1	Co 228.616	73.5	-0.3	0.0000	mg/L	0.0000 ppm
1	Cr 267.716	110.6	191.4	0.0043	mg/L	0.0043 ppm
1	Cu 324.754	1754.2	1230.9	0.0110	mg/L	0.0110 ppm
1	Fe 273.955	4851.8	5046.9	0.2400	mg/L	0.2400 ppm
1	K 766.491	153171.4	145406.2	2.859	mg/L	2.859 ppm
1	Mg 279.079	331092.4	332171.3	34.93	mg/L	34.93 ppm
1	Mn 257.610	-766.9	2715.0	0.0065	mg/L	0.0065 ppm
1	Mo 202.030	-96.6	25.0	0.0019	mg/L	0.0019 ppm
1	Na 330.237	13896.8	12575.5	29.36	mg/L	29.36 ppm
1	Ni 231.604	2.2	74.1	0.0019	mg/L	0.0019 ppm
1	Pb 220.353	390.8	40.3	0.0028	mg/L	0.0028 ppm
1	Sb 206.833	35.7	-10.9	-0.0043	mg/L	-0.0043 ppm
1	Se 196.026	-3.0	4.8	0.0015	mg/L	0.0015 ppm
1	Tl 190.800	-42.5	2.1	0.0007	mg/L	0.0007 ppm
1	V 292.402	889.6	564.7	0.0058	mg/L	0.0058 ppm
1	Zn 213.856	542.8	592.7	0.0112	mg/L	0.0112 ppm
2	Ag 328.068	-331.2	89.4	0.0012	mg/L	0.0012 ppm
2	Al 308.215	757.6	359.4	0.0393	mg/L	0.0393 ppm
2	As 188.979	-7.8	-2.3	-0.0009	mg/L	-0.0009 ppm
2	Ba 233.527	16036.0	16470.8	0.1522	mg/L	0.1522 ppm
2	Be 313.107	-2335.8	50.3	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	8703.4	8744.1	106.4	mg/L	106.4 ppm
2	Cd 228.802	134.0	3.6	0.0001	mg/L	0.0001 ppm
2	Co 228.616	66.4	-7.5	-0.0002	mg/L	-0.0002 ppm
2	Cr 267.716	118.4	199.2	0.0044	mg/L	0.0044 ppm
2	Cu 324.754	1747.8	1224.4	0.0110	mg/L	0.0110 ppm
2	Fe 273.955	4744.3	4939.4	0.2349	mg/L	0.2349 ppm
2	K 766.491	164773.2	157008.0	3.080	mg/L	3.080 ppm
2	Mg 279.079	336242.9	337321.7	35.47	mg/L	35.47 ppm
2	Mn 257.610	-810.3	2671.6	0.0064	mg/L	0.0064 ppm
2	Mo 202.030	-101.9	19.8	0.0015	mg/L	0.0015 ppm
2	Na 330.237	14314.5	12993.2	30.30	mg/L	30.30 ppm
2	Ni 231.604	-19.5	52.3	0.0013	mg/L	0.0013 ppm
2	Pb 220.353	382.8	32.3	0.0022	mg/L	0.0022 ppm
2	Sb 206.833	26.8	-19.8	-0.0079	mg/L	-0.0079 ppm
2	Se 196.026	3.5	11.3	0.0035	mg/L	0.0035 ppm
2	Tl 190.800	-50.6	-6.0	-0.0020	mg/L	-0.0020 ppm
2	V 292.402	882.9	558.1	0.0057	mg/L	0.0057 ppm
2	Zn 213.856	538.0	587.9	0.0111	mg/L	0.0111 ppm
3	Ag 328.068	84.4	505.1	0.0068	mg/L	0.0068 ppm
3	Al 308.215	707.6	309.4	0.0338	mg/L	0.0338 ppm
3	As 188.979	-12.0	-6.5	-0.0024	mg/L	-0.0024 ppm
3	Ba 233.527	15531.4	15966.2	0.1475	mg/L	0.1475 ppm
3	Be 313.107	-2092.6	293.6	0.0001	mg/L	0.0001 ppm
3	Ca 227.547	8627.1	8667.8	105.5	mg/L	105.5 ppm
3	Cd 228.802	120.3	-10.1	-0.0002	mg/L	-0.0002 ppm
3	Co 228.616	89.1	15.3	0.0004	mg/L	0.0004 ppm
3	Cr 267.716	109.9	190.6	0.0043	mg/L	0.0043 ppm
3	Cu 324.754	1745.7	1222.4	0.0110	mg/L	0.0110 ppm
3	Fe 273.955	4673.0	4868.1	0.2315	mg/L	0.2315 ppm
3	K 766.491	166339.0	158573.8	3.109	mg/L	3.109 ppm
3	Mg 279.079	327616.2	328695.1	34.56	mg/L	34.56 ppm
3	Mn 257.610	-883.3	2598.6	0.0062	mg/L	0.0062 ppm
3	Mo 202.030	-104.9	16.8	0.0013	mg/L	0.0013 ppm
3	Na 330.237	13881.1	12559.8	29.32	mg/L	29.32 ppm
3	Ni 231.604	18.6	90.4	0.0023	mg/L	0.0023 ppm
3	Pb 220.353	345.5	-5.0	-0.0003	mg/L	-0.0003 ppm
3	Sb 206.833	42.9	-3.6	-0.0014	mg/L	-0.0014 ppm
3	Se 196.026	-2.5	5.3	0.0016	mg/L	0.0016 ppm
3	Tl 190.800	-42.5	2.1	0.0007	mg/L	0.0007 ppm
3	V 292.402	923.7	598.9	0.0061	mg/L	0.0061 ppm
3	Zn 213.856	505.2	555.2	0.0105	mg/L	0.0105 ppm

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

ID: 2819-4 F=1 Seq. No.: 39 Sample No.: 20 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:15:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	257.7	0.0035	0.00293	mg/L	0.0035	0.00293	ppm	84.89%

Al 308.215	342.3	0.0374	0.00311 mg/L	0.0374	0.00311 ppm	8.32%
As 188.979	-4.5	-0.0017	0.00078 mg/L	-0.0017	0.00078 ppm	46.71%
Ba 233.527	16242.7	0.1501	0.00236 mg/L	0.1501	0.00236 ppm	1.57%
Be 313.107	159.8	0.0001	0.00005 mg/L	0.0001	0.00005 ppm	77.25%
Ca 227.547	8742.1	106.4	0.89 mg/L	106.4	0.89 ppm	0.84%
Cd 228.802	-1.4	0.0000	0.00018 mg/L	0.0000	0.00018 ppm	561.52%
Co 228.616	2.5	0.0001	0.00032 mg/L	0.0001	0.00032 ppm	466.53%
Cr 267.716	193.8	0.0043	0.00011 mg/L	0.0043	0.00011 ppm	2.45%
Cu 324.754	1225.9	0.0110	0.00004 mg/L	0.0110	0.00004 ppm	0.36%
Fe 273.955	4951.5	0.2355	0.00430 mg/L	0.2355	0.00430 ppm	1.83%
K 766.491	153662.7	3.016	0.1367 mg/L	3.016	0.1367 ppm	4.53%
Mg 279.079	332729.4	34.99	0.456 mg/L	34.99	0.456 ppm	1.30%
Mn 257.610	2661.7	0.0064	0.00014 mg/L	0.0064	0.00014 ppm	2.21%
Mo 202.030	20.5	0.0015	0.00031 mg/L	0.0015	0.00031 ppm	20.33%
Na 330.237	12709.5	29.66	0.556 mg/L	29.66	0.556 ppm	1.87%
Ni 231.604	72.3	0.0018	0.00048 mg/L	0.0018	0.00048 ppm	26.41%
Pb 220.353	22.6	0.0016	0.00168 mg/L	0.0016	0.00168 ppm	107.19%
Sb 206.833	-11.4	-0.0046	0.00323 mg/L	-0.0046	0.00323 ppm	70.81%
Se 196.026	7.1	0.0022	0.00112 mg/L	0.0022	0.00112 ppm	51.00%
Tl 190.800	-0.6	-0.0002	0.00154 mg/L	-0.0002	0.00154 ppm	787.01%
V 292.402	573.9	0.0059	0.00022 mg/L	0.0059	0.00022 ppm	3.81%
Zn 213.856	578.6	0.0109	0.00039 mg/L	0.0109	0.00039 ppm	3.53%

