.8	-0.0062 mg/L	-0.3105 ppm
1 Na 330.237	1325.1	91.0	0.8357 mg/L	41.79 ppm
1 Ni 231.604	17107.1	17160.2	0.4266 mg/L	21.33 ppm
1 Pb 220.353	1226.2	891.6	0.0590 mg/L	2.949 ppm
1 Sb 206.833	98.7	67.9	0.0140 mg/L	0.6996 ppm
1 Se 196.026	-21.1	-25.6	0.0300 mg/L	1.499 ppm
1 Tl 190.800	-101.8	-68.0	-0.0207 mg/L	-1.036 ppm
1 V 292.402	30720.6	30438.0	0.3184 mg/L	15.92 ppm
1 Zn 213.856	15800.8	15844.5	0.2858 mg/L	14.29 ppm

2 Ag 328.068	-354.1	66.4	0.0009 mg/L	0.0435 ppm
2 Al 308.215	510003.2	509560.7	54.51 mg/L	2725 ppm
2 As 188.979	337.0	347.4	0.1434 mg/L	7.169 ppm
2 Ba 233.527	16891.5	17324.4	0.1620 mg/L	8.099 ppm
2 Be 313.107	-6182.9	-3882.2	-0.0016 mg/L	-0.0784 ppm
2 Ca 227.547	9479.3	9511.6	115.6 mg/L	5778 ppm
2 Cd 228.802	124.0	-1.9	0.0000 mg/L	-0.0023 ppm
2 Co 228.616	3905.5	3834.0	0.1054 mg/L	5.271 ppm
2 Cr 267.716	17270.7	17333.6	0.3724 mg/L	18.62 ppm
2 Cu 324.754	5889.8	5341.3	0.0607 mg/L	3.036 ppm
2 Fe 273.955	4253971.8	4254151.5	199.7 mg/L	9987 ppm
2 K 766.491	502995.4	496908.1	9.103 mg/L	455.2 ppm
2 Mg 279.079	547455.9	548471.1	56.12 mg/L	2806 ppm
2 Mn 257.610	1465647.4	1469030.6	3.430 mg/L	171.5 ppm
2 Mo 202.030	-156.6	-42.2	-0.0084 mg/L	-0.4191 ppm
2 Na 330.237	1236.2	2.2	0.6276 mg/L	31.38 ppm
2 Ni 231.604	16800.9	16854.0	0.4190 mg/L	20.95 ppm
2 Pb 220.353	1118.4	783.9	0.0519 mg/L	2.596 ppm
2 Sb 206.833	76.6	45.9	0.0058 mg/L	0.2893 ppm
2 Se 196.026	-62.1	-66.5	0.0158 mg/L	0.7878 ppm
2 Tl 190.800	-62.0	-28.2	-0.0083 mg/L	-0.4126 ppm
2 V 292.402	31380.6	31098.0	0.3241 mg/L	16.20 ppm
2 Zn 213.856	15926.1	15969.8	0.2886 mg/L	14.43 ppm

3 Ag 328.068	-238.3	182.2	0.0024 mg/L	0.1192 ppm
3 Al 308.215	485054.3	484611.7	51.84 mg/L	2592 ppm
3 As 188.979	318.9	329.2	0.1376 mg/L	6.879 ppm
3 Ba 233.527	17677.7	18110.6	0.1693 mg/L	8.465 ppm
3 Be 313.107	-5904.5	-3603.8	-0.0015 mg/L	-0.0728 ppm
3 Ca 227.547	10149.5	10181.9	123.7 mg/L	6185 ppm
3 Cd 228.802	163.0	37.1	0.0009 mg/L	0.0448 ppm
3 Co 228.616	4101.8	4030.3	0.1108 mg/L	5.541 ppm
3 Cr 267.716	18195.0	18257.9	0.3923 mg/L	19.61 ppm
3 Cu 324.754	5918.7	5370.2	0.0615 mg/L	3.076 ppm
3 Fe 273.955	4417928.9	4418108.6	207.4 mg/L	10370 ppm
3 K 766.491	474382.0	468294.8	8.615 mg/L	430.8 ppm
3 Mg 279.079	522818.3	523833.4	53.60 mg/L	2680 ppm
3 Mn 257.610	1398168.4	1401551.6	3.273 mg/L	163.6 ppm
3 Mo 202.030	-136.3	-21.9	-0.0071 mg/L	-0.3552 ppm
3 Na 330.237	1622.7	388.7	1.532 mg/L	76.62 ppm
3 Ni 231.604	17698.4	17751.5	0.4413 mg/L	22.07 ppm
3 Pb 220.353	1029.8	695.3	0.0453 mg/L	2.266 ppm
3 Sb 206.833	25.4	-5.4	-0.0152 mg/L	-0.7603 ppm
3 Se 196.026	-111.9	-116.4	0.0020 mg/L	0.1008 ppm
3 Tl 190.800	-77.8	-44.0	-0.0132 mg/L	-0.6593 ppm
3 V 292.402	29832.7	29550.1	0.3094 mg/L	15.47 ppm
3 Zn 213.856	16600.9	16644.6	0.3009 mg/L	15.04 ppm

Mean Data

ID: 2905-15 D F=50

Sample Qty: 1.0000 mL

Seq. No.: 72

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 48

1.0 mL

A/S Pos: 57

Dilution:

1.0:

50.0

Date: 04/28/03 02:50:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	105.8	0.0014	0.00087	mg/L	0.0692	0.04327	ppm	62.52%
Al 308.215	498574.6	53.33	1.363	mg/L	2667	68.1	ppm	2.55%
As 188.979	329.8	0.1376	0.00574	mg/L	6.881	0.2869	ppm	4.17%
Ba 233.527	17696.4	0.1655	0.00367	mg/L	8.275	0.1833	ppm	2.21%
Be 313.107	-3754.4	-0.0015	0.00006	mg/L	-0.0758	0.00284	ppm	3.75%
Ca 227.547	9751.5	118.5	4.54	mg/L	5924	226.9	ppm	3.83%
Cd 228.802	11.4	0.0003	0.00054	mg/L	0.0137	0.02688	ppm	195.51%
Co 228.616	3926.7	0.1080	0.00271	mg/L	5.398	0.1356	ppm	2.51%

Cr 267.716	17735.1	0.3809	0.01025 mg/L	19.05	0.512 ppm	2.69%
Cu 324.754	5378.0	0.0615	0.00070 mg/L	3.073	0.0350 ppm	1.14%
Fe 273.955	4379097.4	205.6	5.20 mg/L	10280	259.9 ppm	2.53%
K 766.491	483766.5	8.879	0.2463 mg/L	444.0	12.31 ppm	2.77%
Mg 279.079	538900.9	55.14	1.351 mg/L	2757	67.6 ppm	2.45%
Mn 257.610	1440158.8	3.363	0.0812 mg/L	168.1	4.06 ppm	2.41%
Mo 202.030	-24.3	-0.0072	0.00109 mg/L	-0.3616	0.05456 ppm	15.09%
Na 330.237	160.6	0.9986	0.47386 mg/L	49.93	23.693 ppm	47.45%
Ni 231.604	17255.2	0.4290	0.01134 mg/L	21.45	0.567 ppm	2.64%
Pb 220.353	790.3	0.0521	0.00684 mg/L	2.604	0.3419 ppm	13.13%
Sb 206.833	36.1	0.0015	0.01506 mg/L	0.0762	0.75291 ppm	987.80%
Se 196.026	-69.5	0.0159	0.01398 mg/L	0.7958	0.69905 ppm	87.84%
Tl 190.800	-46.7	-0.0141	0.00628 mg/L	-0.7026	0.31386 ppm	44.67%
V 292.402	30362.1	0.3173	0.00742 mg/L	15.86	0.371 ppm	2.34%
Zn 213.856	16153.0	0.2918	0.00803 mg/L	14.59	0.401 ppm	2.75%

Matrix Check Sample: 2905-15 D F=50

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	Relative % Diff.
Ag 328.068	0.0008	0.0014	0.001	mg/L	57.929
Al 308.215	61.32	53.33	1.363	mg/L	13.933
As 188.979	0.1252	0.1376	0.006	mg/L	9.421
Ba 233.527	0.1116	0.1655	0.004	mg/L	38.867
Be 313.107	-0.0024	-0.0015	0.000	mg/L	-43.938
Ca 227.547	102.0	118.5	4.538	mg/L	14.918
Cd 228.802	-0.0009	0.0003	0.001	mg/L	-365.697
Co 228.616	0.1164	0.1080	0.003	mg/L	7.475
Cr 267.716	0.4883	0.3809	0.010	mg/L	24.710
Cu 324.754	0.0598	0.0615	0.001	mg/L	2.669
Fe 273.955	208.2	205.6	5.199	mg/L	1.247
K 766.491	9.394	8.879	0.246	mg/L	5.638
Mg 279.079	64.38	55.14	1.351	mg/L	15.458
Mn 257.610	3.299	3.363	0.081	mg/L	1.920
Mo 202.030	-0.0055	-0.0072	0.001	mg/L	-27.418
Na 330.237	0.4936	0.9986	0.474	mg/L	67.679
Ni 231.604	0.5189	0.4290	0.011	mg/L	18.961
Pb 220.353	0.0508	0.0521	0.007	mg/L	2.542
Sb 206.833	0.0026	0.0015	0.015	mg/L	53.418
Se 196.026	0.0103	0.0159	0.014	mg/L	43.076
Tl 190.800	-0.0053	-0.0141	0.006	mg/L	-89.906
V 292.402	0.3519	0.3173	0.007	mg/L	10.359
Zn 213.856	0.3011	0.2918	0.008	mg/L	3.160

Replicate Data

ID: 2905-15 1/5 F=250

Date: 04/28/03

02:53:19 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-418.9	1.6	0.0000	mg/L	0.0054	ppm
1	Al 308.215	120754.7	120312.2	12.87	mg/L	3217	ppm
1	As 188.979	51.6	61.9	0.0264	mg/L	6.596	ppm
1	Ba 233.527	2009.8	2442.7	0.0221	mg/L	5.522	ppm
1	Be 313.107	-3607.8	-1307.1	-0.0005	mg/L	-0.1319	ppm
1	Ca 227.547	1740.7	1773.1	21.54	mg/L	5386	ppm
1	Cd 228.802	109.3	-16.6	-0.0004	mg/L	-0.0999	ppm
1	Co 228.616	909.1	837.6	0.0230	mg/L	5.758	ppm
1	Cr 267.716	4574.0	4636.9	0.1011	mg/L	25.26	ppm
1	Cu 324.754	1518.1	969.6	0.0085	mg/L	2.131	ppm
1	Fe 273.955	946197.6	946377.3	44.43	mg/L	11110	ppm
1	K 766.491	93273.2	87186.0	1.751	mg/L	437.9	ppm
1	Mg 279.079	126761.1	127776.3	13.07	mg/L	3268	ppm
1	Mn 257.610	290256.8	293640.1	0.6856	mg/L	171.4	ppm
1	Mo 202.030	-102.2	12.2	0.0009	mg/L	0.2217	ppm
1	Na 330.237	1183.0	-51.0	0.5029	mg/L	125.7	ppm
1	Ni 231.604	4198.1	4251.2	0.1057	mg/L	26.42	ppm
1	Pb 220.353	491.2	156.6	0.0104	mg/L	2.596	ppm
1	Sb 206.833	28.8	-1.9	-0.0036	mg/L	-0.8924	ppm
1	Se 196.026	-23.1	-27.6	-0.0004	mg/L	-0.0919	ppm
1	Tl 190.800	-31.4	2.4	0.0007	mg/L	0.1869	ppm
1	V 292.402	7296.0	7013.4	0.0695	mg/L	17.37	ppm

1 Zn 213.856	3352.6	3396.3	0.0637 mg/L	15.92 ppm
2 Ag 328.068	-283.3	137.2	0.0018 mg/L	0.4487 ppm
2 Al 308.215	116330.5	115887.9	12.40 mg/L	3099 ppm
2 As 188.979	39.4	49.7	0.0218 mg/L	5.458 ppm
2 Ba 233.527	1931.7	2364.5	0.0214 mg/L	5.346 ppm
2 Be 313.107	-3498.7	-1198.0	-0.0005 mg/L	-0.1209 ppm
2 Ca 227.547	1716.9	1749.3	21.25 mg/L	5313 ppm
2 Cd 228.802	109.3	-16.6	-0.0004 mg/L	-0.1002 ppm
2 Co 228.616	910.0	838.5	0.0231 mg/L	5.764 ppm
2 Cr 267.716	4458.7	4521.6	0.0985 mg/L	24.63 ppm
2 Cu 324.754	1431.6	883.1	0.0078 mg/L	1.941 ppm
2 Fe 273.955	908301.0	908480.6	42.65 mg/L	10660 ppm
2 K 766.491	92763.8	86676.5	1.742 mg/L	435.4 ppm
2 Mg 279.079	119783.7	120798.8	12.36 mg/L	3090 ppm
2 Mn 257.610	277214.0	280597.3	0.6552 mg/L	163.8 ppm
2 Mo 202.030	-104.6	9.8	0.0007 mg/L	0.1778 ppm
2 Na 330.237	1155.2	-78.9	0.4377 mg/L	109.4 ppm
2 Ni 231.604	4139.4	4192.5	0.1042 mg/L	26.06 ppm
2 Pb 220.353	479.5	145.0	0.0086 mg/L	2.150 ppm
2 Sb 206.833	37.3	6.5	-0.0001 mg/L	-0.0205 ppm
2 Se 196.026	-15.8	-20.2	0.0015 mg/L	0.3836 ppm
2 Tl 190.800	-31.1	2.7	0.0009 mg/L	0.2136 ppm
2 V 292.402	7115.0	6832.4	0.0677 mg/L	16.92 ppm
2 Zn 213.856	3324.8	3368.5	0.0632 mg/L	15.79 ppm
3 Ag 328.068	-327.2	93.3	0.0012 mg/L	0.3051 ppm
3 Al 308.215	114741.7	114299.2	12.23 mg/L	3057 ppm
3 As 188.979	39.4	49.8	0.0218 mg/L	5.443 ppm
3 Ba 233.527	1899.3	2332.2	0.0211 mg/L	5.273 ppm
3 Be 313.107	-3487.7	-1186.9	-0.0005 mg/L	-0.1198 ppm
3 Ca 227.547	1705.9	1738.2	21.12 mg/L	5280 ppm
3 Cd 228.802	117.1	-8.8	-0.0002 mg/L	-0.0528 ppm
3 Co 228.616	897.6	826.1	0.0227 mg/L	5.679 ppm
3 Cr 267.716	4421.6	4484.5	0.0977 mg/L	24.43 ppm
3 Cu 324.754	1546.4	997.9	0.0088 mg/L	2.193 ppm
3 Fe 273.955	891939.3	892119.0	41.89 mg/L	10470 ppm
3 K 766.491	95974.0	89886.7	1.803 mg/L	450.7 ppm
3 Mg 279.079	117500.1	118515.2	12.13 mg/L	3032 ppm
3 Mn 257.610	271961.5	275344.7	0.6429 mg/L	160.7 ppm
3 Mo 202.030	-116.1	-1.7	-0.0001 mg/L	-0.0305 ppm
3 Na 330.237	1123.3	-110.7	0.3630 mg/L	90.74 ppm
3 Ni 231.604	4099.9	4153.0	0.1033 mg/L	25.81 ppm
3 Pb 220.353	462.9	128.3	0.0075 mg/L	1.868 ppm
3 Sb 206.833	32.0	1.2	-0.0022 mg/L	-0.5380 ppm
3 Se 196.026	-15.7	-20.2	0.0014 mg/L	0.3515 ppm
3 Tl 190.800	-38.4	-4.6	-0.0014 mg/L	-0.3597 ppm
3 V 292.402	6865.2	6582.6	0.0652 mg/L	16.30 ppm
3 Zn 213.856	3294.3	3338.0	0.0626 mg/L	15.65 ppm

Mean Data

ID: 2905-15 1/5 F=250

Sample Qty: 1.0000 mL

Seq. No.: 73

Prep. Vol.:

Data: Original

Sample No.: 49

1.0 mL

A/S Pos: 58

Dilution:

1.0: 250.0

Date: 04/28/03

02:53:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD%
Ag 328.068	77.4	0.0010	0.00090	mg/L	0.2531	0.22622	ppm	89.39%
Al 308.215	116833.1	12.50	0.333	mg/L	3124	83.3	ppm	2.67%
As 188.979	53.8	0.0233	0.00264	mg/L	5.832	0.6612	ppm	11.34%
Ba 233.527	2379.8	0.0215	0.00051	mg/L	5.380	0.1284	ppm	2.39%
Be 313.107	-1230.7	-0.0005	0.00003	mg/L	-0.1242	0.00670	ppm	5.40%
Ca 227.547	1753.5	21.30	0.217	mg/L	5326	54.1	ppm	1.02%
Cd 228.802	-14.0	-0.0003	0.00011	mg/L	-0.0843	0.02727	ppm	32.35%
Co 228.616	834.1	0.0229	0.00019	mg/L	5.734	0.0476	ppm	0.83%
Cr 267.716	4547.7	0.0991	0.00173	mg/L	24.78	0.433	ppm	1.75%
Cu 324.754	950.2	0.0084	0.00053	mg/L	2.088	0.1315	ppm	6.30%
Fe 273.955	915659.0	42.99	1.307	mg/L	10750	326.7	ppm	3.04%
K 766.491	87916.4	1.765	0.0328	mg/L	441.3	8.20	ppm	1.86%
Mg 279.079	122363.4	12.52	0.494	mg/L	3130	123.4	ppm	3.94%
Mn 257.610	283194.0	0.6612	0.02200	mg/L	165.3	5.50	ppm	3.33%
Mo 202.030	6.8	0.0005	0.00054	mg/L	0.1230	0.13472	ppm	109.53%
Na 330.237	-80.2	0.4345	0.07003	mg/L	108.6	17.51	ppm	16.37%

Ni 231.604	4198.9	0.1044	0.00123 mg/L	26.10	0.307 ppm	1*18%
Pb 220.353	143.3	0.0088	0.00147 mg/L	2.205	0.3667 ppm	16.64%
Sb 206.833	1.9	-0.0019	0.00175 mg/L	-0.4836	0.43848 ppm	90.66%
Se 196.026	-22.7	0.0009	0.00106 mg/L	0.2144	0.26578 ppm	123.95%
Tl 190.800	0.2	0.0001	0.00129 mg/L	0.0136	0.32353 ppm	>999.9%
V 292.402	6809.5	0.0675	0.00214 mg/L	16.87	0.536 ppm	3.18%
Zn 213.856	3367.6	0.0632	0.00055 mg/L	15.79	0.137 ppm	0.87%

Replicate Data

ID: 2905-15 MS F=50

Date: 04/28/03 02:56:37 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units	
1	Ag 328.068	68311.8	68732.3	0.8989 mg/L	44.95 ppm	
1	Al 308.215	556585.6	556143.0	59.49 mg/L	2975 ppm	
1	As 188.979	1629.5	1639.8	0.6135 mg/L	30.68 ppm	
1	Ba 233.527	415884.3	416317.1	3.770 mg/L	188.5 ppm	
1	Be 313.107	424654.2	426954.9	0.1724 mg/L	8.620 ppm	
1	Ca 227.547	11577.0	11609.3	141.0 mg/L	7052 ppm	
1	Cd 228.802	9727.2	9601.3	0.2316 mg/L	11.58 ppm	
1	Co 228.616	37181.8	37110.3	1.020 mg/L	51.02 ppm	
1	Cr 267.716	59449.9	59512.8	1.292 mg/L	64.59 ppm	
1	Cu 324.754	109253.3	108704.8	0.9690 mg/L	48.45 ppm	
1	Fe 273.955	4128511.3	4128691.0	193.8 mg/L	9692 ppm	
1	K 766.491	800374.3	794287.0	13.98 mg/L	699.0 ppm	
1	Mg 279.079	648407.0	649422.1	66.45 mg/L	3322 ppm	
1	Mn 257.610	1864011.2	1867394.4	4.360 mg/L	218.0 ppm	
1	Mo 202.030	26013.6	26128.1	1.896 mg/L	94.82 ppm	
1	Na 330.237	17845.7	16611.6	38.40 mg/L	1920 ppm	
1	Ni 231.604	55624.2	55677.3	1.384 mg/L	69.21 ppm	
1	Pb 220.353	42346.5	42012.0	2.908 mg/L	145.4 ppm	
1	Sb 206.833	1143.9	1113.1	0.4316 mg/L	21.58 ppm	
1	Se 196.026	1524.3	1519.8	0.4963 mg/L	24.82 ppm	
1	Tl 190.800	1494.7	1528.6	0.4843 mg/L	24.22 ppm	
1	V 292.402	210740.2	210457.6	2.101 mg/L	105.0 ppm	
1	Zn 213.856	41845.6	41889.3	0.7750 mg/L	38.75 ppm	
2	Ag 328.068	70082.7	70503.2	0.9221 mg/L	46.10 ppm	
2	Al 308.215	568119.9	567677.3	60.72 mg/L	3036 ppm	
2	As 188.979	1522.6	1532.9	0.5754 mg/L	28.77 ppm	
2	Ba 233.527	418978.4	419411.3	3.798 mg/L	189.9 ppm	
2	Be 313.107	431193.6	433494.3	0.1750 mg/L	8.752 ppm	
2	Ca 227.547	11096.0	11128.3	135.2 mg/L	6760 ppm	
2	Cd 228.802	9375.3	9249.4	0.2231 mg/L	11.16 ppm	
2	Co 228.616	35439.2	35367.7	0.9724 mg/L	48.62 ppm	
2	Cr 267.716	60707.3	60770.2	1.319 mg/L	65.95 ppm	
2	Cu 324.754	111710.9	111162.4	0.9907 mg/L	49.54 ppm	
2	Fe 273.955	4172089.6	4172269.3	195.9 mg/L	9794 ppm	
2	K 766.491	827403.1	821315.8	14.41 mg/L	720.4 ppm	
2	Mg 279.079	655057.2	656072.3	67.13 mg/L	3356 ppm	
2	Mn 257.610	1882928.3	1886311.5	4.404 mg/L	220.2 ppm	
2	Mo 202.030	24963.0	25077.4	1.820 mg/L	91.00 ppm	
2	Na 330.237	17992.5	16758.5	38.72 mg/L	1936 ppm	
2	Ni 231.604	56391.2	56444.3	1.403 mg/L	70.16 ppm	
2	Pb 220.353	40768.9	40434.3	2.799 mg/L	139.9 ppm	
2	Sb 206.833	1077.9	1047.2	0.4051 mg/L	20.25 ppm	
2	Se 196.026	1469.8	1465.4	0.4801 mg/L	24.01 ppm	
2	Tl 190.800	1366.0	1399.8	0.4439 mg/L	22.20 ppm	
2	V 292.402	214664.1	214381.5	2.140 mg/L	107.0 ppm	
2	Zn 213.856	40325.9	40369.6	0.7464 mg/L	37.32 ppm	
3	Ag 328.068	68029.4	68449.9	0.8952 mg/L	44.76 ppm	
3	Al 308.215	555748.5	555305.9	59.40 mg/L	2970 ppm	
3	As 188.979	1543.2	1553.5	0.5828 mg/L	29.14 ppm	
3	Ba 233.527	411797.7	412230.6	3.733 mg/L	186.7 ppm	
3	Be 313.107	421475.0	423775.8	0.1711 mg/L	8.556 ppm	
3	Ca 227.547	11230.3	11262.6	136.8 mg/L	6842 ppm	
3	Cd 228.802	9358.9	9233.0	0.2227 mg/L	11.14 ppm	
3	Co 228.616	35559.9	35488.4	0.9758 mg/L	48.79 ppm	
3	Cr 267.716	59221.1	59284.0	1.287 mg/L	64.33 ppm	
3	Cu 324.754	108979.6	108431.1	0.9669 mg/L	48.34 ppm	
3	Fe 273.955	4207695.6	4207875.2	197.6 mg/L	9878 ppm	

3 K 766.491	846226.8	840139.5	14.70 mg/L	735.2 ppm
3 Mg 279.079	642387.1	643402.2	65.83 mg/L	3292 ppm
3 Mn 257.610	1845981.7	1849365.0	4.318 mg/L	215.9 ppm
3 Mo 202.030	25180.6	25295.1	1.836 mg/L	91.79 ppm
3 Na 330.237	17620.9	16386.9	37.90 mg/L	1895 ppm
3 Ni 231.604	55404.6	55457.6	1.379 mg/L	68.94 ppm
3 Pb 220.353	40988.6	40654.0	2.814 mg/L	140.7 ppm
3 Sb 206.833	1157.2	1126.4	0.4368 mg/L	21.84 ppm
3 Se 196.026	1452.3	1447.9	0.4751 mg/L	23.76 ppm
3 Tl 190.800	1397.5	1431.3	0.4538 mg/L	22.69 ppm
3 V 292.402	209743.7	209461.1	2.091 mg/L	104.6 ppm
3 Zn 213.856	40091.8	40135.5	0.7419 mg/L	37.10 ppm

Mean Data

ID: 2905-15 MS F=50 Seq. No.: 74 Sample No.: 50 A/S Pos: 59
 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
 Date: Original Date: 04/28/03 02:56:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	69228.5	0.9054	0.01456	mg/L	45.27	0.728	ppm	1.61%
Al 308.215	559708.8	59.87	0.740	mg/L	2994	37.0	ppm	1.24%
As 188.979	1575.4	0.5906	0.02021	mg/L	29.53	1.011	ppm	3.42%
Ba 233.527	415986.3	3.767	0.0325	mg/L	188.4	1.63	ppm	0.86%
Be 313.107	428075.0	0.1728	0.00200	mg/L	8.642	0.1000	ppm	1.16%
Ca 227.547	11333.4	137.7	3.02	mg/L	6885	150.8	ppm	2.19%
Cd 228.802	9361.3	0.2258	0.00502	mg/L	11.29	0.251	ppm	2.22%
Co 228.616	35988.8	0.9895	0.02676	mg/L	49.48	1.338	ppm	2.70%
Cr 267.716	59855.7	1.299	0.0174	mg/L	64.96	0.872	ppm	1.34%
Cu 324.754	109432.8	0.9755	0.01322	mg/L	48.78	0.661	ppm	1.36%
Fe 273.955	4169611.8	195.8	1.86	mg/L	9788	93.1	ppm	0.95%
K 766.491	818580.8	14.36	0.364	mg/L	718.2	18.19	ppm	2.53%
Mg 279.079	649632.2	66.47	0.648	mg/L	3323	32.4	ppm	0.98%
Mn 257.610	1867690.3	4.361	0.0431	mg/L	218.0	2.16	ppm	0.99%
Mo 202.030	25500.2	1.851	0.0404	mg/L	92.54	2.020	ppm	2.18%
Na 330.237	16585.7	38.34	0.414	mg/L	1917	20.7	ppm	1.08%
Ni 231.604	55859.7	1.389	0.0129	mg/L	69.44	0.644	ppm	0.93%
Pb 220.353	41033.4	2.840	0.0592	mg/L	142.0	2.96	ppm	2.08%
Sb 206.833	1095.6	0.4245	0.01700	mg/L	21.22	0.850	ppm	4.00%
Se 196.026	1477.7	0.4839	0.01106	mg/L	24.19	0.553	ppm	2.29%
Tl 190.800	1453.2	0.4607	0.02106	mg/L	23.03	1.053	ppm	4.57%
V 292.402	211433.4	2.110	0.0258	mg/L	105.5	1.29	ppm	1.22%
Zn 213.856	40798.1	0.7545	0.01795	mg/L	37.72	0.898	ppm	2.38%

Matrix Check Sample: 2905-15 MS F=50

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9054	0.015	mg/L	90.464
Al 308.215	63.32	59.87	0.740	mg/L	-72.375
As 188.979	0.6252	0.5906	0.020	mg/L	93.067
Ba 233.527	4.112	3.767	0.033	mg/L	91.386
Be 313.107	0.1976	0.1728	0.002	mg/L	87.608
Ca 227.547	122.0	137.7	3.015	mg/L	178.336
Cd 228.802	0.2491	0.2258	0.005	mg/L	90.698
Co 228.616	1.116	0.9895	0.027	mg/L	87.317
Cr 267.716	1.488	1.299	0.017	mg/L	81.078
Cu 324.754	1.060	0.9755	0.013	mg/L	91.569
Fe 273.955	209.2	195.8	1.862	mg/L	-1242.478
K 766.491	14.39	14.36	0.364	mg/L	99.403
Mg 279.079	74.38	66.47	0.648	mg/L	20.924
Mn 257.610	4.299	4.361	0.043	mg/L	106.220
Mo 202.030	1.995	1.851	0.040	mg/L	92.811
Na 330.237	40.49	38.34	0.414	mg/L	94.614
Ni 231.604	1.519	1.389	0.013	mg/L	86.990
Pb 220.353	3.051	2.840	0.059	mg/L	92.981
Sb 206.833	0.5026	0.4245	0.017	mg/L	84.373
Se 196.026	0.5103	0.4839	0.011	mg/L	94.716
Tl 190.800	0.4947	0.4607	0.021	mg/L	93.203
V 292.402	2.352	2.110	0.026	mg/L	87.928
Zn 213.856	0.8011	0.7545	0.018	mg/L	90.668

Replicate Data -----
 ID: 2905-15 MSD F=50

Date: 04/28/03 02:59:20 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	69822.6	70243.1	0.9187 mg/L	45.93 ppm
1	Al 308.215	572329.8	571887.2	61.17 mg/L	3059 ppm
1	As 188.979	1573.6	1583.9	0.5942 mg/L	29.71 ppm
1	Ba 233.527	427324.0	427756.8	3.874 mg/L	193.7 ppm
1	Be 313.107	436152.1	438452.9	0.1770 mg/L	8.852 ppm
1	Ca 227.547	11417.2	11449.5	139.1 mg/L	6955 ppm
1	Cd 228.802	9663.7	9537.8	0.2301 mg/L	11.50 ppm
1	Co 228.616	36501.0	36429.5	1.002 mg/L	50.08 ppm
1	Cr 267.716	60834.4	60897.3	1.322 mg/L	66.08 ppm
1	Cu 324.754	112005.5	111457.0	0.9937 mg/L	49.68 ppm
1	Fe 273.955	4283905.2	4284084.9	201.1 mg/L	10060 ppm
1	K 766.491	835649.5	829562.2	14.54 mg/L	726.9 ppm
1	Mg 279.079	662408.3	663423.4	67.88 mg/L	3394 ppm
1	Mn 257.610	1911543.0	1914926.2	4.471 mg/L	223.6 ppm
1	Mo 202.030	25580.5	25694.9	1.865 mg/L	93.24 ppm
1	Na 330.237	18516.7	17282.7	39.88 mg/L	1994 ppm
1	Ni 231.604	56878.4	56931.5	1.415 mg/L	70.77 ppm
1	Pb 220.353	41803.4	41468.9	2.870 mg/L	143.5 ppm
1	Sb 206.833	1086.6	1055.9	0.4083 mg/L	20.41 ppm
1	Se 196.026	1453.5	1449.0	0.4761 mg/L	23.81 ppm
1	Tl 190.800	1424.3	1458.1	0.4623 mg/L	23.11 ppm
1	V 292.402	216184.3	215901.7	2.155 mg/L	107.8 ppm
1	Zn 213.856	40981.4	41025.1	0.7584 mg/L	37.92 ppm
2	Ag 328.068	68937.3	69357.8	0.9071 mg/L	45.35 ppm
2	Al 308.215	562131.0	561688.4	60.08 mg/L	3004 ppm
2	As 188.979	1576.1	1586.5	0.5947 mg/L	29.74 ppm
2	Ba 233.527	417996.1	418428.9	3.789 mg/L	189.5 ppm
2	Be 313.107	427540.7	429841.5	0.1736 mg/L	8.678 ppm
2	Ca 227.547	11620.6	11652.9	141.6 mg/L	7079 ppm
2	Cd 228.802	9650.3	9524.4	0.2297 mg/L	11.49 ppm
2	Co 228.616	36795.0	36723.5	1.010 mg/L	50.49 ppm
2	Cr 267.716	59759.3	59822.2	1.298 mg/L	64.92 ppm
2	Cu 324.754	109735.9	109187.4	0.9735 mg/L	48.67 ppm
2	Fe 273.955	4205916.1	4206095.8	197.5 mg/L	9874 ppm
2	K 766.491	821481.7	815394.4	14.31 mg/L	715.7 ppm
2	Mg 279.079	651178.9	652194.0	66.73 mg/L	3337 ppm
2	Mn 257.610	1871519.3	1874902.5	4.378 mg/L	218.9 ppm
2	Mo 202.030	25921.6	26036.1	1.890 mg/L	94.48 ppm
2	Na 330.237	17915.7	16681.7	38.55 mg/L	1928 ppm
2	Ni 231.604	55874.5	55927.6	1.390 mg/L	69.52 ppm
2	Pb 220.353	42004.9	41670.3	2.884 mg/L	144.2 ppm
2	Sb 206.833	1161.7	1131.0	0.4386 mg/L	21.93 ppm
2	Se 196.026	1432.8	1428.3	0.4692 mg/L	23.46 ppm
2	Tl 190.800	1459.8	1493.6	0.4734 mg/L	23.67 ppm
2	V 292.402	212449.9	212167.3	2.118 mg/L	105.9 ppm
2	Zn 213.856	41820.4	41864.1	0.7744 mg/L	38.72 ppm
3	Ag 328.068	66668.6	67089.1	0.8774 mg/L	43.87 ppm
3	Al 308.215	543010.9	542568.4	58.04 mg/L	2902 ppm
3	As 188.979	1471.2	1481.5	0.5562 mg/L	27.81 ppm
3	Ba 233.527	403136.6	403569.4	3.655 mg/L	182.7 ppm
3	Be 313.107	413890.1	416190.8	0.1680 mg/L	8.402 ppm
3	Ca 227.547	11063.1	11095.5	134.8 mg/L	6740 ppm
3	Cd 228.802	9310.7	9184.8	0.2215 mg/L	11.08 ppm
3	Co 228.616	35542.6	35471.1	0.9753 mg/L	48.76 ppm
3	Cr 267.716	58029.0	58091.9	1.261 mg/L	63.04 ppm
3	Cu 324.754	107209.2	106660.7	0.9509 mg/L	47.54 ppm
3	Fe 273.955	4073335.2	4073514.9	191.2 mg/L	9562 ppm
3	K 766.491	822385.9	816298.7	14.33 mg/L	716.5 ppm
3	Mg 279.079	627028.9	628044.0	64.26 mg/L	3213 ppm
3	Mn 257.610	1815772.9	1819156.1	4.248 mg/L	212.4 ppm
3	Mo 202.030	24910.1	25024.5	1.816 mg/L	90.81 ppm
3	Na 330.237	17450.4	16216.3	37.52 mg/L	1876 ppm
3	Ni 231.604	54373.9	54427.0	1.353 mg/L	67.66 ppm
3	Pb 220.353	40599.4	40264.8	2.787 mg/L	139.3 ppm
3	Sb 206.833	1135.2	1104.4	0.4284 mg/L	21.42 ppm

3 Se 196.026	1406.8	1402.3	0.4602 mg/L	23.01 ppm
3 Tl 190.800	1388.9	1422.7	0.4510 mg/L	22.55 ppm
3 V 292.402	205920.8	205638.2	2.053 mg/L	102.6 ppm
3 Zn 213.856	40127.9	40171.6	0.7430 mg/L	37.15 ppm

Mean Data

ID: 2905-15 MSD F=50

Seq. No.: 75

Sample No.: 51

A/S Pos: 60

Sample Qty: 1.0000 mL

Prep. Vol.: 1.0 mL

Dilution: 1.0: 50.0

Data: Original

Date: 04/28/03 02:59:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	68896.7	0.9011	0.02128	mg/L	45.05	1.064	ppm	2.36%
Al 308.215	558714.7	59.77	1.592	mg/L	2988	79.6	ppm	2.66%
As 188.979	1550.6	0.5817	0.02208	mg/L	29.09	1.104	ppm	3.80%
Ba 233.527	416585.1	3.773	0.1104	mg/L	188.6	5.52	ppm	2.93%
Be 313.107	428161.7	0.1729	0.00453	mg/L	8.644	0.2266	ppm	2.62%
Ca 227.547	11399.3	138.5	3.43	mg/L	6925	171.4	ppm	2.47%
Cd 228.802	9415.7	0.2271	0.00483	mg/L	11.36	0.241	ppm	2.12%
Co 228.616	36208.1	0.9956	0.01801	mg/L	49.78	0.900	ppm	1.81%
Cr 267.716	59603.8	1.294	0.0307	mg/L	64.68	1.536	ppm	2.37%
Cu 324.754	109101.7	0.9727	0.02143	mg/L	48.63	1.072	ppm	2.20%
Fe 273.955	4187898.5	196.6	5.00	mg/L	9831	249.9	ppm	2.54%
K 766.491	820418.4	14.39	0.125	mg/L	719.7	6.25	ppm	0.87%
Mg 279.079	647887.2	66.29	1.850	mg/L	3315	92.5	ppm	2.79%
Mn 257.610	1869661.6	4.366	0.1123	mg/L	218.3	5.62	ppm	2.57%
Mo 202.030	25585.2	1.857	0.0374	mg/L	92.84	1.868	ppm	2.01%
Na 330.237	16726.9	38.65	1.180	mg/L	1933	59.0	ppm	3.05%
Ni 231.604	55762.0	1.386	0.0313	mg/L	69.32	1.567	ppm	2.26%
Pb 220.353	41134.7	2.847	0.0526	mg/L	142.4	2.63	ppm	1.85%
Sb 206.833	1097.1	0.4251	0.01542	mg/L	21.25	0.771	ppm	3.63%
Se 196.026	1426.5	0.4685	0.00800	mg/L	23.42	0.400	ppm	1.71%
Tl 190.800	1458.1	0.4622	0.01119	mg/L	23.11	0.560	ppm	2.42%
V 292.402	211235.7	2.109	0.0519	mg/L	105.4	2.59	ppm	2.46%
Zn 213.856	41020.3	0.7586	0.01570	mg/L	37.93	0.785	ppm	2.07%

Matrix Check Sample: 2905-15 MSD F=50

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9011	0.021	mg/L	90.030
Al 308.215	63.32	59.77	1.592	mg/L	-77.692
As 188.979	0.6252	0.5817	0.022	mg/L	91.297
Ba 233.527	4.112	3.773	0.110	mg/L	91.522
Be 313.107	0.1976	0.1729	0.005	mg/L	87.625
Ca 227.547	122.0	138.5	3.427	mg/L	182.338
Cd 228.802	0.2491	0.2271	0.005	mg/L	91.223
Co 228.616	1.116	0.9956	0.018	mg/L	87.920
Cr 267.716	1.488	1.294	0.031	mg/L	80.527
Cu 324.754	1.060	0.9727	0.021	mg/L	91.284
Fe 273.955	209.2	196.6	4.998	mg/L	-1156.617
K 766.491	14.39	14.39	0.125	mg/L	99.994
Mg 279.079	74.38	66.29	1.850	mg/L	19.138
Mn 257.610	4.299	4.366	0.112	mg/L	106.681
Mo 202.030	1.995	1.857	0.037	mg/L	93.119
Na 330.237	40.49	38.65	1.180	mg/L	95.392
Ni 231.604	1.519	1.386	0.031	mg/L	86.747
Pb 220.353	3.051	2.847	0.053	mg/L	93.213
Sb 206.833	0.5026	0.4251	0.015	mg/L	84.489
Se 196.026	0.5103	0.4685	0.008	mg/L	91.641
Tl 190.800	0.4947	0.4622	0.011	mg/L	93.510
V 292.402	2.352	2.109	0.052	mg/L	87.834
Zn 213.856	0.8011	0.7586	0.016	mg/L	91.492

Replicate Data

ID: 2905-15 PS F=50

Date: 04/28/03 03:02:01 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	69949.1	70369.6	0.9203 mg/L	46.02 ppm
1 Al 308.215	575229.3	574786.8	61.48 mg/L	3074 ppm

3779

1 As 188.979	1618.4	1628.7	0.6109 mg/L	30.55 ppm
1 Ba 233.527	418335.1	418768.0	3.792 mg/L	189.6 ppm
1 Be 313.107	429869.8	432170.6	0.1745 mg/L	8.725 ppm
1 Ca 227.547	10039.1	10071.4	122.4 mg/L	6118 ppm
1 Cd 228.802	10123.2	9997.3	0.2411 mg/L	12.06 ppm
1 Co 228.616	37945.8	37874.3	1.041 mg/L	52.07 ppm
1 Cr 267.716	64858.6	64921.5	1.409 mg/L	70.47 ppm
1 Cu 324.754	110720.9	110172.4	0.9825 mg/L	49.13 ppm
1 Fe 273.955	4326819.9	4326999.6	203.2 mg/L	10160 ppm
1 K 766.491	867903.3	861816.0	15.04 mg/L	752.2 ppm
1 Mg 279.079	696833.9	697849.0	71.40 mg/L	3570 ppm
1 Mn 257.610	1731981.3	1735364.6	4.052 mg/L	202.6 ppm
1 Mo 202.030	26866.8	26981.2	1.958 mg/L	97.92 ppm
1 Na 330.237	17915.7	16681.7	38.55 mg/L	1928 ppm
1 Ni 231.604	57118.3	57171.4	1.421 mg/L	71.07 ppm
1 Pb 220.353	43170.4	42835.8	2.966 mg/L	148.3 ppm
1 Sb 206.833	1288.9	1258.1	0.4886 mg/L	24.43 ppm
1 Se 196.026	1545.7	1541.3	0.5045 mg/L	25.22 ppm
1 Tl 190.800	1513.8	1547.6	0.4909 mg/L	24.55 ppm
1 V 292.402	215895.9	215613.3	2.153 mg/L	107.6 ppm
1 Zn 213.856	42676.2	42719.9	0.7901 mg/L	39.51 ppm
2 Ag 328.068	68083.3	68503.8	0.8959 mg/L	44.80 ppm
2 Al 308.215	570799.9	570357.4	61.01 mg/L	3051 ppm
2 As 188.979	1615.4	1625.7	0.6095 mg/L	30.48 ppm
2 Ba 233.527	412029.9	412462.7	3.735 mg/L	186.8 ppm
2 Be 313.107	424168.9	426469.6	0.1722 mg/L	8.610 ppm
2 Ca 227.547	9739.3	9771.7	118.7 mg/L	5936 ppm
2 Cd 228.802	9784.9	9659.0	0.2330 mg/L	11.65 ppm
2 Co 228.616	36895.5	36824.0	1.012 mg/L	50.62 ppm
2 Cr 267.716	63800.4	63863.4	1.386 mg/L	69.32 ppm
2 Cu 324.754	109353.5	108805.0	0.9703 mg/L	48.52 ppm
2 Fe 273.955	4270945.4	4271125.1	200.5 mg/L	10030 ppm
2 K 766.491	888950.8	882863.6	15.37 mg/L	768.6 ppm
2 Mg 279.079	686041.0	687056.1	70.30 mg/L	3515 ppm
2 Mn 257.610	1708466.8	1711850.0	3.997 mg/L	199.9 ppm
2 Mo 202.030	26345.0	26459.5	1.920 mg/L	96.02 ppm
2 Na 330.237	17850.9	16616.9	38.41 mg/L	1920 ppm
2 Ni 231.604	56318.9	56372.0	1.401 mg/L	70.07 ppm
2 Pb 220.353	42265.3	41930.8	2.903 mg/L	145.2 ppm
2 Sb 206.833	1237.0	1206.3	0.4681 mg/L	23.40 ppm
2 Se 196.026	1550.6	1546.1	0.5055 mg/L	25.27 ppm
2 Tl 190.800	1437.5	1471.3	0.4664 mg/L	23.32 ppm
2 V 292.402	213414.2	213131.6	2.128 mg/L	106.4 ppm
2 Zn 213.856	41433.7	41477.4	0.7669 mg/L	38.35 ppm
3 Ag 328.068	68680.0	69100.5	0.9037 mg/L	45.19 ppm
3 Al 308.215	574415.7	573973.2	61.40 mg/L	3070 ppm
3 As 188.979	1587.5	1597.9	0.5997 mg/L	29.98 ppm
3 Ba 233.527	414256.9	414689.8	3.756 mg/L	187.8 ppm
3 Be 313.107	425903.9	428204.6	0.1729 mg/L	8.645 ppm
3 Ca 227.547	9824.1	9856.4	119.8 mg/L	5988 ppm
3 Cd 228.802	9814.0	9688.1	0.2337 mg/L	11.68 ppm
3 Co 228.616	36957.9	36886.4	1.014 mg/L	50.71 ppm
3 Cr 267.716	64359.2	64422.1	1.398 mg/L	69.92 ppm
3 Cu 324.754	110038.6	109490.1	0.9764 mg/L	48.82 ppm
3 Fe 273.955	4294732.4	4294912.1	201.6 mg/L	10080 ppm
3 K 766.491	880602.0	874514.8	15.24 mg/L	762.1 ppm
3 Mg 279.079	691225.2	692240.4	70.83 mg/L	3541 ppm
3 Mn 257.610	1717317.3	1720700.5	4.018 mg/L	200.9 ppm
3 Mo 202.030	26342.8	26457.2	1.920 mg/L	96.01 ppm
3 Na 330.237	17786.1	16552.1	38.26 mg/L	1913 ppm
3 Ni 231.604	56859.4	56912.5	1.415 mg/L	70.75 ppm
3 Pb 220.353	42416.5	42082.0	2.914 mg/L	145.7 ppm
3 Sb 206.833	1313.3	1282.5	0.4985 mg/L	24.93 ppm
3 Se 196.026	1559.2	1554.7	0.5083 mg/L	25.42 ppm
3 Tl 190.800	1453.0	1486.8	0.4718 mg/L	23.59 ppm
3 V 292.402	215475.4	215192.8	2.148 mg/L	107.4 ppm
3 Zn 213.856	41581.6	41625.3	0.7697 mg/L	38.48 ppm

Mean Data

ID: 2905-15 PS F=50

Sample Qty: 1.0000 mL

Seq. No.: 76

Prep. Vol.:

Sample No.: 52

1.0 mL

A/S Pos: 61

Dilution:

1.0:

35980

Data: Original

Date: 04/28/03 03:02:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	69324.6	0.9067	0.01246	mg/L	45.33	0.623	ppm	1.37%
Al 308.215	573039.1	61.30	0.252	mg/L	3065	12.6	ppm	0.41%
As 188.979	1617.4	0.6067	0.00614	mg/L	30.33	0.307	ppm	1.01%
Ba 233.527	415306.8	3.761	0.0290	mg/L	188.1	1.45	ppm	0.77%
Be 313.107	428948.3	0.1732	0.00118	mg/L	8.660	0.0590	ppm	0.68%
Ca 227.547	9899.8	120.3	1.88	mg/L	6014	93.9	ppm	1.56%
Cd 228.802	9781.5	0.2359	0.00452	mg/L	11.80	0.226	ppm	1.92%
Co 228.616	37194.9	1.023	0.0162	mg/L	51.13	0.810	ppm	1.58%
Cr 267.716	64402.3	1.398	0.0115	mg/L	69.90	0.575	ppm	0.82%
Cu 324.754	109489.2	0.9764	0.00610	mg/L	48.82	0.305	ppm	0.62%
Fe 273.955	4297678.9	201.8	1.32	mg/L	10090	65.8	ppm	0.65%
K 766.491	873064.8	15.22	0.165	mg/L	761.0	8.27	ppm	1.09%
Mg 279.079	692381.8	70.84	0.552	mg/L	3542	27.6	ppm	0.78%
Mn 257.610	1722638.4	4.022	0.0277	mg/L	201.1	1.39	ppm	0.69%
Mo 202.030	26632.6	1.933	0.0219	mg/L	96.65	1.097	ppm	1.14%
Na 330.237	16616.9	38.41	0.143	mg/L	1920	7.2	ppm	0.37%
Ni 231.604	56818.7	1.413	0.0101	mg/L	70.63	0.507	ppm	0.72%
Pb 220.353	42282.9	2.928	0.0336	mg/L	146.4	1.68	ppm	1.15%
Sb 206.833	1249.0	0.4851	0.01552	mg/L	24.25	0.776	ppm	3.20%
Se 196.026	1547.4	0.5061	0.00198	mg/L	25.30	0.099	ppm	0.39%
Tl 190.800	1501.9	0.4764	0.01290	mg/L	23.82	0.645	ppm	2.71%
V 292.402	214645.9	2.143	0.0133	mg/L	107.1	0.66	ppm	0.62%
Zn 213.856	41940.9	0.7756	0.01266	mg/L	38.78	0.633	ppm	1.63%

Matrix Check Sample: 2905-15 PS F=50

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.001	0.9067	0.012	mg/L	90.590
Al 308.215	63.32	61.30	0.252	mg/L	-1.078
As 188.979	0.6252	0.6067	0.006	mg/L	96.293
Ba 233.527	4.112	3.761	0.029	mg/L	91.237
Be 313.107	0.1976	0.1732	0.001	mg/L	87.784
Ca 227.547	122.0	120.3	1.877	mg/L	91.249
Cd 228.802	0.2491	0.2359	0.005	mg/L	94.753
Co 228.616	1.116	1.023	0.016	mg/L	90.634
Cr 267.716	1.488	1.398	0.012	mg/L	90.970
Cu 324.754	1.060	0.9764	0.006	mg/L	91.661
Fe 273.955	209.2	201.8	1.316	mg/L	-641.123
K 766.491	14.39	15.22	0.165	mg/L	116.506
Mg 279.079	74.38	70.84	0.552	mg/L	64.664
Mn 257.610	4.299	4.022	0.028	mg/L	72.352
Mo 202.030	1.995	1.933	0.022	mg/L	96.924
Na 330.237	40.49	38.41	0.143	mg/L	94.786
Ni 231.604	1.519	1.413	0.010	mg/L	89.374
Pb 220.353	3.051	2.928	0.034	mg/L	95.901
Sb 206.833	0.5026	0.4851	0.016	mg/L	96.489
Se 196.026	0.5103	0.5061	0.002	mg/L	99.164
Tl 190.800	0.4947	0.4764	0.013	mg/L	96.343
V 292.402	2.352	2.143	0.013	mg/L	89.543
Zn 213.856	0.8011	0.7756	0.013	mg/L	94.889

Replicate Data

ID: CCV 1447B

Date: 04/28/03 03:04:39 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	74593.0	75013.5	0.9811 mg/L	
1	Al 308.215	47482.4	47039.8	5.032 mg/L	
1	As 188.979	1383.7	1394.0	0.5034 mg/L	
1	Ba 233.527	545410.6	545843.4	4.936 mg/L	
1	Be 313.107	1229235.3	1231536.0	0.4973 mg/L	
1	Ca 227.547	4130.5	4162.8	50.58 mg/L	
1	Cd 228.802	40989.6	40863.7	0.9857 mg/L	
1	Co 228.616	72641.0	72569.6	1.995 mg/L	
1	Cr 267.716	22172.9	22235.8	0.4846 mg/L	
1	Cu 324.754	225132.4	224583.9	1.974 mg/L	

3781

1 Fe 273.955	105823.2	106002.9	4.967 mg/L
1 K 766.491	885084.5	878997.3	15.31 mg/L
1 Mg 279.079	239541.2	240556.3	24.61 mg/L
1 Mn 257.610	845758.4	849141.6	1.983 mg/L
1 Mo 202.030	26477.3	26591.7	1.935 mg/L
1 Na 330.237	48435.7	47201.7	102.8 mg/L
1 Ni 231.604	80695.8	80748.9	2.008 mg/L
1 Pb 220.353	7628.0	7293.4	0.5053 mg/L
1 Sb 206.833	5088.3	5057.5	2.026 mg/L
1 Se 196.026	1647.5	1643.0	0.4988 mg/L
1 Tl 190.800	1532.7	1566.5	0.4955 mg/L
1 V 292.402	200997.6	200715.0	1.989 mg/L
1 Zn 213.856	108247.5	108291.2	2.031 mg/L

2 Ag 328.068	70357.2	70777.7	0.9257 mg/L
2 Al 308.215	44676.0	44233.5	4.732 mg/L
2 As 188.979	1295.7	1306.0	0.4717 mg/L
2 Ba 233.527	513580.2	514013.0	4.648 mg/L
2 Be 313.107	1157546.7	1159847.4	0.4683 mg/L
2 Ca 227.547	3845.9	3878.3	47.12 mg/L
2 Cd 228.802	38825.6	38699.7	0.9335 mg/L
2 Co 228.616	68887.3	68815.9	1.892 mg/L
2 Cr 267.716	20996.3	21059.2	0.4589 mg/L
2 Cu 324.754	211802.3	211253.8	1.857 mg/L
2 Fe 273.955	100027.9	100207.5	4.695 mg/L
2 K 766.491	831789.2	825701.9	14.48 mg/L
2 Mg 279.079	227406.4	228421.5	23.37 mg/L
2 Mn 257.610	798314.1	801697.3	1.872 mg/L
2 Mo 202.030	25299.5	25413.9	1.850 mg/L
2 Na 330.237	45694.4	44460.4	97.30 mg/L
2 Ni 231.604	76434.9	76488.0	1.902 mg/L
2 Pb 220.353	7268.9	6934.4	0.4805 mg/L
2 Sb 206.833	4843.9	4813.2	1.928 mg/L
2 Se 196.026	1552.5	1548.1	0.4700 mg/L
2 Tl 190.800	1495.7	1529.5	0.4837 mg/L
2 V 292.402	189001.5	188718.9	1.870 mg/L
2 Zn 213.856	102684.0	102727.7	1.926 mg/L

3 Ag 328.068	70744.6	71165.1	0.9307 mg/L
3 Al 308.215	45337.4	44894.8	4.802 mg/L
3 As 188.979	1365.5	1375.8	0.4968 mg/L
3 Ba 233.527	518905.2	519338.1	4.697 mg/L
3 Be 313.107	1171105.2	1173406.0	0.4738 mg/L
3 Ca 227.547	3995.4	4027.7	48.94 mg/L
3 Cd 228.802	39606.7	39480.8	0.9523 mg/L
3 Co 228.616	69683.8	69612.3	1.914 mg/L
3 Cr 267.716	21474.7	21537.6	0.4694 mg/L
3 Cu 324.754	214109.2	213560.7	1.877 mg/L
3 Fe 273.955	100909.2	101088.9	4.736 mg/L
3 K 766.491	839086.8	832999.5	14.59 mg/L
3 Mg 279.079	229279.1	230294.2	23.56 mg/L
3 Mn 257.610	806491.4	809874.6	1.891 mg/L
3 Mo 202.030	25821.7	25936.1	1.888 mg/L
3 Na 330.237	46224.8	44990.8	98.37 mg/L
3 Ni 231.604	77287.1	77340.2	1.923 mg/L
3 Pb 220.353	7505.2	7170.7	0.4968 mg/L
3 Sb 206.833	4987.2	4956.5	1.985 mg/L
3 Se 196.026	1642.9	1638.4	0.4974 mg/L
3 Tl 190.800	1575.2	1609.0	0.5087 mg/L
3 V 292.402	191663.5	191380.9	1.896 mg/L
3 Zn 213.856	103828.9	103872.6	1.948 mg/L

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 77

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 5

1.0 L

A/S Pos: 6

Dilution:

1.0:

1.0

Date: 04/28/03

03:04:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	72318.7	0.9458	0.03063	mg/L				3.24%
Al 308.215	45389.4	4.855	0.1569	mg/L				3.23%
As 188.979	1358.6	0.4907	0.01676	mg/L				3.42%
Ba 233.527	526398.2	4.760	0.1542	mg/L				3.37%

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Be 313.107	1188263.1	0.4798	0.01538 mg/L	3.20%
Ca 227.547	4022.9	48.88	1.729 mg/L	3.54%
Cd 228.802	39681.4	0.9572	0.02643 mg/L	2.76%
Co 228.616	70332.6	1.934	0.0544 mg/L	2.81%
Cr 267.716	21610.9	0.4710	0.01290 mg/L	2.74%
Cu 324.754	216466.1	1.903	0.0626 mg/L	3.29%
Fe 273.955	102433.1	4.799	0.1463 mg/L	3.05%
K 766.491	845899.6	14.79	0.453 mg/L	3.06%
Mg 279.079	233090.7	23.85	0.668 mg/L	2.80%
Mn 257.610	820237.9	1.915	0.0592 mg/L	3.09%
Mo 202.030	25980.6	1.891	0.0430 mg/L	2.27%
Na 330.237	45551.0	99.50	2.938 mg/L	2.95%
Ni 231.604	78192.4	1.944	0.0561 mg/L	2.88%
Pb 220.353	7132.8	0.4942	0.01265 mg/L	2.56%
Sb 206.833	4942.4	1.980	0.0492 mg/L	2.48%
Se 196.026	1609.8	0.4887	0.01625 mg/L	3.33%
Tl 190.800	1568.3	0.4960	0.01252 mg/L	2.52%
V 292.402	193604.9	1.918	0.0624 mg/L	3.25%
Zn 213.856	104963.8	1.968	0.0551 mg/L	2.80%

Replicate Data -----

ID: CCB

Date: 04/28/03 03:07:29 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-353.5	67.0	0.0009 mg/L	
1	Al 308.215	433.7	-8.8	-0.0009 mg/L	
1	As 188.979	-17.2	-6.9	-0.0025 mg/L	
1	Ba 233.527	-384.9	48.0	0.0004 mg/L	
1	Be 313.107	-2456.3	-155.6	-0.0001 mg/L	
1	Ca 227.547	-38.0	-5.7	-0.0692 mg/L	
1	Cd 228.802	122.7	-3.2	-0.0001 mg/L	
1	Co 228.616	87.4	15.9	0.0004 mg/L	
1	Cr 267.716	-61.9	1.0	0.0000 mg/L	
1	Cu 324.754	592.9	44.4	0.0004 mg/L	
1	Fe 273.955	-164.7	15.0	0.0007 mg/L	
1	K 766.491	6285.8	198.5	0.0743 mg/L	
1	Mg 279.079	-1080.7	-65.6	-0.0067 mg/L	
1	Mn 257.610	-3179.4	203.8	0.0005 mg/L	
1	Mo 202.030	-98.3	16.1	0.0012 mg/L	
1	Na 330.237	1180.0	-54.0	0.4960 mg/L	
1	Ni 231.604	-36.1	17.0	0.0004 mg/L	
1	Pb 220.353	302.4	-32.1	-0.0022 mg/L	
1	Sb 206.833	32.4	1.6	0.0006 mg/L	
1	Se 196.026	3.1	-1.3	-0.0004 mg/L	
1	Tl 190.800	-26.0	7.9	0.0025 mg/L	
1	V 292.402	89.9	-192.7	-0.0019 mg/L	
1	Zn 213.856	-42.8	0.9	0.0000 mg/L	
2	Ag 328.068	-361.8	58.7	0.0008 mg/L	
2	Al 308.215	505.8	63.3	0.0068 mg/L	
2	As 188.979	-12.2	-1.9	-0.0007 mg/L	
2	Ba 233.527	-398.8	34.1	0.0003 mg/L	
2	Be 313.107	-2243.9	56.8	0.0000 mg/L	
2	Ca 227.547	-36.5	-4.2	-0.0504 mg/L	
2	Cd 228.802	120.2	-5.7	-0.0001 mg/L	
2	Co 228.616	69.3	-2.2	-0.0001 mg/L	
2	Cr 267.716	-54.9	8.0	0.0002 mg/L	
2	Cu 324.754	511.6	-36.9	-0.0003 mg/L	
2	Fe 273.955	-157.5	22.1	0.0010 mg/L	
2	K 766.491	5756.6	-330.7	0.0640 mg/L	
2	Mg 279.079	-1041.1	-26.0	-0.0027 mg/L	
2	Mn 257.610	-3206.3	176.9	0.0004 mg/L	
2	Mo 202.030	-97.6	16.9	0.0012 mg/L	
2	Na 330.237	1165.0	-69.1	0.4607 mg/L	
2	Ni 231.604	-53.0	0.1	0.0000 mg/L	
2	Pb 220.353	315.1	-19.4	-0.0013 mg/L	
2	Sb 206.833	14.7	-16.0	-0.0064 mg/L	
2	Se 196.026	3.1	-1.4	-0.0004 mg/L	
2	Tl 190.800	-26.2	7.6	0.0024 mg/L	
2	V 292.402	319.2	36.6	0.0004 mg/L	
2	Zn 213.856	-50.2	-6.5	-0.0001 mg/L	

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3	Ag	328.068	-330.4	90.1	0.0012	mg/L
3	Al	308.215	342.5	-100.1	-0.0107	mg/L
3	As	188.979	-20.7	-10.4	-0.0037	mg/L
3	Ba	233.527	-411.5	21.4	0.0002	mg/L
3	Be	313.107	-2002.0	298.8	0.0001	mg/L
3	Ca	227.547	-35.6	-3.3	-0.0395	mg/L
3	Cd	228.802	131.0	5.1	0.0001	mg/L
3	Co	228.616	69.7	-1.8	0.0000	mg/L
3	Cr	267.716	-61.6	1.3	0.0000	mg/L
3	Cu	324.754	551.8	3.3	0.0000	mg/L
3	Fe	273.955	-167.5	12.2	0.0006	mg/L
3	K	766.491	5953.3	-134.0	0.0678	mg/L
3	Mg	279.079	-912.4	102.7	0.0105	mg/L
3	Mn	257.610	-3217.6	165.6	0.0004	mg/L
3	Mo	202.030	-99.8	14.6	0.0011	mg/L
3	Na	330.237	894.9	-339.1	-0.1726	mg/L
3	Ni	231.604	-39.4	13.7	0.0003	mg/L
3	Pb	220.353	314.9	-19.7	-0.0014	mg/L
3	Sb	206.833	33.7	2.9	0.0012	mg/L
3	Se	196.026	-2.5	-6.9	-0.0021	mg/L
3	Tl	190.800	-27.5	6.3	0.0020	mg/L
3	V	292.402	310.1	27.5	0.0003	mg/L
3	Zn	213.856	-58.4	-14.7	-0.0003	mg/L

Mean Data

ID: CCB	Seq. No.: 78	Sample No.: 6	A/S Pos: 1
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0: 1.0	
	Data: Original	Date: 04/28/03	03:07:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	71.9	0.0009	0.00021	mg/L				22.63%
Al 308.215	-15.2	-0.0016	0.00876	mg/L				537.83%
As 188.979	-6.4	-0.0023	0.00154	mg/L				67.05%
Ba 233.527	34.5	0.0003	0.00012	mg/L				38.55%
Be 313.107	66.7	0.0000	0.00009	mg/L				340.94%
Ca 227.547	-4.4	-0.0530	0.01502	mg/L				28.31%
Cd 228.802	-1.3	0.0000	0.00014	mg/L				451.68%
Co 228.616	4.0	0.0001	0.00028	mg/L				259.59%
Cr 267.716	3.4	0.0001	0.00009	mg/L				116.12%
Cu 324.754	3.6	0.0000	0.00036	mg/L				>999.9%
Fe 273.955	16.4	0.0008	0.00024	mg/L				31.28%
K 766.491	-88.7	0.0687	0.00523	mg/L				7.61%
Mg 279.079	3.7	0.0004	0.00900	mg/L				>999.9%
Mn 257.610	182.1	0.0004	0.00005	mg/L				10.79%
Mo 202.030	15.9	0.0012	0.00008	mg/L				7.09%
Na 330.237	-154.1	0.2614	0.37619	mg/L				143.94%
Ni 231.604	10.2	0.0003	0.00022	mg/L				87.53%
Pb 220.353	-23.7	-0.0016	0.00050	mg/L				30.58%
Sb 206.833	-3.8	-0.0015	0.00423	mg/L				276.30%
Se 196.026	-3.2	-0.0010	0.00098	mg/L				100.91%
Tl 190.800	7.3	0.0023	0.00026	mg/L				11.45%
V 292.402	-42.9	-0.0004	0.00129	mg/L				302.76%
Zn 213.856	-6.8	-0.0001	0.00015	mg/L				115.51%

Replicate Data

ID: 2905-1 F=50

Date: 04/28/03 03:10:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-271.9	148.6	0.0019	mg/L	0.0972	ppm
1	Al 308.215	1110315.2	1109872.6	118.7	mg/L	5936	ppm
1	As 188.979	149.5	159.8	0.0823	mg/L	4.115	ppm
1	Ba 233.527	67022.8	67455.6	0.6162	mg/L	30.81	ppm
1	Be 313.107	-12577.1	-10276.4	-0.0041	mg/L	-0.2075	ppm
1	Ca 227.547	12502.6	12534.9	150.1	mg/L	7505	ppm
1	Cd 228.802	236.1	110.2	0.0027	mg/L	0.1329	ppm
1	Co 228.616	4977.4	4905.9	0.1349	mg/L	6.744	ppm
1	Cr 267.716	32317.8	32380.7	0.6994	mg/L	34.97	ppm
1	Cu 324.754	36844.1	36295.6	0.3352	mg/L	16.76	ppm
1	Fe 273.955	4965782.7	4965962.3	233.2	mg/L	11660	ppm

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1 K 766.491	807765.2	801678.0	14.10 mg/L	704.9 ppm
1 Mg 279.079	681924.8	682940.0	69.88 mg/L	3494 ppm
1 Mn 257.610	1362175.6	1365558.8	3.188 mg/L	159.4 ppm
1 Mo 202.030	-116.4	-2.0	-0.0063 mg/L	-0.3170 ppm
1 Na 330.237	2045.7	811.7	2.521 mg/L	126.1 ppm
1 Ni 231.604	25844.3	25897.4	0.6438 mg/L	32.19 ppm
1 Pb 220.353	5993.9	5659.4	0.3926 mg/L	19.63 ppm
1 Sb 206.833	130.7	99.9	0.0218 mg/L	1.090 ppm
1 Se 196.026	-146.6	-151.0	-0.0039 mg/L	-0.1940 ppm
1 Tl 190.800	-40.8	-7.0	-0.0007 mg/L	-0.0335 ppm
1 V 292.402	51722.4	51439.8	0.5283 mg/L	26.42 ppm
1 Zn 213.856	60804.1	60847.8	1.128 mg/L	56.42 ppm

2 Ag 328.068	-213.1	207.4	0.0027 mg/L	0.1356 ppm
2 Al 308.215	1063888.2	1063445.7	113.8 mg/L	5688 ppm
2 As 188.979	112.2	122.6	0.0690 mg/L	3.448 ppm
2 Ba 233.527	64468.7	64901.5	0.5931 mg/L	29.66 ppm
2 Be 313.107	-12274.0	-9973.3	-0.0040 mg/L	-0.2013 ppm
2 Ca 227.547	12857.1	12889.4	154.4 mg/L	7721 ppm
2 Cd 228.802	209.9	84.0	0.0020 mg/L	0.1013 ppm
2 Co 228.616	4998.3	4926.8	0.1355 mg/L	6.773 ppm
2 Cr 267.716	32632.3	32695.2	0.7062 mg/L	35.31 ppm
2 Cu 324.754	35104.8	34556.3	0.3199 mg/L	15.99 ppm
2 Fe 273.955	4970393.3	4970572.9	233.4 mg/L	11670 ppm
2 K 766.491	775436.3	769349.1	13.58 mg/L	679.2 ppm
2 Mg 279.079	656028.1	657043.2	67.23 mg/L	3361 ppm
2 Mn 257.610	1305746.9	1309130.1	3.057 mg/L	152.8 ppm
2 Mo 202.030	-109.4	5.0	-0.0058 mg/L	-0.2918 ppm
2 Na 330.237	2178.4	944.4	2.831 mg/L	141.5 ppm
2 Ni 231.604	26390.7	26443.8	0.6574 mg/L	32.87 ppm
2 Pb 220.353	5976.1	5641.5	0.3909 mg/L	19.54 ppm
2 Sb 206.833	49.3	18.5	-0.0108 mg/L	-0.5408 ppm
2 Se 196.026	-117.4	-121.9	0.0050 mg/L	0.2510 ppm
2 Tl 190.800	-47.3	-13.5	-0.0027 mg/L	-0.1368 ppm
2 V 292.402	49602.9	49320.3	0.5073 mg/L	25.37 ppm
2 Zn 213.856	58428.3	58472.0	1.084 mg/L	54.19 ppm

3 Ag 328.068	-304.8	115.7	0.0015 mg/L	0.0757 ppm
3 Al 308.215	1061203.9	1060761.3	113.5 mg/L	5673 ppm
3 As 188.979	129.9	140.2	0.0749 mg/L	3.746 ppm
3 Ba 233.527	63390.5	63823.3	0.5834 mg/L	29.17 ppm
3 Be 313.107	-12202.7	-9901.9	-0.0040 mg/L	-0.1999 ppm
3 Ca 227.547	11398.0	11430.3	136.7 mg/L	6835 ppm
3 Cd 228.802	161.2	35.3	0.0009 mg/L	0.0425 ppm
3 Co 228.616	4659.7	4588.2	0.1262 mg/L	6.308 ppm
3 Cr 267.716	29724.1	29787.0	0.6429 mg/L	32.14 ppm
3 Cu 324.754	35156.1	34607.6	0.3203 mg/L	16.01 ppm
3 Fe 273.955	4949388.2	4949567.8	232.4 mg/L	11620 ppm
3 K 766.491	797799.3	791712.0	13.94 mg/L	697.0 ppm
3 Mg 279.079	648155.8	649170.9	66.42 mg/L	3321 ppm
3 Mn 257.610	1291729.7	1295112.9	3.024 mg/L	151.2 ppm
3 Mo 202.030	-82.5	31.9	-0.0039 mg/L	-0.1925 ppm
3 Na 330.237	2157.4	923.4	2.782 mg/L	139.1 ppm
3 Ni 231.604	24041.1	24094.2	0.5990 mg/L	29.95 ppm
3 Pb 220.353	5639.4	5304.8	0.3677 mg/L	18.38 ppm
3 Sb 206.833	68.1	37.4	-0.0029 mg/L	-0.1452 ppm
3 Se 196.026	-98.1	-102.6	0.0107 mg/L	0.5350 ppm
3 Tl 190.800	-83.9	-50.1	-0.0142 mg/L	-0.7121 ppm
3 V 292.402	49467.5	49184.9	0.5059 mg/L	25.30 ppm
3 Zn 213.856	58347.4	58391.1	1.082 mg/L	54.12 ppm

Mean Data

ID: 2905-1 F=50

Sample Qty: 1.0000 mL

Seq. No.: 79

Prep. Vol.:

Data: Original

Sample No.: 53

1.0 mL

A/S Pos: 62

Dilution:

Date: 04/28/03 03:10:43 PM

1.0: 50.0

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	157.2	0.0021	0.00061	mg/L	0.1028	0.03036	ppm	29.54%
Al 308.215	1078026.5	115.3	2.95	mg/L	5766	147.7	ppm	2.56%
As 188.979	140.9	0.0754	0.00668	mg/L	3.770	0.3340	ppm	8.86%
Ba 233.527	65393.5	0.5976	0.01688	mg/L	29.88	0.844	ppm	2.82%
Be 313.107	-10050.5	-0.0041	0.00008	mg/L	-0.2029	0.00401	ppm	1.98%

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Ca 227.547	12284.9	147.1	9.24 mg/L	7354	462.1 ppm	6.28%
Cd 228.802	76.5	0.0018	0.00092 mg/L	0.0923	0.04587 ppm	49.71%
Co 228.616	4807.0	0.1322	0.00522 mg/L	6.608	0.2609 ppm	3.95%
Cr 267.716	31621.0	0.6828	0.03477 mg/L	34.14	1.738 ppm	5.09%
Cu 324.754	35153.2	0.3251	0.00871 mg/L	16.25	0.436 ppm	2.68%
Fe 273.955	4962034.4	233.0	0.52 mg/L	11650	25.9 ppm	0.22%
K 766.491	787579.7	13.87	0.263 mg/L	693.7	13.16 ppm	1.90%
Mg 279.079	663051.3	67.84	1.808 mg/L	3392	90.4 ppm	2.66%
Mn 257.610	1323267.3	3.090	0.0871 mg/L	154.5	4.35 ppm	2.82%
Mo 202.030	11.7	-0.0053	0.00132 mg/L	-0.2671	0.06581 ppm	24.64%
Na 330.237	893.2	2.711	0.1665 mg/L	135.6	8.33 ppm	6.14%
Ni 231.604	25478.5	0.6334	0.03057 mg/L	31.67	1.528 ppm	4.83%
Pb 220.353	5535.2	0.3837	0.01389 mg/L	19.19	0.695 ppm	3.62%
Sb 206.833	51.9	0.0027	0.01701 mg/L	0.1347	0.85073 ppm	631.50%
Se 196.026	-125.2	0.0039	0.00735 mg/L	0.1974	0.36747 ppm	186.19%
Tl 190.800	-23.5	-0.0059	0.00731 mg/L	-0.2941	0.36561 ppm	124.31%
V 292.402	49981.7	0.5139	0.01254 mg/L	25.69	0.627 ppm	2.44%
Zn 213.856	59237.0	1.098	0.0262 mg/L	54.91	1.308 ppm	2.38%