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

ID: 2819-5 F=1 Date: 04/25/03 01:18:58 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-349.0	71.7	0.0010	mg/L	0.0010	ppm
1	Al 308.215	934.1	535.9	0.0586	mg/L	0.0586	ppm
1	As 188.979	-8.1	-2.6	-0.0010	mg/L	-0.0010	ppm
1	Ba 233.527	5203.2	5638.0	0.0521	mg/L	0.0521	ppm
1	Be 313.107	-2271.1	115.0	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	2803.6	2844.3	34.61	mg/L	34.61	ppm
1	Cd 228.802	135.7	5.2	0.0001	mg/L	0.0001	ppm
1	Co 228.616	86.2	12.3	0.0003	mg/L	0.0003	ppm
1	Cr 267.716	242.7	323.5	0.0072	mg/L	0.0072	ppm
1	Cu 324.754	1539.3	1015.9	0.0091	mg/L	0.0091	ppm
1	Fe 273.955	2046.8	2241.9	0.1071	mg/L	0.1071	ppm
1	K 766.491	112632.9	104867.7	2.082	mg/L	2.082	ppm
1	Mg 279.079	171837.6	172916.5	18.18	mg/L	18.18	ppm
1	Mn 257.610	-2461.2	1020.7	0.0024	mg/L	0.0024	ppm
1	Mo 202.030	-76.7	45.0	0.0034	mg/L	0.0034	ppm
1	Na 330.237	10588.4	9267.1	21.83	mg/L	21.83	ppm
1	Ni 231.604	111.8	183.7	0.0046	mg/L	0.0046	ppm
1	Pb 220.353	394.0	43.5	0.0030	mg/L	0.0030	ppm
1	Sb 206.833	50.8	4.3	0.0017	mg/L	0.0017	ppm
1	Se 196.026	-0.6	7.2	0.0022	mg/L	0.0022	ppm
1	Tl 190.800	-40.5	4.0	0.0013	mg/L	0.0013	ppm
1	V 292.402	712.6	387.8	0.0040	mg/L	0.0040	ppm
1	Zn 213.856	348.4	398.3	0.0075	mg/L	0.0075	ppm
2	Ag 328.068	-209.0	211.7	0.0028	mg/L	0.0028	ppm
2	Al 308.215	874.0	475.8	0.0520	mg/L	0.0520	ppm
2	As 188.979	-3.6	2.0	0.0007	mg/L	0.0007	ppm
2	Ba 233.527	4990.4	5425.2	0.0501	mg/L	0.0501	ppm
2	Be 313.107	-2404.2	-18.1	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	2756.4	2797.1	34.04	mg/L	34.04	ppm
2	Cd 228.802	116.2	-14.3	-0.0003	mg/L	-0.0003	ppm
2	Co 228.616	89.6	15.7	0.0004	mg/L	0.0004	ppm
2	Cr 267.716	228.0	308.8	0.0069	mg/L	0.0069	ppm
2	Cu 324.754	1328.3	805.0	0.0072	mg/L	0.0072	ppm
2	Fe 273.955	1979.2	2174.3	0.1038	mg/L	0.1038	ppm
2	K 766.491	111832.8	104067.6	2.067	mg/L	2.067	ppm
2	Mg 279.079	164120.1	165199.0	17.37	mg/L	17.37	ppm
2	Mn 257.610	-2464.5	1017.4	0.0024	mg/L	0.0024	ppm
2	Mo 202.030	-84.0	37.7	0.0028	mg/L	0.0028	ppm
2	Na 330.237	10079.5	8758.2	20.66	mg/L	20.66	ppm
2	Ni 231.604	84.1	156.0	0.0039	mg/L	0.0039	ppm
2	Pb 220.353	375.1	24.6	0.0017	mg/L	0.0017	ppm
2	Sb 206.833	27.7	-18.9	-0.0075	mg/L	-0.0075	ppm
2	Se 196.026	4.8	12.6	0.0039	mg/L	0.0039	ppm

2	Tl 190.800	-42.1	2.5	0.0008	mg/L	0.0008 ppm
2	V 292.402	703.0	378.2	0.0039	mg/L	0.0039 ppm
2	Zn 213.856	334.9	384.9	0.0073	mg/L	0.0073 ppm
3	Ag 328.068	-320.6	100.1	0.0013	mg/L	0.0013 ppm
3	Al 308.215	874.3	476.1	0.0520	mg/L	0.0520 ppm
3	As 188.979	-4.6	0.9	0.0003	mg/L	0.0003 ppm
3	Ba 233.527	4881.6	5316.4	0.0491	mg/L	0.0491 ppm
3	Be 313.107	-2260.2	125.9	0.0001	mg/L	0.0001 ppm
3	Ca 227.547	2692.1	2732.8	33.26	mg/L	33.26 ppm
3	Cd 228.802	134.6	4.1	0.0001	mg/L	0.0001 ppm
3	Co 228.616	69.1	-4.7	-0.0001	mg/L	-0.0001 ppm
3	Cr 267.716	205.9	286.6	0.0064	mg/L	0.0064 ppm
3	Cu 324.754	1313.1	789.7	0.0071	mg/L	0.0071 ppm
3	Fe 273.955	1970.5	2165.6	0.1034	mg/L	0.1034 ppm
3	K 766.491	110286.4	102521.2	2.037	mg/L	2.037 ppm
3	Mg 279.079	158551.0	159629.8	16.79	mg/L	16.79 ppm
3	Mn 257.610	-2524.3	957.6	0.0023	mg/L	0.0023 ppm
3	Mo 202.030	-79.7	42.0	0.0031	mg/L	0.0031 ppm
3	Na 330.237	9683.6	8362.3	19.76	mg/L	19.76 ppm
3	Ni 231.604	85.8	157.7	0.0040	mg/L	0.0040 ppm
3	Pb 220.353	361.4	10.9	0.0008	mg/L	0.0008 ppm
3	Sb 206.833	24.9	-21.7	-0.0086	mg/L	-0.0086 ppm
3	Se 196.026	-8.7	-0.9	-0.0003	mg/L	-0.0003 ppm
3	Tl 190.800	-58.2	-13.7	-0.0045	mg/L	-0.0045 ppm
3	V 292.402	709.1	384.3	0.0039	mg/L	0.0039 ppm
3	Zn 213.856	324.8	374.7	0.0071	mg/L	0.0071 ppm