Replicate Data

ID: 2905-2 F=50

Date: 04/28/03 03:13:22 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-246.2	174.3	0.0023 mg/L	0.1140 ppm
1	Al 308.215	745693.3	745250.7	79.72 mg/L	3986 ppm
1	As 188.979	81.5	91.9	0.0525 mg/L	2.626 ppm
1	Ba 233.527	51398.9	51831.7	0.4687 mg/L	23.44 ppm
1	Be 313.107	-7577.8	-5277.1	-0.0021 mg/L	-0.1065 ppm
1	Ca 227.547	4283.7	4316.1	52.44 mg/L	2622 ppm
1	Cd 228.802	194.8	68.9	0.0017 mg/L	0.0831 ppm
1	Co 228.616	3924.7	3853.2	0.1059 mg/L	5.297 ppm
1	Cr 267.716	28480.3	28543.2	0.6172 mg/L	30.86 ppm
1	Cu 324.754	21182.9	20634.4	0.1938 mg/L	9.689 ppm
1	Fe 273.955	3823124.8	3823304.5	179.5 mg/L	8975 ppm
1	K 766.491	521308.2	515221.0	9.413 mg/L	470.7 ppm
1	Mg 279.079	533261.9	534277.0	54.67 mg/L	2733 ppm
1	Mn 257.610	1096525.7	1099908.9	2.568 mg/L	128.4 ppm
1	Mo 202.030	-216.0	-101.6	-0.0122 mg/L	-0.6082 ppm
1	Na 330.237	1827.1	593.1	2.010 mg/L	100.5 ppm
1	Ni 231.604	24590.3	24643.4	0.6127 mg/L	30.63 ppm
1	Pb 220.353	5752.7	5418.1	0.3757 mg/L	18.79 ppm
1	Sb 206.833	82.3	51.5	0.0062 mg/L	0.3114 ppm
1	Se 196.026	-81.1	-85.5	0.0064 mg/L	0.3177 ppm
1	Tl 190.800	-102.2	-68.4	-0.0203 mg/L	-1.015 ppm
1	V 292.402	41132.9	40850.3	0.4191 mg/L	20.96 ppm
1	Zn 213.856	69453.8	69497.5	1.294 mg/L	64.68 ppm
2	Ag 328.068	-318.4	102.1	0.0013 mg/L	0.0668 ppm
2	Al 308.215	700435.1	699992.5	74.88 mg/L	3744 ppm
2	As 188.979	52.5	62.9	0.0412 mg/L	2.060 ppm
2	Ba 233.527	48938.6	49371.5	0.4465 mg/L	22.32 ppm
2	Be 313.107	-7168.6	-4867.9	-0.0020 mg/L	-0.0983 ppm
2	Ca 227.547	4315.3	4347.6	52.82 mg/L	2641 ppm
2	Cd 228.802	169.4	43.5	0.0010 mg/L	0.0525 ppm
2	Co 228.616	3828.4	3756.9	0.1033 mg/L	5.165 ppm
2	Cr 267.716	28453.5	28516.4	0.6169 mg/L	30.84 ppm
2	Cu 324.754	20059.6	19511.1	0.1832 mg/L	9.162 ppm
2	Fe 273.955	3621245.3	3621425.0	170.0 mg/L	8502 ppm
2	K 766.491	491530.1	485442.8	8.908 mg/L	445.4 ppm
2	Mg 279.079	504926.3	505941.4	51.77 mg/L	2588 ppm
2	Mn 257.610	1035260.4	1038643.7	2.425 mg/L	121.3 ppm
2	Mo 202.030	-122.0	-7.6	-0.0051 mg/L	-0.2535 ppm
2	Na 330.237	1827.1	593.1	2.010 mg/L	100.5 ppm
2	Ni 231.604	24577.4	24630.5	0.6124 mg/L	30.62 ppm
2	Pb 220.353	5696.6	5362.0	0.3718 mg/L	18.59 ppm
2	Sb 206.833	58.0	27.3	-0.0029 mg/L	-0.1438 ppm
2	Se 196.026	-79.2	-83.6	0.0052 mg/L	0.2610 ppm
2	Tl 190.800	-62.3	-28.5	-0.0078 mg/L	-0.3907 ppm
2	V 292.402	39141.8	38859.2	0.3986 mg/L	19.93 ppm
2	Zn 213.856	65437.6	65481.3	1.219 mg/L	60.94 ppm

3 Ag 328.068	-545.6	-125.1	-0.0016 mg/L	-0.0818 ppm
3 Al 308.215	736810.6	736368.1	78.77 mg/L	3938 ppm
3 As 188.979	127.3	137.7	0.0687 mg/L	3.437 ppm
3 Ba 233.527	50686.6	51119.5	0.4623 mg/L	23.11 ppm
3 Be 313.107	-7684.1	-5383.3	-0.0022 mg/L	-0.1087 ppm
3 Ca 227.547	4215.0	4247.3	51.60 mg/L	2580 ppm
3 Cd 228.802	223.2	97.3	0.0023 mg/L	0.1173 ppm
3 Co 228.616	3876.8	3805.3	0.1046 mg/L	5.231 ppm
3 Cr 267.716	27975.8	28038.7	0.6062 mg/L	30.31 ppm
3 Cu 324.754	21201.4	20652.9	0.1938 mg/L	9.690 ppm
3 Fe 273.955	3779008.5	3779188.2	177.4 mg/L	8872 ppm
3 K 766.491	526202.5	520115.3	9.496 mg/L	474.8 ppm
3 Mg 279.079	526183.8	527198.9	53.94 mg/L	2697 ppm
3 Mn 257.610	1081607.4	1084990.6	2.533 mg/L	126.7 ppm
3 Mo 202.030	-181.9	-67.5	-0.0096 mg/L	-0.4815 ppm
3 Na 330.237	1662.3	428.3	1.625 mg/L	81.25 ppm
3 Ni 231.604	24121.3	24174.4	0.6010 mg/L	30.05 ppm
3 Pb 220.353	5618.9	5284.4	0.3665 mg/L	18.32 ppm
3 Sb 206.833	75.6	44.8	0.0037 mg/L	0.1861 ppm
3 Se 196.026	-37.5	-42.0	0.0192 mg/L	0.9598 ppm
3 Tl 190.800	-60.3	-26.5	-0.0071 mg/L	-0.3563 ppm
3 V 292.402	41152.5	40869.9	0.4191 mg/L	20.96 ppm
3 Zn 213.856	68952.7	68996.4	1.284 mg/L	64.21 ppm

Mean Data

ID: 2905-2 F=50

Sample Qty: 1.0000 mL

Seq. No.: 80

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 54

Dilution: 1.0: 50.0

A/S Pos: 63

Date: 04/28/03 03:13:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	50.4	0.0007	0.00204	mg/L	0.0330	0.10219	ppm	309.83%
Al 308.215	727203.8	77.79	2.565	mg/L	3889	128.3	ppm	3.30%
As 188.979	97.5	0.0542	0.01384	mg/L	2.708	0.6922	ppm	25.56%
Ba 233.527	50774.2	0.4592	0.01145	mg/L	22.96	0.572	ppm	2.49%
Be 313.107	-5176.1	-0.0021	0.00011	mg/L	-0.1045	0.00549	ppm	5.26%
Ca 227.547	4303.7	52.29	0.623	mg/L	2614	31.1	ppm	1.19%
Cd 228.802	69.9	0.0017	0.00065	mg/L	0.0843	0.03245	ppm	38.49%
Co 228.616	3805.2	0.1046	0.00132	mg/L	5.231	0.0662	ppm	1.27%
Cr 267.716	28366.1	0.6134	0.00622	mg/L	30.67	0.311	ppm	1.01%
Cu 324.754	20266.1	0.1903	0.00608	mg/L	9.514	0.3042	ppm	3.20%
Fe 273.955	3741305.9	175.7	4.98	mg/L	8783	249.2	ppm	2.84%
K 766.491	506926.4	9.273	0.3183	mg/L	463.6	15.92	ppm	3.43%
Mg 279.079	522472.4	53.46	1.509	mg/L	2673	75.4	ppm	2.82%
Mn 257.610	1074514.4	2.509	0.0746	mg/L	125.4	3.73	ppm	2.97%
Mo 202.030	-58.9	-0.0090	0.00360	mg/L	-0.4477	0.17975	ppm	40.15%
Na 330.237	538.2	1.882	0.2225	mg/L	94.10	11.126	ppm	11.82%
Ni 231.604	24482.8	0.6087	0.00664	mg/L	30.43	0.332	ppm	1.09%
Pb 220.353	5354.8	0.3713	0.00465	mg/L	18.57	0.233	ppm	1.25%
Sb 206.833	41.2	0.0024	0.00470	mg/L	-0.1179	0.23515	ppm	199.44%
Se 196.026	-70.4	0.0103	0.00776	mg/L	0.5129	0.38812	ppm	75.68%
Tl 190.800	-41.1	-0.0117	0.00741	mg/L	-0.5873	0.37066	ppm	63.11%
V 292.402	40193.2	0.4123	0.01184	mg/L	20.61	0.592	ppm	2.87%
Zn 213.856	67991.7	1.266	0.0408	mg/L	63.28	2.039	ppm	3.22%

Replicate Data

ID: 2905-3 F=50

Date: 04/28/03 03:15:54 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	-289.3	131.2	0.0017 mg/L	0.0858 ppm
1 Al 308.215	756509.0	756066.5	80.88 mg/L	4044 ppm
1 As 188.979	197.9	208.2	0.0993 mg/L	4.966 ppm
1 Ba 233.527	12143.1	12576.0	0.1198 mg/L	5.992 ppm
1 Be 313.107	-10628.6	-8327.9	-0.0034 mg/L	-0.1681 ppm
1 Ca 227.547	9078.6	9111.0	108.5 mg/L	5427 ppm
1 Cd 228.802	72.7	-53.2	-0.0013 mg/L	-0.0642 ppm
1 Co 228.616	4557.3	4485.8	0.1233 mg/L	6.167 ppm
1 Cr 267.716	31881.4	31944.3	0.6900 mg/L	34.50 ppm
1 Cu 324.754	8087.5	7539.0	0.0821 mg/L	4.105 ppm
1 Fe 273.955	4888330.7	4888510.4	229.5 mg/L	11480 ppm
1 K 766.491	461041.8	454954.5	8.387 mg/L	419.3 ppm

1 Mg 279.079	896763.1	897778.2	91.86 mg/L	4593 ppm
1 Mn 257.610	1399496.8	1402880.0	3.276 mg/L	163.8 ppm
1 Mo 202.030	-112.6	1.8	-0.0060 mg/L	-0.2982 ppm
1 Na 330.237	1066.1	-167.9	0.2290 mg/L	11.45 ppm
1 Ni 231.604	24754.8	24807.9	0.6168 mg/L	30.84 ppm
1 Pb 220.353	1293.6	959.1	0.0652 mg/L	3.259 ppm
1 Sb 206.833	124.9	94.1	0.0198 mg/L	0.9876 ppm
1 Se 196.026	-71.2	-75.6	0.0184 mg/L	0.9177 ppm
1 Tl 190.800	-69.3	-35.5	-0.0093 mg/L	-0.4629 ppm
1 V 292.402	35244.0	34961.4	0.3648 mg/L	18.24 ppm
1 Zn 213.856	19168.0	19211.7	0.3478 mg/L	17.39 ppm

2 Ag 328.068	-205.5	215.0	0.0028 mg/L	0.1406 ppm
2 Al 308.215	784835.3	784392.7	83.91 mg/L	4195 ppm
2 As 188.979	218.5	228.8	0.1061 mg/L	5.307 ppm
2 Ba 233.527	12156.0	12588.9	0.1198 mg/L	5.988 ppm
2 Be 313.107	-10967.3	-8666.6	-0.0035 mg/L	-0.1750 ppm
2 Ca 227.547	9089.9	9122.2	108.8 mg/L	5438 ppm
2 Cd 228.802	74.0	-51.9	-0.0013 mg/L	-0.0626 ppm
2 Co 228.616	4587.5	4516.0	0.1242 mg/L	6.208 ppm
2 Cr 267.716	33004.1	33067.0	0.7146 mg/L	35.73 ppm
2 Cu 324.754	8305.8	7757.3	0.0835 mg/L	4.175 ppm
2 Fe 273.955	4727161.4	4727341.1	222.0 mg/L	11100 ppm
2 K 766.491	494608.6	488521.3	8.960 mg/L	448.0 ppm
2 Mg 279.079	920226.0	921241.1	94.26 mg/L	4713 ppm
2 Mn 257.610	1438464.3	1441847.5	3.367 mg/L	168.3 ppm
2 Mo 202.030	-172.5	-58.1	-0.0101 mg/L	-0.5064 ppm
2 Na 330.237	865.6	-368.5	-0.2413 mg/L	-12.07 ppm
2 Ni 231.604	24782.8	24835.9	0.6175 mg/L	30.87 ppm
2 Pb 220.353	1014.4	679.8	0.0463 mg/L	2.317 ppm
2 Sb 206.833	50.8	20.1	-0.0095 mg/L	-0.4761 ppm
2 Se 196.026	-105.6	-110.0	0.0066 mg/L	0.3275 ppm
2 Tl 190.800	-41.9	-8.0	-0.0006 mg/L	-0.0301 ppm
2 V 292.402	36669.6	36387.0	0.3783 mg/L	18.91 ppm
2 Zn 213.856	19059.5	19103.2	0.3462 mg/L	17.31 ppm

3 Ag 328.068	-157.5	263.0	0.0034 mg/L	0.1720 ppm
3 Al 308.215	787966.6	787524.0	84.24 mg/L	4212 ppm
3 As 188.979	188.6	199.0	0.0961 mg/L	4.807 ppm
3 Ba 233.527	12108.6	12541.5	0.1195 mg/L	5.976 ppm
3 Be 313.107	-10883.2	-8582.4	-0.0035 mg/L	-0.1733 ppm
3 Ca 227.547	9117.7	9150.1	109.0 mg/L	5451 ppm
3 Cd 228.802	109.9	-16.0	-0.0004 mg/L	-0.0193 ppm
3 Co 228.616	4677.1	4605.6	0.1266 mg/L	6.332 ppm
3 Cr 267.716	33066.0	33128.9	0.7158 mg/L	35.79 ppm
3 Cu 324.754	8464.6	7916.1	0.0854 mg/L	4.271 ppm
3 Fe 273.955	4891717.2	4891896.8	229.7 mg/L	11480 ppm
3 K 766.491	503840.6	497753.3	9.117 mg/L	455.9 ppm
3 Mg 279.079	920281.5	921296.6	94.26 mg/L	4713 ppm
3 Mn 257.610	1437366.3	1440749.5	3.364 mg/L	168.2 ppm
3 Mo 202.030	-163.0	-48.6	-0.0096 mg/L	-0.4819 ppm
3 Na 330.237	936.6	-297.4	-0.0747 mg/L	-3.736 ppm
3 Ni 231.604	25052.5	25105.6	0.6242 mg/L	31.21 ppm
3 Pb 220.353	1260.3	925.7	0.0631 mg/L	3.157 ppm
3 Sb 206.833	27.9	-2.8	-0.0192 mg/L	-0.9586 ppm
3 Se 196.026	-120.9	-125.4	0.0033 mg/L	0.1644 ppm
3 Tl 190.800	-56.7	-22.9	-0.0052 mg/L	-0.2619 ppm
3 V 292.402	36936.0	36653.4	0.3815 mg/L	19.08 ppm
3 Zn 213.856	19312.9	19356.6	0.3505 mg/L	17.53 ppm

Mean Data

ID: 2905-3 F=50

Sample Qty: 1.0000 mL

Seq. No.: 81

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 55

1.0 mL

A/S Pos: 64

Dilution:

1.0: 50.0

Date: 04/28/03

03:15:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	203.1	0.0027	0.00087	mg/L	0.1328	0.04362	ppm	32.85%
Al 308.215	775994.4	83.01	1.854	mg/L	4150	92.7	ppm	2.23%
As 188.979	212.0	0.1005	0.00511	mg/L	5.027	0.2557	ppm	5.09%
Ba 233.527	12568.8	0.1197	0.00016	mg/L	5.985	0.0080	ppm	0.13%
Be 313.107	-8525.6	-0.0034	0.00007	mg/L	-0.1721	0.00356	ppm	2.07%
Ca 227.547	9127.8	108.8	0.24	mg/L	5438	11.9	ppm	0.22%

Cd 228.802	-40.4	-0.0010	0.00051 mg/L	-0.0487	0.02550 ppm	52.36%
Co 228.616	4535.8	0.1247	0.00171 mg/L	6.236	0.0856 ppm	1.37%
Cr 267.716	32713.4	0.7068	0.01458 mg/L	35.34	0.729 ppm	2.06%
Cu 324.754	7737.5	0.0837	0.00167 mg/L	4.184	0.0835 ppm	2.00%
Fe 273.955	4835916.1	227.1	4.42 mg/L	11350	220.8 ppm	1.94%
K 766.491	480409.7	8.822	0.3846 mg/L	441.1	19.23 ppm	4.36%
Mg 279.079	913438.6	93.46	1.388 mg/L	4673	69.4 ppm	1.48%
Mn 257.610	1428492.4	3.335	0.0518 mg/L	166.8	2.59 ppm	1.55%
Mo 202.030	-35.0	-0.0086	0.00228 mg/L	-0.4288	0.11378 ppm	26.53%
Na 330.237	-277.9	-0.0290	0.23850 mg/L	-1.450	11.9252 ppm	822.19%
Ni 231.604	24916.5	0.6195	0.00409 mg/L	30.97	0.204 ppm	0.66%
Pb 220.353	854.9	0.0582	0.01034 mg/L	2.911	0.5171 ppm	17.77%
Sb 206.833	37.1	-0.0030	0.02027 mg/L	-0.1490	1.01350 ppm	680.05%
Se 196.026	-103.7	0.0094	0.00793 mg/L	0.4699	0.39632 ppm	84.34%
Tl 190.800	-22.2	-0.0050	0.00433 mg/L	-0.2516	0.21658 ppm	86.07%
V 292.402	36000.6	0.3749	0.00890 mg/L	18.74	0.445 ppm	2.37%
Zn 213.856	19223.8	0.3482	0.00219 mg/L	17.41	0.109 ppm	0.63%

Replicate Data

ID: 2905-4 F=50

Date: 04/28/03 03:18:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-304.8	115.7	0.0015 mg/L	0.0757 ppm
1	Al 308.215	597822.6	597380.0	63.90 mg/L	3195 ppm
1	As 188.979	204.8	215.1	0.0986 mg/L	4.931 ppm
1	Ba 233.527	24700.2	25133.1	0.2328 mg/L	11.64 ppm
1	Be 313.107	-6774.8	-4474.1	-0.0018 mg/L	-0.0903 ppm
1	Ca 227.547	9726.3	9758.6	118.6 mg/L	5928 ppm
1	Cd 228.802	110.8	-15.1	-0.0004 mg/L	-0.0182 ppm
1	Co 228.616	4245.8	4174.3	0.1148 mg/L	5.739 ppm
1	Cr 267.716	20815.0	20877.9	0.4494 mg/L	22.47 ppm
1	Cu 324.754	5578.5	5030.0	0.0585 mg/L	2.925 ppm
1	Fe 273.955	4410728.2	4410907.9	207.1 mg/L	10350 ppm
1	K 766.491	609410.0	603322.8	10.89 mg/L	544.4 ppm
1	Mg 279.079	623767.5	624782.6	63.93 mg/L	3196 ppm
1	Mn 257.610	1556828.3	1560211.5	3.643 mg/L	182.1 ppm
1	Mo 202.030	-120.5	-6.1	-0.0059 mg/L	-0.2974 ppm
1	Na 330.237	1457.7	223.7	1.146 mg/L	57.32 ppm
1	Ni 231.604	20154.5	20207.5	0.5024 mg/L	25.12 ppm
1	Pb 220.353	1103.5	769.0	0.0514 mg/L	2.570 ppm
1	Sb 206.833	107.1	76.4	0.0153 mg/L	0.7637 ppm
1	Se 196.026	-94.6	-99.1	0.0072 mg/L	0.3599 ppm
1	Tl 190.800	-31.7	2.1	0.0013 mg/L	0.0647 ppm
1	V 292.402	31489.8	31207.2	0.3258 mg/L	16.29 ppm
1	Zn 213.856	18336.0	18379.7	0.3334 mg/L	16.67 ppm
2	Ag 328.068	-299.2	121.3	0.0016 mg/L	0.0793 ppm
2	Al 308.215	582997.6	582555.1	62.32 mg/L	3116 ppm
2	As 188.979	257.0	267.4	0.1173 mg/L	5.864 ppm
2	Ba 233.527	25277.7	25710.5	0.2380 mg/L	11.90 ppm
2	Be 313.107	-6985.6	-4684.9	-0.0019 mg/L	-0.0946 ppm
2	Ca 227.547	10006.8	10039.1	122.0 mg/L	6099 ppm
2	Cd 228.802	71.0	-54.9	-0.0013 mg/L	-0.0663 ppm
2	Co 228.616	4333.0	4261.5	0.1172 mg/L	5.859 ppm
2	Cr 267.716	21364.1	21427.0	0.4614 mg/L	23.07 ppm
2	Cu 324.754	5487.8	4939.3	0.0576 mg/L	2.879 ppm
2	Fe 273.955	4370283.6	4370463.3	205.2 mg/L	10260 ppm
2	K 766.491	609224.8	603137.5	10.88 mg/L	544.2 ppm
2	Mg 279.079	611593.4	612608.5	62.68 mg/L	3134 ppm
2	Mn 257.610	1520263.0	1523646.2	3.558 mg/L	177.9 ppm
2	Mo 202.030	-109.8	4.6	-0.0051 mg/L	-0.2560 ppm
2	Na 330.237	1393.0	159.0	0.9948 mg/L	49.74 ppm
2	Ni 231.604	20834.8	20887.9	0.5193 mg/L	25.97 ppm
2	Pb 220.353	1248.2	913.6	0.0614 mg/L	3.068 ppm
2	Sb 206.833	130.3	99.5	0.0246 mg/L	1.229 ppm
2	Se 196.026	-74.3	-78.7	0.0130 mg/L	0.6518 ppm
2	Tl 190.800	-69.7	-35.9	-0.0107 mg/L	-0.5325 ppm
2	V 292.402	30769.3	30486.7	0.3185 mg/L	15.92 ppm
2	Zn 213.856	19030.0	19073.7	0.3466 mg/L	17.33 ppm
3	Ag 328.068	-457.6	-37.1	-0.0005 mg/L	-0.0243 ppm

3 Al 308.215	587606.5	587163.9	62.81 mg/L	3140 ppm
3 As 188.979	179.6	190.0	0.0892 mg/L	4.462 ppm
3 Ba 233.527	23649.9	24082.8	0.2232 mg/L	11.16 ppm
3 Be 313.107	-6952.3	-4651.6	-0.0019 mg/L	-0.0939 ppm
3 Ca 227.547	9322.1	9354.4	113.7 mg/L	5683 ppm
3 Cd 228.802	109.3	-16.6	-0.0004 mg/L	-0.0201 ppm
3 Co 228.616	4144.4	4072.9	0.1120 mg/L	5.599 ppm
3 Cr 267.716	20161.0	20223.9	0.4352 mg/L	21.76 ppm
3 Cu 324.754	5688.3	5139.8	0.0593 mg/L	2.963 ppm
3 Fe 273.955	4349799.9	4349979.6	204.2 mg/L	10210 ppm
3 K 766.491	625636.3	619549.0	11.16 mg/L	557.8 ppm
3 Mg 279.079	610228.0	611243.1	62.54 mg/L	3127 ppm
3 Mn 257.610	1524372.0	1527755.2	3.567 mg/L	178.4 ppm
3 Mo 202.030	-70.3	44.1	-0.0022 mg/L	-0.1107 ppm
3 Na 330.237	1239.4	5.4	0.6351 mg/L	31.75 ppm
3 Ni 231.604	19735.1	19788.2	0.4920 mg/L	24.60 ppm
3 Pb 220.353	1176.7	842.2	0.0565 mg/L	2.824 ppm
3 Sb 206.833	56.9	26.2	-0.0046 mg/L	-0.2280 ppm
3 Se 196.026	-76.8	-81.3	0.0121 mg/L	0.6046 ppm
3 Tl 190.800	-21.5	12.3	0.0045 mg/L	0.2256 ppm
3 V 292.402	30858.4	30575.8	0.3193 mg/L	15.96 ppm
3 Zn 213.856	18034.9	18078.6	0.3279 mg/L	16.40 ppm

Mean Data

ID: 2905-4 F=50

Sample Qty: 1.0000 mL

Seq. No.: 82

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 56

1.0 mL

A/S Pos: 65

Dilution:

1.0: 50.0

Date: 04/28/03 03:18:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Units	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	66.6	0.0009	0.00118	mg/L	0.0436	0.05878	ppm	134.88%
Al 308.215	589033.0	63.01	0.812	mg/L	3150	40.6	ppm	1.29%
As 188.979	224.2	0.1017	0.01428	mg/L	5.086	0.7138	ppm	14.03%
Ba 233.527	24975.5	0.2313	0.00748	mg/L	11.57	0.374	ppm	3.23%
Be 313.107	-4603.5	-0.0019	0.00005	mg/L	-0.0929	0.00229	ppm	2.46%
Ca 227.547	9717.4	118.1	4.18	mg/L	5903	209.1	ppm	3.54%
Cd 228.802	-28.9	-0.0007	0.00054	mg/L	-0.0348	0.02722	ppm	78.12%
Co 228.616	4169.6	0.1146	0.00260	mg/L	5.732	0.1298	ppm	2.26%
Cr 267.716	20842.9	0.4487	0.01311	mg/L	22.43	0.656	ppm	2.92%
Cu 324.754	5036.4	0.0584	0.00085	mg/L	2.922	0.0425	ppm	1.45%
Fe 273.955	4377116.9	205.5	1.46	mg/L	10280	72.8	ppm	0.71%
K 766.491	608669.8	10.98	0.156	mg/L	548.8	7.78	ppm	1.42%
Mg 279.079	616211.4	63.05	0.763	mg/L	3152	38.1	ppm	1.21%
Mn 257.610	1537204.3	3.589	0.0468	mg/L	179.5	2.34	ppm	1.30%
Mo 202.030	14.2	-0.0044	0.00196	mg/L	-0.2214	0.09804	ppm	44.29%
Na 330.237	129.3	0.9254	0.26259	mg/L	46.27	13.130	ppm	28.38%
Ni 231.604	20294.5	0.5046	0.01380	mg/L	25.23	0.690	ppm	2.73%
Pb 220.353	841.6	0.0564	0.00498	mg/L	2.821	0.2490	ppm	8.83%
Sb 206.833	67.4	0.0118	0.01489	mg/L	0.5883	0.74430	ppm	126.52%
Se 196.026	-86.4	0.0108	0.00313	mg/L	0.5387	0.15670	ppm	29.09%
Tl 190.800	-7.2	-0.0016	0.00799	mg/L	-0.0807	0.39945	ppm	494.72%
V 292.402	30756.6	0.3212	0.00400	mg/L	16.06	0.200	ppm	1.24%
Zn 213.856	18510.7	0.3360	0.00956	mg/L	16.80	0.478	ppm	2.85%

Replicate Data

ID: 2905-5 F=50

Date: 04/28/03 03:21:08 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	-31.8	388.7	0.0051 mg/L	0.2542 ppm
1 Al 308.215	717855.6	717413.1	76.74 mg/L	3837 ppm
1 As 188.979	74.0	84.3	0.0475 mg/L	2.377 ppm
1 Ba 233.527	54466.6	54899.5	0.4965 mg/L	24.82 ppm
1 Be 313.107	-8347.3	-6046.6	-0.0024 mg/L	-0.1221 ppm
1 Ca 227.547	24566.5	24598.8	298.9 mg/L	14940 ppm
1 Cd 228.802	96.2	-29.7	-0.0007 mg/L	-0.0358 ppm
1 Co 228.616	3418.5	3347.0	0.0920 mg/L	4.601 ppm
1 Cr 267.716	19369.6	19432.5	0.4185 mg/L	20.92 ppm
1 Cu 324.754	14339.7	13791.2	0.1341 mg/L	6.703 ppm
1 Fe 273.955	3961594.6	3961774.3	186.0 mg/L	9300 ppm
1 K 766.491	676685.5	670598.2	11.99 mg/L	599.6 ppm
1 Mg 279.079	638446.4	639461.5	65.43 mg/L	3271 ppm

1 Mn 257.610	1372531.0	1375914.3	3.213 mg/L	160.6 ppm
1 Mo 202.030	-102.8	11.6	-0.0041 mg/L	-0.2048 ppm
1 Na 330.237	1041.9	-192.1	0.1723 mg/L	8.615 ppm
1 Ni 231.604	23991.4	24044.5	0.5978 mg/L	29.89 ppm
1 Pb 220.353	1834.6	1500.1	0.1014 mg/L	5.070 ppm
1 Sb 206.833	66.0	35.2	0.0003 mg/L	0.0140 ppm
1 Se 196.026	-61.4	-65.9	0.0135 mg/L	0.6743 ppm
1 Tl 190.800	-60.8	-27.0	-0.0082 mg/L	-0.4103 ppm
1 V 292.402	39227.3	38944.7	0.4007 mg/L	20.04 ppm
1 Zn 213.856	24765.9	24809.6	0.4552 mg/L	22.76 ppm

2 Ag 328.068	3.1	423.6	0.0055 mg/L	0.2770 ppm
2 Al 308.215	729604.8	729162.2	78.00 mg/L	3900 ppm
2 As 188.979	65.7	76.1	0.0484 mg/L	2.422 ppm
2 Ba 233.527	54866.9	55299.8	0.5001 mg/L	25.00 ppm
2 Be 313.107	-8526.5	-6225.8	-0.0025 mg/L	-0.1257 ppm
2 Ca 227.547	26909.2	26941.5	327.3 mg/L	16370 ppm
2 Cd 228.802	60.5	-65.4	-0.0016 mg/L	-0.0789 ppm
2 Co 228.616	3735.6	3664.1	0.1007 mg/L	5.037 ppm
2 Cr 267.716	20740.3	20803.2	0.4484 mg/L	22.42 ppm
2 Cu 324.754	14699.7	14151.2	0.1370 mg/L	6.849 ppm
2 Fe 273.955	3886837.4	3887017.1	182.5 mg/L	9125 ppm
2 K 766.491	719023.2	712935.9	12.68 mg/L	634.0 ppm
2 Mg 279.079	640806.8	641821.9	65.67 mg/L	3283 ppm
2 Mn 257.610	1386503.4	1389886.7	3.245 mg/L	162.3 ppm
2 Mo 202.030	-46.6	67.8	0.0001 mg/L	0.0041 ppm
2 Na 330.237	747.5	-486.6	-0.5185 mg/L	-25.92 ppm
2 Ni 231.604	25634.5	25687.5	0.6386 mg/L	31.93 ppm
2 Pb 220.353	1836.8	1502.3	0.1015 mg/L	5.077 ppm
2 Sb 206.833	47.2	16.4	-0.0072 mg/L	-0.3582 ppm
2 Se 196.026	-85.9	-90.3	0.0054 mg/L	0.2716 ppm
2 Tl 190.800	-30.9	2.9	0.0011 mg/L	0.0555 ppm
2 V 292.402	39941.4	39658.8	0.4075 mg/L	20.38 ppm
2 Zn 213.856	26781.6	26825.3	0.4932 mg/L	24.66 ppm

3 Ag 328.068	-214.3	206.2	0.0027 mg/L	0.1348 ppm
3 Al 308.215	744633.6	744191.0	79.61 mg/L	3980 ppm
3 As 188.979	93.5	103.8	0.0597 mg/L	2.985 ppm
3 Ba 233.527	55496.0	55928.8	0.5109 mg/L	25.55 ppm
3 Be 313.107	-8663.8	-6363.1	-0.0026 mg/L	-0.1285 ppm
3 Ca 227.547	28309.2	28341.6	344.3 mg/L	17220 ppm
3 Cd 228.802	93.8	-32.1	-0.0008 mg/L	-0.0387 ppm
3 Co 228.616	3887.8	3816.3	0.1049 mg/L	5.247 ppm
3 Cr 267.716	21827.9	21890.8	0.4718 mg/L	23.59 ppm
3 Cu 324.754	15059.1	14510.6	0.1409 mg/L	7.047 ppm
3 Fe 273.955	4132606.2	4132785.8	194.0 mg/L	9702 ppm
3 K 766.491	730094.6	724007.3	12.86 mg/L	642.9 ppm
3 Mg 279.079	649394.1	650409.2	66.55 mg/L	3327 ppm
3 Mn 257.610	1406099.0	1409482.2	3.291 mg/L	164.6 ppm
3 Mo 202.030	-83.5	30.9	-0.0029 mg/L	-0.1452 ppm
3 Na 330.237	1145.3	-88.8	0.4145 mg/L	20.72 ppm
3 Ni 231.604	26708.7	26761.8	0.6653 mg/L	33.27 ppm
3 Pb 220.353	1871.6	1537.1	0.1036 mg/L	5.178 ppm
3 Sb 206.833	70.3	39.5	0.0012 mg/L	0.0613 ppm
3 Se 196.026	-117.0	-121.5	-0.0019 mg/L	-0.0972 ppm
3 Tl 190.800	-51.3	-17.5	-0.0053 mg/L	-0.2650 ppm
3 V 292.402	40630.7	40348.1	0.4153 mg/L	20.76 ppm
3 Zn 213.856	27997.6	28041.3	0.5153 mg/L	25.77 ppm

Mean Data

ID: 2905-5 F=50

Sample Qty: 1.0000 mL

Seq. No.: 83

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 57

1.0 mL

A/S Pos: 66

Dilution:

1.0: 50.0

Date: 04/28/03

03:21:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Units	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	339.5	0.0044	0.00153	mg/L	0.2220	0.07636	ppm	34.40%
Al 308.215	730255.4	78.11	1.436	mg/L	3906	71.8	ppm	1.84%
As 188.979	88.1	0.0519	0.00678	mg/L	2.595	0.3389	ppm	13.06%
Ba 233.527	55376.0	0.5025	0.00753	mg/L	25.13	0.377	ppm	1.50%
Be 313.107	-6211.8	-0.0025	0.00006	mg/L	-0.1254	0.00320	ppm	2.55%
Ca 227.547	26627.3	323.5	22.98	mg/L	16180	1148.8	ppm	7.10%
Cd 228.802	-42.4	-0.0010	0.00048	mg/L	-0.0511	0.02410	ppm	47.15%

3791

Co 228.616	3609.1	0.0992	0.00658 mg/L	4.962	0.3292 ppm	6.63%
Cr 267.716	20708.8	0.4462	0.02675 mg/L	22.31	1.337 ppm	5.99%
Cu 324.754	14151.0	0.1373	0.00345 mg/L	6.867	0.1726 ppm	2.51%
Fe 273.955	3993859.1	187.5	5.91 mg/L	9375	295.7 ppm	3.15%
K 766.491	702513.8	12.51	0.457 mg/L	625.5	22.84 ppm	3.65%
Mg 279.079	643897.5	65.88	0.589 mg/L	3294	29.5 ppm	0.89%
Mn 257.610	1391761.1	3.250	0.0394 mg/L	162.5	1.97 ppm	1.21%
Mo 202.030	36.8	-0.0023	0.00215 mg/L	-0.1153	0.10764 ppm	93.36%
Na 330.237	-255.8	0.0228	0.48413 mg/L	1.139	24.2065 ppm	>999.9%
Ni 231.604	25497.9	0.6339	0.03402 mg/L	31.70	1.701 ppm	5.37%
Pb 220.353	1513.2	0.1022	0.00121 mg/L	5.109	0.0603 ppm	1.18%
Sb 206.833	30.4	-0.0019	0.00460 mg/L	-0.0943	0.22976 ppm	243.64%
Se 196.026	-92.6	0.0057	0.00772 mg/L	0.2829	0.38589 ppm	136.39%
Tl 190.800	-13.9	-0.0041	0.00477 mg/L	-0.2066	0.23834 ppm	115.37%
V 292.402	39650.5	0.4079	0.00728 mg/L	20.39	0.364 ppm	1.78%
Zn 213.856	26558.7	0.4879	0.03043 mg/L	24.39	1.521 ppm	6.24%

Replicate Data

ID: 2905-6 F=50

Date: 04/28/03 03:23:45 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-571.8	-151.3	-0.0020	mg/L	-0.0989	ppm
1	Al 308.215	731145.7	730703.1	78.16	mg/L	3908	ppm
1	As 188.979	32.5	42.9	0.0332	mg/L	1.658	ppm
1	Ba 233.527	48647.9	49080.8	0.4439	mg/L	22.19	ppm
1	Be 313.107	-11141.2	-8840.5	-0.0036	mg/L	-0.1785	ppm
1	Ca 227.547	5660.4	5692.7	69.16	mg/L	3458	ppm
1	Cd 228.802	151.7	25.8	0.0006	mg/L	0.0311	ppm
1	Co 228.616	3358.2	3286.7	0.0904	mg/L	4.518	ppm
1	Cr 267.716	29031.3	29094.2	0.6297	mg/L	31.49	ppm
1	Cu 324.754	10749.8	10201.3	0.1007	mg/L	5.036	ppm
1	Fe 273.955	3409346.1	3409525.8	160.1	mg/L	8004	ppm
1	K 766.491	432974.4	426887.1	7.903	mg/L	395.2	ppm
1	Mg 279.079	437469.8	438484.9	44.86	mg/L	2243	ppm
1	Mn 257.610	835650.4	839033.7	1.959	mg/L	97.95	ppm
1	Mo 202.030	-179.9	-65.5	-0.0090	mg/L	-0.4510	ppm
1	Na 330.237	631.9	-602.2	-0.7898	mg/L	-39.49	ppm
1	Ni 231.604	20242.1	20295.2	0.5046	mg/L	25.23	ppm
1	Pb 220.353	875.7	541.2	0.0384	mg/L	1.918	ppm
1	Sb 206.833	44.6	13.9	-0.0077	mg/L	-0.3839	ppm
1	Se 196.026	-84.1	-88.5	0.0019	mg/L	0.0970	ppm
1	Tl 190.800	-64.8	-31.0	-0.0091	mg/L	-0.4569	ppm
1	V 292.402	38332.6	38050.0	0.3898	mg/L	19.49	ppm
1	Zn 213.856	16178.5	16222.2	0.2955	mg/L	14.78	ppm
2	Ag 328.068	-309.6	110.9	0.0015	mg/L	0.0725	ppm
2	Al 308.215	720784.9	720342.4	77.05	mg/L	3853	ppm
2	As 188.979	-3.3	7.0	0.0201	mg/L	1.006	ppm
2	Ba 233.527	47855.9	48288.7	0.4367	mg/L	21.83	ppm
2	Be 313.107	-11041.7	-8740.9	-0.0035	mg/L	-0.1765	ppm
2	Ca 227.547	6037.6	6070.0	73.75	mg/L	3687	ppm
2	Cd 228.802	145.1	19.2	0.0005	mg/L	0.0231	ppm
2	Co 228.616	3483.1	3411.7	0.0938	mg/L	4.690	ppm
2	Cr 267.716	30114.4	30177.3	0.6534	mg/L	32.67	ppm
2	Cu 324.754	10609.2	10060.7	0.0993	mg/L	4.964	ppm
2	Fe 273.955	3349715.6	3349895.2	157.3	mg/L	7864	ppm
2	K 766.491	434629.9	428542.6	7.932	mg/L	396.6	ppm
2	Mg 279.079	428458.7	429473.8	43.94	mg/L	2197	ppm
2	Mn 257.610	819205.9	822589.1	1.921	mg/L	96.03	ppm
2	Mo 202.030	-133.7	-19.3	-0.0056	mg/L	-0.2792	ppm
2	Na 330.237	702.8	-531.2	-0.6233	mg/L	-31.16	ppm
2	Ni 231.604	21079.7	21132.8	0.5254	mg/L	26.27	ppm
2	Pb 220.353	747.7	413.2	0.0295	mg/L	1.475	ppm
2	Sb 206.833	68.1	37.3	0.0018	mg/L	0.0880	ppm
2	Se 196.026	-56.6	-61.1	0.0098	mg/L	0.4889	ppm
2	Tl 190.800	-85.1	-51.3	-0.0155	mg/L	-0.7759	ppm
2	V 292.402	37929.3	37646.7	0.3856	mg/L	19.28	ppm
2	Zn 213.856	16776.2	16819.9	0.3069	mg/L	15.34	ppm
3	Ag 328.068	-362.7	57.8	0.0008	mg/L	0.0378	ppm
3	Al 308.215	712755.8	712313.2	76.20	mg/L	3810	ppm

3 As 188.979	69.6	79.9	0.0462 mg/L	2.312 ppm
3 Ba 233.527	47503.2	47936.0	0.4335 mg/L	21.67 ppm
3 Be 313.107	-11037.8	-8737.1	-0.0035 mg/L	-0.1764 ppm
3 Ca 227.547	6056.1	6088.4	73.97 mg/L	3699 ppm
3 Cd 228.802	79.6	-46.3	-0.0011 mg/L	-0.0558 ppm
3 Co 228.616	3558.3	3486.8	0.0959 mg/L	4.794 ppm
3 Cr 267.716	30377.6	30440.5	0.6592 mg/L	32.96 ppm
3 Cu 324.754	10432.4	9883.9	0.0976 mg/L	4.882 ppm
3 Fe 273.955	3321923.2	3322102.8	156.0 mg/L	7799 ppm
3 K 766.491	419668.5	413581.2	7.673 mg/L	383.6 ppm
3 Mg 279.079	425625.4	426640.5	43.65 mg/L	2183 ppm
3 Mn 257.610	812005.0	815388.2	1.904 mg/L	95.19 ppm
3 Mo 202.030	-167.0	-52.6	-0.0080 mg/L	-0.3988 ppm
3 Na 330.237	667.3	-566.7	-0.7065 mg/L	-35.33 ppm
3 Ni 231.604	21199.0	21252.1	0.5284 mg/L	26.42 ppm
3 Pb 220.353	760.3	425.7	0.0303 mg/L	1.517 ppm
3 Sb 206.833	63.3	32.6	-0.0001 mg/L	-0.0044 ppm
3 Se 196.026	-18.3	-22.8	0.0212 mg/L	1.058 ppm
3 Tl 190.800	-98.5	-64.7	-0.0198 mg/L	-0.9878 ppm
3 V 292.402	37457.1	37174.6	0.3808 mg/L	19.04 ppm
3 Zn 213.856	16882.0	16925.7	0.3089 mg/L	15.45 ppm

Mean Data

ID: 2905-6 F=50

Sample Qty: 1.0000 mL

Seq. No.: 84

Sample No.: 58

A/S Pos: 67

Prep. Vol.: 1.0 mL

Dilution:

1.0:

50.0

Data: Original

Date: 04/28/03

03:23:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	5.8	0.0001	0.00181	mg/L	0.0038	0.09063	ppm	>999.9%
Al 308.215	721119.6	77.14	0.986	mg/L	3857	49.3	ppm	1.28%
As 188.979	43.3	0.0332	0.01306	mg/L	1.658	0.6531	ppm	39.38%
Ba 233.527	48435.2	0.4380	0.00530	mg/L	21.90	0.265	ppm	1.21%
Be 313.107	-8772.8	-0.0035	0.00002	mg/L	-0.1771	0.00118	ppm	0.67%
Ca 227.547	5950.4	72.29	2.713	mg/L	3615	135.7	ppm	3.75%
Cd 228.802	-0.4	0.0000	0.00096	mg/L	-0.0005	0.04805	ppm	>999.9%
Co 228.616	3395.1	0.0933	0.00278	mg/L	4.667	0.1390	ppm	2.98%
Cr 267.716	29904.0	0.6474	0.01561	mg/L	32.37	0.780	ppm	2.41%
Cu 324.754	10048.6	0.0992	0.00154	mg/L	4.961	0.0769	ppm	1.55%
Fe 273.955	3360508.0	157.8	2.10	mg/L	7889	104.9	ppm	1.33%
K 766.491	423003.7	7.836	0.1420	mg/L	391.8	7.10	ppm	1.81%
Mg 279.079	431533.1	44.15	0.633	mg/L	2208	31.6	ppm	1.43%
Mn 257.610	825670.3	1.928	0.0283	mg/L	96.39	1.415	ppm	1.47%
Mo 202.030	-45.8	-0.0075	0.00176	mg/L	-0.3763	0.08808	ppm	23.41%
Na 330.237	-566.7	-0.7065	0.08328	mg/L	-35.33	4.164	ppm	11.79%
Ni 231.604	20893.4	0.5194	0.01296	mg/L	25.97	0.648	ppm	2.50%
Pb 220.353	460.0	0.0327	0.00489	mg/L	1.637	0.2445	ppm	14.94%
Sb 206.833	27.9	-0.0020	0.00500	mg/L	-0.1001	0.25006	ppm	249.88%
Se 196.026	-57.5	0.0110	0.00966	mg/L	0.5479	0.48310	ppm	88.18%
Tl 190.800	-49.0	-0.0148	0.00534	mg/L	-0.7402	0.26724	ppm	36.10%
V 292.402	37623.7	0.3854	0.00450	mg/L	19.27	0.225	ppm	1.17%
Zn 213.856	16655.9	0.3038	0.00723	mg/L	15.19	0.361	ppm	2.38%

Replicate Data

ID: 2905-7 F=50

Date: 04/28/03

03:26:18 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-277.6	142.9	0.0019 mg/L	0.0934 ppm
1	Al 308.215	612755.3	612312.8	65.50 mg/L	3275 ppm
1	As 188.979	344.3	354.6	0.1513 mg/L	7.566 ppm
1	Ba 233.527	15901.7	16334.6	0.1538 mg/L	7.688 ppm
1	Be 313.107	-8554.1	-6253.4	-0.0025 mg/L	-0.1262 ppm
1	Ca 227.547	11522.5	11554.8	138.3 mg/L	6913 ppm
1	Cd 228.802	78.9	-47.0	-0.0011 mg/L	-0.0567 ppm
1	Co 228.616	4899.5	4828.0	0.1327 mg/L	6.637 ppm
1	Cr 267.716	27788.9	27851.8	0.6008 mg/L	30.04 ppm
1	Cu 324.754	6271.4	5722.9	0.0660 mg/L	3.298 ppm
1	Fe 273.955	4834593.5	4834773.2	227.0 mg/L	11350 ppm
1	K 766.491	526330.1	520242.8	9.498 mg/L	474.9 ppm
1	Mg 279.079	626458.9	627474.0	64.20 mg/L	3210 ppm
1	Mn 257.610	1957546.6	1960929.8	4.579 mg/L	228.9 ppm

1 Mo 202.030	-41.3	73.1	-0.0007 mg/L	-0.0354 ppm
1 Na 330.237	1320.2	86.2	0.8243 mg/L	41.22 ppm
1 Ni 231.604	22879.5	22932.6	0.5701 mg/L	28.51 ppm
1 Pb 220.353	1158.0	823.5	0.0535 mg/L	2.675 ppm
1 Sb 206.833	84.6	53.8	0.0042 mg/L	0.2115 ppm
1 Se 196.026	-131.1	-135.5	-0.0003 mg/L	-0.0139 ppm
1 Tl 190.800	-107.4	-73.6	-0.0219 mg/L	-1.094 ppm
1 V 292.402	35264.0	34981.5	0.3648 mg/L	18.24 ppm
1 Zn 213.856	18532.9	18576.6	0.3360 mg/L	16.80 ppm

2 Ag 328.068	-177.4	243.1	0.0032 mg/L	0.1590 ppm
2 Al 308.215	611107.1	610664.6	65.32 mg/L	3266 ppm
2 As 188.979	310.9	321.3	0.1390 mg/L	6.949 ppm
2 Ba 233.527	15069.7	15502.6	0.1462 mg/L	7.309 ppm
2 Be 313.107	-8416.6	-6115.9	-0.0025 mg/L	-0.1235 ppm
2 Ca 227.547	11029.9	11062.2	132.3 mg/L	6615 ppm
2 Cd 228.802	118.7	-7.2	-0.0002 mg/L	-0.0087 ppm
2 Co 228.616	4673.4	4601.9	0.1265 mg/L	6.327 ppm
2 Cr 267.716	26510.5	26573.4	0.5730 mg/L	28.65 ppm
2 Cu 324.754	6369.4	5820.9	0.0667 mg/L	3.334 ppm
2 Fe 273.955	4787465.8	4787645.5	224.8 mg/L	11240 ppm
2 K 766.491	531557.5	525470.2	9.586 mg/L	479.3 ppm
2 Mg 279.079	618682.6	619697.7	63.41 mg/L	3170 ppm
2 Mn 257.610	1938506.8	1941890.0	4.534 mg/L	226.7 ppm
2 Mo 202.030	-75.4	39.0	-0.0031 mg/L	-0.1566 ppm
2 Na 330.237	1326.5	92.5	0.8390 mg/L	41.95 ppm
2 Ni 231.604	22107.4	22160.5	0.5509 mg/L	27.55 ppm
2 Pb 220.353	1067.5	732.9	0.0473 mg/L	2.367 ppm
2 Sb 206.833	87.1	56.3	0.0055 mg/L	0.2759 ppm
2 Se 196.026	-91.3	-95.8	0.0114 mg/L	0.5695 ppm
2 Tl 190.800	-33.2	0.6	0.0014 mg/L	0.0713 ppm
2 V 292.402	35364.9	35082.3	0.3656 mg/L	18.28 ppm
2 Zn 213.856	17734.0	17777.7	0.3212 mg/L	16.06 ppm

3 Ag 328.068	-335.4	85.1	0.0011 mg/L	0.0557 ppm
3 Al 308.215	659866.0	659423.4	70.54 mg/L	3527 ppm
3 As 188.979	300.9	311.2	0.1367 mg/L	6.837 ppm
3 Ba 233.527	15023.8	15456.7	0.1461 mg/L	7.307 ppm
3 Be 313.107	-9215.6	-6914.9	-0.0028 mg/L	-0.1396 ppm
3 Ca 227.547	11360.4	11392.8	136.2 mg/L	6809 ppm
3 Cd 228.802	120.1	-5.8	-0.0001 mg/L	-0.0070 ppm
3 Co 228.616	4660.8	4589.3	0.1262 mg/L	6.309 ppm
3 Cr 267.716	26934.3	26997.3	0.5819 mg/L	29.09 ppm
3 Cu 324.754	6752.8	6204.3	0.0710 mg/L	3.551 ppm
3 Fe 273.955	5089537.7	5089717.4	239.0 mg/L	11950 ppm
3 K 766.491	562647.0	556559.7	10.11 mg/L	505.4 ppm
3 Mg 279.079	659957.0	660972.1	67.63 mg/L	3381 ppm
3 Mn 257.610	2063264.5	2066647.8	4.825 mg/L	241.3 ppm
3 Mo 202.030	-64.4	50.0	-0.0027 mg/L	-0.1355 ppm
3 Na 330.237	1326.4	92.4	0.8390 mg/L	41.95 ppm
3 Ni 231.604	22174.6	22227.6	0.5526 mg/L	27.63 ppm
3 Pb 220.353	1149.0	814.5	0.0529 mg/L	2.645 ppm
3 Sb 206.833	22.4	-8.3	-0.0213 mg/L	-1.064 ppm
3 Se 196.026	-88.8	-93.3	0.0147 mg/L	0.7355 ppm
3 Tl 190.800	-132.7	-98.9	-0.0298 mg/L	-1.488 ppm
3 V 292.402	37980.9	37698.3	0.3926 mg/L	19.63 ppm
3 Zn 213.856	17922.3	17966.0	0.3240 mg/L	16.20 ppm

Mean Data

ID: 2905-7 F=50

Sample Qty: 1.0000 mL

Seq. No.: 85

Prep. Vol.:

Data: Original

Sample No.: 59

1.0 mL

A/S Pos: 68

Dilution:

1.0:

50.0

Date: 04/28/03 03:26:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	157.0	0.0021	0.00105	mg/L	0.1027	0.05229	ppm	50.92%
Al 308.215	627466.9	67.12	2.962	mg/L	3356	148.1	ppm	4.41%
As 188.979	329.0	0.1423	0.00785	mg/L	7.117	0.3924	ppm	5.51%
Ba 233.527	15764.6	0.1487	0.00439	mg/L	7.435	0.2194	ppm	2.95%
Be 313.107	-6428.0	-0.0026	0.00017	mg/L	-0.1298	0.00862	ppm	6.65%
Ca 227.547	11336.6	135.6	3.03	mg/L	6779	151.4	ppm	2.23%
Cd 228.802	-20.0	-0.0005	0.00056	mg/L	-0.0241	0.02822	ppm	116.87%
Co 228.616	4673.1	0.1285	0.00369	mg/L	6.424	0.1846	ppm	2.87%

3794

Cr 267.716	27140.8	0.5853	0.01420 mg/L	29.26	0.710 ppm	2.43%
Cu 324.754	5916.0	0.0679	0.00274 mg/L	3.394	0.1369 ppm	4.03%
Fe 273.955	4904045.3	230.3	7.63 mg/L	11510	381.5 ppm	3.31%
K 766.491	534090.9	9.731	0.3300 mg/L	486.6	16.50 ppm	3.39%
Mg 279.079	636047.9	65.08	2.244 mg/L	3254	112.2 ppm	3.45%
Mn 257.610	1989822.5	4.646	0.1569 mg/L	232.3	7.85 ppm	3.38%
Mo 202.030	54.1	-0.0022	0.00129 mg/L	-0.1091	0.06473 ppm	59.30%
Na 330.237	90.3	0.8341	0.00848 mg/L	41.71	0.424 ppm	1.02%
Ni 231.604	22440.2	0.5579	0.01063 mg/L	27.89	0.532 ppm	1.91%
Pb 220.353	790.3	0.0512	0.00340 mg/L	2.562	0.1699 ppm	6.63%
Sb 206.833	33.9	-0.0038	0.01512 mg/L	-0.1924	0.75594 ppm	393.00%
Se 196.026	-108.2	0.0086	0.00787 mg/L	0.4303	0.39358 ppm	91.46%
Tl 190.800	-57.3	-0.0167	0.01622 mg/L	-0.8369	0.81077 ppm	96.88%
V 292.402	35920.7	0.3743	0.01586 mg/L	18.72	0.793 ppm	4.24%
Zn 213.856	18106.8	0.3271	0.00790 mg/L	16.35	0.395 ppm	2.42%

Replicate Data

ID: 2905-8 F=50

Date: 04/28/03 03:28:53 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units
1	Ag 328.068	-178.5	242.0	0.0032 mg/L	0.1583 ppm
1	Al 308.215	661727.4	661284.8	70.74 mg/L	3537 ppm
1	As 188.979	349.9	360.3	0.1532 mg/L	7.658 ppm
1	Ba 233.527	15759.1	16192.0	0.1526 mg/L	7.629 ppm
1	Be 313.107	-7654.0	-5353.2	-0.0022 mg/L	-0.1081 ppm
1	Ca 227.547	15498.8	15531.1	186.5 mg/L	9327 ppm
1	Cd 228.802	48.0	-77.9	-0.0019 mg/L	-0.0940 ppm
1	Co 228.616	4625.6	4554.1	0.1252 mg/L	6.261 ppm
1	Cr 267.716	22456.6	22519.5	0.4845 mg/L	24.23 ppm
1	Cu 324.754	5966.0	5417.5	0.0635 mg/L	3.177 ppm
1	Fe 273.955	4915354.0	4915533.7	230.8 mg/L	11540 ppm
1	K 766.491	606390.3	600303.1	10.84 mg/L	541.9 ppm
1	Mg 279.079	704137.4	705152.5	72.15 mg/L	3607 ppm
1	Mn 257.610	2303942.7	2307325.9	5.387 mg/L	269.4 ppm
1	Mo 202.030	-59.1	55.3	-0.0021 mg/L	-0.1055 ppm
1	Na 330.237	1664.5	430.5	1.630 mg/L	81.51 ppm
1	Ni 231.604	21761.7	21814.8	0.5423 mg/L	27.12 ppm
1	Pb 220.353	1412.7	1078.2	0.0711 mg/L	3.553 ppm
1	Sb 206.833	84.0	53.2	0.0043 mg/L	0.2163 ppm
1	Se 196.026	-175.2	-179.7	-0.0130 mg/L	-0.6497 ppm
1	Tl 190.800	-17.3	16.5	0.0064 mg/L	0.3192 ppm
1	V 292.402	35010.7	34728.1	0.3626 mg/L	18.13 ppm
1	Zn 213.856	19102.5	19146.2	0.3465 mg/L	17.33 ppm
2	Ag 328.068	-136.1	284.4	0.0037 mg/L	0.1860 ppm
2	Al 308.215	666425.3	665982.8	71.24 mg/L	3562 ppm
2	As 188.979	300.5	310.8	0.1361 mg/L	6.804 ppm
2	Ba 233.527	15765.5	16198.3	0.1528 mg/L	7.641 ppm
2	Be 313.107	-7533.3	-5232.5	-0.0021 mg/L	-0.1056 ppm
2	Ca 227.547	15722.1	15754.4	189.2 mg/L	9459 ppm
2	Cd 228.802	76.5	-49.4	-0.0012 mg/L	-0.0596 ppm
2	Co 228.616	4682.3	4610.8	0.1268 mg/L	6.339 ppm
2	Cr 267.716	22929.7	22992.7	0.4946 mg/L	24.73 ppm
2	Cu 324.754	6171.5	5623.0	0.0658 mg/L	3.292 ppm
2	Fe 273.955	5068089.8	5068269.4	238.0 mg/L	11900 ppm
2	K 766.491	633839.4	627752.1	11.29 mg/L	564.5 ppm
2	Mg 279.079	700024.6	701039.7	71.73 mg/L	3586 ppm
2	Mn 257.610	2382969.0	2386352.2	5.572 mg/L	278.6 ppm
2	Mo 202.030	-142.2	-27.8	-0.0083 mg/L	-0.4173 ppm
2	Na 330.237	1679.1	445.0	1.664 mg/L	83.21 ppm
2	Ni 231.604	22058.4	22111.5	0.5497 mg/L	27.49 ppm
2	Pb 220.353	1173.4	838.9	0.0542 mg/L	2.712 ppm
2	Sb 206.833	78.6	47.8	0.0017 mg/L	0.0834 ppm
2	Se 196.026	-59.9	-64.3	0.0233 mg/L	1.165 ppm
2	Tl 190.800	-100.2	-66.4	-0.0197 mg/L	-0.9827 ppm
2	V 292.402	35107.5	34825.0	0.3641 mg/L	18.20 ppm
2	Zn 213.856	19221.0	19264.7	0.3484 mg/L	17.42 ppm
3	Ag 328.068	-182.1	238.4	0.0031 mg/L	0.1559 ppm
3	Al 308.215	661975.5	661533.0	70.76 mg/L	3538 ppm
3	As 188.979	318.4	328.7	0.1419 mg/L	7.093 ppm

3 Ba 233.527	15312.9	15745.7	0.1486 mg/L	7.428 ppm
3 Be 313.107	-7631.3	-5330.6	-0.0022 mg/L	-0.1076 ppm
3 Ca 227.547	15154.8	15187.2	182.3 mg/L	9117 ppm
3 Cd 228.802	7.2	-118.7	-0.0029 mg/L	-0.1431 ppm
3 Co 228.616	4606.8	4535.3	0.1247 mg/L	6.235 ppm
3 Cr 267.716	22189.5	22252.4	0.4787 mg/L	23.93 ppm
3 Cu 324.754	6204.7	5656.2	0.0657 mg/L	3.285 ppm
3 Fe 273.955	4933192.3	4933371.9	231.6 mg/L	11580 ppm
3 K 766.491	628049.7	621962.4	11.20 mg/L	559.8 ppm
3 Mg 279.079	690822.9	691838.1	70.79 mg/L	3539 ppm
3 Mn 257.610	2313437.6	2316820.8	5.410 mg/L	270.5 ppm
3 Mo 202.030	-115.6	-1.2	-0.0062 mg/L	-0.3122 ppm
3 Na 330.237	1510.9	276.9	1.271 mg/L	63.54 ppm
3 Ni 231.604	21424.2	21477.3	0.5340 mg/L	26.70 ppm
3 Pb 220.353	1226.9	892.4	0.0582 mg/L	2.910 ppm
3 Sb 206.833	85.8	55.1	0.0051 mg/L	0.2528 ppm
3 Se 196.026	-130.1	-134.6	0.0008 mg/L	0.0420 ppm
3 Tl 190.800	-80.5	-46.7	-0.0135 mg/L	-0.6740 ppm
3 V 292.402	34819.7	34537.1	0.3607 mg/L	18.04 ppm
3 Zn 213.856	18771.7	18815.4	0.3403 mg/L	17.01 ppm

Mean Data

ID: 2905-8 F=50

Sample Qty: 1.0000 mL

Seq. No.: 86

Sample No.: 60

A/S Pos: 69

Prep. Vol.: 1.0 mL

Dilution:

1.0:

50.0

Data: Original

Date: 04/28/03 03:28:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	254.9	0.0033	0.00033	mg/L	0.1667	0.01671	ppm	10.02%
Al 308.215	662933.5	70.91	0.283	mg/L	3546	14.1	ppm	0.40%
As 188.979	333.3	0.1437	0.00868	mg/L	7.185	0.4342	ppm	6.04%
Ba 233.527	16045.4	0.1513	0.00239	mg/L	7.566	0.1196	ppm	1.58%
Be 313.107	-5305.5	-0.0021	0.00003	mg/L	-0.1071	0.00130	ppm	1.21%
Ca 227.547	15490.9	186.0	3.45	mg/L	9301	172.3	ppm	1.85%
Cd 228.802	-82.0	-0.0020	0.00084	mg/L	-0.0989	0.04197	ppm	42.43%
Co 228.616	4566.7	0.1256	0.00108	mg/L	6.278	0.0541	ppm	0.86%
Cr 267.716	22588.2	0.4860	0.00808	mg/L	24.30	0.404	ppm	1.66%
Cu 324.754	5565.6	0.0650	0.00129	mg/L	3.251	0.0644	ppm	1.98%
Fe 273.955	4972391.7	233.5	3.92	mg/L	11670	196.0	ppm	1.68%
K 766.491	616672.5	11.11	0.239	mg/L	555.4	11.95	ppm	2.15%
Mg 279.079	699343.4	71.56	0.698	mg/L	3578	34.9	ppm	0.97%
Mn 257.610	2336833.0	5.456	0.1007	mg/L	272.8	5.04	ppm	1.85%
Mo 202.030	8.8	-0.0056	0.00317	mg/L	-0.2783	0.15865	ppm	57.00%
Na 330.237	384.1	1.522	0.2180	mg/L	76.08	10.899	ppm	14.32%
Ni 231.604	21801.2	0.5420	0.00789	mg/L	27.10	0.394	ppm	1.46%
Pb 220.353	936.5	0.0612	0.00879	mg/L	3.058	0.4395	ppm	14.37%
Sb 206.833	52.0	0.0037	0.00178	mg/L	0.1842	0.08918	ppm	48.42%
Se 196.026	-126.2	0.0037	0.01832	mg/L	0.1859	0.91612	ppm	492.81%
Tl 190.800	-32.2	-0.0089	0.01361	mg/L	-0.4458	0.68030	ppm	152.59%
V 292.402	34696.7	0.3625	0.00168	mg/L	18.12	0.084	ppm	0.46%
Zn 213.856	19075.4	0.3451	0.00424	mg/L	17.25	0.212	ppm	1.23%

Replicate Data

ID: 2905-9 F=50

Date: 04/28/03 03:31:33 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	-473.8	-53.3	-0.0007 mg/L	-0.0349 ppm
1 Al 308.215	1824920.2	1824477.7	195.2 mg/L	9758 ppm
1 As 188.979	26.4	36.8	0.0363 mg/L	1.813 ppm
1 Ba 233.527	210818.0	211250.9	1.917 mg/L	95.85 ppm
1 Be 313.107	7439.5	9740.2	0.0039 mg/L	0.1966 ppm
1 Ca 227.547	12386.9	12419.2	148.6 mg/L	7428 ppm
1 Cd 228.802	123.0	-2.9	-0.0001 mg/L	-0.0035 ppm
1 Co 228.616	4750.5	4679.0	0.1287 mg/L	6.433 ppm
1 Cr 267.716	12686.2	12749.1	0.2711 mg/L	13.56 ppm
1 Cu 324.754	28439.7	27891.2	0.2624 mg/L	13.12 ppm
1 Fe 273.955	5301633.3	5301813.0	248.9 mg/L	12450 ppm
1 K 766.491	1729135.8	1723048.5	27.47 mg/L	1374 ppm
1 Mg 279.079	589370.1	590385.3	60.41 mg/L	3020 ppm
1 Mn 257.610	1891512.8	1894896.1	4.424 mg/L	221.2 ppm
1 Mo 202.030	-118.0	-3.6	-0.0069 mg/L	-0.3438 ppm

1 Na 330.237	2559.7	1325.6	3.720 mg/L	186.0 ppm
1 Ni 231.604	12570.2	12623.2	0.3138 mg/L	15.69 ppm
1 Pb 220.353	2456.6	2122.0	0.1531 mg/L	7.654 ppm
1 Sb 206.833	97.3	66.6	0.0110 mg/L	0.5490 ppm
1 Se 196.026	-104.9	-109.4	0.0116 mg/L	0.5804 ppm
1 Tl 190.800	-89.4	-55.6	-0.0158 mg/L	-0.7919 ppm
1 V 292.402	55126.1	54843.5	0.5633 mg/L	28.17 ppm
1 Zn 213.856	30092.1	30135.8	0.5516 mg/L	27.58 ppm

2 Ag 328.068	-482.7	-62.2	-0.0008 mg/L	-0.0407 ppm
2 Al 308.215	1808469.9	1808027.4	193.4 mg/L	9670 ppm
2 As 188.979	9.7	20.1	0.0300 mg/L	1.501 ppm
2 Ba 233.527	207311.7	207744.6	1.885 mg/L	94.26 ppm
2 Be 313.107	7375.4	9676.1	0.0039 mg/L	0.1953 ppm
2 Ca 227.547	12620.1	12652.5	151.4 mg/L	7571 ppm
2 Cd 228.802	118.0	-7.9	-0.0002 mg/L	-0.0096 ppm
2 Co 228.616	4719.5	4648.0	0.1278 mg/L	6.390 ppm
2 Cr 267.716	12932.4	12995.3	0.2765 mg/L	13.83 ppm
2 Cu 324.754	28070.0	27521.5	0.2589 mg/L	12.95 ppm
2 Fe 273.955	5249953.5	5250133.2	246.5 mg/L	12320 ppm
2 K 766.491	1781493.8	1775406.5	28.17 mg/L	1409 ppm
2 Mg 279.079	577959.7	578974.8	59.24 mg/L	2962 ppm
2 Mn 257.610	1856576.9	1859960.1	4.343 mg/L	217.1 ppm
2 Mo 202.030	-120.8	-6.3	-0.0070 mg/L	-0.3506 ppm
2 Na 330.237	2624.4	1390.4	3.871 mg/L	193.6 ppm
2 Ni 231.604	12534.6	12587.7	0.3129 mg/L	15.65 ppm
2 Pb 220.353	2412.7	2078.2	0.1500 mg/L	7.498 ppm
2 Sb 206.833	42.9	12.2	-0.0106 mg/L	-0.5317 ppm
2 Se 196.026	-155.6	-160.1	-0.0042 mg/L	-0.2108 ppm
2 Tl 190.800	-86.0	-52.2	-0.0148 mg/L	-0.7397 ppm
2 V 292.402	54256.7	53974.1	0.5545 mg/L	27.72 ppm
2 Zn 213.856	30499.5	30543.2	0.5594 mg/L	27.97 ppm

3 Ag 328.068	-420.0	0.5	0.0000 mg/L	0.0003 ppm
3 Al 308.215	1778373.8	1777931.3	190.2 mg/L	9509 ppm
3 As 188.979	17.4	27.8	0.0329 mg/L	1.644 ppm
3 Ba 233.527	204183.6	204616.5	1.857 mg/L	92.85 ppm
3 Be 313.107	7333.0	9633.7	0.0039 mg/L	0.1945 ppm
3 Ca 227.547	12916.3	12948.7	155.0 mg/L	7750 ppm
3 Cd 228.802	93.0	-32.9	-0.0008 mg/L	-0.0397 ppm
3 Co 228.616	4762.1	4690.6	0.1290 mg/L	6.448 ppm
3 Cr 267.716	13156.4	13219.3	0.2814 mg/L	14.07 ppm
3 Cu 324.754	27921.1	27372.6	0.2577 mg/L	12.89 ppm
3 Fe 273.955	5271614.6	5271794.3	247.5 mg/L	12380 ppm
3 K 766.491	1845112.5	1839025.2	29.02 mg/L	1451 ppm
3 Mg 279.079	567583.9	568599.0	58.18 mg/L	2909 ppm
3 Mn 257.610	1831841.6	1835224.8	4.285 mg/L	214.3 ppm
3 Mo 202.030	-113.2	1.2	-0.0065 mg/L	-0.3244 ppm
3 Na 330.237	2391.5	1157.4	3.328 mg/L	166.4 ppm
3 Ni 231.604	12831.8	12880.9	0.3203 mg/L	16.02 ppm
3 Pb 220.353	2446.2	2111.6	0.1520 mg/L	7.598 ppm
3 Sb 206.833	95.2	64.5	0.0102 mg/L	0.5111 ppm
3 Se 196.026	-90.2	-94.6	0.0158 mg/L	0.7918 ppm
3 Tl 190.800	-87.7	-53.9	-0.0154 mg/L	-0.7678 ppm
3 V 292.402	53280.4	52997.8	0.5449 mg/L	27.25 ppm
3 Zn 213.856	31250.2	31293.9	0.5734 mg/L	28.67 ppm

Mean Data

ID: 2905-9 F=50

Sample Qty: 1.0000 mL

Seq. No.: 87

Prep. Vol.:

Data: Original

Sample No.: 61

1.0 mL

A/S Pos: 70

Dilution:

1.0:

50.0

Date: 04/28/03 03:31:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib	Mean Conc.	Std.Dev. Units	Sample	RSD
Ag 328.068	-38.4	-0.0005	0.00044	mg/L	-0.0251	0.02218	ppm	88.40%
Al 308.215	1803478.8	192.9	2.52	mg/L	9646	126.2	ppm	1.31%
As 188.979	28.2	0.0331	0.00312	mg/L	1.653	0.1559	ppm	9.43%
Ba 233.527	207870.6	1.886	0.0300	mg/L	94.32	1.502	ppm	1.59%
Be 313.107	9683.3	0.0039	0.00002	mg/L	0.1955	0.00108	ppm	0.55%
Ca 227.547	12673.4	151.7	3.23	mg/L	7583	161.5	ppm	2.13%
Cd 228.802	-14.6	-0.0004	0.00039	mg/L	-0.0176	0.01942	ppm	110.46%
Co 228.616	4672.5	0.1285	0.00061	mg/L	6.424	0.0303	ppm	0.47%
Cr 267.716	12987.9	0.2764	0.00514	mg/L	13.82	0.257	ppm	1.86%

Cu 324.754	27595.1	0.2597	0.00241 mg/L	12.98	0.121 ppm	0.93%
Fe 273.955	5274580.1	247.6	1.22 mg/L	12380	60.9 ppm	0.49%
K 766.491	1779160.1	28.22	0.772 mg/L	1411	38.6 ppm	2.73%
Mg 279.079	579319.7	59.27	1.115 mg/L	2964	55.7 ppm	1.88%
Mn 257.610	1863360.3	4.351	0.0700 mg/L	217.5	3.50 ppm	1.61%
Mo 202.030	-2.9	-0.0068	0.00027 mg/L	-0.3396	0.01358 ppm	4.00%
Na 330.237	1291.1	3.640	0.2803 mg/L	182.0	14.02 ppm	7.70%
Ni 231.604	12698.6	0.3157	0.00403 mg/L	15.79	0.202 ppm	1.28%
Pb 220.353	2104.0	0.1517	0.00158 mg/L	7.584	0.0790 ppm	1.04%
Sb 206.833	47.7	0.0035	0.01227 mg/L	0.1761	0.61332 ppm	348.20%
Se 196.026	-121.4	0.0077	0.01057 mg/L	0.3872	0.52849 ppm	136.51%
Tl 190.800	-53.9	-0.0153	0.00052 mg/L	-0.7665	0.02610 ppm	3.41%
V 292.402	53938.5	0.5542	0.00920 mg/L	27.71	0.460 ppm	1.66%
Zn 213.856	30657.6	0.5615	0.01105 mg/L	28.07	0.552 ppm	1.97%