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

ID: 2819-5 F=1 Seq. No.: 40 Sample No.: 21 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:18:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	127.8	0.0017	0.00099	mg/L	0.0017	0.00099	ppm	57.90%
Al 308.215	495.9	0.0542	0.00379	mg/L	0.0542	0.00379	ppm	6.98%
As 188.979	0.1	0.0000	0.00088	mg/L	0.0000	0.00088	ppm	>999.9%
Ba 233.527	5459.9	0.0504	0.00151	mg/L	0.0504	0.00151	ppm	3.00%
Be 313.107	74.3	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	107.93%
Ca 227.547	2791.4	33.97	0.681	mg/L	33.97	0.681	ppm	2.01%
Cd 228.802	-1.6	0.0000	0.00027	mg/L	0.0000	0.00027	ppm	672.43%
Co 228.616	7.8	0.0002	0.00030	mg/L	0.0002	0.00030	ppm	140.95%
Cr 267.716	306.3	0.0068	0.00041	mg/L	0.0068	0.00041	ppm	6.06%
Cu 324.754	870.2	0.0078	0.00113	mg/L	0.0078	0.00113	ppm	14.53%
Fe 273.955	2193.9	0.1048	0.00200	mg/L	0.1048	0.00200	ppm	1.91%
K 766.491	103818.8	2.062	0.0230	mg/L	2.062	0.0230	ppm	1.12%
Mg 279.079	165915.1	17.45	0.702	mg/L	17.45	0.702	ppm	4.02%
Mn 257.610	998.6	0.0024	0.00008	mg/L	0.0024	0.00008	ppm	3.56%
Mo 202.030	41.6	0.0031	0.00028	mg/L	0.0031	0.00028	ppm	8.90%
Na 330.237	8795.9	20.75	1.040	mg/L	20.75	1.040	ppm	5.01%
Ni 231.604	165.8	0.0042	0.00039	mg/L	0.0042	0.00039	ppm	9.35%
Pb 220.353	26.3	0.0018	0.00113	mg/L	0.0018	0.00113	ppm	62.17%
Sb 206.833	-12.1	-0.0048	0.00569	mg/L	-0.0048	0.00569	ppm	117.82%
Se 196.026	6.3	0.0019	0.00209	mg/L	0.0019	0.00209	ppm	107.84%
Tl 190.800	-2.4	-0.0008	0.00321	mg/L	-0.0008	0.00321	ppm	411.90%
V 292.402	383.4	0.0039	0.00005	mg/L	0.0039	0.00005	ppm	1.26%
Zn 213.856	386.0	0.0073	0.00022	mg/L	0.0073	0.00022	ppm	3.07%

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

ID: 2819-6 F=1 Date: 04/25/03 01:22:29 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-455.0	-34.4	-0.0005	mg/L	-0.0005	ppm
1	Al 308.215	570.7	172.6	0.0189	mg/L	0.0189	ppm
1	As 188.979	-9.5	-4.0	-0.0015	mg/L	-0.0015	ppm
1	Ba 233.527	4308.0	4742.7	0.0438	mg/L	0.0438	ppm
1	Be 313.107	-2508.3	-122.2	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	3692.3	3733.0	45.43	mg/L	45.43	ppm
1	Cd 228.802	134.4	3.9	0.0001	mg/L	0.0001	ppm
1	Co 228.616	77.2	3.3	0.0001	mg/L	0.0001	ppm

1 Cr 267.716	0.3	81.1	0.0018 mg/L	0.0018 ppm
1 Cu 324.754	1321.1	797.7	0.0072 mg/L	0.0072 ppm
1 Fe 273.955	12872.5	13067.6	0.6277 mg/L	0.6277 ppm
1 K 766.491	145633.2	137868.0	2.716 mg/L	2.716 ppm
1 Mg 279.079	269454.3	270533.2	28.45 mg/L	28.45 ppm
1 Mn 257.610	22803.8	26285.6	0.0627 mg/L	0.0627 ppm
1 Mo 202.030	-81.3	40.4	0.0030 mg/L	0.0030 ppm
1 Na 330.237	14481.0	13159.7	30.68 mg/L	30.68 ppm
1 Ni 231.604	-26.7	45.1	0.0011 mg/L	0.0011 ppm
1 Pb 220.353	325.4	-25.1	-0.0017 mg/L	-0.0017 ppm
1 Sb 206.833	32.7	-13.9	-0.0055 mg/L	-0.0055 ppm
1 Se 196.026	-10.2	-2.4	-0.0007 mg/L	-0.0007 ppm
1 Tl 190.800	-43.4	1.1	0.0004 mg/L	0.0004 ppm
1 V 292.402	417.5	92.7	0.0009 mg/L	0.0009 ppm
1 Zn 213.856	382.3	432.3	0.0082 mg/L	0.0082 ppm
2 Ag 328.068	-207.5	213.1	0.0029 mg/L	0.0029 ppm
2 Al 308.215	519.8	121.6	0.0133 mg/L	0.0133 ppm
2 As 188.979	-10.9	-5.4	-0.0020 mg/L	-0.0020 ppm
2 Ba 233.527	4152.0	4586.8	0.0424 mg/L	0.0424 ppm
2 Be 313.107	-2275.4	110.7	0.0000 mg/L	0.0000 ppm
2 Ca 227.547	3599.5	3640.1	44.30 mg/L	44.30 ppm
2 Cd 228.802	131.7	1.3	0.0000 mg/L	0.0000 ppm
2 Co 228.616	79.6	5.8	0.0002 mg/L	0.0002 ppm
2 Cr 267.716	19.5	100.3	0.0022 mg/L	0.0022 ppm
2 Cu 324.754	1385.2	861.9	0.0077 mg/L	0.0077 ppm
2 Fe 273.955	12442.8	12637.9	0.6070 mg/L	0.6070 ppm
2 K 766.491	145982.8	138217.6	2.722 mg/L	2.722 ppm
2 Mg 279.079	257711.3	258790.2	27.21 mg/L	27.21 ppm
2 Mn 257.610	21771.9	25253.8	0.0602 mg/L	0.0602 ppm
2 Mo 202.030	-90.9	30.8	0.0023 mg/L	0.0023 ppm
2 Na 330.237	14011.2	12689.9	29.62 mg/L	29.62 ppm
2 Ni 231.604	-26.6	45.3	0.0011 mg/L	0.0011 ppm
2 Pb 220.353	366.7	16.2	0.0011 mg/L	0.0011 ppm
2 Sb 206.833	29.8	-16.8	-0.0067 mg/L	-0.0067 ppm
2 Se 196.026	1.3	9.1	0.0028 mg/L	0.0028 ppm
2 Tl 190.800	-46.5	-1.9	-0.0006 mg/L	-0.0006 ppm
2 V 292.402	265.5	-59.3	-0.0006 mg/L	-0.0006 ppm
2 Zn 213.856	354.3	404.3	0.0076 mg/L	0.0076 ppm
3 Ag 328.068	-255.7	165.0	0.0022 mg/L	0.0022 ppm
3 Al 308.215	598.2	200.0	0.0219 mg/L	0.0219 ppm
3 As 188.979	-13.5	-8.0	-0.0030 mg/L	-0.0030 ppm
3 Ba 233.527	4091.0	4525.8	0.0418 mg/L	0.0418 ppm
3 Be 313.107	-2289.7	96.5	0.0000 mg/L	0.0000 ppm
3 Ca 227.547	3623.6	3664.3	44.59 mg/L	44.59 ppm
3 Cd 228.802	134.7	4.3	0.0001 mg/L	0.0001 ppm
3 Co 228.616	82.9	9.1	0.0003 mg/L	0.0003 ppm
3 Cr 267.716	25.2	106.0	0.0024 mg/L	0.0024 ppm
3 Cu 324.754	1366.0	842.6	0.0076 mg/L	0.0076 ppm
3 Fe 273.955	12582.3	12777.4	0.6137 mg/L	0.6137 ppm
3 K 766.491	153249.9	145484.6	2.861 mg/L	2.861 ppm
3 Mg 279.079	260334.6	261413.4	27.49 mg/L	27.49 ppm
3 Mn 257.610	22101.4	25583.3	0.0610 mg/L	0.0610 ppm
3 Mo 202.030	-87.0	34.7	0.0026 mg/L	0.0026 ppm
3 Na 330.237	14110.9	12789.6	29.84 mg/L	29.84 ppm
3 Ni 231.604	-33.3	38.6	0.0010 mg/L	0.0010 ppm
3 Pb 220.353	333.5	-17.0	-0.0012 mg/L	-0.0012 ppm
3 Sb 206.833	27.8	-18.8	-0.0075 mg/L	-0.0075 ppm
3 Se 196.026	0.1	7.9	0.0024 mg/L	0.0024 ppm
3 Tl 190.800	-53.5	-9.0	-0.0029 mg/L	-0.0029 ppm
3 V 292.402	248.6	-76.2	-0.0008 mg/L	-0.0008 ppm
3 Zn 213.856	359.3	409.3	0.0077 mg/L	0.0077 ppm