Replicate Data -----

ID: 2905-10 F=50

Date: 04/28/03 03:34:11 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-277.6	142.9	0.0019 mg/L	0.0934 ppm
1	Al 308.215	918213.9	917771.4	98.17 mg/L	4909 ppm
1	As 188.979	61.9	72.2	0.0469 mg/L	2.344 ppm
1	Ba 233.527	52945.6	53378.5	0.4878 mg/L	24.39 ppm
1	Be 313.107	-13696.6	-11395.9	-0.0046 mg/L	-0.2301 ppm
1	Ca 227.547	14481.7	14514.0	176.3 mg/L	8817 ppm
1	Cd 228.802	152.0	26.1	0.0006 mg/L	0.0315 ppm
1	Co 228.616	4229.0	4157.5	0.1143 mg/L	5.716 ppm
1	Cr 267.716	32642.4	32705.3	0.7076 mg/L	35.38 ppm
1	Cu 324.754	13937.9	13389.4	0.1308 mg/L	6.542 ppm
1	Fe 273.955	4055452.2	4055631.9	190.4 mg/L	9521 ppm
1	K 766.491	591695.8	585608.5	10.59 mg/L	529.7 ppm
1	Mg 279.079	516528.3	517543.5	52.95 mg/L	2648 ppm
1	Mn 257.610	978879.7	982262.9	2.294 mg/L	114.7 ppm
1	Mo 202.030	-130.1	-15.7	-0.0062 mg/L	-0.3101 ppm
1	Na 330.237	1174.3	-59.8	0.4825 mg/L	24.12 ppm
1	Ni 231.604	23718.8	23771.9	0.5910 mg/L	29.55 ppm
1	Pb 220.353	931.0	596.5	0.0414 mg/L	2.068 ppm
1	Sb 206.833	2.5	-28.3	-0.0268 mg/L	-1.342 ppm
1	Se 196.026	-50.5	-55.0	0.0176 mg/L	0.8798 ppm
1	Tl 190.800	-141.1	-107.3	-0.0330 mg/L	-1.648 ppm
1	V 292.402	44742.7	44460.1	0.4557 mg/L	22.79 ppm
1	Zn 213.856	19607.4	19651.1	0.3582 mg/L	17.91 ppm
2	Ag 328.068	-360.3	60.2	0.0008 mg/L	0.0394 ppm
2	Al 308.215	850497.6	850055.0	90.93 mg/L	4546 ppm
2	As 188.979	54.6	64.9	0.0431 mg/L	2.154 ppm
2	Ba 233.527	49004.1	49437.0	0.4471 mg/L	22.35 ppm
2	Be 313.107	-12919.0	-10618.3	-0.0043 mg/L	-0.2144 ppm
2	Ca 227.547	14173.6	14205.9	172.6 mg/L	8630 ppm
2	Cd 228.802	122.4	-3.5	-0.0001 mg/L	-0.0043 ppm
2	Co 228.616	4103.3	4031.8	0.1109 mg/L	5.543 ppm
2	Cr 267.716	31990.3	32053.2	0.6937 mg/L	34.69 ppm
2	Cu 324.754	13232.8	12684.3	0.1238 mg/L	6.191 ppm
2	Fe 273.955	3799404.9	3799584.5	178.4 mg/L	8920 ppm
2	K 766.491	556149.3	550062.0	10.00 mg/L	500.0 ppm
2	Mg 279.079	483616.2	484631.4	49.59 mg/L	2479 ppm
2	Mn 257.610	912186.2	915569.4	2.138 mg/L	106.9 ppm
2	Mo 202.030	-106.2	8.2	-0.0041 mg/L	-0.2071 ppm
2	Na 330.237	1439.2	205.2	1.103 mg/L	55.15 ppm
2	Ni 231.604	23092.7	23145.8	0.5754 mg/L	28.77 ppm
2	Pb 220.353	1036.3	701.8	0.0485 mg/L	2.425 ppm
2	Sb 206.833	39.7	9.0	-0.0111 mg/L	-0.5555 ppm
2	Se 196.026	-75.1	-79.5	0.0080 mg/L	0.3987 ppm
2	Tl 190.800	-103.1	-69.3	-0.0211 mg/L	-1.055 ppm
2	V 292.402	41611.8	41329.3	0.4238 mg/L	21.19 ppm
2	Zn 213.856	18983.9	19027.6	0.3471 mg/L	17.36 ppm
3	Ag 328.068	-235.4	185.1	0.0024 mg/L	0.1210 ppm
3	Al 308.215	871461.4	871018.8	93.17 mg/L	4659 ppm
3	As 188.979	79.5	89.8	0.0522 mg/L	2.612 ppm
3	Ba 233.527	50350.3	50783.2	0.4592 mg/L	22.96 ppm

3 Be 313.107	-13166.0	-10865.3	-0.0044 mg/L	-0.2194 ppm
3 Ca 227.547	13923.9	13956.3	169.6 mg/L	8478 ppm
3 Cd 228.802	85.6	-40.3	-0.0010 mg/L	-0.0486 ppm
3 Co 228.616	3988.9	3917.4	0.1077 mg/L	5.385 ppm
3 Cr 267.716	31346.6	31409.5	0.6796 mg/L	33.98 ppm
3 Cu 324.754	13528.6	12980.1	0.1266 mg/L	6.331 ppm
3 Fe 273.955	3863859.4	3864039.1	181.4 mg/L	9071 ppm
3 K 766.491	557764.1	551676.8	10.03 mg/L	501.4 ppm
3 Mg 279.079	491357.2	492372.3	50.38 mg/L	2519 ppm
3 Mn 257.610	927794.8	931178.0	2.174 mg/L	108.7 ppm
3 Mo 202.030	-127.3	-12.8	-0.0058 mg/L	-0.2878 ppm
3 Na 330.237	1174.3	-59.7	0.4825 mg/L	24.13 ppm
3 Ni 231.604	22879.9	22933.0	0.5701 mg/L	28.51 ppm
3 Pb 220.353	952.4	617.9	0.0428 mg/L	2.140 ppm
3 Sb 206.833	28.1	-2.7	-0.0159 mg/L	-0.7949 ppm
3 Se 196.026	-62.7	-67.1	0.0123 mg/L	0.6138 ppm
3 Tl 190.800	-58.5	-24.6	-0.0070 mg/L	-0.3517 ppm
3 V 292.402	42657.3	42374.7	0.4344 mg/L	21.72 ppm
3 Zn 213.856	18790.2	18833.9	0.3433 mg/L	17.17 ppm

Mean Data

ID: 2905-10 F=50

Sample Qty: 1.0000 mL

Seq. No.: 88

Sample No.: 62

A/S Pos: 71

Prep. Vol.: 1.0 mL

Dilution: 1.0: 50.0

Data: Original

Date: 04/28/03 03:34:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	129.4	0.0017	0.00083	mg/L	0.0846	0.04154	ppm	49.10%
Al 308.215	879615.1	94.09	3.708	mg/L	4705	185.4	ppm	3.94%
As 188.979	75.6	0.0474	0.00461	mg/L	2.370	0.2303	ppm	9.72%
Ba 233.527	51199.5	0.4647	0.02090	mg/L	23.24	1.045	ppm	4.50%
Be 313.107	-10959.8	-0.0044	0.00016	mg/L	-0.2213	0.00802	ppm	3.63%
Ca 227.547	14225.4	172.8	3.39	mg/L	8642	169.7	ppm	1.96%
Cd 228.802	-5.9	-0.0001	0.00080	mg/L	-0.0071	0.04012	ppm	564.03%
Co 228.616	4035.6	0.1110	0.00330	mg/L	5.548	0.1651	ppm	2.98%
Cr 267.716	32056.0	0.6936	0.01400	mg/L	34.68	0.700	ppm	2.02%
Cu 324.754	13018.0	0.1271	0.00354	mg/L	6.354	0.1769	ppm	2.78%
Fe 273.955	3906418.5	183.4	6.25	mg/L	9170	312.6	ppm	3.41%
K 766.491	562449.1	10.21	0.335	mg/L	510.3	16.75	ppm	3.28%
Mg 279.079	498182.4	50.97	1.761	mg/L	2549	88.0	ppm	3.45%
Mn 257.610	943003.4	2.202	0.0815	mg/L	110.1	4.07	ppm	3.70%
Mo 202.030	-6.8	-0.0054	0.00108	mg/L	-0.2683	0.05419	ppm	20.20%
Na 330.237	28.6	0.6893	0.35825	mg/L	34.47	17.912	ppm	51.97%
Ni 231.604	23283.5	0.5789	0.01084	mg/L	28.94	0.542	ppm	1.87%
Pb 220.353	638.7	0.0442	0.00378	mg/L	2.211	0.1890	ppm	8.55%
Sb 206.833	-7.3	-0.0179	0.00806	mg/L	-0.8974	0.40311	ppm	44.92%
Se 196.026	-67.2	0.0126	0.00482	mg/L	0.6308	0.24102	ppm	38.21%
Tl 190.800	-67.1	-0.0204	0.01298	mg/L	-1.018	0.6490	ppm	63.73%
V 292.402	42721.4	0.4380	0.01629	mg/L	21.90	0.815	ppm	3.72%
Zn 213.856	19170.8	0.3496	0.00771	mg/L	17.48	0.385	ppm	2.20%

Replicate Data

ID: CCV 1447B

Date: 04/28/03 03:36:48 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	71080.6	71501.1	0.9351 mg/L	
1	Al 308.215	44976.6	44534.1	4.764 mg/L	
1	As 188.979	1335.5	1345.9	0.4861 mg/L	
1	Ba 233.527	516876.2	517309.1	4.678 mg/L	
1	Be 313.107	1169009.8	1171310.6	0.4729 mg/L	
1	Ca 227.547	4089.7	4122.0	50.08 mg/L	
1	Cd 228.802	40484.3	40358.4	0.9735 mg/L	
1	Co 228.616	69336.7	69265.2	1.904 mg/L	
1	Cr 267.716	21934.4	21997.3	0.4794 mg/L	
1	Cu 324.754	214305.6	213757.1	1.879 mg/L	
1	Fe 273.955	100629.4	100809.0	4.723 mg/L	
1	K 766.491	858549.3	852462.0	14.90 mg/L	
1	Mg 279.079	228901.7	229916.8	23.52 mg/L	
1	Mn 257.610	803998.1	807381.3	1.885 mg/L	
1	Mo 202.030	26256.8	26371.2	1.919 mg/L	
1	Na 330.237	46159.6	44925.6	98.24 mg/L	

1 Ni 231.604	77357.5	77410.6	1.925 mg/L
1 Pb 220.353	7606.7	7272.1	0.5039 mg/L
1 Sb 206.833	4977.1	4946.3	1.981 mg/L
1 Se 196.026	1610.7	1606.3	0.4876 mg/L
1 Tl 190.800	1489.2	1523.0	0.4817 mg/L
1 V 292.402	190847.9	190565.3	1.888 mg/L
1 Zn 213.856	103868.2	103911.9	1.949 mg/L

2 Ag 328.068	73027.9	73448.4	0.9606 mg/L
2 Al 308.215	46620.9	46178.4	4.940 mg/L
2 As 188.979	1401.8	1412.1	0.5100 mg/L
2 Ba 233.527	529963.6	530396.5	4.797 mg/L
2 Be 313.107	1209334.7	1211635.4	0.4892 mg/L
2 Ca 227.547	4108.9	4141.2	50.31 mg/L
2 Cd 228.802	40685.8	40559.9	0.9784 mg/L
2 Co 228.616	71592.4	71520.9	1.966 mg/L
2 Cr 267.716	22086.1	22149.0	0.4827 mg/L
2 Cu 324.754	221954.9	221406.4	1.946 mg/L
2 Fe 273.955	103458.4	103638.0	4.856 mg/L
2 K 766.491	890224.9	884137.6	15.39 mg/L
2 Mg 279.079	233990.7	235005.8	24.05 mg/L
2 Mn 257.610	828233.4	831616.6	1.942 mg/L
2 Mo 202.030	26377.7	26492.2	1.928 mg/L
2 Na 330.237	47827.7	46593.7	101.6 mg/L
2 Ni 231.604	79591.1	79644.2	1.980 mg/L
2 Pb 220.353	7553.0	7218.5	0.5002 mg/L
2 Sb 206.833	5021.7	4990.9	1.999 mg/L
2 Se 196.026	1626.6	1622.1	0.4925 mg/L
2 Tl 190.800	1534.2	1568.1	0.4959 mg/L
2 V 292.402	197605.0	197322.4	1.955 mg/L
2 Zn 213.856	107620.5	107664.2	2.019 mg/L

3 Ag 328.068	71586.4	72006.9	0.9417 mg/L
3 Al 308.215	45537.4	45094.9	4.824 mg/L
3 As 188.979	1440.2	1450.5	0.5238 mg/L
3 Ba 233.527	517454.9	517887.7	4.683 mg/L
3 Be 313.107	1175690.7	1177991.4	0.4756 mg/L
3 Ca 227.547	4129.7	4162.0	50.57 mg/L
3 Cd 228.802	41201.9	41076.0	0.9908 mg/L
3 Co 228.616	69737.5	69666.0	1.915 mg/L
3 Cr 267.716	22508.1	22571.0	0.4919 mg/L
3 Cu 324.754	215858.2	215309.7	1.893 mg/L
3 Fe 273.955	101331.2	101510.8	4.756 mg/L
3 K 766.491	860884.6	854797.3	14.93 mg/L
3 Mg 279.079	229210.5	230225.6	23.56 mg/L
3 Mn 257.610	807050.9	810434.1	1.892 mg/L
3 Mo 202.030	26854.2	26968.6	1.963 mg/L
3 Na 330.237	46259.7	45025.7	98.44 mg/L
3 Ni 231.604	77737.4	77790.5	1.934 mg/L
3 Pb 220.353	7757.1	7422.5	0.5143 mg/L
3 Sb 206.833	5150.9	5120.2	2.051 mg/L
3 Se 196.026	1681.7	1677.3	0.5092 mg/L
3 Tl 190.800	1573.7	1607.5	0.5083 mg/L
3 V 292.402	192453.9	192171.3	1.904 mg/L
3 Zn 213.856	104932.0	104975.7	1.969 mg/L

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 89

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 5

1.0 L

A/S Pos: 6

Dilution:

1.0:

1.0

Date: 04/28/03

03:36:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	72318.8	0.9458	0.01321	mg/L				1.40%
Al 308.215	45269.1	4.842	0.0894	mg/L				1.85%
As 188.979	1402.8	0.5066	0.01906	mg/L				3.76%
Ba 233.527	521864.4	4.719	0.0669	mg/L				1.42%
Be 313.107	1186979.1	0.4793	0.00873	mg/L				1.82%
Ca 227.547	4141.8	50.32	0.243	mg/L				0.48%
Cd 228.802	40664.8	0.9809	0.00893	mg/L				0.91%
Co 228.616	70150.7	1.929	0.0331	mg/L				1.72%
Cr 267.716	22239.1	0.4846	0.00648	mg/L				1.34%
Cu 324.754	216824.4	1.906	0.0355	mg/L				1.86%

Fe 273.955	101986.0	4.778	0.0690 mg/L	1.44%
K 766.491	863799.0	15.07	0.276 mg/L	1.83%
Mg 279.079	231716.0	23.71	0.292 mg/L	1.23%
Mn 257.610	816477.4	1.906	0.0308 mg/L	1.62%
Mo 202.030	26610.7	1.937	0.0230 mg/L	1.19%
Na 330.237	45515.0	99.43	1.891 mg/L	1.90%
Ni 231.604	78281.8	1.946	0.0297 mg/L	1.53%
Pb 220.353	7304.4	0.5061	0.00733 mg/L	1.45%
Sb 206.833	5019.1	2.010	0.0361 mg/L	1.80%
Se 196.026	1635.2	0.4964	0.01131 mg/L	2.28%
Tl 190.800	1566.2	0.4953	0.01332 mg/L	2.69%
V 292.402	193353.0	1.916	0.0350 mg/L	1.83%
Zn 213.856	105517.3	1.979	0.0363 mg/L	1.83%

Replicate Data

ID: CCB

Date: 04/28/03 03:39:38 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-397.3	23.2	0.0003	mg/L		
1	Al 308.215	423.2	-19.4	-0.0021	mg/L		
1	As 188.979	-18.1	-7.8	-0.0028	mg/L		
1	Ba 233.527	-385.3	47.6	0.0004	mg/L		
1	Be 313.107	-2167.4	133.3	0.0001	mg/L		
1	Ca 227.547	-33.7	-1.3	-0.0160	mg/L		
1	Cd 228.802	124.8	-1.1	0.0000	mg/L		
1	Co 228.616	67.7	-3.8	-0.0001	mg/L		
1	Cr 267.716	-69.9	-7.0	-0.0002	mg/L		
1	Cu 324.754	422.5	-126.0	-0.0011	mg/L		
1	Fe 273.955	-163.7	16.0	0.0008	mg/L		
1	K 766.491	6052.9	-34.4	0.0698	mg/L		
1	Mg 279.079	-958.8	56.4	0.0058	mg/L		
1	Mn 257.610	-3181.2	202.0	0.0005	mg/L		
1	Mo 202.030	-92.0	22.4	0.0016	mg/L		
1	Na 330.237	1094.8	-139.2	0.2963	mg/L		
1	Ni 231.604	-44.5	8.6	0.0002	mg/L		
1	Pb 220.353	310.2	-24.3	-0.0017	mg/L		
1	Sb 206.833	33.4	2.7	0.0011	mg/L		
1	Se 196.026	-4.1	-8.6	-0.0026	mg/L		
1	Tl 190.800	-35.6	-1.8	-0.0006	mg/L		
1	V 292.402	298.2	15.7	0.0002	mg/L		
1	Zn 213.856	-41.6	2.1	0.0000	mg/L		
2	Ag 328.068	-334.8	85.7	0.0011	mg/L		
2	Al 308.215	421.6	-20.9	-0.0022	mg/L		
2	As 188.979	-6.5	3.9	0.0014	mg/L		
2	Ba 233.527	-407.0	25.9	0.0002	mg/L		
2	Be 313.107	-2133.9	166.8	0.0001	mg/L		
2	Ca 227.547	-35.4	-3.0	-0.0369	mg/L		
2	Cd 228.802	107.5	-18.4	-0.0004	mg/L		
2	Co 228.616	63.4	-8.1	-0.0002	mg/L		
2	Cr 267.716	-73.4	-10.5	-0.0002	mg/L		
2	Cu 324.754	533.1	-15.4	-0.0001	mg/L		
2	Fe 273.955	-155.7	23.9	0.0011	mg/L		
2	K 766.491	5750.1	-337.2	0.0638	mg/L		
2	Mg 279.079	-984.3	30.8	0.0032	mg/L		
2	Mn 257.610	-3168.0	215.2	0.0005	mg/L		
2	Mo 202.030	-104.9	9.6	0.0007	mg/L		
2	Na 330.237	1097.2	-136.8	0.3019	mg/L		
2	Ni 231.604	-36.8	16.3	0.0004	mg/L		
2	Pb 220.353	309.1	-25.4	-0.0018	mg/L		
2	Sb 206.833	29.0	-1.8	-0.0007	mg/L		
2	Se 196.026	-1.1	-5.6	-0.0017	mg/L		
2	Tl 190.800	-28.2	5.6	0.0018	mg/L		
2	V 292.402	105.0	-177.6	-0.0018	mg/L		
2	Zn 213.856	-52.3	-8.6	-0.0002	mg/L		
3	Ag 328.068	-342.9	77.6	0.0010	mg/L		
3	Al 308.215	409.5	-33.0	-0.0035	mg/L		
3	As 188.979	-15.9	-5.5	-0.0020	mg/L		
3	Ba 233.527	-405.8	27.1	0.0002	mg/L		
3	Be 313.107	-2214.6	86.1	0.0000	mg/L		

3 Ca 227.547	-31.1	1.2	0.0148 mg/L
3 Cd 228.802	109.5	-16.4	-0.0004 mg/L
3 Co 228.616	80.0	8.5	0.0002 mg/L
3 Cr 267.716	-45.2	17.7	0.0004 mg/L
3 Cu 324.754	487.6	-60.9	-0.0005 mg/L
3 Fe 273.955	-156.2	23.4	0.0011 mg/L
3 K 766.491	5299.2	-788.1	0.0550 mg/L
3 Mg 279.079	-1119.9	-104.8	-0.0107 mg/L
3 Mn 257.610	-3205.9	177.3	0.0004 mg/L
3 Mo 202.030	-104.4	10.0	0.0007 mg/L
3 Na 330.237	1262.9	28.9	0.6901 mg/L
3 Ni 231.604	-40.9	12.2	0.0003 mg/L
3 Pb 220.353	304.9	-29.7	-0.0021 mg/L
3 Sb 206.833	23.6	-7.2	-0.0029 mg/L
3 Se 196.026	-0.5	-5.0	-0.0015 mg/L
3 Tl 190.800	-39.4	-5.6	-0.0018 mg/L
3 V 292.402	241.3	-41.3	-0.0004 mg/L
3 Zn 213.856	-48.7	-5.0	-0.0001 mg/L

Mean Data

ID: CCB Seq. No.: 90 Sample No.: 6 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/28/03 03:39:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Units	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	62.2	0.0008	0.00044	mg/L				54.71%
Al 308.215	-24.4	-0.0026	0.00080	mg/L				30.57%
As 188.979	-3.2	-0.0011	0.00223	mg/L				196.87%
Ba 233.527	33.5	0.0003	0.00011	mg/L				36.42%
Be 313.107	128.8	0.0001	0.00002	mg/L				31.50%
Ca 227.547	-1.0	-0.0127	0.02600	mg/L				204.64%
Cd 228.802	-12.0	-0.0003	0.00023	mg/L				78.94%
Co 228.616	-1.1	0.0000	0.00024	mg/L				756.04%
Cr 267.716	0.1	0.0000	0.00033	mg/L				>999.9%
Cu 324.754	-67.4	-0.0006	0.00049	mg/L				82.38%
Fe 273.955	21.1	0.0010	0.00021	mg/L				21.11%
K 766.491	-386.6	0.0629	0.00742	mg/L				11.80%
Mg 279.079	-5.9	-0.0006	0.00886	mg/L				>999.9%
Mn 257.610	198.2	0.0005	0.00004	mg/L				9.71%
Mo 202.030	14.0	0.0010	0.00053	mg/L				52.00%
Na 330.237	-82.4	0.4294	0.22578	mg/L				52.58%
Ni 231.604	12.3	0.0003	0.00010	mg/L				31.24%
Pb 220.353	-26.5	-0.0018	0.00020	mg/L				10.68%
Sb 206.833	-2.1	-0.0008	0.00197	mg/L				235.60%
Se 196.026	-6.4	-0.0019	0.00058	mg/L				30.10%
Tl 190.800	-0.6	-0.0002	0.00178	mg/L				978.71%
V 292.402	-67.8	-0.0007	0.00098	mg/L				146.60%
Zn 213.856	-3.8	-0.0001	0.00010	mg/L				143.19%

Replicate Data

ID: 2905-11 F=50

Date: 04/28/03 03:42:51 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-168.3	252.2	0.0033 mg/L	0.1649 ppm
1	Al 308.215	1569875.2	1569432.6	167.9 mg/L	8394 ppm
1	As 188.979	46.4	56.8	0.0490 mg/L	2.452 ppm
1	Ba 233.527	151385.8	151818.7	1.381 mg/L	69.03 ppm
1	Be 313.107	1021.2	3321.9	0.0013 mg/L	0.0671 ppm
1	Ca 227.547	10700.2	10732.5	127.7 mg/L	6387 ppm
1	Cd 228.802	110.6	-15.3	-0.0004 mg/L	-0.0184 ppm
1	Co 228.616	4940.4	4868.9	0.1339 mg/L	6.694 ppm
1	Cr 267.716	23076.2	23139.1	0.4966 mg/L	24.83 ppm
1	Cu 324.754	41243.5	40695.0	0.3773 mg/L	18.87 ppm
1	Fe 273.955	6050970.9	6051150.6	284.1 mg/L	14210 ppm
1	K 766.491	1449656.6	1443569.3	23.64 mg/L	1182 ppm
1	Mg 279.079	767971.7	768986.8	78.68 mg/L	3934 ppm
1	Mn 257.610	2076841.7	2080224.9	4.857 mg/L	242.9 ppm
1	Mo 202.030	201.6	316.0	0.0155 mg/L	0.7726 ppm
1	Na 330.237	3590.3	2356.2	6.118 mg/L	305.9 ppm
1	Ni 231.604	15503.4	15556.5	0.3868 mg/L	19.34 ppm

1 Pb 220.353	4303.5	3968.9	0.2778 mg/L	13.89 ppm
1 Sb 206.833	106.9	76.2	0.0101 mg/L	0.5050 ppm
1 Se 196.026	-41.2	-45.7	0.0373 mg/L	1.864 ppm
1 Tl 190.800	-78.6	-44.7	-0.0118 mg/L	-0.5889 ppm
1 V 292.402	54334.3	54051.7	0.5583 mg/L	27.91 ppm
1 Zn 213.856	44765.2	44808.9	0.8249 mg/L	41.24 ppm

2 Ag 328.068	-338.5	82.0	0.0011 mg/L	0.0536 ppm
2 Al 308.215	1618683.7	1618241.1	173.1 mg/L	8655 ppm
2 As 188.979	43.7	54.0	0.0486 mg/L	2.430 ppm
2 Ba 233.527	154423.1	154856.0	1.408 mg/L	70.40 ppm
2 Be 313.107	1153.1	3453.9	0.0014 mg/L	0.0697 ppm
2 Ca 227.547	11272.3	11304.6	134.6 mg/L	6732 ppm
2 Cd 228.802	141.4	15.5	0.0004 mg/L	0.0187 ppm
2 Co 228.616	5086.5	5015.0	0.1379 mg/L	6.894 ppm
2 Cr 267.716	24345.0	24407.9	0.5241 mg/L	26.21 ppm
2 Cu 324.754	42488.3	41939.8	0.3886 mg/L	19.43 ppm
2 Fe 273.955	6151759.1	6151938.7	288.8 mg/L	14440 ppm
2 K 766.491	1552705.7	1546618.4	25.08 mg/L	1254 ppm
2 Mg 279.079	781306.4	782321.5	80.05 mg/L	4002 ppm
2 Mn 257.610	2121514.2	2124897.4	4.961 mg/L	248.1 ppm
2 Mo 202.030	196.9	311.3	0.0150 mg/L	0.7491 ppm
2 Na 330.237	3472.1	2238.1	5.844 mg/L	292.2 ppm
2 Ni 231.604	16181.3	16234.4	0.4036 mg/L	20.18 ppm
2 Pb 220.353	4348.3	4013.8	0.2811 mg/L	14.06 ppm
2 Sb 206.833	80.2	49.4	-0.0010 mg/L	-0.0524 ppm
2 Se 196.026	-145.8	-150.3	0.0064 mg/L	0.3188 ppm
2 Tl 190.800	-76.1	-42.3	-0.0110 mg/L	-0.5480 ppm
2 V 292.402	55862.3	55579.7	0.5738 mg/L	28.69 ppm
2 Zn 213.856	46017.6	46061.3	0.8481 mg/L	42.41 ppm

3 Ag 328.068	-306.4	114.1	0.0015 mg/L	0.0746 ppm
3 Al 308.215	1679419.7	1678977.1	179.6 mg/L	8980 ppm
3 As 188.979	55.8	66.1	0.0521 mg/L	2.604 ppm
3 Ba 233.527	158671.2	159104.1	1.446 mg/L	72.31 ppm
3 Be 313.107	1050.5	3351.2	0.0014 mg/L	0.0677 ppm
3 Ca 227.547	11220.4	11252.8	134.1 mg/L	6705 ppm
3 Cd 228.802	147.4	21.5	0.0005 mg/L	0.0259 ppm
3 Co 228.616	5050.2	4978.7	0.1369 mg/L	6.845 ppm
3 Cr 267.716	23632.2	23695.1	0.5088 mg/L	25.44 ppm
3 Cu 324.754	44112.7	43564.2	0.4023 mg/L	20.11 ppm
3 Fe 273.955	5964102.8	5964282.4	280.0 mg/L	14000 ppm
3 K 766.491	1553433.4	1547346.1	25.09 mg/L	1254 ppm
3 Mg 279.079	799901.7	800916.8	81.95 mg/L	4097 ppm
3 Mn 257.610	2183999.2	2187382.5	5.107 mg/L	255.4 ppm
3 Mo 202.030	270.3	384.7	0.0206 mg/L	1.028 ppm
3 Na 330.237	3575.4	2341.4	6.084 mg/L	304.2 ppm
3 Ni 231.604	15861.5	15914.6	0.3957 mg/L	19.78 ppm
3 Pb 220.353	4367.9	4033.4	0.2833 mg/L	14.17 ppm
3 Sb 206.833	98.8	68.1	0.0071 mg/L	0.3527 ppm
3 Se 196.026	-121.4	-125.9	0.0122 mg/L	0.6099 ppm
3 Tl 190.800	-71.8	-38.0	-0.0096 mg/L	-0.4804 ppm
3 V 292.402	57655.7	57373.1	0.5909 mg/L	29.54 ppm
3 Zn 213.856	47511.0	47554.7	0.8766 mg/L	43.83 ppm

Mean Data

ID: 2905-11 F=50

Sample Qty: 1.0000 mL

Seq. No.: 91

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 63

1.0 mL

A/S Pos: 72

Dilution: 1.0: 50.0

Date: 04/28/03 03:42:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Units	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	149.4	0.0020	0.00118	mg/L	0.0977	0.05914	ppm	60.52%
Al 308.215	1622217.0	173.5	5.87	mg/L	8676	293.5	ppm	3.38%
As 188.979	59.0	0.0499	0.00189	mg/L	2.495	0.0944	ppm	3.78%
Ba 233.527	155259.6	1.412	0.0330	mg/L	70.58	1.651	ppm	2.34%
Be 313.107	3375.7	0.0014	0.00003	mg/L	0.0682	0.00140	ppm	2.05%
Ca 227.547	11096.6	132.2	3.84	mg/L	6608	191.9	ppm	2.90%
Cd 228.802	7.2	0.0002	0.00048	mg/L	0.0087	0.02379	ppm	272.32%
Co 228.616	4954.2	0.1362	0.00209	mg/L	6.811	0.1046	ppm	1.54%
Cr 267.716	23747.4	0.5098	0.01379	mg/L	25.49	0.689	ppm	2.70%
Cu 324.754	42066.4	0.3894	0.01249	mg/L	19.47	0.625	ppm	3.21%
Fe 273.955	6055790.6	284.3	4.41	mg/L	14220	220.5	ppm	1.55%

K 766.491	1512511.3	24.60	0.830 mg/L	1230	41.5 ppm	3.37%
Mg 279.079	784075.1	80.22	1.641 mg/L	4011	82.0 ppm	2.05%
Mn 257.610	2130834.9	4.975	0.1257 mg/L	248.8	6.28 ppm	2.53%
Mo 202.030	337.3	0.0170	0.00309 mg/L	0.8499	0.15458 ppm	18.19%
Na 330.237	2311.9	6.015	0.1495 mg/L	300.8	7.47 ppm	2.48%
Ni 231.604	15901.8	0.3953	0.00843 mg/L	19.77	0.422 ppm	2.13%
Pb 220.353	4005.4	0.2808	0.00277 mg/L	14.04	0.138 ppm	0.99%
Sb 206.833	64.6	0.0054	0.00576 mg/L	0.2684	0.28810 ppm	107.32%
Se 196.026	-107.3	0.0186	0.01642 mg/L	0.9309	0.82100 ppm	88.20%
Tl 190.800	-41.7	-0.0108	0.00110 mg/L	-0.5391	0.05481 ppm	10.17%
V 292.402	55668.2	0.5743	0.01630 mg/L	28.72	0.815 ppm	2.84%
Zn 213.856	46141.6	0.8499	0.02590 mg/L	42.49	1.295 ppm	3.05%

Replicate Data

ID: 2905-12 F=50

Date: 04/28/03 03:45:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-322.1	98.4	0.0013 mg/L	0.0643 ppm
1	Al 308.215	682257.3	681814.8	72.93 mg/L	3647 ppm
1	As 188.979	307.3	317.6	0.1385 mg/L	6.924 ppm
1	Ba 233.527	16463.0	16895.9	0.1589 mg/L	7.947 ppm
1	Be 313.107	-9085.5	-6784.7	-0.0027 mg/L	-0.1370 ppm
1	Ca 227.547	11313.8	11346.1	135.7 mg/L	6784 ppm
1	Cd 228.802	79.3	-46.6	-0.0011 mg/L	-0.0562 ppm
1	Co 228.616	4595.3	4523.8	0.1244 mg/L	6.219 ppm
1	Cr 267.716	28796.6	28859.5	0.6227 mg/L	31.13 ppm
1	Cu 324.754	7192.0	6643.5	0.0743 mg/L	3.716 ppm
1	Fe 273.955	4918362.7	4918542.4	230.9 mg/L	11550 ppm
1	K 766.491	629322.3	623235.0	11.22 mg/L	560.8 ppm
1	Mg 279.079	744082.5	745097.6	76.24 mg/L	3812 ppm
1	Mn 257.610	1672270.4	1675653.6	3.913 mg/L	195.6 ppm
1	Mo 202.030	-54.0	60.4	-0.0017 mg/L	-0.0869 ppm
1	Na 330.237	1362.0	127.9	0.9221 mg/L	46.11 ppm
1	Ni 231.604	24583.8	24636.9	0.6125 mg/L	30.63 ppm
1	Pb 220.353	1356.2	1021.6	0.0677 mg/L	3.386 ppm
1	Sb 206.833	39.0	8.2	-0.0144 mg/L	-0.7187 ppm
1	Se 196.026	-44.7	-49.2	0.0266 mg/L	1.332 ppm
1	Tl 190.800	-71.4	-37.6	-0.0100 mg/L	-0.5012 ppm
1	V 292.402	35377.6	35095.0	0.3662 mg/L	18.31 ppm
1	Zn 213.856	19653.3	19697.0	0.3568 mg/L	17.84 ppm
2	Ag 328.068	-328.7	91.8	0.0012 mg/L	0.0601 ppm
2	Al 308.215	693190.4	692747.8	74.10 mg/L	3705 ppm
2	As 188.979	315.1	325.4	0.1414 mg/L	7.068 ppm
2	Ba 233.527	16328.7	16761.5	0.1578 mg/L	7.888 ppm
2	Be 313.107	-9118.8	-6818.0	-0.0028 mg/L	-0.1376 ppm
2	Ca 227.547	11033.0	11065.3	132.3 mg/L	6613 ppm
2	Cd 228.802	164.0	38.1	0.0009 mg/L	0.0459 ppm
2	Co 228.616	4483.9	4412.4	0.1213 mg/L	6.066 ppm
2	Cr 267.716	28446.2	28509.2	0.6150 mg/L	30.75 ppm
2	Cu 324.754	7387.6	6839.1	0.0761 mg/L	3.807 ppm
2	Fe 273.955	4944846.9	4945026.5	232.2 mg/L	11610 ppm
2	K 766.491	639847.6	633760.3	11.39 mg/L	569.5 ppm
2	Mg 279.079	749597.3	750612.4	76.80 mg/L	3840 ppm
2	Mn 257.610	1674937.9	1678321.1	3.919 mg/L	195.9 ppm
2	Mo 202.030	-21.3	93.2	0.0006 mg/L	0.0306 ppm
2	Na 330.237	1232.6	-1.4	0.6192 mg/L	30.96 ppm
2	Ni 231.604	24056.9	24109.9	0.5994 mg/L	29.97 ppm
2	Pb 220.353	1127.2	792.7	0.0519 mg/L	2.597 ppm
2	Sb 206.833	47.1	16.4	-0.0112 mg/L	-0.5576 ppm
2	Se 196.026	-143.6	-148.0	-0.0031 mg/L	-0.1573 ppm
2	Tl 190.800	-118.5	-84.7	-0.0248 mg/L	-1.240 ppm
2	V 292.402	35551.3	35268.7	0.3680 mg/L	18.40 ppm
2	Zn 213.856	19195.2	19238.9	0.3482 mg/L	17.41 ppm
3	Ag 328.068	-375.7	44.8	0.0006 mg/L	0.0293 ppm
3	Al 308.215	695444.9	695002.4	74.34 mg/L	3717 ppm
3	As 188.979	195.6	206.0	0.0985 mg/L	4.927 ppm
3	Ba 233.527	16288.8	16721.7	0.1574 mg/L	7.871 ppm
3	Be 313.107	-9096.9	-6796.2	-0.0027 mg/L	-0.1372 ppm
3	Ca 227.547	11244.0	11276.3	134.8 mg/L	6741 ppm

3 Cd 228.802	95.4	-30.5	-0.0007 mg/L	-0.0367 ppm
3 Co 228.616	4508.3	4436.8	0.1220 mg/L	6.100 ppm
3 Cr 267.716	28652.2	28715.1	0.6195 mg/L	30.97 ppm
3 Cu 324.754	7492.2	6943.7	0.0771 mg/L	3.856 ppm
3 Fe 273.955	4967583.2	4967762.8	233.2 mg/L	11660 ppm
3 K 766.491	631480.6	625393.3	11.25 mg/L	562.6 ppm
3 Mg 279.079	751304.3	752319.4	76.98 mg/L	3849 ppm
3 Mn 257.610	1687041.4	1690424.6	3.947 mg/L	197.4 ppm
3 Mo 202.030	-18.1	96.3	0.0008 mg/L	0.0407 ppm
3 Na 330.237	1297.3	63.2	0.7706 mg/L	38.53 ppm
3 Ni 231.604	24261.0	24314.1	0.6045 mg/L	30.22 ppm
3 Pb 220.353	1091.4	756.8	0.0494 mg/L	2.471 ppm
3 Sb 206.833	86.1	55.3	0.0043 mg/L	0.2170 ppm
3 Se 196.026	-52.0	-56.5	0.0248 mg/L	1.242 ppm
3 Tl 190.800	-92.3	-58.5	-0.0166 mg/L	-0.8275 ppm
3 V 292.402	35837.9	35555.4	0.3709 mg/L	18.55 ppm
3 Zn 213.856	19502.4	19546.1	0.3539 mg/L	17.69 ppm