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

ID: 2819-6 F=1 Seq. No.: 41 Sample No.: 22 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:22:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	114.6	0.0015	0.00176	mg/L	0.0015	0.00176	ppm	114.54%
Al 308.215	164.7	0.0180	0.00435	mg/L	0.0180	0.00435	ppm	24.14%

As 188.979	-5.8	-0.0021	0.00076 mg/L	-0.0021	0.00076 ppm	35.36%
Ba 233.527	4618.4	0.0427	0.00103 mg/L	0.0427	0.00103 ppm	2.42%
Be 313.107	28.3	0.0000	0.00005 mg/L	0.0000	0.00005 ppm	461.05%
Ca 227.547	3679.2	44.77	0.586 mg/L	44.77	0.586 ppm	1.31%
Cd 228.802	3.2	0.0001	0.00004 mg/L	0.0001	0.00004 ppm	51.88%
Co 228.616	6.1	0.0002	0.00008 mg/L	0.0002	0.00008 ppm	47.49%
Cr 267.716	95.8	0.0021	0.00029 mg/L	0.0021	0.00029 ppm	13.62%
Cu 324.754	834.1	0.0075	0.00029 mg/L	0.0075	0.00029 ppm	3.94%
Fe 273.955	12827.7	0.6161	0.01054 mg/L	0.6161	0.01054 ppm	1.71%
K 766.491	140523.4	2.766	0.0820 mg/L	2.766	0.0820 ppm	2.96%
Mg 279.079	263578.9	27.72	0.648 mg/L	27.72	0.648 ppm	2.34%
Mn 257.610	25707.6	0.0613	0.00126 mg/L	0.0613	0.00126 ppm	2.05%
Mo 202.030	35.3	0.0026	0.00036 mg/L	0.0026	0.00036 ppm	13.68%
Na 330.237	12879.7	30.05	0.559 mg/L	30.05	0.559 ppm	1.86%
Ni 231.604	43.0	0.0011	0.00010 mg/L	0.0011	0.00010 ppm	8.91%
Pb 220.353	-8.6	-0.0006	0.00152 mg/L	-0.0006	0.00152 ppm	254.30%
Sb 206.833	-16.5	-0.0066	0.00098 mg/L	-0.0066	0.00098 ppm	14.94%
Se 196.026	4.9	0.0015	0.00195 mg/L	0.0015	0.00195 ppm	130.52%
Tl 190.800	-3.3	-0.0011	0.00170 mg/L	-0.0011	0.00170 ppm	159.11%
V 292.402	-14.3	-0.0001	0.00095 mg/L	-0.0001	0.00095 ppm	650.89%
Zn 213.856	415.3	0.0079	0.00028 mg/L	0.0079	0.00028 ppm	3.60%

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

ID: CCV 1447B Date: 04/25/03 01:25:44 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	68888.2	69308.9	0.9292	mg/L		
1	Al 308.215	43602.0	43203.8	4.721	mg/L		
1	As 188.979	1339.8	1345.3	0.5019	mg/L		
1	Ba 233.527	500790.5	501225.3	4.631	mg/L		
1	Be 313.107	1134229.1	1136615.2	0.4651	mg/L		
1	Ca 227.547	4023.5	4064.2	49.46	mg/L		
1	Cd 228.802	40497.9	40367.5	0.9762	mg/L		
1	Co 228.616	69026.5	68952.7	1.911	mg/L		
1	Cr 267.716	21449.5	21530.2	0.4800	mg/L		
1	Cu 324.754	210797.7	210274.4	1.885	mg/L		
1	Fe 273.955	97540.8	97735.9	4.692	mg/L		
1	K 766.491	850005.1	842239.9	14.88	mg/L		
1	Mg 279.079	221305.7	222384.5	23.39	mg/L		
1	Mn 257.610	785243.7	788725.6	1.882	mg/L		
1	Mo 202.030	25692.3	25814.0	1.922	mg/L		
1	Na 330.237	45609.9	44288.6	97.47	mg/L		
1	Ni 231.604	76347.0	76418.9	1.929	mg/L		
1	Pb 220.353	7560.2	7209.7	0.4997	mg/L		
1	Sb 206.833	4908.4	4861.9	1.942	mg/L		
1	Se 196.026	1654.0	1661.8	0.5104	mg/L		
1	Tl 190.800	1475.5	1520.0	0.5010	mg/L		
1	V 292.402	185790.1	185465.3	1.891	mg/L		
1	Zn 213.856	103785.3	103835.2	1.963	mg/L		
2	Ag 328.068	68363.8	68784.5	0.9222	mg/L		
2	Al 308.215	43562.9	43164.7	4.717	mg/L		
2	As 188.979	1427.9	1433.4	0.5347	mg/L		
2	Ba 233.527	497612.5	498047.3	4.601	mg/L		
2	Be 313.107	1130564.5	1132950.7	0.4636	mg/L		
2	Ca 227.547	4135.4	4176.1	50.82	mg/L		
2	Cd 228.802	40762.0	40631.6	0.9826	mg/L		
2	Co 228.616	68708.4	68634.5	1.903	mg/L		
2	Cr 267.716	21521.6	21602.4	0.4816	mg/L		
2	Cu 324.754	209254.5	208731.1	1.872	mg/L		
2	Fe 273.955	97117.3	97312.4	4.671	mg/L		
2	K 766.491	824840.3	817075.1	14.48	mg/L		
2	Mg 279.079	218819.1	219898.0	23.12	mg/L		
2	Mn 257.610	782063.3	785545.2	1.874	mg/L		
2	Mo 202.030	25648.3	25770.0	1.919	mg/L		
2	Na 330.237	44889.3	43567.9	95.99	mg/L		
2	Ni 231.604	76276.4	76348.3	1.927	mg/L		
2	Pb 220.353	7688.2	7337.7	0.5086	mg/L		
2	Sb 206.833	5022.9	4976.3	1.988	mg/L		
2	Se 196.026	1614.6	1622.3	0.4983	mg/L		
2	Tl 190.800	1461.4	1506.0	0.4964	mg/L		

2 V 292.402	185406.8	185082.0	1.887	mg/L
2 Zn 213.856	103513.5	103563.5	1.958	mg/L
3 Ag 328.068	69824.6	70245.3	0.9418	mg/L
3 Al 308.215	44092.1	43693.9	4.775	mg/L
3 As 188.979	1295.6	1301.2	0.4855	mg/L
3 Ba 233.527	498347.3	498782.1	4.608	mg/L
3 Be 313.107	1139025.2	1141411.3	0.4671	mg/L
3 Ca 227.547	4062.6	4103.2	49.93	mg/L
3 Cd 228.802	39905.3	39774.9	0.9619	mg/L
3 Co 228.616	69104.0	69030.2	1.914	mg/L
3 Cr 267.716	21009.9	21090.7	0.4702	mg/L
3 Cu 324.754	212568.3	212044.9	1.901	mg/L
3 Fe 273.955	97781.0	97976.1	4.703	mg/L
3 K 766.491	871486.0	863720.8	15.21	mg/L
3 Mg 279.079	221077.6	222156.4	23.36	mg/L
3 Mn 257.610	785600.1	789082.0	1.883	mg/L
3 Mo 202.030	25373.1	25494.8	1.898	mg/L
3 Na 330.237	45763.0	44441.7	97.78	mg/L
3 Ni 231.604	77008.2	77080.0	1.945	mg/L
3 Pb 220.353	7303.3	6952.8	0.4819	mg/L
3 Sb 206.833	4878.1	4831.5	1.930	mg/L
3 Se 196.026	1687.8	1695.6	0.5208	mg/L
3 Tl 190.800	1432.5	1477.1	0.4870	mg/L
3 V 292.402	187865.1	187540.3	1.912	mg/L
3 Zn 213.856	104996.8	105046.7	1.986	mg/L

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

ID: CCV 1447B Seq. No.: 42 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:25:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	69446.2	0.9310	0.00992	mg/L				1.07%
Al 308.215	43354.1	4.738	0.0322	mg/L				0.68%
As 188.979	1360.0	0.5074	0.02504	mg/L				4.94%
Ba 233.527	499351.5	4.613	0.0154	mg/L				0.33%
Be 313.107	1136992.4	0.4653	0.00174	mg/L				0.37%
Ca 227.547	4114.5	50.07	0.691	mg/L				1.38%
Cd 228.802	40258.0	0.9736	0.01061	mg/L				1.09%
Co 228.616	68872.5	1.909	0.0058	mg/L				0.30%
Cr 267.716	21407.8	0.4773	0.00618	mg/L				1.29%
Cu 324.754	210350.1	1.886	0.0149	mg/L				0.79%
Fe 273.955	97674.8	4.689	0.0161	mg/L				0.34%
K 766.491	841011.9	14.86	0.368	mg/L				2.48%
Mg 279.079	221479.6	23.29	0.145	mg/L				0.62%
Mn 257.610	787784.3	1.879	0.0046	mg/L				0.25%
Mo 202.030	25692.9	1.913	0.0129	mg/L				0.67%
Na 330.237	44099.4	97.08	0.955	mg/L				0.98%
Ni 231.604	76615.7	1.934	0.0102	mg/L				0.53%
Pb 220.353	7166.7	0.4967	0.01359	mg/L				2.74%
Sb 206.833	4889.9	1.953	0.0304	mg/L				1.56%
Se 196.026	1659.9	0.5098	0.01125	mg/L				2.21%
Tl 190.800	1501.1	0.4948	0.00715	mg/L				1.45%
V 292.402	186029.2	1.897	0.0135	mg/L				0.71%
Zn 213.856	104148.5	1.969	0.0149	mg/L				0.76%

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

ID: CCB Date: 04/25/03 01:28:34 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Conc.	Sample Units
1	Ag 328.068	-323.5	97.1	0.0013	mg/L		
1	Al 308.215	405.1	6.9	0.0008	mg/L		
1	As 188.979	-2.4	3.2	0.0012	mg/L		
1	Ba 233.527	-366.7	68.1	0.0006	mg/L		
1	Be 313.107	-2123.1	263.0	0.0001	mg/L		
1	Ca 227.547	-34.2	6.5	0.0785	mg/L		
1	Cd 228.802	125.8	-4.6	-0.0001	mg/L		
1	Co 228.616	99.5	25.6	0.0007	mg/L		
1	Cr 267.716	-53.6	27.2	0.0006	mg/L		

1 Cu 324.754	472.8	-50.6	-0.0005	mg/L
1 Fe 273.955	-183.0	12.1	0.0006	mg/L
1 K 766.491	7672.3	-93.0	0.0197	mg/L
1 Mg 279.079	-1034.0	44.9	0.0047	mg/L
1 Mn 257.610	-3247.3	234.6	0.0006	mg/L
1 Mo 202.030	-111.7	10.0	0.0007	mg/L
1 Na 330.237	1166.3	-155.0	-0.1141	mg/L
1 Ni 231.604	-50.7	21.1	0.0005	mg/L
1 Pb 220.353	332.8	-17.7	-0.0012	mg/L
1 Sb 206.833	26.3	-20.3	-0.0081	mg/L
1 Se 196.026	-12.1	-4.3	-0.0013	mg/L
1 Tl 190.800	-40.7	3.9	0.0013	mg/L
1 V 292.402	361.0	36.1	0.0004	mg/L
1 Zn 213.856	-34.1	15.8	0.0003	mg/L
2 Ag 328.068	-442.8	-22.2	-0.0003	mg/L
2 Al 308.215	402.6	4.4	0.0005	mg/L
2 As 188.979	-5.6	-0.1	0.0000	mg/L
2 Ba 233.527	-368.2	66.6	0.0006	mg/L
2 Be 313.107	-2041.5	344.6	0.0001	mg/L
2 Ca 227.547	-35.4	5.3	0.0639	mg/L
2 Cd 228.802	114.9	-15.5	-0.0004	mg/L
2 Co 228.616	86.7	12.9	0.0004	mg/L
2 Cr 267.716	-73.2	7.6	0.0002	mg/L
2 Cu 324.754	461.6	-61.8	-0.0006	mg/L
2 Fe 273.955	-177.6	17.5	0.0008	mg/L
2 K 766.491	8158.3	393.1	0.0295	mg/L
2 Mg 279.079	-1116.1	-37.3	-0.0039	mg/L
2 Mn 257.610	-3225.4	256.5	0.0006	mg/L
2 Mo 202.030	-117.7	4.0	0.0003	mg/L
2 Na 330.237	1530.8	209.5	0.7494	mg/L
2 Ni 231.604	-63.8	8.1	0.0002	mg/L
2 Pb 220.353	325.0	-25.5	-0.0018	mg/L
2 Sb 206.833	31.2	-15.3	-0.0061	mg/L
2 Se 196.026	2.3	10.1	0.0031	mg/L
2 Tl 190.800	-37.9	6.7	0.0022	mg/L
2 V 292.402	217.4	-107.4	-0.0011	mg/L
2 Zn 213.856	-52.4	-2.5	0.0000	mg/L
3 Ag 328.068	-403.3	17.3	0.0002	mg/L
3 Al 308.215	455.9	57.7	0.0063	mg/L
3 As 188.979	-18.4	-12.9	-0.0048	mg/L
3 Ba 233.527	-377.4	57.4	0.0005	mg/L
3 Be 313.107	-2281.3	104.8	0.0000	mg/L
3 Ca 227.547	-44.5	-3.8	-0.0463	mg/L
3 Cd 228.802	118.8	-11.6	-0.0003	mg/L
3 Co 228.616	86.4	12.6	0.0003	mg/L
3 Cr 267.716	-50.9	29.8	0.0007	mg/L
3 Cu 324.754	530.6	7.2	0.0001	mg/L
3 Fe 273.955	-162.6	32.5	0.0016	mg/L
3 K 766.491	7536.5	-228.8	0.0170	mg/L
3 Mg 279.079	-1064.8	14.1	0.0015	mg/L
3 Mn 257.610	-3306.1	175.8	0.0004	mg/L
3 Mo 202.030	-114.0	7.7	0.0006	mg/L
3 Na 330.237	1289.2	-32.1	0.1770	mg/L
3 Ni 231.604	-38.9	32.9	0.0008	mg/L
3 Pb 220.353	314.2	-36.4	-0.0025	mg/L
3 Sb 206.833	31.1	-15.5	-0.0062	mg/L
3 Se 196.026	10.2	18.0	0.0055	mg/L
3 Tl 190.800	-41.9	2.7	0.0009	mg/L
3 V 292.402	272.5	-52.3	-0.0005	mg/L
3 Zn 213.856	-39.1	10.9	0.0002	mg/L