Mean Data

ID: 2905-12 F=50

Sample Qty: 1.0000 mL

Seq. No.: 92

Sample No.: 64

A/S Pos: 73

Prep. Vol.: 1.0 mL

Dilution:

1.0:

50.0

Data: Original

Date: 04/28/03

03:45:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	78.4	0.0010	0.00038	mg/L	0.0512	0.01911	ppm	37.29%
Al 308.215	689855.0	73.79	0.755	mg/L	3690	37.7	ppm	1.02%
As 188.979	283.0	0.1261	0.02394	mg/L	6.306	1.1968	ppm	18.98%
Ba 233.527	16793.0	0.1580	0.00080	mg/L	7.902	0.0398	ppm	0.50%
Be 313.107	-6799.6	-0.0027	0.00001	mg/L	-0.1373	0.00034	ppm	0.25%
Ca 227.547	11229.3	134.3	1.78	mg/L	6713	89.0	ppm	1.33%
Cd 228.802	-13.0	-0.0003	0.00108	mg/L	-0.0157	0.05421	ppm	345.74%
Co 228.616	4457.7	0.1226	0.00161	mg/L	6.128	0.0805	ppm	1.31%
Cr 267.716	28694.6	0.6191	0.00385	mg/L	30.95	0.193	ppm	0.62%
Cu 324.754	6808.8	0.0759	0.00142	mg/L	3.793	0.0709	ppm	1.87%
Fe 273.955	4943777.3	232.1	1.16	mg/L	11610	57.8	ppm	0.50%
K 766.491	627462.9	11.29	0.091	mg/L	564.3	4.57	ppm	0.81%
Mg 279.079	749343.1	76.67	0.386	mg/L	3834	19.3	ppm	0.50%
Mn 257.610	1681466.4	3.926	0.0184	mg/L	196.3	0.92	ppm	0.47%
Mo 202.030	83.3	-0.0001	0.00142	mg/L	-0.0052	0.07092	ppm	>999.9%
Na 330.237	63.3	0.7706	0.15145	mg/L	38.53	7.573	ppm	19.65%
Ni 231.604	24353.6	0.6055	0.00661	mg/L	30.27	0.330	ppm	1.09%
Pb 220.353	857.0	0.0564	0.00992	mg/L	2.818	0.4960	ppm	17.60%
Sb 206.833	26.6	-0.0071	0.01001	mg/L	-0.3531	0.50029	ppm	141.68%
Se 196.026	-84.6	0.0161	0.01670	mg/L	0.8056	0.83512	ppm	103.66%
Tl 190.800	-60.3	-0.0171	0.00741	mg/L	-0.8563	0.37040	ppm	43.25%
V 292.402	35306.3	0.3684	0.00239	mg/L	18.42	0.120	ppm	0.65%
Zn 213.856	19494.0	0.3530	0.00440	mg/L	17.65	0.220	ppm	1.25%

Replicate Data

ID: 2905-13 F=50

Date: 04/28/03

03:48:06 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-484.4	-63.9	-0.0008 mg/L	-0.0418 ppm
1	Al 308.215	1752396.8	1751954.2	187.4 mg/L	9370 ppm
1	As 188.979	14.1	24.4	0.0316 mg/L	1.580 ppm
1	Ba 233.527	221246.8	221679.6	2.011 mg/L	100.6 ppm
1	Be 313.107	6528.0	8828.7	0.0036 mg/L	0.1782 ppm
1	Ca 227.547	12279.6	12311.9	147.3 mg/L	7364 ppm
1	Cd 228.802	198.6	72.7	0.0018 mg/L	0.0876 ppm
1	Co 228.616	3925.9	3854.4	0.1060 mg/L	5.299 ppm
1	Cr 267.716	13038.9	13101.8	0.2789 mg/L	13.94 ppm
1	Cu 324.754	48279.0	47730.5	0.4366 mg/L	21.83 ppm
1	Fe 273.955	5250141.0	5250320.7	246.5 mg/L	12330 ppm
1	K 766.491	1646294.4	1640207.1	26.36 mg/L	1318 ppm
1	Mg 279.079	556546.6	557561.7	57.05 mg/L	2852 ppm
1	Mn 257.610	1408712.9	1412096.1	3.297 mg/L	164.9 ppm
1	Mo 202.030	-92.6	21.8	-0.0050 mg/L	-0.2483 ppm
1	Na 330.237	2217.3	983.3	2.922 mg/L	146.1 ppm
1	Ni 231.604	11286.6	11339.7	0.2819 mg/L	14.10 ppm
1	Pb 220.353	3016.3	2681.7	0.1913 mg/L	9.567 ppm

1 Sb 206.833	45.4	14.7	-0.0096 mg/L	-0.4815 ppm
1 Se 196.026	-114.6	-119.0	0.0082 mg/L	0.4122 ppm
1 Tl 190.800	-70.8	-37.0	-0.0101 mg/L	-0.5028 ppm
1 V 292.402	51566.0	51283.5	0.5278 mg/L	26.39 ppm
1 Zn 213.856	32114.5	32158.2	0.5897 mg/L	29.48 ppm
2 Ag 328.068	-413.4	7.1	0.0001 mg/L	0.0046 ppm
2 Al 308.215	1695810.6	1695368.0	181.4 mg/L	9068 ppm
2 As 188.979	14.4	24.7	0.0311 mg/L	1.553 ppm
2 Ba 233.527	214765.1	215197.9	1.952 mg/L	97.62 ppm
2 Be 313.107	6128.3	8429.0	0.0034 mg/L	0.1702 ppm
2 Ca 227.547	11912.6	11944.9	142.9 mg/L	7144 ppm
2 Cd 228.802	168.0	42.1	0.0010 mg/L	0.0508 ppm
2 Co 228.616	3793.2	3721.7	0.1023 mg/L	5.117 ppm
2 Cr 267.716	12770.9	12833.8	0.2732 mg/L	13.66 ppm
2 Cu 324.754	46302.6	45754.1	0.4187 mg/L	20.94 ppm
2 Fe 273.955	5102653.2	5102832.9	239.6 mg/L	11980 ppm
2 K 766.491	1561583.9	1555496.6	25.20 mg/L	1260 ppm
2 Mg 279.079	539468.7	540483.8	55.30 mg/L	2765 ppm
2 Mn 257.610	1365805.7	1369188.9	3.197 mg/L	159.8 ppm
2 Mo 202.030	-159.0	-44.6	-0.0096 mg/L	-0.4807 ppm
2 Na 330.237	2017.1	783.1	2.454 mg/L	122.7 ppm
2 Ni 231.604	11008.8	11061.9	0.2750 mg/L	13.75 ppm
2 Pb 220.353	3034.6	2700.0	0.1924 mg/L	9.619 ppm
2 Sb 206.833	22.8	-8.0	-0.0183 mg/L	-0.9133 ppm
2 Se 196.026	-95.8	-100.2	0.0127 mg/L	0.6350 ppm
2 Tl 190.800	-27.5	6.3	0.0035 mg/L	0.1747 ppm
2 V 292.402	50073.1	49790.5	0.5125 mg/L	25.62 ppm
2 Zn 213.856	30929.5	30973.2	0.5678 mg/L	28.39 ppm
3 Ag 328.068	-397.1	23.4	0.0003 mg/L	0.0153 ppm
3 Al 308.215	1756140.5	1755697.9	187.8 mg/L	9390 ppm
3 As 188.979	4.8	15.2	0.0281 mg/L	1.403 ppm
3 Ba 233.527	218685.7	219118.6	1.988 mg/L	99.40 ppm
3 Be 313.107	6205.6	8506.4	0.0034 mg/L	0.1717 ppm
3 Ca 227.547	11314.3	11346.7	135.6 mg/L	6778 ppm
3 Cd 228.802	101.4	-24.5	-0.0006 mg/L	-0.0295 ppm
3 Co 228.616	3657.7	3586.2	0.0986 mg/L	4.930 ppm
3 Cr 267.716	12092.6	12155.5	0.2583 mg/L	12.92 ppm
3 Cu 324.754	47965.7	47417.2	0.4337 mg/L	21.68 ppm
3 Fe 273.955	5200910.8	5201090.4	244.2 mg/L	12210 ppm
3 K 766.491	1678815.8	1672728.5	26.80 mg/L	1340 ppm
3 Mg 279.079	549382.6	550397.8	56.32 mg/L	2816 ppm
3 Mn 257.610	1391871.2	1395254.4	3.258 mg/L	162.9 ppm
3 Mo 202.030	-121.4	-7.0	-0.0070 mg/L	-0.3499 ppm
3 Na 330.237	2088.0	854.0	2.620 mg/L	131.0 ppm
3 Ni 231.604	10573.5	10626.6	0.2642 mg/L	13.21 ppm
3 Pb 220.353	2897.5	2562.9	0.1833 mg/L	9.165 ppm
3 Sb 206.833	43.8	13.0	-0.0102 mg/L	-0.5077 ppm
3 Se 196.026	-109.6	-114.1	0.0093 mg/L	0.4662 ppm
3 Tl 190.800	-92.8	-59.0	-0.0170 mg/L	-0.8497 ppm
3 V 292.402	51454.3	51171.7	0.5265 mg/L	26.33 ppm
3 Zn 213.856	30014.2	30057.9	0.5504 mg/L	27.52 ppm

Mean Data

ID: 2905-13 F=50

Sample Qty: 1.0000 mL

Seq. No.: 93

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 65

1.0 mL

A/S Pos: 74

Dilution: 74

Date: 04/28/03

1.0: 50.0

03:48:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-11.2	-0.0001	0.00061	mg/L	-0.0073	0.03036	ppm	415.80%
Al 308.215	1734340.1	185.5	3.62	mg/L	9276	180.8	ppm	1.95%
As 188.979	21.4	0.0302	0.00191	mg/L	1.512	0.0953	ppm	6.30%
Ba 233.527	218665.4	1.984	0.0296	mg/L	99.20	1.481	ppm	1.49%
Be 313.107	8588.0	0.0035	0.00009	mg/L	0.1734	0.00428	ppm	2.47%
Ca 227.547	11867.8	141.9	5.91	mg/L	7095	295.6	ppm	4.17%
Cd 228.802	30.1	0.0007	0.00120	mg/L	0.0363	0.05989	ppm	164.97%
Co 228.616	3720.8	0.1023	0.00369	mg/L	5.115	0.1844	ppm	3.60%
Cr 267.716	12697.0	0.2701	0.01062	mg/L	13.51	0.531	ppm	3.93%
Cu 324.754	46967.3	0.4297	0.00958	mg/L	21.48	0.479	ppm	2.23%
Fe 273.955	5184748.0	243.4	3.53	mg/L	12170	176.3	ppm	1.45%
K 766.491	1622810.8	26.12	0.826	mg/L	1306	41.3	ppm	3.3806

Mg 279.079	549481.1	56.22	0.877 mg/L	2811	43.9 ppm	1.56%
Mn 257.610	1392179.8	3.251	0.0505 mg/L	162.5	2.52 ppm	1.55%
Mo 202.030	-9.9	-0.0072	0.00233 mg/L	-0.3596	0.11650 ppm	32.40%
Na 330.237	873.4	2.665	0.2371 mg/L	133.3	11.85 ppm	8.89%
Ni 231.604	11009.4	0.2737	0.00894 mg/L	13.69	0.447 ppm	3.26%
Pb 220.353	2648.2	0.1890	0.00497 mg/L	9.450	0.2483 ppm	2.63%
Sb 206.833	6.6	-0.0127	0.00484 mg/L	-0.6342	0.24213 ppm	38.18%
Se 196.026	-111.1	0.0101	0.00233 mg/L	0.5045	0.11627 ppm	23.05%
Tl 190.800	-29.9	-0.0079	0.01042 mg/L	-0.3926	0.52099 ppm	132.71%
V 292.402	50748.5	0.5223	0.00851 mg/L	26.11	0.426 ppm	1.63%
Zn 213.856	31063.1	0.5693	0.01967 mg/L	28.47	0.984 ppm	3.46%

Replicate Data
ID: 2905-14 F=50

Date: 04/28/03 03:50:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units
1	Ag 328.068	-371.5	49.0	0.0006 mg/L	0.0320 ppm
1	Al 308.215	758184.3	757741.7	81.05 mg/L	4053 ppm
1	As 188.979	138.0	148.3	0.0737 mg/L	3.685 ppm
1	Ba 233.527	51508.5	51941.4	0.4748 mg/L	23.74 ppm
1	Be 313.107	-10115.2	-7814.5	-0.0032 mg/L	-0.1578 ppm
1	Ca 227.547	8754.2	8786.5	106.8 mg/L	5338 ppm
1	Cd 228.802	131.1	5.2	0.0001 mg/L	0.0063 ppm
1	Co 228.616	4329.8	4258.3	0.1171 mg/L	5.854 ppm
1	Cr 267.716	28421.5	28484.4	0.6156 mg/L	30.78 ppm
1	Cu 324.754	10511.4	9962.9	0.1006 mg/L	5.031 ppm
1	Fe 273.955	4028347.9	4028527.6	189.1 mg/L	9457 ppm
1	K 766.491	503722.0	497634.7	9.115 mg/L	455.8 ppm
1	Mg 279.079	544700.7	545715.8	55.84 mg/L	2792 ppm
1	Mn 257.610	1436315.4	1439698.6	3.362 mg/L	168.1 ppm
1	Mo 202.030	-123.9	-9.5	-0.0057 mg/L	-0.2857 ppm
1	Na 330.237	1368.2	134.2	0.9368 mg/L	46.84 ppm
1	Ni 231.604	22572.8	22625.9	0.5625 mg/L	28.13 ppm
1	Pb 220.353	1425.8	1091.3	0.0757 mg/L	3.786 ppm
1	Sb 206.833	52.0	21.3	-0.0065 mg/L	-0.3238 ppm
1	Se 196.026	-86.0	-90.5	0.0066 mg/L	0.3291 ppm
1	Tl 190.800	-79.0	-45.2	-0.0130 mg/L	-0.6517 ppm
1	V 292.402	37997.3	37714.7	0.3888 mg/L	19.44 ppm
1	Zn 213.856	19361.2	19404.9	0.3536 mg/L	17.68 ppm
2	Ag 328.068	-315.8	104.7	0.0014 mg/L	0.0684 ppm
2	Al 308.215	754524.5	754082.0	80.66 mg/L	4033 ppm
2	As 188.979	139.4	149.7	0.0740 mg/L	3.702 ppm
2	Ba 233.527	50852.4	51285.3	0.4688 mg/L	23.44 ppm
2	Be 313.107	-10067.7	-7767.0	-0.0031 mg/L	-0.1568 ppm
2	Ca 227.547	8698.6	8731.0	106.1 mg/L	5304 ppm
2	Cd 228.802	106.0	-19.9	-0.0005 mg/L	-0.0240 ppm
2	Co 228.616	4193.0	4121.5	0.1133 mg/L	5.666 ppm
2	Cr 267.716	27852.0	27914.9	0.6033 mg/L	30.16 ppm
2	Cu 324.754	10430.3	9881.8	0.0998 mg/L	4.992 ppm
2	Fe 273.955	4002827.1	4003006.8	187.9 mg/L	9397 ppm
2	K 766.491	518285.7	512198.5	9.362 mg/L	468.1 ppm
2	Mg 279.079	539045.6	540060.7	55.26 mg/L	2763 ppm
2	Mn 257.610	1424502.6	1427885.8	3.334 mg/L	166.7 ppm
2	Mo 202.030	-138.1	-23.7	-0.0067 mg/L	-0.3360 ppm
2	Na 330.237	1397.4	163.4	1.005 mg/L	50.25 ppm
2	Ni 231.604	22222.9	22276.0	0.5538 mg/L	27.69 ppm
2	Pb 220.353	1337.0	1002.5	0.0696 mg/L	3.479 ppm
2	Sb 206.833	105.6	74.9	0.0151 mg/L	0.7553 ppm
2	Se 196.026	-67.9	-72.4	0.0119 mg/L	0.5936 ppm
2	Tl 190.800	-74.9	-41.1	-0.0117 mg/L	-0.5867 ppm
2	V 292.402	37806.5	37523.9	0.3868 mg/L	19.34 ppm
2	Zn 213.856	19142.4	19186.1	0.3496 mg/L	17.48 ppm
3	Ag 328.068	-322.4	98.1	0.0013 mg/L	0.0641 ppm
3	Al 308.215	747448.8	747006.3	79.91 mg/L	3995 ppm
3	As 188.979	114.3	124.6	0.0649 mg/L	3.243 ppm
3	Ba 233.527	50340.0	50772.9	0.4592 mg/L	22.96 ppm
3	Be 313.107	-9893.0	-7592.3	-0.0031 mg/L	-0.1533 ppm
3	Ca 227.547	8874.8	8907.2	108.2 mg/L	5411 ppm
3	Cd 228.802	120.0	-5.9	-0.0001 mg/L	-0.0072 ppm

3 Co 228.616	4186.0	4114.5	0.1131 mg/L	5.657 ppm
3 Cr 267.716	28020.4	28083.3	0.6070 mg/L	30.35 ppm
3 Cu 324.754	10534.9	9986.4	0.1006 mg/L	5.031 ppm
3 Fe 273.955	3964549.7	3964729.4	186.1 mg/L	9307 ppm
3 K 766.491	521162.5	515075.3	9.411 mg/L	470.5 ppm
3 Mg 279.079	532826.0	533841.1	54.62 mg/L	2731 ppm
3 Mn 257.610	1411605.3	1414988.5	3.304 mg/L	165.2 ppm
3 Mo 202.030	-119.4	-4.9	-0.0053 mg/L	-0.2653 ppm
3 Na 330.237	1491.2	257.2	1.225 mg/L	61.24 ppm
3 Ni 231.604	22240.9	22294.0	0.5543 mg/L	27.71 ppm
3 Pb 220.353	1293.6	959.0	0.0666 mg/L	3.329 ppm
3 Sb 206.833	57.9	27.1	-0.0039 mg/L	-0.1949 ppm
3 Se 196.026	-117.9	-122.4	-0.0036 mg/L	-0.1816 ppm
3 Tl 190.800	-54.5	-20.7	-0.0053 mg/L	-0.2669 ppm
3 V 292.402	37073.7	36791.1	0.3794 mg/L	18.97 ppm
3 Zn 213.856	19189.3	19233.1	0.3506 mg/L	17.53 ppm

Mean Data

ID: 2905-14 F=50

Sample Qty: 1.0000 mL

Seq. No.: 94

Sample No.: 66

A/S Pos: 75

Prep. Vol.: 1.0 mL

Dilution:

1.0:

50.0

Data: Original

Date: 04/28/03 03:50:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Conc.	Mean Conc.	Std.Dev. Units	Sample Conc.	RSD
Ag 328.068	83.9	0.0011	0.00040 mg/L	0.0549	0.01989 ppm			36.25%
Al 308.215	752943.3	80.54	0.584 mg/L	4027	29.2 ppm			0.72%
As 188.979	140.9	0.0709	0.00520 mg/L	3.543	0.2602 ppm			7.34%
Ba 233.527	51333.2	0.4676	0.00787 mg/L	23.38	0.394 ppm			1.68%
Be 313.107	-7724.6	-0.0031	0.00005 mg/L	-0.1559	0.00236 ppm			1.51%
Ca 227.547	8808.2	107.0	1.09 mg/L	5351	54.7 ppm			1.02%
Cd 228.802	-6.9	-0.0002	0.00030 mg/L	-0.0083	0.01514 ppm			182.89%
Co 228.616	4164.8	0.1145	0.00223 mg/L	5.726	0.1115 ppm			1.95%
Cr 267.716	28160.9	0.6086	0.00635 mg/L	30.43	0.318 ppm			1.04%
Cu 324.754	9943.7	0.1004	0.00046 mg/L	5.018	0.0230 ppm			0.46%
Fe 273.955	3998754.6	187.7	1.51 mg/L	9387	75.4 ppm			0.80%
K 766.491	508302.8	9.296	0.1585 mg/L	464.8	7.92 ppm			1.70%
Mg 279.079	539872.5	55.24	0.608 mg/L	2762	30.4 ppm			1.10%
Mn 257.610	1427524.3	3.333	0.0289 mg/L	166.7	1.44 ppm			0.87%
Mo 202.030	-12.7	-0.0059	0.00073 mg/L	-0.2957	0.03639 ppm			12.31%
Na 330.237	184.9	1.056	0.1505 mg/L	52.78	7.523 ppm			14.25%
Ni 231.604	22398.6	0.5569	0.00490 mg/L	27.84	0.245 ppm			0.88%
Pb 220.353	1017.6	0.0706	0.00466 mg/L	3.531	0.2332 ppm			6.60%
Sb 206.833	41.1	0.0016	0.01179 mg/L	0.0789	0.58938 ppm			747.27%
Se 196.026	-95.1	0.0049	0.00788 mg/L	0.2470	0.39404 ppm			159.53%
Tl 190.800	-35.6	-0.0100	0.00412 mg/L	-0.5018	0.20596 ppm			41.05%
V 292.402	37343.2	0.3850	0.00495 mg/L	19.25	0.247 ppm			1.29%
Zn 213.856	19274.7	0.3513	0.00211 mg/L	17.56	0.105 ppm			0.60%

Replicate Data

ID: 2905-16 F=50

Date: 04/28/03 03:53:20 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-273.5	147.0	0.0019 mg/L	0.0962 ppm
1	Al 308.215	998868.0	998425.5	106.8 mg/L	5340 ppm
1	As 188.979	97.2	107.5	0.0620 mg/L	3.102 ppm
1	Ba 233.527	66715.5	67148.4	0.6129 mg/L	30.65 ppm
1	Be 313.107	-13634.0	-11333.3	-0.0046 mg/L	-0.2288 ppm
1	Ca 227.547	4254.0	4286.3	50.07 mg/L	2503 ppm
1	Cd 228.802	104.4	-21.5	-0.0005 mg/L	-0.0259 ppm
1	Co 228.616	5123.7	5052.2	0.1389 mg/L	6.946 ppm
1	Cr 267.716	35366.2	35429.1	0.7663 mg/L	38.32 ppm
1	Cu 324.754	15877.7	15329.2	0.1495 mg/L	7.476 ppm
1	Fe 273.955	4560365.7	4560545.4	214.1 mg/L	10710 ppm
1	K 766.491	737761.2	731674.0	12.98 mg/L	649.1 ppm
1	Mg 279.079	637968.2	638983.3	65.38 mg/L	3269 ppm
1	Mn 257.610	1149090.0	1152473.2	2.691 mg/L	134.5 ppm
1	Mo 202.030	-173.8	-59.4	-0.0100 mg/L	-0.5005 ppm
1	Na 330.237	373.3	-860.8	-1.397 mg/L	-69.87 ppm
1	Ni 231.604	34918.2	34971.3	0.8694 mg/L	43.47 ppm
1	Pb 220.353	982.1	647.5	0.0462 mg/L	2.310 ppm
1	Sb 206.833	87.1	56.4	0.0052 mg/L	0.2620 ppm

1 Se 196.026	-57.5	-62.0	0.0197 mg/L	0.9868 ppm
1 Tl 190.800	-74.4	-40.6	-0.0114 mg/L	-0.5678 ppm
1 V 292.402	47308.2	47025.6	0.4831 mg/L	24.15 ppm
1 Zn 213.856	24974.2	25017.9	0.4575 mg/L	22.88 ppm

2 Ag 328.068	-388.8	31.7	0.0004 mg/L	0.0207 ppm
2 Al 308.215	975462.2	975019.6	104.3 mg/L	5215 ppm
2 As 188.979	60.8	71.1	0.0484 mg/L	2.418 ppm
2 Ba 233.527	64721.6	65154.4	0.5948 mg/L	29.74 ppm
2 Be 313.107	-13695.9	-11395.1	-0.0046 mg/L	-0.2301 ppm
2 Ca 227.547	4378.8	4411.1	53.59 mg/L	2680 ppm
2 Cd 228.802	46.7	-79.2	-0.0019 mg/L	-0.0955 ppm
2 Co 228.616	5064.6	4993.1	0.1373 mg/L	6.864 ppm
2 Cr 267.716	34519.4	34582.3	0.7480 mg/L	37.40 ppm
2 Cu 324.754	15457.9	14909.4	0.1455 mg/L	7.273 ppm
2 Fe 273.955	4447253.6	4447433.3	208.8 mg/L	10440 ppm
2 K 766.491	724189.5	718102.2	12.76 mg/L	638.1 ppm
2 Mg 279.079	620750.1	621765.2	63.62 mg/L	3181 ppm
2 Mn 257.610	1117621.0	1121004.2	2.617 mg/L	130.9 ppm
2 Mo 202.030	-158.3	-43.9	-0.0087 mg/L	-0.4371 ppm
2 Na 330.237	573.5	-660.5	-0.9269 mg/L	-46.34 ppm
2 Ni 231.604	34816.9	34870.0	0.8669 mg/L	43.35 ppm
2 Pb 220.353	1047.4	712.9	0.0507 mg/L	2.535 ppm
2 Sb 206.833	57.6	26.9	-0.0061 mg/L	-0.3065 ppm
2 Se 196.026	-79.6	-84.0	0.0121 mg/L	0.6041 ppm
2 Tl 190.800	-34.8	-1.0	0.0010 mg/L	0.0521 ppm
2 V 292.402	46283.2	46000.7	0.4725 mg/L	23.62 ppm
2 Zn 213.856	25178.0	25221.7	0.4617 mg/L	23.08 ppm

3 Ag 328.068	-471.6	-51.1	-0.0007 mg/L	-0.0334 ppm
3 Al 308.215	974313.9	973871.4	104.2 mg/L	5209 ppm
3 As 188.979	51.3	61.7	0.0449 mg/L	2.246 ppm
3 Ba 233.527	64154.0	64586.9	0.5896 mg/L	29.48 ppm
3 Be 313.107	-13399.1	-11098.4	-0.0045 mg/L	-0.2241 ppm
3 Ca 227.547	4226.0	4258.3	51.74 mg/L	2587 ppm
3 Cd 228.802	100.4	-25.5	-0.0006 mg/L	-0.0308 ppm
3 Co 228.616	4965.0	4893.5	0.1345 mg/L	6.727 ppm
3 Cr 267.716	34493.8	34556.7	0.7475 mg/L	37.37 ppm
3 Cu 324.754	15436.5	14888.0	0.1452 mg/L	7.262 ppm
3 Fe 273.955	4433382.8	4433562.4	208.2 mg/L	10410 ppm
3 K 766.491	725408.7	719321.4	12.78 mg/L	639.1 ppm
3 Mg 279.079	617020.3	618035.4	63.24 mg/L	3162 ppm
3 Mn 257.610	1111813.2	1115196.5	2.604 mg/L	130.2 ppm
3 Mo 202.030	-70.1	44.3	-0.0023 mg/L	-0.1153 ppm
3 Na 330.237	673.6	-560.4	-0.6918 mg/L	-34.59 ppm
3 Ni 231.604	33880.9	33934.0	0.8437 mg/L	42.18 ppm
3 Pb 220.353	876.8	542.3	0.0389 mg/L	1.945 ppm
3 Sb 206.833	41.6	10.9	-0.0125 mg/L	-0.6249 ppm
3 Se 196.026	-65.1	-69.6	0.0163 mg/L	0.8171 ppm
3 Tl 190.800	-60.9	-27.1	-0.0071 mg/L	-0.3571 ppm
3 V 292.402	46122.8	45840.2	0.4708 mg/L	23.54 ppm
3 Zn 213.856	24563.4	24607.1	0.4502 mg/L	22.51 ppm

Mean Data

ID: 2905-16 F=50

Sample Qty: 1.0000 mL

Seq. No.: 95

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 67

1.0 mL

A/S Pos: 76

Dilution:

Date: 04/28/03 03:53:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	42.5	0.0006	0.00130	mg/L	0.0278	0.06508	ppm	233.97%
Al 308.215	982438.8	105.1	1.48	mg/L	5255	74.1	ppm	1.41%
As 188.979	80.1	0.0518	0.00906	mg/L	2.589	0.4528	ppm	17.49%
Ba 233.527	65629.9	0.5991	0.01225	mg/L	29.96	0.613	ppm	2.05%
Be 313.107	-11275.6	-0.0046	0.00006	mg/L	-0.2276	0.00316	ppm	1.39%
Ca 227.547	4318.6	51.80	1.763	mg/L	2590	88.1	ppm	3.40%
Cd 228.802	-42.1	-0.0010	0.00078	mg/L	-0.0507	0.03887	ppm	76.59%
Co 228.616	4979.6	0.1369	0.00221	mg/L	6.846	0.1103	ppm	1.61%
Cr 267.716	34856.0	0.7539	0.01073	mg/L	37.70	0.537	ppm	1.42%
Cu 324.754	15042.2	0.1467	0.00241	mg/L	7.337	0.1206	ppm	1.64%
Fe 273.955	4480513.7	210.4	3.27	mg/L	10520	163.5	ppm	1.55%
K 766.491	723032.5	12.84	0.121	mg/L	642.1	6.04	ppm	0.94%
Mg 279.079	626261.3	64.08	1.143	mg/L	3204	57.2	ppm	1.78%

Mn 257.610	1129558.0	2.637	0.0468 mg/L	131.9	2.34 ppm	1.78%
Mo 202.030	-19.6	-0.0070	0.00413 mg/L	-0.3510	0.20655 ppm	58.85%
Na 330.237	-693.9	-1.005	0.3593 mg/L	-50.27	17.964 ppm	35.74%
Ni 231.604	34591.8	-0.8600	0.01422 mg/L	43.00	0.711 ppm	1.65%
Pb 220.353	634.2	0.0453	0.00596 mg/L	2.264	0.2979 ppm	13.16%
Sb 206.833	31.4	-0.0045	0.00899 mg/L	-0.2232	0.44930 ppm	201.33%
Se 196.026	-71.9	0.0161	0.00384 mg/L	0.8027	0.19176 ppm	23.89%
Tl 190.800	-22.9	-0.0058	0.00630 mg/L	-0.2909	0.31518 ppm	108.33%
V 292.402	46288.9	0.4755	0.00663 mg/L	23.77	0.332 ppm	1.40%
Zn 213.856	24948.9	0.4565	0.00582 mg/L	22.82	0.291 ppm	1.28%

Replicate Data

ID: 2905-17 F=50

Date: 04/28/03 03:55:57 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-101.6	318.9	0.0042 mg/L	0.2086 ppm
1	Al 308.215	1055526.1	1055083.5	112.9 mg/L	5643 ppm
1	As 188.979	305.6	315.9	0.1372 mg/L	6.860 ppm
1	Ba 233.527	71459.6	71892.4	0.6558 mg/L	32.79 ppm
1	Be 313.107	-8674.1	-6373.4	-0.0026 mg/L	-0.1287 ppm
1	Ca 227.547	23610.5	23642.8	285.2 mg/L	14260 ppm
1	Cd 228.802	466.3	340.4	0.0082 mg/L	0.4105 ppm
1	Co 228.616	7167.9	7096.4	0.1951 mg/L	9.756 ppm
1	Cr 267.716	38422.2	38485.1	0.8329 mg/L	41.65 ppm
1	Cu 324.754	30413.5	29865.0	0.2773 mg/L	13.86 ppm
1	Fe 273.955	4545526.7	4545706.4	213.4 mg/L	10670 ppm
1	K 766.491	932916.2	926828.9	16.05 mg/L	802.7 ppm
1	Mg 279.079	629237.5	630252.6	64.49 mg/L	3224 ppm
1	Mn 257.610	1335433.2	1338816.4	3.126 mg/L	156.3 ppm
1	Mo 202.030	-77.9	36.5	-0.0030 mg/L	-0.1508 ppm
1	Na 330.237	1167.9	-66.1	0.4676 mg/L	23.38 ppm
1	Ni 231.604	26936.7	26989.8	0.6710 mg/L	33.55 ppm
1	Pb 220.353	14365.8	14031.3	0.9717 mg/L	48.59 ppm
1	Sb 206.833	102.8	72.0	0.0112 mg/L	0.5609 ppm
1	Se 196.026	-139.4	-143.9	-0.0053 mg/L	-0.2633 ppm
1	Tl 190.800	-48.4	-14.6	-0.0041 mg/L	-0.2048 ppm
1	V 292.402	45020.8	44738.2	0.4603 mg/L	23.02 ppm
1	Zn 213.856	176761.8	176805.5	3.304 mg/L	165.2 ppm
2	Ag 328.068	5.1	425.6	0.0056 mg/L	0.2783 ppm
2	Al 308.215	1083490.8	1083048.3	115.9 mg/L	5793 ppm
2	As 188.979	317.3	327.6	0.1418 mg/L	7.089 ppm
2	Ba 233.527	72370.8	72803.6	0.6641 mg/L	33.21 ppm
2	Be 313.107	-8934.2	-6633.5	-0.0027 mg/L	-0.1339 ppm
2	Ca 227.547	23849.4	23881.7	288.1 mg/L	14410 ppm
2	Cd 228.802	473.2	347.3	0.0084 mg/L	0.4189 ppm
2	Co 228.616	7138.0	7066.5	0.1943 mg/L	9.715 ppm
2	Cr 267.716	39140.0	39202.9	0.8485 mg/L	42.42 ppm
2	Cu 324.754	30618.4	30069.9	0.2793 mg/L	13.96 ppm
2	Fe 273.955	4612437.5	4612617.1	216.6 mg/L	10830 ppm
2	K 766.491	971951.3	965864.0	16.65 mg/L	832.7 ppm
2	Mg 279.079	636810.5	637825.7	65.26 mg/L	3263 ppm
2	Mn 257.610	1355274.3	1358657.5	3.172 mg/L	158.6 ppm
2	Mo 202.030	-117.0	-2.6	-0.0059 mg/L	-0.2973 ppm
2	Na 330.237	1232.5	-1.5	0.6190 mg/L	30.95 ppm
2	Ni 231.604	26864.5	26917.6	0.6692 mg/L	33.46 ppm
2	Pb 220.353	14567.9	14233.4	0.9859 mg/L	49.29 ppm
2	Sb 206.833	154.3	123.6	0.0316 mg/L	1.578 ppm
2	Se 196.026	-39.3	-43.7	0.0257 mg/L	1.286 ppm
2	Tl 190.800	-25.8	8.0	0.0030 mg/L	0.1513 ppm
2	V 292.402	45688.8	45406.3	0.4672 mg/L	23.36 ppm
2	Zn 213.856	179677.8	179721.5	3.359 mg/L	167.9 ppm
3	Ag 328.068	-183.9	236.6	0.0031 mg/L	0.1547 ppm
3	Al 308.215	1054018.3	1053575.7	112.7 mg/L	5635 ppm
3	As 188.979	311.3	321.7	0.1391 mg/L	6.953 ppm
3	Ba 233.527	70620.4	71053.2	0.6482 mg/L	32.41 ppm
3	Be 313.107	-8837.8	-6537.1	-0.0026 mg/L	-0.1320 ppm
3	Ca 227.547	23127.8	23160.1	281.4 mg/L	14070 ppm
3	Cd 228.802	455.7	329.8	0.0080 mg/L	0.3978 ppm
3	Co 228.616	6916.4	6844.9	0.1882 mg/L	9.410 ppm

3 Cr 267.716	37965.5	38028.4	0.8230 mg/L	41.15 ppm
3 Cu 324.754	30155.6	29607.1	0.2749 mg/L	13.74 ppm
3 Fe 273.955	4505406.1	4505585.7	211.5 mg/L	10580 ppm
3 K 766.491	934815.9	928728.6	16.08 mg/L	804.1 ppm
3 Mg 279.079	622620.8	623636.0	63.81 mg/L	3190 ppm
3 Mn 257.610	1321947.2	1325330.4	3.095 mg/L	154.7 ppm
3 Mo 202.030	-107.3	7.1	-0.0051 mg/L	-0.2553 ppm
3 Na 330.237	1297.2	63.2	0.7704 mg/L	38.52 ppm
3 Ni 231.604	26302.6	26355.7	0.6552 mg/L	32.76 ppm
3 Pb 220.353	13962.6	13628.1	0.9439 mg/L	47.20 ppm
3 Sb 206.833	136.6	105.8	0.0249 mg/L	1.245 ppm
3 Se 196.026	-79.4	-83.9	0.0126 mg/L	0.6304 ppm
3 Tl 190.800	-92.5	-58.7	-0.0179 mg/L	-0.8968 ppm
3 V 292.402	44764.4	44481.8	0.4576 mg/L	22.88 ppm
3 Zn 213.856	176102.8	176146.5	3.292 mg/L	164.6 ppm