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

ID: CCB Seq. No.: 43 Sample No.: 6 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:28:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	30.8	0.0004	0.00081	mg/L				197.60%
Al 308.215	23.0	0.0025	0.00328	mg/L				130.78%
As 188.979	-3.3	-0.0012	0.00315	mg/L				259.77%

Ba 233.527	64.0	0.0006	0.00005 mg/L	9.06%
Be 313.107	237.5	0.0001	0.00005 mg/L	51.33%
Ca 227.547	2.6	0.0321	0.06823 mg/L	212.86%
Cd 228.802	-10.6	-0.0003	0.00013 mg/L	52.51%
Co 228.616	17.0	0.0005	0.00021 mg/L	43.74%
Cr 267.716	21.5	0.0005	0.00027 mg/L	56.46%
Cu 324.754	-35.0	-0.0003	0.00033 mg/L	105.70%
Fe 273.955	20.7	0.0010	0.00051 mg/L	51.06%
K 766.491	23.8	0.0221	0.00654 mg/L	29.65%
Mg 279.079	7.2	0.0008	0.00436 mg/L	574.64%
Mn 257.610	222.3	0.0005	0.00010 mg/L	18.77%
Mo 202.030	7.2	0.0005	0.00022 mg/L	41.60%
Na 330.237	7.5	0.2708	0.43934 mg/L	162.26%
Ni 231.604	20.7	0.0005	0.00031 mg/L	60.05%
Pb 220.353	-26.5	-0.0018	0.00065 mg/L	35.22%
Sb 206.833	-17.0	-0.0068	0.00113 mg/L	16.63%
Se 196.026	7.9	0.0024	0.00347 mg/L	143.04%
Tl 190.800	4.5	0.0015	0.00067 mg/L	46.15%
V 292.402	-41.2	-0.0004	0.00074 mg/L	175.76%
Zn 213.856	8.1	0.0002	0.00018 mg/L	117.15%

Replicate Data ----------
ID: 2843-1 F=1 Date: 04/25/03 01:31:58 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-308.8	111.9	0.0015	mg/L	0.0015	ppm
1	Al 308.215	508.1	109.9	0.0120	mg/L	0.0120	ppm
1	As 188.979	-18.7	-13.2	-0.0049	mg/L	-0.0049	ppm
1	Ba 233.527	13651.5	14086.3	0.1301	mg/L	0.1301	ppm
1	Be 313.107	-2282.2	103.9	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	7909.2	7949.9	96.75	mg/L	96.75	ppm
1	Cd 228.802	121.5	-8.9	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	79.7	5.9	0.0002	mg/L	0.0002	ppm
1	Cr 267.716	-44.2	36.6	0.0008	mg/L	0.0008	ppm
1	Cu 324.754	594.8	71.4	0.0006	mg/L	0.0006	ppm
1	Fe 273.955	250.5	445.6	0.0191	mg/L	0.0191	ppm
1	K 766.491	192249.5	184484.2	3.599	mg/L	3.599	ppm
1	Mg 279.079	395850.3	396929.2	41.74	mg/L	41.74	ppm
1	Mn 257.610	-2172.0	1309.9	0.0031	mg/L	0.0031	ppm
1	Mo 202.030	-93.0	28.7	0.0021	mg/L	0.0021	ppm
1	Na 330.237	17640.4	16319.1	37.77	mg/L	37.77	ppm
1	Ni 231.604	-58.4	13.4	0.0003	mg/L	0.0003	ppm
1	Pb 220.353	312.6	-37.9	-0.0026	mg/L	-0.0026	ppm
1	Sb 206.833	41.6	-5.0	-0.0020	mg/L	-0.0020	ppm
1	Se 196.026	1.1	8.9	0.0027	mg/L	0.0027	ppm
1	Tl 190.800	-49.1	-4.5	-0.0015	mg/L	-0.0015	ppm
1	V 292.402	578.7	253.9	0.0026	mg/L	0.0026	ppm
1	Zn 213.856	58.5	108.5	0.0021	mg/L	0.0021	ppm
2	Ag 328.068	-132.8	287.9	0.0039	mg/L	0.0039	ppm
2	Al 308.215	379.4	-18.8	-0.0021	mg/L	-0.0021	ppm
2	As 188.979	-8.1	-2.6	-0.0010	mg/L	-0.0010	ppm
2	Ba 233.527	12532.0	12966.8	0.1198	mg/L	0.1198	ppm
2	Be 313.107	-2218.3	167.8	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	7778.4	7819.0	95.15	mg/L	95.15	ppm
2	Cd 228.802	112.6	-17.8	-0.0004	mg/L	-0.0004	ppm
2	Co 228.616	58.1	-15.8	-0.0004	mg/L	-0.0004	ppm
2	Cr 267.716	-35.8	45.0	0.0010	mg/L	0.0010	ppm
2	Cu 324.754	780.2	256.8	0.0023	mg/L	0.0023	ppm
2	Fe 273.955	262.0	457.1	0.0197	mg/L	0.0197	ppm
2	K 766.491	190805.4	183040.2	3.571	mg/L	3.571	ppm
2	Mg 279.079	363498.7	364577.6	38.34	mg/L	38.34	ppm
2	Mn 257.610	-2196.2	1285.7	0.0031	mg/L	0.0031	ppm
2	Mo 202.030	-97.5	24.1	0.0018	mg/L	0.0018	ppm
2	Na 330.237	16653.9	15332.6	35.56	mg/L	35.56	ppm
2	Ni 231.604	-57.1	14.8	0.0004	mg/L	0.0004	ppm
2	Pb 220.353	337.8	-12.7	-0.0009	mg/L	-0.0009	ppm
2	Sb 206.833	33.0	-13.6	-0.0054	mg/L	-0.0054	ppm
2	Se 196.026	-3.4	4.4	0.0014	mg/L	0.0014	ppm
2	Tl 190.800	-36.4	8.2	0.0027	mg/L	0.0027	ppm
2	V 292.402	517.7	192.9	0.0020	mg/L	0.0020	ppm

2	Zn 213.856	39.8	89.8	0.0017	mg/L	0.0017 ppm
3	Ag 328.068	-234.1	186.5	0.0025	mg/L	0.0025 ppm
3	Al 308.215	549.2	151.0	0.0165	mg/L	0.0165 ppm
3	As 188.979	-17.3	-11.8	-0.0044	mg/L	-0.0044 ppm
3	Ba 233.527	12734.0	13168.7	0.1217	mg/L	0.1217 ppm
3	Be 313.107	-2200.0	186.1	0.0001	mg/L	0.0001 ppm
3	Ca 227.547	7970.4	8011.0	97.49	mg/L	97.49 ppm
3	Cd 228.802	126.7	-3.7	-0.0001	mg/L	-0.0001 ppm
3	Co 228.616	88.4	14.5	0.0004	mg/L	0.0004 ppm
3	Cr 267.716	-26.9	53.9	0.0012	mg/L	0.0012 ppm
3	Cu 324.754	870.8	347.5	0.0031	mg/L	0.0031 ppm
3	Fe 273.955	246.0	441.1	0.0188	mg/L	0.0188 ppm
3	K 766.491	198558.1	190792.9	3.717	mg/L	3.717 ppm
3	Mg 279.079	372968.0	374046.8	39.33	mg/L	39.33 ppm
3	Mn 257.610	-2184.9	1297.0	0.0031	mg/L	0.0031 ppm
3	Mo 202.030	-100.7	21.0	0.0016	mg/L	0.0016 ppm
3	Na 330.237	17105.1	15783.7	36.57	mg/L	36.57 ppm
3	Ni 231.604	-46.9	24.9	0.0006	mg/L	0.0006 ppm
3	Pb 220.353	341.6	-8.9	-0.0006	mg/L	-0.0006 ppm
3	Sb 206.833	32.0	-14.6	-0.0058	mg/L	-0.0058 ppm
3	Se 196.026	0.0	7.8	0.0024	mg/L	0.0024 ppm
3	Tl 190.800	-43.2	1.3	0.0004	mg/L	0.0004 ppm
3	V 292.402	649.8	325.0	0.0033	mg/L	0.0033 ppm
3	Zn 213.856	52.7	102.7	0.0019	mg/L	0.0019 ppm

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

ID: 2843-1 F=1 Seq. No.: 44 Sample No.: 23 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:31:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	195.4	0.0026	0.00118	mg/L	0.0026	0.00118	ppm	45.21%
Al 308.215	80.7	0.0088	0.00968	mg/L	0.0088	0.00968	ppm	109.80%
As 188.979	-9.2	-0.0034	0.00214	mg/L	-0.0034	0.00214	ppm	62.74%
Ba 233.527	13407.3	0.1239	0.00551	mg/L	0.1239	0.00551	ppm	4.45%
Be 313.107	152.6	0.0001	0.00002	mg/L	0.0001	0.00002	ppm	28.29%
Ca 227.547	7926.7	96.46	1.194	mg/L	96.46	1.194	ppm	1.24%
Cd 228.802	-10.1	-0.0002	0.00017	mg/L	-0.0002	0.00017	ppm	70.51%
Co 228.616	1.5	0.0000	0.00043	mg/L	0.0000	0.00043	ppm	>999.9%
Cr 267.716	45.2	0.0010	0.00019	mg/L	0.0010	0.00019	ppm	19.09%
Cu 324.754	225.3	0.0020	0.00126	mg/L	0.0020	0.00126	ppm	62.47%
Fe 273.955	447.9	0.0192	0.00042	mg/L	0.0192	0.00042	ppm	2.18%
K 766.491	186105.8	3.629	0.0774	mg/L	3.629	0.0774	ppm	2.13%
Mg 279.079	378517.8	39.80	1.749	mg/L	39.80	1.749	ppm	4.39%
Mn 257.610	1297.5	0.0031	0.00003	mg/L	0.0031	0.00003	ppm	0.93%
Mo 202.030	24.6	0.0018	0.00029	mg/L	0.0018	0.00029	ppm	15.79%
Na 330.237	15811.8	36.64	1.104	mg/L	36.64	1.104	ppm	3.01%
Ni 231.604	17.7	0.0004	0.00016	mg/L	0.0004	0.00016	ppm	35.61%
Pb 220.353	-19.9	-0.0014	0.00109	mg/L	-0.0014	0.00109	ppm	79.29%
Sb 206.833	-11.0	-0.0044	0.00211	mg/L	-0.0044	0.00211	ppm	47.89%
Se 196.026	7.0	0.0022	0.00071	mg/L	0.0022	0.00071	ppm	33.05%
Tl 190.800	1.7	0.0005	0.00208	mg/L	0.0005	0.00208	ppm	378.71%
V 292.402	257.3	0.0026	0.00067	mg/L	0.0026	0.00067	ppm	25.69%
Zn 213.856	100.3	0.0019	0.00018	mg/L	0.0019	0.00018	ppm	9.52%

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

ID: 2843-2 F=1 Date: 04/25/03 01:35:22 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-441.2	-20.6	-0.0003	mg/L	-0.0003	ppm
1	Al 308.215	465.1	66.9	0.0073	mg/L	0.0073	ppm
1	As 188.979	-16.5	-11.0	-0.0041	mg/L	-0.0041	ppm
1	Ba 233.527	-396.1	38.7	0.0004	mg/L	0.0004	ppm
1	Be 313.107	-2229.1	157.0	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	-31.7	9.0	0.1093	mg/L	0.1093	ppm
1	Cd 228.802	129.2	-1.2	0.0000	mg/L	0.0000	ppm
1	Co 228.616	82.6	8.7	0.0002	mg/L	0.0002	ppm
1	Cr 267.716	-38.0	42.7	0.0010	mg/L	0.0010	ppm
1	Cu 324.754	575.2	51.9	0.0005	mg/L	0.0005	ppm