Mean Data

ID: 2905-17 F=50

Sample Qty: 1.0000 mL

Seq. No.: 96

Sample No.: 68

A/S Pos: 77

Prep. Vol.: 1.0 mL

Dilution: 1.0: 50.0

Data: Original

Date: 04/28/03 03:55:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	327.0	0.0043	0.00124	mg/L	0.2139	0.06198	ppm	28.98%
Al 308.215	1063902.5	113.8	1.78	mg/L	5690	88.8	ppm	1.56%
As 188.979	321.7	0.1393	0.00230	mg/L	6.967	0.1149	ppm	1.65%
Ba 233.527	71916.4	0.6561	0.00798	mg/L	32.80	0.399	ppm	1.22%
Be 313.107	-6514.7	-0.0026	0.00005	mg/L	-0.1315	0.00265	ppm	2.02%
Ca 227.547	23561.6	284.9	3.38	mg/L	14250	169.0	ppm	1.19%
Cd 228.802	339.2	0.0082	0.00021	mg/L	0.4091	0.01062	ppm	2.60%
Co 228.616	7002.6	0.1925	0.00378	mg/L	9.627	0.1889	ppm	1.96%
Cr 267.716	38572.1	0.8348	0.01283	mg/L	41.74	0.642	ppm	1.54%
Cu 324.754	29847.3	0.2771	0.00221	mg/L	13.86	0.111	ppm	0.80%
Fe 273.955	4554636.4	213.8	2.54	mg/L	10690	126.9	ppm	1.19%
K 766.491	940473.9	16.26	0.338	mg/L	813.2	16.91	ppm	2.08%
Mg 279.079	630571.4	64.52	0.726	mg/L	3226	36.3	ppm	1.13%
Mn 257.610	1340934.8	3.131	0.0391	mg/L	156.5	1.96	ppm	1.25%
Mo 202.030	13.6	-0.0047	0.00151	mg/L	-0.2345	0.07540	ppm	32.16%
Na 330.237	-1.5	0.6190	0.15144	mg/L	30.95	7.572	ppm	24.47%
Ni 231.604	26754.3	0.6652	0.00863	mg/L	33.26	0.432	ppm	1.30%
Pb 220.353	13964.2	0.9672	0.02135	mg/L	48.36	1.067	ppm	2.21%
Sb 206.833	100.5	0.0226	0.01037	mg/L	1.128	0.5186	ppm	45.98%
Se 196.026	-90.5	0.0110	0.01555	mg/L	0.5509	0.77748	ppm	141.13%
Tl 190.800	-21.7	-0.0063	0.01066	mg/L	-0.3168	0.53294	ppm	168.25%
V 292.402	44875.4	0.4617	0.00493	mg/L	23.09	0.247	ppm	1.07%
Zn 213.856	177557.8	3.318	0.0355	mg/L	165.9	1.78	ppm	1.07%

Replicate Data

ID: 2905-18 F=50

Date: 04/28/03 03:58:32 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	72.0	492.5	0.0064 mg/L	0.3221 ppm
1 Al 308.215	810718.1	810275.6	86.67 mg/L	4334 ppm
1 As 188.979	268.4	278.7	0.1229 mg/L	6.143 ppm
1 Ba 233.527	45643.4	46076.3	0.4223 mg/L	21.12 ppm
1 Be 313.107	-8398.7	-6098.0	-0.0025 mg/L	-0.1231 ppm
1 Ca 227.547	18834.1	18866.5	229.2 mg/L	11460 ppm
1 Cd 228.802	130.4	4.5	0.0001 mg/L	0.0055 ppm
1 Co 228.616	4447.1	4375.6	0.1203 mg/L	6.015 ppm
1 Cr 267.716	29343.5	29406.4	0.6351 mg/L	31.76 ppm
1 Cu 324.754	17644.3	17095.8	0.1650 mg/L	8.248 ppm
1 Fe 273.955	4527975.4	4528155.0	212.6 mg/L	10630 ppm
1 K 766.491	673532.5	667445.2	11.94 mg/L	597.0 ppm
1 Mg 279.079	676270.4	677285.5	69.30 mg/L	3465 ppm
1 Mn 257.610	1510339.9	1513723.1	3.534 mg/L	176.7 ppm
1 Mo 202.030	-109.5	4.9	-0.0053 mg/L	-0.2645 ppm
1 Na 330.237	1462.0	228.0	1.156 mg/L	57.82 ppm
1 Ni 231.604	26090.4	26143.5	0.6500 mg/L	32.50 ppm
1 Pb 220.353	2988.2	2653.6	0.1818 mg/L	9.090 ppm
1 Sb 206.833	125.7	95.0	0.0214 mg/L	1.072 ppm
1 Se 196.026	-66.9	-71.4	0.0166 mg/L	0.8303 ppm

1 Tl 190.800	-89.3	-55.5	-0.0168 mg/L	-0.8420 ppm
1 V 292.402	40615.2	40332.6	0.4166 mg/L	20.83 ppm
1 Zn 213.856	40366.5	40410.2	0.7463 mg/L	37.31 ppm
2 Ag 328.068	-81.9	338.6	0.0044 mg/L	0.2214 ppm
2 Al 308.215	776075.3	775632.8	82.97 mg/L	4148 ppm
2 As 188.979	185.0	195.3	0.0921 mg/L	4.604 ppm
2 Ba 233.527	43750.6	44183.5	0.4050 mg/L	20.25 ppm
2 Be 313.107	-8247.9	-5947.2	-0.0024 mg/L	-0.1201 ppm
2 Ca 227.547	19390.6	19423.0	236.0 mg/L	11800 ppm
2 Cd 228.802	107.9	-18.0	-0.0004 mg/L	-0.0217 ppm
2 Co 228.616	4417.7	4346.2	0.1195 mg/L	5.975 ppm
2 Cr 267.716	29804.7	29867.6	0.6454 mg/L	32.27 ppm
2 Cu 324.754	16900.3	16351.8	0.1578 mg/L	7.890 ppm
2 Fe 273.955	4340424.8	4340604.5	203.8 mg/L	10190 ppm
2 K 766.491	650764.5	644677.2	11.57 mg/L	578.4 ppm
2 Mg 279.079	645790.8	646805.9	66.18 mg/L	3309 ppm
2 Mn 257.610	1443971.0	1447354.2	3.379 mg/L	169.0 ppm
2 Mo 202.030	-123.5	-9.1	-0.0061 mg/L	-0.3040 ppm
2 Na 330.237	1391.1	157.1	0.9903 mg/L	49.52 ppm
2 Ni 231.604	26257.0	26310.0	0.6541 mg/L	32.71 ppm
2 Pb 220.353	2937.5	2603.0	0.1782 mg/L	8.911 ppm
2 Sb 206.833	127.9	97.1	0.0228 mg/L	1.140 ppm
2 Se 196.026	-72.1	-76.5	0.0135 mg/L	0.6728 ppm
2 Tl 190.800	-57.5	-23.7	-0.0069 mg/L	-0.3466 ppm
2 V 292.402	38918.0	38635.4	0.3991 mg/L	19.96 ppm
2 Zn 213.856	40790.8	40834.5	0.7547 mg/L	37.74 ppm
3 Ag 328.068	-132.9	287.6	0.0038 mg/L	0.1881 ppm
3 Al 308.215	757439.6	756997.1	80.98 mg/L	4049 ppm
3 As 188.979	216.3	226.6	0.1029 mg/L	5.143 ppm
3 Ba 233.527	42696.9	43129.8	0.3954 mg/L	19.77 ppm
3 Be 313.107	-7962.1	-5661.4	-0.0023 mg/L	-0.1143 ppm
3 Ca 227.547	18680.7	18713.1	227.4 mg/L	11370 ppm
3 Cd 228.802	106.2	-19.7	-0.0005 mg/L	-0.0237 ppm
3 Co 228.616	4319.9	4248.4	0.1168 mg/L	5.841 ppm
3 Cr 267.716	28841.9	28904.9	0.6245 mg/L	31.23 ppm
3 Cu 324.754	16380.3	15831.8	0.1529 mg/L	7.647 ppm
3 Fe 273.955	4253329.2	4253508.9	199.7 mg/L	9985 ppm
3 K 766.491	636519.4	630432.1	11.33 mg/L	566.7 ppm
3 Mg 279.079	633280.9	634296.0	64.90 mg/L	3245 ppm
3 Mn 257.610	1412904.5	1416287.7	3.307 mg/L	165.3 ppm
3 Mo 202.030	-89.0	25.4	-0.0035 mg/L	-0.1728 ppm
3 Na 330.237	1361.9	127.9	0.9220 mg/L	46.10 ppm
3 Ni 231.604	25788.6	25841.7	0.6425 mg/L	32.12 ppm
3 Pb 220.353	2871.1	2536.5	0.1737 mg/L	8.684 ppm
3 Sb 206.833	86.8	56.1	0.0067 mg/L	0.3370 ppm
3 Se 196.026	-31.3	-35.8	0.0251 mg/L	1.255 ppm
3 Tl 190.800	-82.6	-48.8	-0.0148 mg/L	-0.7400 ppm
3 V 292.402	38044.7	37762.1	0.3901 mg/L	19.51 ppm
3 Zn 213.856	39989.7	40033.4	0.7399 mg/L	37.00 ppm

Mean Data

ID: 2905-18 F=50

Sample Qty: 1.0000 mL

Seq. No.: 97

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 69

1.0 mL

A/S Pos: 78

Dilution:

1.0:

50.0

Date: 04/28/03

03:58:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	372.9	0.0049	0.00139	mg/L	0.2439	0.06975	ppm	28.60%
Al 308.215	780968.5	83.54	2.892	mg/L	4177	144.6	ppm	3.46%
As 188.979	233.6	0.1059	0.01561	mg/L	5.297	0.7806	ppm	14.74%
Ba 233.527	44463.2	0.4076	0.01368	mg/L	20.38	0.684	ppm	3.36%
Be 313.107	-5902.2	-0.0024	0.00009	mg/L	-0.1192	0.00448	ppm	3.76%
Ca 227.547	19000.8	230.9	4.54	mg/L	11540	226.9	ppm	1.97%
Cd 228.802	-11.0	-0.0003	0.00033	mg/L	-0.0133	0.01629	ppm	122.38%
Co 228.616	4323.4	0.1189	0.00183	mg/L	5.944	0.0916	ppm	1.54%
Cr 267.716	29393.0	0.6350	0.01044	mg/L	31.75	0.522	ppm	1.64%
Cu 324.754	16426.5	0.1586	0.00604	mg/L	7.928	0.3018	ppm	3.81%
Fe 273.955	4374089.5	205.4	6.59	mg/L	10270	329.5	ppm	3.21%
K 766.491	647518.2	11.61	0.306	mg/L	580.7	15.29	ppm	2.63%
Mg 279.079	652795.8	66.79	2.262	mg/L	3340	113.1	ppm	3.39%
Mn 257.610	1459121.7	3.407	0.1162	mg/L	170.3	5.81	ppm	3.40%

Mo 202.030	7.1	-0.0049	0.00135 mg/L	-0.2471	0.06728 ppm	27.23%
Na 330.237	171.0	1.023	0.1205 mg/L	51.14	6.027 ppm	11.78%
Ni 231.604	26098.4	0.6488	0.00590 mg/L	32.44	0.295 ppm	0.91%
Pb 220.353	2597.7	0.1779	0.00407 mg/L	8.895	0.2035 ppm	2.29%
Sb 206.833	82.7	0.0170	0.00891 mg/L	0.8497	0.44534 ppm	52.41%
Se 196.026	-61.2	0.0184	0.00602 mg/L	0.9194	0.30109 ppm	32.75%
Tl 190.800	-42.7	-0.0129	0.00523 mg/L	-0.6429	0.26160 ppm	40.69%
V 292.402	38910.0	0.4019	0.01348 mg/L	20.10	0.674 ppm	3.35%
Zn 213.856	40426.0	0.7470	0.00742 mg/L	37.35	0.371 ppm	0.99%

Replicate Data

ID: 2905-19 F=50

Date: 04/28/03 04:01:03 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-280.0	140.5	0.0018 mg/L	0.0918 ppm
1	Al 308.215	549948.3	549505.7	58.78 mg/L	2939 ppm
1	As 188.979	242.5	252.9	0.1110 mg/L	5.548 ppm
1	Ba 233.527	11986.1	12419.0	0.1174 mg/L	5.871 ppm
1	Be 313.107	-6118.4	-3817.7	-0.0015 mg/L	-0.0771 ppm
1	Ca 227.547	5901.6	5933.9	72.09 mg/L	3605 ppm
1	Cd 228.802	97.2	-28.7	-0.0007 mg/L	-0.0346 ppm
1	Co 228.616	3889.8	3818.3	0.1050 mg/L	5.249 ppm
1	Cr 267.716	22548.7	22611.6	0.4876 mg/L	24.38 ppm
1	Cu 324.754	6526.7	5978.2	0.0658 mg/L	3.289 ppm
1	Fe 273.955	4086844.1	4087023.8	191.9 mg/L	9595 ppm
1	K 766.491	497147.5	491060.3	9.004 mg/L	450.2 ppm
1	Mg 279.079	499617.0	500632.1	51.22 mg/L	2561 ppm
1	Mn 257.610	1414086.2	1417469.4	3.310 mg/L	165.5 ppm
1	Mo 202.030	-157.9	-43.5	-0.0083 mg/L	-0.4133 ppm
1	Na 330.237	1055.3	-178.7	0.2036 mg/L	10.18 ppm
1	Ni 231.604	17894.3	17947.3	0.4462 mg/L	22.31 ppm
1	Pb 220.353	1140.2	805.7	0.0540 mg/L	2.702 ppm
1	Sb 206.833	54.1	23.3	-0.0052 mg/L	-0.2598 ppm
1	Se 196.026	-54.5	-58.9	0.0167 mg/L	0.8327 ppm
1	Tl 190.800	-52.5	-18.7	-0.0053 mg/L	-0.2649 ppm
1	V 292.402	29596.6	29314.0	0.3058 mg/L	15.29 ppm
1	Zn 213.856	16825.3	16869.0	0.3059 mg/L	15.30 ppm
2	Ag 328.068	-173.5	247.0	0.0032 mg/L	0.1615 ppm
2	Al 308.215	537046.7	536604.2	57.40 mg/L	2870 ppm
2	As 188.979	227.1	237.5	0.1050 mg/L	5.250 ppm
2	Ba 233.527	11976.7	12409.5	0.1122 mg/L	5.611 ppm
2	Be 313.107	-6006.6	-3705.9	-0.0015 mg/L	-0.0748 ppm
2	Ca 227.547	5977.1	6009.4	73.01 mg/L	3651 ppm
2	Cd 228.802	61.9	-64.0	-0.0015 mg/L	-0.0771 ppm
2	Co 228.616	3894.0	3822.6	0.1051 mg/L	5.255 ppm
2	Cr 267.716	22631.3	22694.2	0.4895 mg/L	24.48 ppm
2	Cu 324.754	6309.8	5761.3	0.0636 mg/L	3.178 ppm
2	Fe 273.955	3989756.9	3989936.5	187.3 mg/L	9367 ppm
2	K 766.491	493639.1	487551.8	8.944 mg/L	447.2 ppm
2	Mg 279.079	486412.8	487427.9	49.87 mg/L	2494 ppm
2	Mn 257.610	1380753.6	1384136.8	3.232 mg/L	161.6 ppm
2	Mo 202.030	-182.2	-67.8	-0.0099 mg/L	-0.4954 ppm
2	Na 330.237	1119.9	-114.1	0.3551 mg/L	17.76 ppm
2	Ni 231.604	18114.0	18167.1	0.4517 mg/L	22.58 ppm
2	Pb 220.353	1091.0	756.4	0.0507 mg/L	2.534 ppm
2	Sb 206.833	63.8	33.0	-0.0010 mg/L	-0.0519 ppm
2	Se 196.026	-41.5	-45.9	0.0198 mg/L	0.9888 ppm
2	Tl 190.800	-48.9	-15.1	-0.0042 mg/L	-0.2088 ppm
2	V 292.402	28874.9	28592.4	0.2983 mg/L	14.91 ppm
2	Zn 213.856	16990.9	17034.6	0.3093 mg/L	15.46 ppm
3	Ag 328.068	-467.2	-46.7	-0.0006 mg/L	-0.0305 ppm
3	Al 308.215	544877.5	544434.9	58.24 mg/L	2912 ppm
3	As 188.979	254.7	265.0	0.1151 mg/L	5.753 ppm
3	Ba 233.527	11859.4	12292.3	0.1162 mg/L	5.810 ppm
3	Be 313.107	-5922.7	-3622.0	-0.0015 mg/L	-0.0731 ppm
3	Ca 227.547	5726.9	5759.3	69.97 mg/L	3499 ppm
3	Cd 228.802	99.4	-26.5	-0.0006 mg/L	-0.0319 ppm
3	Co 228.616	3805.1	3733.6	0.1027 mg/L	5.133 ppm
3	Cr 267.716	22196.7	22259.6	0.4800 mg/L	24.00 ppm

3 Cu 324.754	6584.1	6035.6	0.0661 mg/L	3.306 ppm
3 Fe 273.955	4035213.8	4035393.5	189.5 mg/L	9473 ppm
3 K 766.491	501469.9	495382.6	9.077 mg/L	453.9 ppm
3 Mg 279.079	491263.3	492278.4	50.37 mg/L	2518 ppm
3 Mn 257.610	1393096.6	1396479.9	3.261 mg/L	163.0 ppm
3 Mo 202.030	-91.1	23.3	-0.0033 mg/L	-0.1670 ppm
3 Na 330.237	1026.1	-207.9	0.1352 mg/L	6.758 ppm
3 Ni 231.604	17662.6	17715.7	0.4404 mg/L	22.02 ppm
3 Pb 220.353	1117.1	782.6	0.0525 mg/L	2.624 ppm
3 Sb 206.833	34.7	4.0	-0.0127 mg/L	-0.6372 ppm
3 Se 196.026	-53.0	-57.5	0.0167 mg/L	0.8331 ppm
3 Tl 190.800	-68.9	-35.0	-0.0104 mg/L	-0.5214 ppm
3 V 292.402	29350.7	29068.1	0.3032 mg/L	15.16 ppm
3 Zn 213.856	16648.8	16692.5	0.3028 mg/L	15.14 ppm

Mean Data

ID: 2905-19 F=50

Sample Qty: 1.0000 mL

Seq. No.: 98

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 70

1.0 mL

A/S Pos: 79

Dilution: 1.0: 50.0

Date: 04/28/03 04:01:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	113.6	0.0015	0.00194	mg/L	0.0743	0.09721	ppm	130.86%
Al 308.215	543515.0	58.14	0.695	mg/L	2907	34.8	ppm	1.20%
As 188.979	251.8	0.1103	0.00506	mg/L	5.517	0.2529	ppm	4.58%
Ba 233.527	12373.6	0.1153	0.00272	mg/L	5.764	0.1359	ppm	2.36%
Be 313.107	-3715.2	-0.0015	0.00004	mg/L	-0.0750	0.00198	ppm	2.64%
Ca 227.547	5900.9	71.69	1.559	mg/L	3585	77.9	ppm	2.17%
Cd 228.802	-39.7	-0.0010	0.00051	mg/L	-0.0479	0.02536	ppm	52.94%
Co 228.616	3791.5	0.1042	0.00138	mg/L	5.212	0.0689	ppm	1.32%
Cr 267.716	22521.8	0.4857	0.00504	mg/L	24.28	0.252	ppm	1.04%
Cu 324.754	5925.1	0.0652	0.00139	mg/L	3.258	0.0695	ppm	2.13%
Fe 273.955	4037451.3	189.6	2.28	mg/L	9478	114.0	ppm	1.20%
K 766.491	491331.6	9.008	0.0667	mg/L	450.4	3.34	ppm	0.74%
Mg 279.079	493446.1	50.49	0.683	mg/L	2524	34.2	ppm	1.35%
Mn 257.610	1399362.0	3.267	0.0393	mg/L	163.4	1.97	ppm	1.20%
Mo 202.030	-29.3	-0.0072	0.00342	mg/L	-0.3586	0.17090	ppm	47.66%
Na 330.237	-166.9	0.2313	0.11258	mg/L	11.56	5.629	ppm	48.68%
Ni 231.604	17943.4	0.4461	0.00561	mg/L	22.30	0.281	ppm	1.26%
Pb 220.353	781.6	0.0524	0.00169	mg/L	2.620	0.0843	ppm	3.22%
Sb 206.833	20.1	-0.0063	0.00593	mg/L	-0.3163	0.29673	ppm	93.81%
Se 196.026	-54.1	0.0177	0.00180	mg/L	0.8849	0.09003	ppm	10.17%
Tl 190.800	-23.0	-0.0066	0.00333	mg/L	-0.3317	0.16668	ppm	50.25%
V 292.402	28991.5	0.3024	0.00381	mg/L	15.12	0.191	ppm	1.26%
Zn 213.856	16865.4	0.3060	0.00327	mg/L	15.30	0.163	ppm	1.07%

Replicate Data

ID: 2905-20 F=50

Date: 04/28/03 04:03:34 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-81.9	338.6	0.0044 mg/L	0.2214 ppm
1	Al 308.215	640183.6	639741.0	68.43 mg/L	3422 ppm
1	As 188.979	101.3	111.7	0.0611 mg/L	3.054 ppm
1	Ba 233.527	38133.6	38566.5	0.3488 mg/L	17.44 ppm
1	Be 313.107	-9106.0	-6805.3	-0.0027 mg/L	-0.1374 ppm
1	Ca 227.547	30940.7	30973.1	376.3 mg/L	18820 ppm
1	Cd 228.802	122.3	-3.6	-0.0001 mg/L	-0.0044 ppm
1	Co 228.616	3814.7	3743.2	0.1029 mg/L	5.146 ppm
1	Cr 267.716	25226.7	25289.6	0.5465 mg/L	27.32 ppm
1	Cu 324.754	11448.7	10900.2	0.1077 mg/L	5.386 ppm
1	Fe 273.955	3672917.6	3673097.2	172.4 mg/L	8622 ppm
1	K 766.491	572719.8	566632.5	10.28 mg/L	513.9 ppm
1	Mg 279.079	455449.0	456464.2	46.70 mg/L	2335 ppm
1	Mn 257.610	1439718.3	1443101.5	3.370 mg/L	168.5 ppm
1	Mo 202.030	-71.8	42.6	-0.0015 mg/L	-0.0740 ppm
1	Na 330.237	1833.4	599.4	2.025 mg/L	101.3 ppm
1	Ni 231.604	20931.5	20984.6	0.5217 mg/L	26.09 ppm
1	Pb 220.353	1161.3	826.8	0.0539 mg/L	2.696 ppm
1	Sb 206.833	56.8	26.1	-0.0032 mg/L	-0.1580 ppm
1	Se 196.026	-131.5	-136.0	-0.0102 mg/L	-0.5119 ppm
1	Tl 190.800	-84.5	-50.7	-0.0160 mg/L	-0.7998 ppm

1 V 292.402	34959.2	34676.6	0.3574 mg/L	17.87 ppm
1 Zn 213.856	18216.1	18259.8	0.3331 mg/L	16.65 ppm
2 Ag 328.068	-82.2	338.3	0.0044 mg/L	0.2212 ppm
2 Al 308.215	635540.1	635097.5	67.94 mg/L	3397 ppm
2 As 188.979	86.3	96.7	0.0552 mg/L	2.760 ppm
2 Ba 233.527	37607.3	38040.2	0.3440 mg/L	17.20 ppm
2 Be 313.107	-9227.0	-6926.3	-0.0028 mg/L	-0.1398 ppm
2 Ca 227.547	29126.3	29158.6	354.3 mg/L	17710 ppm
2 Cd 228.802	117.6	-8.3	-0.0002 mg/L	-0.0100 ppm
2 Co 228.616	3798.1	3726.6	0.1025 mg/L	5.123 ppm
2 Cr 267.716	23820.7	23883.6	0.5159 mg/L	25.79 ppm
2 Cu 324.754	11212.1	10663.6	0.1055 mg/L	5.274 ppm
2 Fe 273.955	3624389.6	3624569.3	170.2 mg/L	8508 ppm
2 K 766.491	573661.6	567574.3	10.29 mg/L	514.6 ppm
2 Mg 279.079	448791.7	449806.8	46.02 mg/L	2301 ppm
2 Mn 257.610	1417188.5	1420571.7	3.317 mg/L	165.8 ppm
2 Mo 202.030	-63.7	50.7	-0.0008 mg/L	-0.0417 ppm
2 Na 330.237	1891.8	657.7	2.161 mg/L	108.1 ppm
2 Ni 231.604	19927.3	19980.3	0.4967 mg/L	24.84 ppm
2 Pb 220.353	988.1	653.6	0.0421 mg/L	2.107 ppm
2 Sb 206.833	38.3	7.6	-0.0103 mg/L	-0.5136 ppm
2 Se 196.026	-72.9	-77.4	0.0072 mg/L	0.3576 ppm
2 Tl 190.800	-74.0	-40.2	-0.0126 mg/L	-0.6314 ppm
2 V 292.402	34527.5	34245.0	0.3529 mg/L	17.65 ppm
2 Zn 213.856	17289.2	17332.9	0.3158 mg/L	15.79 ppm
3 Ag 328.068	-88.3	332.2	0.0043 mg/L	0.2172 ppm
3 Al 308.215	636397.3	635954.8	68.03 mg/L	3401 ppm
3 As 188.979	95.9	106.3	0.0586 mg/L	2.928 ppm
3 Ba 233.527	37297.6	37730.4	0.3412 mg/L	17.06 ppm
3 Be 313.107	-9142.4	-6841.7	-0.0028 mg/L	-0.1381 ppm
3 Ca 227.547	28939.2	28971.5	352.0 mg/L	17600 ppm
3 Cd 228.802	98.4	-27.5	-0.0007 mg/L	-0.0332 ppm
3 Co 228.616	3661.8	3590.3	0.0987 mg/L	4.936 ppm
3 Cr 267.716	23565.2	23628.1	0.5103 mg/L	25.52 ppm
3 Cu 324.754	11212.1	10663.6	0.1054 mg/L	5.272 ppm
3 Fe 273.955	3612103.4	3612283.1	169.6 mg/L	8480 ppm
3 K 766.491	590824.3	584737.0	10.58 mg/L	528.9 ppm
3 Mg 279.079	448477.9	449493.0	45.99 mg/L	2300 ppm
3 Mn 257.610	1412425.1	1415808.3	3.306 mg/L	165.3 ppm
3 Mo 202.030	-117.4	-3.0	-0.0047 mg/L	-0.2364 ppm
3 Na 330.237	1733.3	499.2	1.791 mg/L	89.55 ppm
3 Ni 231.604	19792.3	19845.4	0.4934 mg/L	24.67 ppm
3 Pb 220.353	1006.7	672.1	0.0435 mg/L	2.173 ppm
3 Sb 206.833	72.3	41.6	0.0034 mg/L	0.1702 ppm
3 Se 196.026	-79.1	-83.6	0.0052 mg/L	0.2575 ppm
3 Tl 190.800	-66.4	-32.6	-0.0102 mg/L	-0.5124 ppm
3 V 292.402	34809.7	34527.2	0.3557 mg/L	17.78 ppm
3 Zn 213.856	17120.8	17164.5	0.3127 mg/L	15.63 ppm

Mean Data

ID: 2905-20 F=50

Sample Qty: 1.0000 mL

Seq. No.: 99

Prep. Vol.: 1.0 mL

Data: Original

Sample No.: 71

1.0 mL

A/S Pos: 80

Dilution: 1.0: 50.0

Date: 04/28/03 04:03:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	336.4	0.0044	0.00005	mg/L	0.2200	0.00236	ppm	1.08%
Al 308.215	636931.1	68.13	0.264	mg/L	3407	13.2	ppm	0.39%
As 188.979	104.9	0.0583	0.00295	mg/L	2.914	0.1477	ppm	5.07%
Ba 233.527	38112.4	0.3447	0.00382	mg/L	17.23	0.191	ppm	1.11%
Be 313.107	-6857.8	-0.0028	0.00003	mg/L	-0.1384	0.00125	ppm	0.91%
Ca 227.547	29701.1	360.9	13.43	mg/L	18040	671.6	ppm	3.72%
Cd 228.802	-13.1	-0.0003	0.00031	mg/L	-0.0158	0.01528	ppm	96.40%
Co 228.616	3686.7	0.1014	0.00231	mg/L	5.068	0.1154	ppm	2.28%
Cr 267.716	24267.1	0.5242	0.01946	mg/L	26.21	0.973	ppm	3.71%
Cu 324.754	10742.5	0.1062	0.00130	mg/L	5.311	0.0652	ppm	1.23%
Fe 273.955	3636649.9	170.7	1.51	mg/L	8537	75.5	ppm	0.88%
K 766.491	572981.3	10.38	0.170	mg/L	519.2	8.49	ppm	1.64%
Mg 279.079	451921.3	46.24	0.403	mg/L	2312	20.1	ppm	0.87%
Mn 257.610	1426493.8	3.331	0.0340	mg/L	166.5	1.70	ppm	1.02%
Mo 202.030	30.1	-0.0023	0.00209	mg/L	-0.1174	0.10430	ppm	88.86%

Na 330.237	585.4	1.993	0.1874 mg/L	99.63	9.369 ppm	9.40%
Ni 231.604	20270.1	0.5039	0.01547 mg/L	25.20	0.774 ppm	3.07%
Pb 220.353	717.5	0.0465	0.00646 mg/L	2.325	0.3228 ppm	13.88%
Sb 206.833	25.1	-0.0033	0.00684 mg/L	-0.1671	0.34202 ppm	204.63%
Se 196.026	-99.0	0.0007	0.00951 mg/L	0.0344	0.47573 ppm	>999.9%
Tl 190.800	-41.2	-0.0130	0.00289 mg/L	-0.6478	0.14442 ppm	22.29%
V 292.402	34482.9	0.3553	0.00225 mg/L	17.77	0.112 ppm	0.63%
Zn 213.856	17585.7	0.3205	0.01098 mg/L	16.03	0.549 ppm	3.43%

Replicate Data

ID: ICSA 1441

Date: 04/28/03 04:06:09 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units
1	Ag 328.068	-18.3	402.2	0.0053 mg/L	
1	Al 308.215	3957021.5	3956578.9	423.2 mg/L	
1	As 188.979	-96.0	-85.6	-0.0164 mg/L	
1	Ba 233.527	-563.5	-130.6	-0.0012 mg/L	
1	Be 313.107	-2194.1	106.7	0.0000 mg/L	
1	Ca 227.547	36775.1	36807.4	447.2 mg/L	
1	Cd 228.802	95.0	-30.9	-0.0007 mg/L	
1	Co 228.616	222.6	151.1	0.0042 mg/L	
1	Cr 267.716	531.2	594.1	0.0084 mg/L	
1	Cu 324.754	-292.7	-841.2	0.0042 mg/L	
1	Fe 273.955	3571189.7	3571369.3	167.7 mg/L	
1	K 766.491	6372.5	285.2	0.0760 mg/L	
1	Mg 279.079	4235522.7	4236537.8	433.5 mg/L	
1	Mn 257.610	-1253.0	2130.2	-0.0013 mg/L	
1	Mo 202.030	-13.4	101.0	0.0029 mg/L	
1	Na 330.237	1055.6	-178.4	0.2043 mg/L	
1	Ni 231.604	5.9	59.0	0.0015 mg/L	
1	Pb 220.353	-127.4	-461.9	-0.0089 mg/L	
1	Sb 206.833	18.7	-12.1	-0.0149 mg/L	
1	Se 196.026	-65.9	-70.4	0.0088 mg/L	
1	Tl 190.800	-33.2	0.6	0.0016 mg/L	
1	V 292.402	-1435.4	-1718.0	-0.0036 mg/L	
1	Zn 213.856	1027.4	1071.1	0.0025 mg/L	
2	Ag 328.068	126.4	546.9	0.0072 mg/L	
2	Al 308.215	4072279.0	4071836.4	435.6 mg/L	
2	As 188.979	-83.7	-73.4	-0.0118 mg/L	
2	Ba 233.527	-643.5	-210.6	-0.0019 mg/L	
2	Be 313.107	-2136.7	164.0	0.0001 mg/L	
2	Ca 227.547	36967.0	36999.3	449.5 mg/L	
2	Cd 228.802	66.6	-59.3	-0.0014 mg/L	
2	Co 228.616	180.8	109.3	0.0030 mg/L	
2	Cr 267.716	414.7	477.6	0.0058 mg/L	
2	Cu 324.754	-208.8	-757.3	0.0051 mg/L	
2	Fe 273.955	3626448.0	3626627.7	170.2 mg/L	
2	K 766.491	6306.0	218.8	0.0747 mg/L	
2	Mg 279.079	4305922.4	4306937.5	440.7 mg/L	
2	Mn 257.610	-1283.3	2099.9	-0.0015 mg/L	
2	Mo 202.030	-48.1	66.3	0.0003 mg/L	
2	Na 330.237	1097.8	-136.2	0.3033 mg/L	
2	Ni 231.604	-55.6	-2.5	-0.0001 mg/L	
2	Pb 220.353	-148.8	-483.4	-0.0095 mg/L	
2	Sb 206.833	24.3	-6.4	-0.0127 mg/L	
2	Se 196.026	-58.9	-63.3	0.0114 mg/L	
2	Tl 190.800	-85.7	-51.9	-0.0149 mg/L	
2	V 292.402	-1343.9	-1626.4	-0.0025 mg/L	
2	Zn 213.856	1024.7	1068.4	0.0021 mg/L	
3	Ag 328.068	62.3	482.8	0.0063 mg/L	
3	Al 308.215	3919320.9	3918878.3	419.2 mg/L	
3	As 188.979	-40.9	-30.5	0.0032 mg/L	
3	Ba 233.527	-612.9	-180.1	-0.0016 mg/L	
3	Be 313.107	-2152.4	148.3	0.0001 mg/L	
3	Ca 227.547	36618.1	36650.4	445.3 mg/L	
3	Cd 228.802	53.7	-72.2	-0.0017 mg/L	
3	Co 228.616	154.2	82.7	0.0023 mg/L	
3	Cr 267.716	315.3	378.2	0.0038 mg/L	
3	Cu 324.754	-310.0	-858.5	0.0038 mg/L	

3 Fe 273.955	3504986.7	3505166.4	164.5 mg/L
3 K 766.491	6726.7	639.5	0.0829 mg/L
3 Mg 279.079	4154734.3	4155749.4	425.2 mg/L
3 Mn 257.610	-1331.9	2051.3	-0.0013 mg/L
3 Mo 202.030	-30.1	84.3	0.0018 mg/L
3 Na 330.237	1086.1	-147.9	0.2758 mg/L
3 Ni 231.604	12.6	65.6	0.0016 mg/L
3 Pb 220.353	-160.3	-494.8	-0.0113 mg/L
3 Sb 206.833	31.4	0.6	-0.0096 mg/L
3 Se 196.026	-65.5	-69.9	0.0084 mg/L
3 Tl 190.800	-42.0	-8.2	-0.0012 mg/L
3 V 292.402	-1351.8	-1634.4	-0.0030 mg/L
3 Zn 213.856	997.3	1041.1	0.0022 mg/L

Mean Data

ID: ICSA 1441	Seq. No.: 100	Sample No.: 3	A/S Pos: 7
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0:	1.0
	Data: Original	Date: 04/28/03	04:06:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	477.3	0.0062	0.00095	mg/L				15.19%
Al 308.215	3982431.2	426.0	8.52	mg/L				2.00%
As 188.979	-63.2	-0.0083	0.01025	mg/L				122.85%
Ba 233.527	-173.8	-0.0016	0.00037	mg/L				23.25%
Be 313.107	139.7	0.0001	0.00001	mg/L				21.22%
Ca 227.547	36819.0	447.3	2.12	mg/L				40.47%
Cd 228.802	-54.2	-0.0013	0.00051	mg/L				39.01%
Co 228.616	114.4	0.0031	0.00095	mg/L				30.14%
Cr 267.716	483.3	0.0060	0.00232	mg/L				38.54%
Cu 324.754	-819.0	0.0044	0.00066	mg/L				15.19%
Fe 273.955	3567721.1	167.5	2.85	mg/L				1.70%
K 766.491	381.1	0.0779	0.00442	mg/L				5.68%
Mg 279.079	4233074.9	433.1	7.74	mg/L				1.79%
Mn 257.610	2093.8	-0.0014	0.00009	mg/L				6.48%
Mo 202.030	83.9	0.0017	0.00130	mg/L				78.73%
Na 330.237	-154.2	0.2612	0.05108	mg/L				19.56%
Ni 231.604	40.7	0.0010	0.00093	mg/L				92.29%
Pb 220.353	-480.0	-0.0099	0.00127	mg/L				12.84%
Sb 206.833	-5.9	-0.0124	0.00267	mg/L				21.51%
Se 196.026	-67.9	0.0095	0.00165	mg/L				17.24%
Tl 190.800	-19.8	-0.0049	0.00881	mg/L				181.69%
V 292.402	-1659.6	-0.0030	0.00056	mg/L				18.37%
Zn 213.856	1060.2	0.0023	0.00017	mg/L				7.53%

Replicate Data

ID: ICSAB 1443	Date: 04/28/03	04:08:54 PM
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Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	78630.4	79050.9	1.034 mg/L	
1 Al 308.215	4270006.3	4269563.7	456.7 mg/L	
1 As 188.979	2559.7	2570.0	0.9416 mg/L	
1 Ba 233.527	54642.1	55075.0	0.4981 mg/L	
1 Be 313.107	1173165.8	1175466.5	0.4746 mg/L	
1 Ca 227.547	41027.4	41059.7	498.9 mg/L	
1 Cd 228.802	39416.2	39290.3	0.9477 mg/L	
1 Co 228.616	16965.1	16893.6	0.4645 mg/L	
1 Cr 267.716	22452.1	22515.1	0.4859 mg/L	
1 Cu 324.754	58722.3	58173.8	0.5235 mg/L	
1 Fe 273.955	3749054.5	3749234.1	176.0 mg/L	
1 K 766.491	7328.1	1240.8	0.0947 mg/L	
1 Mg 279.079	4453871.6	4454886.7	455.8 mg/L	
1 Mn 257.610	210200.5	213583.7	0.4921 mg/L	
1 Mo 202.030	12851.1	12965.6	0.9390 mg/L	
1 Na 330.237	1333.4	99.3	0.8552 mg/L	
1 Ni 231.604	38416.3	38469.4	0.9564 mg/L	
1 Pb 220.353	13651.6	13317.0	0.9477 mg/L	
1 Sb 206.833	2483.6	2452.8	0.9685 mg/L	
1 Se 196.026	3121.8	3117.4	0.9781 mg/L	
1 Tl 190.800	2909.5	2943.3	0.9272 mg/L	
1 V 292.402	48586.3	48303.7	0.4927 mg/L	

1 Zn 213.856	54955.4	54999.2	1.013 mg/L
2 Ag 328.068	74319.0	74739.5	0.9775 mg/L
2 Al 308.215	4301886.5	4301443.9	460.1 mg/L
2 As 188.979	2649.7	2660.1	0.9739 mg/L
2 Ba 233.527	52388.5	52821.3	0.4777 mg/L
2 Be 313.107	1184755.0	1187055.7	0.4793 mg/L
2 Ca 227.547	39100.2	39132.6	475.4 mg/L
2 Cd 228.802	39862.5	39736.6	0.9585 mg/L
2 Co 228.616	17135.3	17063.8	0.4692 mg/L
2 Cr 267.716	22622.0	22684.9	0.4896 mg/L
2 Cu 324.754	56167.4	55618.9	0.5012 mg/L
2 Fe 273.955	3775046.2	3775225.9	177.2 mg/L
2 K 766.491	7104.6	1017.3	0.0903 mg/L
2 Mg 279.079	4497235.1	4498250.2	460.2 mg/L
2 Mn 257.610	200959.5	204342.7	0.4705 mg/L
2 Mo 202.030	12713.5	12828.0	0.9289 mg/L
2 Na 330.237	1284.0	50.0	0.7396 mg/L
2 Ni 231.604	36810.3	36863.4	0.9165 mg/L
2 Pb 220.353	13481.9	13147.3	0.9364 mg/L
2 Sb 206.833	2450.6	2419.9	0.9552 mg/L
2 Se 196.026	3028.2	3023.7	0.9499 mg/L
2 Tl 190.800	2916.1	2949.9	0.9293 mg/L
2 V 292.402	46542.2	46259.6	0.4725 mg/L
2 Zn 213.856	52480.9	52524.6	0.9663 mg/L
3 Ag 328.068	75894.4	76314.9	0.9981 mg/L
3 Al 308.215	4340027.4	4339584.9	464.2 mg/L
3 As 188.979	2540.7	2551.1	0.9347 mg/L
3 Ba 233.527	53005.9	53438.8	0.4833 mg/L
3 Be 313.107	1192957.2	1195258.0	0.4826 mg/L
3 Ca 227.547	39608.7	39641.1	481.6 mg/L
3 Cd 228.802	38482.8	38356.9	0.9252 mg/L
3 Co 228.616	16642.6	16571.1	0.4556 mg/L
3 Cr 267.716	22017.7	22080.6	0.4764 mg/L
3 Cu 324.754	56706.7	56158.2	0.5060 mg/L
3 Fe 273.955	3791445.7	3791625.3	178.0 mg/L
3 K 766.491	6880.1	792.8	0.0859 mg/L
3 Mg 279.079	4515841.0	4516856.1	462.2 mg/L
3 Mn 257.610	203981.2	207364.4	0.4775 mg/L
3 Mo 202.030	12488.9	12603.4	0.9126 mg/L
3 Na 330.237	1231.6	-2.5	0.6167 mg/L
3 Ni 231.604	37506.7	37559.8	0.9338 mg/L
3 Pb 220.353	13385.9	13051.4	0.9300 mg/L
3 Sb 206.833	2453.7	2423.0	0.9565 mg/L
3 Se 196.026	2934.1	2929.7	0.9215 mg/L
3 Tl 190.800	2833.3	2867.1	0.9033 mg/L
3 V 292.402	47123.2	46840.6	0.4783 mg/L
3 Zn 213.856	53309.0	53352.7	0.9818 mg/L

Mean Data

ID: ICSAB 1443

Sample Qty: 1.0000 g

Seq. No.: 101

Prep. Vol.: 1.0 L

Data: Original

Sample No.: 4

1.0 L

A/S Pos: 8

Dilution:

Date: 04/28/03

1.0: 1.0

04:08:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev. Units	Calib Units	Mean Conc.	Std.Dev. Units	Sample Units	RSD
Ag 328.068	76701.8	1.003	0.0285	mg/L				2.84%
Al 308.215	4303530.8	460.3	3.75	mg/L				0.81%
As 188.979	2593.7	0.9501	0.02092	mg/L				2.20%
Ba 233.527	53778.4	0.4863	0.01053	mg/L				2.17%
Be 313.107	1185926.7	0.4788	0.00402	mg/L				0.84%
Ca 227.547	39944.5	485.3	12.13	mg/L				2.50%
Cd 228.802	39127.9	0.9438	0.01698	mg/L				1.80%
Co 228.616	16842.8	0.4631	0.00688	mg/L				1.49%
Cr 267.716	22426.8	0.4840	0.00681	mg/L				1.41%
Cu 324.754	56650.3	0.5102	0.01178	mg/L				2.31%
Fe 273.955	3772028.4	177.1	1.00	mg/L				0.57%
K 766.491	1017.0	0.0903	0.00438	mg/L				4.85%
Mg 279.079	4489997.6	459.4	3.25	mg/L				0.71%
Mn 257.610	208430.3	0.4800	0.01104	mg/L				2.30%
Mo 202.030	12799.0	0.9268	0.01333	mg/L				1.44%
Na 330.237	49.0	0.7371	0.11925	mg/L				16.38%

Ni 231.604	37630.8	0.9356	0.02002 mg/L	2.14%
Pb 220.353	13171.9	0.9380	0.00899 mg/L	0.96%
Sb 206.833	2431.9	0.9601	0.00732 mg/L	0.76%
Se 196.026	3023.6	0.9498	0.02831 mg/L	2.98%
Tl 190.800	2920.1	0.9199	0.01445 mg/L	1.57%
V 292.402	47134.6	0.4812	0.01037 mg/L	2.16%
Zn 213.856	53625.5	0.9870	0.02371 mg/L	2.40%

Replicate Data

ID: CCV 1447B

Date: 04/28/03 04:11:38 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	72287.7	72708.2	0.9509 mg/L	
1	Al 308.215	46058.1	45615.5	4.879 mg/L	
1	As 188.979	1352.7	1363.1	0.4923 mg/L	
1	Ba 233.527	525147.8	525580.6	4.753 mg/L	
1	Be 313.107	1191040.8	1193341.5	0.4818 mg/L	
1	Ca 227.547	4055.4	4087.8	49.66 mg/L	
1	Cd 228.802	40195.9	40070.0	0.9665 mg/L	
1	Co 228.616	70687.9	70616.4	1.942 mg/L	
1	Cr 267.716	21979.3	22042.2	0.4804 mg/L	
1	Cu 324.754	218844.2	218295.7	1.919 mg/L	
1	Fe 273.955	102727.0	102906.6	4.822 mg/L	
1	K 766.491	866099.8	860012.5	15.02 mg/L	
1	Mg 279.079	232657.5	233672.7	23.91 mg/L	
1	Mn 257.610	817876.3	821259.5	1.918 mg/L	
1	Mo 202.030	26316.5	26430.9	1.924 mg/L	
1	Na 330.237	46776.0	45542.0	99.49 mg/L	
1	Ni 231.604	78845.4	78898.4	1.962 mg/L	
1	Pb 220.353	7520.6	7186.1	0.4979 mg/L	
1	Sb 206.833	5012.9	4982.2	1.996 mg/L	
1	Se 196.026	1606.8	1602.3	0.4864 mg/L	
1	Tl 190.800	1473.7	1507.6	0.4769 mg/L	
1	V 292.402	194918.1	194635.5	1.928 mg/L	
1	Zn 213.856	105527.4	105571.1	1.980 mg/L	
2	Ag 328.068	69344.2	69764.7	0.9124 mg/L	
2	Al 308.215	44423.4	43980.9	4.705 mg/L	
2	As 188.979	1415.9	1426.3	0.5150 mg/L	
2	Ba 233.527	504906.5	505339.4	4.570 mg/L	
2	Be 313.107	1136709.7	1139010.4	0.4599 mg/L	
2	Ca 227.547	4069.8	4102.2	49.84 mg/L	
2	Cd 228.802	40215.0	40089.1	0.9670 mg/L	
2	Co 228.616	67903.1	67831.6	1.865 mg/L	
2	Cr 267.716	22060.7	22123.6	0.4821 mg/L	
2	Cu 324.754	208766.4	208217.9	1.830 mg/L	
2	Fe 273.955	98794.5	98974.2	4.637 mg/L	
2	K 766.491	831394.5	825307.3	14.47 mg/L	
2	Mg 279.079	224551.9	225567.0	23.08 mg/L	
2	Mn 257.610	783176.2	786559.4	1.837 mg/L	
2	Mo 202.030	26401.7	26516.1	1.930 mg/L	
2	Na 330.237	45055.4	43821.4	96.00 mg/L	
2	Ni 231.604	75451.8	75504.9	1.877 mg/L	
2	Pb 220.353	7551.9	7217.3	0.5001 mg/L	
2	Sb 206.833	4917.5	4886.8	1.957 mg/L	
2	Se 196.026	1652.5	1648.0	0.5003 mg/L	
2	Tl 190.800	1527.1	1561.0	0.4935 mg/L	
2	V 292.402	186720.4	186437.9	1.847 mg/L	
2	Zn 213.856	101314.2	101357.9	1.901 mg/L	
3	Ag 328.068	74526.6	74947.1	0.9802 mg/L	
3	Al 308.215	47243.3	46800.8	5.006 mg/L	
3	As 188.979	1358.9	1369.3	0.4946 mg/L	
3	Ba 233.527	534663.0	535095.9	4.839 mg/L	
3	Be 313.107	1217831.4	1220132.1	0.4927 mg/L	
3	Ca 227.547	4199.0	4231.4	51.41 mg/L	
3	Cd 228.802	40486.8	40360.9	0.9736 mg/L	
3	Co 228.616	72044.7	71973.2	1.979 mg/L	
3	Cr 267.716	22245.6	22308.5	0.4862 mg/L	
3	Cu 324.754	224440.5	223892.0	1.968 mg/L	
3	Fe 273.955	104778.4	104958.0	4.918 mg/L	

3 K 766.491	883038.2	876950.9	15.28 mg/L
3 Mg 279.079	237919.3	238934.4	24.45 mg/L
3 Mn 257.610	832105.9	835489.1	1.951 mg/L
3 Mo 202.030	26621.5	26735.9	1.946 mg/L
3 Na 330.237	48282.8	47048.8	102.5 mg/L
3 Ni 231.604	80645.0	80698.0	2.006 mg/L
3 Pb 220.353	7661.1	7326.6	0.5076 mg/L
3 Sb 206.833	5019.4	4988.6	1.998 mg/L
3 Se 196.026	1659.0	1654.5	0.5023 mg/L
3 Tl 190.800	1559.6	1593.4	0.5039 mg/L
3 V 292.402	200407.7	200125.1	1.983 mg/L
3 Zn 213.856	108390.2	108433.9	2.033 mg/L

Mean Data

ID: CCV 1447B

Sample Qty: 1.0000 g

Seq. No.: 102

Sample No.: 5

A/S Pos: 6

Prep. Vol.: 1.0 L

Dilution:

1.0: 1.0

Data: Original

Date: 04/28/03 04:11:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	72473.3	0.9478	0.03399	mg/L				3.59%
Al 308.215	45465.7	4.863	0.1515	mg/L				3.11%
As 188.979	1386.2	0.5006	0.01252	mg/L				2.50%
Ba 233.527	522005.3	4.721	0.1374	mg/L				2.91%
Be 313.107	1184161.4	0.4781	0.01669	mg/L				3.49%
Ca 227.547	4140.4	50.30	0.961	mg/L				1.91%
Cd 228.802	40173.3	0.9690	0.00393	mg/L				0.41%
Co 228.616	70140.4	1.929	0.0581	mg/L				3.01%
Cr 267.716	22158.1	0.4829	0.00297	mg/L				0.62%
Cu 324.754	216801.9	1.906	0.0698	mg/L				3.66%
Fe 273.955	102279.6	4.792	0.1424	mg/L				2.97%
K 766.491	854090.2	14.92	0.413	mg/L				2.77%
Mg 279.079	232724.7	23.81	0.689	mg/L				2.89%
Mn 257.610	814436.0	1.902	0.0588	mg/L				3.09%
Mo 202.030	26561.0	1.933	0.0115	mg/L				0.59%
Na 330.237	45470.7	99.34	3.267	mg/L				3.29%
Ni 231.604	78367.1	1.948	0.0656	mg/L				3.36%
Pb 220.353	7243.3	0.5019	0.00511	mg/L				1.02%
Sb 206.833	4952.5	1.984	0.0230	mg/L				1.16%
Se 196.026	1634.9	0.4963	0.00864	mg/L				1.74%
Tl 190.800	1554.0	0.4915	0.01365	mg/L				2.78%
V 292.402	193732.8	1.919	0.0682	mg/L				3.56%
Zn 213.856	105121.0	1.971	0.0668	mg/L				3.39%

Replicate Data

ID: CCB

Date: 04/28/03 04:14:27 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Ag 328.068	-457.0	-36.5	-0.0005 mg/L	
1 Al 308.215	465.5	22.9	0.0025 mg/L	
1 As 188.979	-17.0	-6.6	-0.0024 mg/L	
1 Ba 233.527	-397.5	35.3	0.0003 mg/L	
1 Be 313.107	-2285.8	14.9	0.0000 mg/L	
1 Ca 227.547	-30.5	1.8	0.0221 mg/L	
1 Cd 228.802	103.1	-22.8	-0.0006 mg/L	
1 Co 228.616	63.8	-7.7	-0.0002 mg/L	
1 Cr 267.716	-48.4	14.5	0.0003 mg/L	
1 Cu 324.754	609.0	60.5	0.0005 mg/L	
1 Fe 273.955	-118.5	61.2	0.0029 mg/L	
1 K 766.491	5736.4	-350.9	0.0636 mg/L	
1 Mg 279.079	-880.2	134.9	0.0138 mg/L	
1 Mn 257.610	-3159.1	224.1	0.0005 mg/L	
1 Mo 202.030	-100.9	13.5	0.0010 mg/L	
1 Na 330.237	1231.1	-2.9	0.6156 mg/L	
1 Ni 231.604	-42.6	10.5	0.0003 mg/L	
1 Pb 220.353	298.0	-36.5	-0.0025 mg/L	
1 Sb 206.833	29.1	-1.7	-0.0007 mg/L	
1 Se 196.026	1.9	-2.6	-0.0008 mg/L	
1 Tl 190.800	-22.8	11.0	0.0034 mg/L	
1 V 292.402	158.6	-124.0	-0.0012 mg/L	
1 Zn 213.856	-51.1	-7.4	-0.0001 mg/L	

2 Ag 328.068	-363.1	57.4	0.0008 mg/L
2 Al 308.215	413.6	-28.9	-0.0031 mg/L
2 As 188.979	-15.4	-5.1	-0.0018 mg/L
2 Ba 233.527	-403.2	29.7	0.0003 mg/L
2 Be 313.107	-2216.4	84.4	0.0000 mg/L
2 Ca 227.547	-39.2	-6.8	-0.0830 mg/L
2 Cd 228.802	121.3	-4.6	-0.0001 mg/L
2 Co 228.616	67.1	-4.4	-0.0001 mg/L
2 Cr 267.716	-32.6	30.4	0.0007 mg/L
2 Cu 324.754	592.5	44.0	0.0004 mg/L
2 Fe 273.955	-143.6	36.0	0.0017 mg/L
2 K 766.491	5437.8	-649.5	0.0577 mg/L
2 Mg 279.079	-1085.0	-69.9	-0.0071 mg/L
2 Mn 257.610	-3189.4	193.8	0.0005 mg/L
2 Mo 202.030	-101.1	13.3	0.0010 mg/L
2 Na 330.237	1313.5	79.5	0.8087 mg/L
2 Ni 231.604	-51.0	2.1	0.0001 mg/L
2 Pb 220.353	324.4	-10.1	-0.0007 mg/L
2 Sb 206.833	12.7	-18.1	-0.0072 mg/L
2 Se 196.026	1.2	-3.3	-0.0010 mg/L
2 Tl 190.800	-27.3	6.5	0.0021 mg/L
2 V 292.402	231.0	-51.6	-0.0005 mg/L
2 Zn 213.856	-43.5	0.2	0.0000 mg/L

3 Ag 328.068	-361.3	59.2	0.0008 mg/L
3 Al 308.215	494.9	52.3	0.0056 mg/L
3 As 188.979	-6.7	3.7	0.0013 mg/L
3 Ba 233.527	-398.2	34.7	0.0003 mg/L
3 Be 313.107	-2365.5	-64.8	0.0000 mg/L
3 Ca 227.547	-28.1	4.2	0.0511 mg/L
3 Cd 228.802	107.4	-18.5	-0.0004 mg/L
3 Co 228.616	77.4	5.9	0.0002 mg/L
3 Cr 267.716	-62.8	0.1	0.0000 mg/L
3 Cu 324.754	426.2	-122.3	-0.0011 mg/L
3 Fe 273.955	-157.7	22.0	0.0010 mg/L
3 K 766.491	5485.4	-601.9	0.0587 mg/L
3 Mg 279.079	-957.9	57.2	0.0059 mg/L
3 Mn 257.610	-3224.5	158.7	0.0004 mg/L
3 Mo 202.030	-101.9	12.5	0.0009 mg/L
3 Na 330.237	1040.2	-193.8	0.1683 mg/L
3 Ni 231.604	-45.2	7.9	0.0002 mg/L
3 Pb 220.353	310.1	-24.5	-0.0017 mg/L
3 Sb 206.833	30.6	-0.1	0.0000 mg/L
3 Se 196.026	-1.6	-6.1	-0.0019 mg/L
3 Tl 190.800	-30.7	3.1	0.0010 mg/L
3 V 292.402	212.2	-70.4	-0.0007 mg/L
3 Zn 213.856	-53.6	-9.9	-0.0002 mg/L

Mean Data

ID: CCB	Seq. No.: 103	Sample No.: 6	A/S Pos: 1
Sample Qty: 1.0000 g	Prep. Vol.: Data: Original	1.0 L	Dilution: 1.0: 1.0
			Date: 04/28/03 04:14:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	26.7	0.0003	0.00072	mg/L				205.25%
Al 308.215	15.4	0.0016	0.00440	mg/L				266.73%
As 188.979	-2.7	-0.0010	0.00200	mg/L				207.79%
Ba 233.527	33.2	0.0003	0.00003	mg/L				9.37%
Be 313.107	11.5	0.0000	0.00003	mg/L				648.36%
Ca 227.547	-0.3	-0.0033	0.07054	mg/L				>999.9%
Cd 228.802	-15.3	-0.0004	0.00023	mg/L				61.94%
Co 228.616	-2.0	-0.0001	0.00020	mg/L				346.48%
Cr 267.716	15.0	0.0003	0.00033	mg/L				100.78%
Cu 324.754	-5.9	-0.0001	0.00089	mg/L				>999.9%
Fe 273.955	39.7	0.0019	0.00093	mg/L				49.98%
K 766.491	-534.1	0.0600	0.00314	mg/L				5.23%
Mg 279.079	40.7	0.0042	0.01058	mg/L				253.71%
Mn 257.610	192.2	0.0004	0.00008	mg/L				17.03%
Mo 202.030	13.1	0.0010	0.00004	mg/L				3.95%
Na 330.237	-39.1	0.5309	0.32854	mg/L				61.89%
Ni 231.604	6.8	0.0002	0.00011	mg/L				63.40%

Pb 220.353	-23.7	-0.0016	0.00092 mg/L	55.76%
Sb 206.833	-6.6	-0.0026	0.00398 mg/L	150.33%
Se 196.026	-4.0	-0.0012	0.00057 mg/L	47.11%
Tl 190.800	6.9	0.0022	0.00124 mg/L	57.35%
V 292.402	-82.0	-0.0008	0.00037 mg/L	45.78%
Zn 213.856	-5.7	-0.0001	0.00010 mg/L	91.96%

Calibration Summary

Method: 23ME

Date: 04/28/03 04:15:58 PM

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

Replicate Data

ID: 1

Date: 04/28/03 04:17:03 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	148090.5	148511.0	1.950 mg/L	1.950 ppm
1	Al 308.215	90537.4	90094.9	9.637 mg/L	9.637 ppm
1	As 188.979	2610.0	2620.3	0.9466 mg/L	0.9466 ppm
1	Ba 233.527	1064716.7	1065149.5	9.632 mg/L	9.632 ppm
1	Be 313.107	2406731.0	2409031.7	0.9727 mg/L	0.9727 ppm
1	Ca 227.547	8139.0	8171.4	99.28 mg/L	99.28 ppm
1	Cd 228.802	80779.0	80653.1	1.945 mg/L	1.945 ppm
1	Co 228.616	140817.8	140746.3	3.870 mg/L	3.870 ppm
1	Cr 267.716	44361.0	44423.9	0.9681 mg/L	0.9681 ppm
1	Cu 324.754	443834.1	443285.6	3.897 mg/L	3.897 ppm
1	Fe 273.955	204454.7	204634.4	9.588 mg/L	9.588 ppm
1	K 766.491	1879998.8	1873911.5	29.47 mg/L	29.47 ppm
1	Mg 279.079	468509.0	469524.1	48.04 mg/L	48.04 ppm
1	Mn 257.610	1646215.7	1649599.0	3.852 mg/L	3.852 ppm
1	Mo 202.030	52913.7	53028.1	3.859 mg/L	3.859 ppm
1	Na 330.237	97279.5	96045.5	195.3 mg/L	195.3 ppm
1	Ni 231.604	156010.5	156063.6	3.880 mg/L	3.880 ppm
1	Pb 220.353	14286.9	13952.4	0.9667 mg/L	0.9667 ppm
1	Sb 206.833	9805.7	9774.9	3.915 mg/L	3.915 ppm
1	Se 196.026	3115.9	3111.4	0.9446 mg/L	0.9446 ppm
1	Tl 190.800	3057.7	3091.5	0.9778 mg/L	0.9778 ppm
1	V 292.402	388730.6	388448.0	3.849 mg/L	3.849 ppm
1	Zn 213.856	208061.5	208105.2	3.903 mg/L	3.903 ppm
2	Ag 328.068	146124.7	146545.2	1.924 mg/L	1.924 ppm
2	Al 308.215	89843.7	89401.1	9.563 mg/L	9.563 ppm
2	As 188.979	2604.9	2615.2	0.9447 mg/L	0.9447 ppm
2	Ba 233.527	1055303.5	1055736.4	9.547 mg/L	9.547 ppm
2	Be 313.107	2448955.8	2451256.6	0.9898 mg/L	0.9898 ppm
2	Ca 227.547	7874.8	7907.1	96.07 mg/L	96.07 ppm

2 Cd 228.802	79879.1	79753.2	1.924 mg/L	1.924 ppm
2 Co 228.616	139354.7	139283.2	3.830 mg/L	3.830 ppm
2 Cr 267.716	43847.6	43910.5	0.9569 mg/L	0.9569 ppm
2 Cu 324.754	439133.0	438584.5	3.856 mg/L	3.856 ppm
2 Fe 273.955	202684.0	202863.6	9.505 mg/L	9.505 ppm
2 K 766.491	1893913.8	1887826.5	29.66 mg/L	29.66 ppm
2 Mg 279.079	462986.9	464002.0	47.48 mg/L	47.48 ppm
2 Mn 257.610	1630965.7	1634349.0	3.816 mg/L	3.816 ppm
2 Mo 202.030	52653.8	52768.2	3.841 mg/L	3.841 ppm
2 Na 330.237	96088.0	94854.0	193.2 mg/L	193.2 ppm
2 Ni 231.604	154277.4	154330.5	3.837 mg/L	3.837 ppm
2 Pb 220.353	14212.2	13877.7	0.9616 mg/L	0.9616 ppm
2 Sb 206.833	9615.3	9584.5	3.839 mg/L	3.839 ppm
2 Se 196.026	3103.7	3099.3	0.9409 mg/L	0.9409 ppm
2 Tl 190.800	3025.0	3058.8	0.9674 mg/L	0.9674 ppm
2 V 292.402	385313.4	385030.8	3.815 mg/L	3.815 ppm
2 Zn 213.856	206193.0	206236.7	3.868 mg/L	3.868 ppm
3 Ag 328.068	140318.9	140739.4	1.848 mg/L	1.848 ppm
3 Al 308.215	85961.5	85518.9	9.148 mg/L	9.148 ppm
3 As 188.979	2610.6	2620.9	0.9466 mg/L	0.9466 ppm
3 Ba 233.527	1014328.1	1014761.0	9.177 mg/L	9.177 ppm
3 Be 313.107	2357089.5	2359390.2	0.9527 mg/L	0.9527 ppm
3 Ca 227.547	7957.1	7989.4	97.07 mg/L	97.07 ppm
3 Cd 228.802	76841.4	76715.5	1.850 mg/L	1.850 ppm
3 Co 228.616	134321.3	134249.8	3.691 mg/L	3.691 ppm
3 Cr 267.716	42061.6	42124.5	0.9180 mg/L	0.9180 ppm
3 Cu 324.754	421695.4	421146.9	3.702 mg/L	3.702 ppm
3 Fe 273.955	195183.4	195363.1	9.154 mg/L	9.154 ppm
3 K 766.491	1818003.5	1811916.2	28.66 mg/L	28.66 ppm
3 Mg 279.079	446322.8	447337.9	45.77 mg/L	45.77 ppm
3 Mn 257.610	1568934.6	1572317.8	3.671 mg/L	3.671 ppm
3 Mo 202.030	50670.3	50784.7	3.696 mg/L	3.696 ppm
3 Na 330.237	92679.1	91445.1	187.0 mg/L	187.0 ppm
3 Ni 231.604	148469.5	148522.6	3.692 mg/L	3.692 ppm
3 Pb 220.353	14408.8	14074.3	0.9752 mg/L	0.9752 ppm
3 Sb 206.833	9856.8	9826.1	3.936 mg/L	3.936 ppm
3 Se 196.026	3204.7	3200.2	0.9715 mg/L	0.9715 ppm
3 Tl 190.800	3081.1	3114.9	0.9848 mg/L	0.9848 ppm
3 V 292.402	368685.5	368402.9	3.650 mg/L	3.650 ppm
3 Zn 213.856	198172.4	198216.1	3.717 mg/L	3.717 ppm

Calibration Summary

Method: 23ME

Date: 04/28/03 04:17:59 PM

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

Replicate Data

3823

ID: DLC A1427

Date: 04/28/03 04:19:29 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Ag 328.068	-1206.9	-786.4	0.0265 mg/L	0.0265 ppm
1	Al 308.215	3488.2	3045.6	0.3258 mg/L	0.3258 ppm
1	As 188.979	25915.8	25926.1	9.535 mg/L	9.535 ppm
1	Ba 233.527	4896942.2	4897375.1	44.31 mg/L	44.31 ppm
1	Be 313.107	-2907.1	-606.4	-0.0002 mg/L	-0.0002 ppm
1	Ca 227.547	23.9	56.3	0.6838 mg/L	0.6838 ppm
1	Cd 228.802	382127.9	382002.0	9.214 mg/L	9.214 ppm
1	Co 228.616	648209.5	648138.0	17.82 mg/L	17.82 ppm
1	Cr 267.716	2088165.6	2088228.5	45.51 mg/L	45.51 ppm
1	Cu 324.754	5372394.8	5371846.3	47.22 mg/L	47.22 ppm
1	Fe 273.955	1456.0	1635.6	-0.0032 mg/L	-0.0032 ppm
1	K 766.491	15968.5	9881.2	0.2633 mg/L	0.2633 ppm
1	Mg 279.079	-1440.6	-425.5	-0.0435 mg/L	-0.0435 ppm
1	Mn 257.610	7075119.0	7078502.2	16.53 mg/L	16.53 ppm
1	Mo 202.030	134454.6	134569.0	9.793 mg/L	9.793 ppm
1	Na 330.237	286954.0	285720.0	476.7 mg/L	476.7 ppm
1	Ni 231.604	733953.9	734007.0	18.25 mg/L	18.25 ppm
1	Pb 220.353	1083447.8	1083113.3	75.04 mg/L	75.04 ppm
1	Sb 206.833	465.3	434.6	-0.0069 mg/L	-0.0069 ppm
1	Se 196.026	18.8	14.4	0.0085 mg/L	0.0085 ppm
1	Tl 190.800	-91.3	-57.5	-0.0001 mg/L	-0.0001 ppm
1	V 292.402	1820937.5	1820654.9	18.10 mg/L	18.10 ppm
1	Zn 213.856	1882610.5	1882654.2	35.31 mg/L	35.31 ppm
2	Ag 328.068	-1099.1	-678.6	0.0278 mg/L	0.0278 ppm
2	Al 308.215	3530.9	3088.4	0.3304 mg/L	0.3304 ppm
2	As 188.979	26034.1	26044.5	9.577 mg/L	9.577 ppm
2	Ba 233.527	5034675.4	5035108.2	45.55 mg/L	45.55 ppm
2	Be 313.107	-2952.6	-651.9	-0.0003 mg/L	-0.0003 ppm
2	Ca 227.547	29.0	61.4	0.7455 mg/L	0.7455 ppm
2	Cd 228.802	382576.8	382450.9	9.225 mg/L	9.225 ppm
2	Co 228.616	646229.4	646157.9	17.77 mg/L	17.77 ppm
2	Cr 267.716	2078120.6	2078183.5	45.29 mg/L	45.29 ppm
2	Cu 324.754	5615964.0	5615415.5	49.37 mg/L	49.37 ppm
2	Fe 273.955	1445.4	1625.1	-0.0033 mg/L	-0.0033 ppm
2	K 766.491	16622.3	10535.1	0.2760 mg/L	0.2760 ppm
2	Mg 279.079	-1329.5	-314.4	-0.0322 mg/L	-0.0322 ppm
2	Mn 257.610	7288501.8	7291885.0	17.03 mg/L	17.03 ppm
2	Mo 202.030	134923.4	135037.8	9.827 mg/L	9.827 ppm
2	Na 330.237	289129.1	287895.1	479.6 mg/L	479.6 ppm
2	Ni 231.604	731109.7	731162.7	18.18 mg/L	18.18 ppm
2	Pb 220.353	1084487.7	1084153.1	75.12 mg/L	75.12 ppm
2	Sb 206.833	447.2	416.5	-0.0132 mg/L	-0.0132 ppm
2	Se 196.026	25.1	20.7	0.0104 mg/L	0.0104 ppm
2	Tl 190.800	-98.8	-65.0	-0.0025 mg/L	-0.0025 ppm
2	V 292.402	1813828.6	1813546.0	18.03 mg/L	18.03 ppm
2	Zn 213.856	1884020.3	1884064.0	35.33 mg/L	35.33 ppm
3	Ag 328.068	-938.4	-517.9	0.0301 mg/L	0.0301 ppm
3	Al 308.215	3530.2	3087.6	0.3303 mg/L	0.3303 ppm
3	As 188.979	26385.3	26395.7	9.704 mg/L	9.704 ppm
3	Ba 233.527	4736433.7	4736866.6	42.86 mg/L	42.86 ppm
3	Be 313.107	-2815.4	-514.6	-0.0002 mg/L	-0.0002 ppm
3	Ca 227.547	38.3	70.7	0.8587 mg/L	0.8587 ppm
3	Cd 228.802	385543.2	385417.3	9.297 mg/L	9.297 ppm
3	Co 228.616	649137.8	649066.3	17.85 mg/L	17.85 ppm
3	Cr 267.716	2089251.2	2089314.1	45.53 mg/L	45.53 ppm
3	Cu 324.754	5208022.6	5207474.1	45.78 mg/L	45.78 ppm
3	Fe 273.955	1445.4	1625.1	-0.0038 mg/L	-0.0038 ppm
3	K 766.491	17163.3	11076.0	0.2866 mg/L	0.2866 ppm
3	Mg 279.079	-1276.7	-261.6	-0.0268 mg/L	-0.0268 ppm
3	Mn 257.610	6840354.9	6843738.1	15.98 mg/L	15.98 ppm
3	Mo 202.030	135496.4	135610.8	9.869 mg/L	9.869 ppm
3	Na 330.237	294407.9	293173.9	486.4 mg/L	486.4 ppm
3	Ni 231.604	736639.9	736693.0	18.32 mg/L	18.32 ppm
3	Pb 220.353	1090089.2	1089754.7	75.50 mg/L	75.50 ppm
3	Sb 206.833	450.1	419.4	-0.0130 mg/L	-0.0130 ppm
3	Se 196.026	7.3	2.8	0.0050 mg/L	0.0050 ppm

3 Tl 190.800	-90.6	-56.8	0.0002 mg/L	0.0002 ppm
3 V 292.402	1823983.3	1823700.8	18.13 mg/L	18.13 ppm
3 Zn 213.856	1903569.4	1903613.1	35.70 mg/L	35.70 ppm

Mean Data

ID: DLC A1427	Seq. No.: 105	Sample No.: 72	A/S Pos: 81
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0
	Data: Original	Date: 04/28/03	04:19:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-661.0	0.0281	0.00181	mg/L	0.0281	0.00181	ppm	6.44%
Al 308.215	3073.9	0.3288	0.00262	mg/L	0.3288	0.00262	ppm	0.80%
As 188.979	26122.1	9.605	0.0881	mg/L	9.605	0.0881	ppm	0.92%
Ba 233.527	4889783.3	44.24	1.350	mg/L	44.24	1.350	ppm	3.05%
Be 313.107	-591.0	-0.0002	0.00003	mg/L	-0.0002	0.00003	ppm	11.83%
Ca 227.547	62.8	0.7626	0.08868	mg/L	0.7626	0.08868	ppm	11.63%
Cd 228.802	383290.0	9.245	0.0448	mg/L	9.245	0.0448	ppm	0.48%
Co 228.616	647787.4	17.81	0.041	mg/L	17.81	0.041	ppm	0.23%
Cr 267.716	2085242.0	45.44	0.134	mg/L	45.44	0.134	ppm	0.29%
Cu 324.754	5398245.3	47.46	1.804	mg/L	47.46	1.804	ppm	3.80%
Fe 273.955	1628.6	-0.0034	0.00032	mg/L	-0.0034	0.00032	ppm	9.44%
K 766.491	10497.4	0.2753	0.01166	mg/L	0.2753	0.01166	ppm	4.23%
Mg 279.079	-333.8	-0.0342	0.00856	mg/L	-0.0342	0.00856	ppm	25.06%
Mn 257.610	7071375.1	16.51	0.523	mg/L	16.51	0.523	ppm	3.17%
Mo 202.030	135072.5	9.830	0.0380	mg/L	9.830	0.0380	ppm	0.39%
Na 330.237	288929.7	480.9	5.00	mg/L	480.9	5.00	ppm	1.04%
Ni 231.604	733954.2	18.25	0.069	mg/L	18.25	0.069	ppm	0.38%
Pb 220.353	1085673.7	75.22	0.248	mg/L	75.22	0.248	ppm	0.33%
Sb 206.833	423.5	-0.0110	0.00359	mg/L	-0.0110	0.00359	ppm	32.56%
Se 196.026	12.6	0.0080	0.00273	mg/L	0.0080	0.00273	ppm	34.16%
Tl 190.800	-59.8	-0.0008	0.00148	mg/L	-0.0008	0.00148	ppm	178.47%
V 292.402	1819300.6	18.08	0.052	mg/L	18.08	0.052	ppm	0.29%
Zn 213.856	1890110.4	35.45	0.220	mg/L	35.45	0.220	ppm	0.62%