1 Fe 273.955	-154.1	41.0	0.0020	mg/L	0.0020 ppm
1 K 766.491	8169.0	403.7	0.0297	mg/L	0.0297 ppm
1 Mg 279.079	-943.2	135.6	0.0143	mg/L	0.0143 ppm
1 Mn 257.610	-3299.2	182.7	0.0004	mg/L	0.0004 ppm
1 Mo 202.030	-130.8	-9.2	-0.0007	mg/L	-0.0007 ppm
1 Na 330.237	1430.2	108.9	0.5112	mg/L	0.5112 ppm
1 Ni 231.604	-47.2	24.7	0.0006	mg/L	0.0006 ppm
1 Pb 220.353	319.7	-30.8	-0.0021	mg/L	-0.0021 ppm
1 Sb 206.833	34.3	-12.3	-0.0049	mg/L	-0.0049 ppm
1 Se 196.026	-6.3	1.5	0.0004	mg/L	0.0004 ppm
1 Tl 190.800	-43.7	0.9	0.0003	mg/L	0.0003 ppm
1 V 292.402	226.1	-98.8	-0.0010	mg/L	-0.0010 ppm
1 Zn 213.856	-0.4	49.6	0.0009	mg/L	0.0009 ppm
2 Ag 328.068	-242.7	178.0	0.0024	mg/L	0.0024 ppm
2 Al 308.215	564.1	165.9	0.0181	mg/L	0.0181 ppm
2 As 188.979	-11.1	-5.5	-0.0021	mg/L	-0.0021 ppm
2 Ba 233.527	-379.4	55.4	0.0005	mg/L	0.0005 ppm
2 Be 313.107	-2414.5	-28.4	0.0000	mg/L	0.0000 ppm
2 Ca 227.547	-43.1	-2.4	-0.0296	mg/L	-0.0296 ppm
2 Cd 228.802	126.3	-4.1	-0.0001	mg/L	-0.0001 ppm
2 Co 228.616	76.3	2.5	0.0001	mg/L	0.0001 ppm
2 Cr 267.716	-54.4	26.4	0.0006	mg/L	0.0006 ppm
2 Cu 324.754	656.0	132.6	0.0012	mg/L	0.0012 ppm
2 Fe 273.955	-160.5	34.6	0.0017	mg/L	0.0017 ppm
2 K 766.491	8151.6	386.4	0.0293	mg/L	0.0293 ppm
2 Mg 279.079	-807.7	271.2	0.0285	mg/L	0.0285 ppm
2 Mn 257.610	-3288.1	193.8	0.0005	mg/L	0.0005 ppm
2 Mo 202.030	-129.8	-8.1	-0.0006	mg/L	-0.0006 ppm
2 Na 330.237	1503.4	182.1	0.6845	mg/L	0.6845 ppm
2 Ni 231.604	-50.7	21.2	0.0005	mg/L	0.0005 ppm
2 Pb 220.353	323.1	-27.4	-0.0019	mg/L	-0.0019 ppm
2 Sb 206.833	26.3	-20.2	-0.0081	mg/L	-0.0081 ppm
2 Se 196.026	-10.9	-3.1	-0.0010	mg/L	-0.0010 ppm
2 Tl 190.800	-50.2	-5.6	-0.0018	mg/L	-0.0018 ppm
2 V 292.402	279.3	-45.5	-0.0005	mg/L	-0.0005 ppm
2 Zn 213.856	-15.7	34.3	0.0006	mg/L	0.0006 ppm
3 Ag 328.068	-437.4	-16.7	-0.0002	mg/L	-0.0002 ppm
3 Al 308.215	376.3	-21.9	-0.0024	mg/L	-0.0024 ppm
3 As 188.979	-12.2	-6.7	-0.0025	mg/L	-0.0025 ppm
3 Ba 233.527	-374.2	60.6	0.0006	mg/L	0.0006 ppm
3 Be 313.107	-2158.9	227.2	0.0001	mg/L	0.0001 ppm
3 Ca 227.547	-23.1	17.6	0.2142	mg/L	0.2142 ppm
3 Cd 228.802	132.9	2.5	0.0001	mg/L	0.0001 ppm
3 Co 228.616	87.1	13.3	0.0004	mg/L	0.0004 ppm
3 Cr 267.716	-33.9	46.9	0.0010	mg/L	0.0010 ppm
3 Cu 324.754	543.4	20.1	0.0002	mg/L	0.0002 ppm
3 Fe 273.955	-151.3	43.8	0.0021	mg/L	0.0021 ppm
3 K 766.491	7901.9	136.7	0.0243	mg/L	0.0243 ppm
3 Mg 279.079	-1055.8	23.1	0.0024	mg/L	0.0024 ppm
3 Mn 257.610	-3293.9	188.0	0.0004	mg/L	0.0004 ppm
3 Mo 202.030	-119.6	2.0	0.0002	mg/L	0.0002 ppm
3 Na 330.237	1254.0	-67.3	0.0937	mg/L	0.0937 ppm
3 Ni 231.604	-40.6	31.3	0.0008	mg/L	0.0008 ppm
3 Pb 220.353	336.3	-14.2	-0.0010	mg/L	-0.0010 ppm
3 Sb 206.833	22.9	-23.7	-0.0094	mg/L	-0.0094 ppm
3 Se 196.026	-1.2	6.6	0.0020	mg/L	0.0020 ppm
3 Tl 190.800	-42.7	1.9	0.0006	mg/L	0.0006 ppm
3 V 292.402	187.4	-137.4	-0.0014	mg/L	-0.0014 ppm
3 Zn 213.856	-4.4	45.6	0.0009	mg/L	0.0009 ppm

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

ID: 2843-2 F=1 Seq. No.: 45 Sample No.: 24 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:35:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	46.9	0.0006	0.00152	mg/L	0.0006	0.00152	ppm	242.16%
Al 308.215	70.3	0.0077	0.01027	mg/L	0.0077	0.01027	ppm	133.57%
As 188.979	-7.7	-0.0029	0.00107	mg/L	-0.0029	0.00107	ppm	37.01%
Ba 233.527	51.5	0.0005	0.00011	mg/L	0.0005	0.00011	ppm	22.17%

Be 313.107	118.6	0.0000	0.00005 mg/L	0.0000	0.00005 ppm	111.36%
Ca 227.547	8.0	0.0980	0.12231 mg/L	0.0980	0.12231 ppm	124.86%
Cd 228.802	-0.9	0.0000	0.00008 mg/L	0.0000	0.00008 ppm	347.08%
Co 228.616	8.1	0.0002	0.00015 mg/L	0.0002	0.00015 ppm	66.61%
Cr 267.716	38.7	0.0009	0.00024 mg/L	0.0009	0.00024 ppm	28.02%
Cu 324.754	68.2	0.0006	0.00052 mg/L	0.0006	0.00052 ppm	85.09%
Fe 273.955	39.8	0.0019	0.00023 mg/L	0.0019	0.00023 ppm	11.90%
K 766.491	309.0	0.0278	0.00299 mg/L	0.0278	0.00299 ppm	10.77%
Mg 279.079	143.3	0.0151	0.01306 mg/L	0.0151	0.01306 ppm	86.69%
Mn 257.610	188.1	0.0004	0.00001 mg/L	0.0004	0.00001 ppm	2.97%
Mo 202.030	-5.1	-0.0004	0.00046 mg/L	-0.0004	0.00046 ppm	122.04%
Na 330.237	74.6	0.4298	0.30368 mg/L	0.4298	0.30368 ppm	70.66%
Ni 231.604	25.7	0.0006	0.00013 mg/L	0.0006	0.00013 ppm	19.97%
Pb 220.353	-24.1	-0.0017	0.00061 mg/L	-0.0017	0.00061 ppm	36.28%
Sb 206.833	-18.7	-0.0075	0.00233 mg/L	-0.0075	0.00233 ppm	31.19%
Se 196.026	1.7	0.0005	0.00150 mg/L	0.0005	0.00150 ppm	295.26%
Tl 190.800	-0.9	-0.0003	0.00133 mg/L	-0.0003	0.00133 ppm	431.61%
V 292.402	-93.9	-0.0010	0.00047 mg/L	-0.0010	0.00047 ppm	49.12%
Zn 213.856	43.2	0.0008	0.00015 mg/L	0.0008	0.00015 ppm	18.35%

Replicate Data ----------
ID: 2843-3 F=1 Date: 04/25/03 01:38:47 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-266.6	154.0	0.0021	mg/L	0.0021	ppm
1	Al 308.215	348.1	-50.1	-0.0055	mg/L	-0.0055	ppm
1	As 188.979	-19.9	-14.4	-0.0053	mg/L	-0.0053	ppm
1	Ba 233.527	11997.4	12432.2	0.1149	mg/L	0.1149	ppm
1	Be 313.107	-2284.6	101.5	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	11776.8	11817.4	143.8	mg/L	143.8	ppm
1	Cd 228.802	122.9	-7.5	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	68.2	-5.7	-0.0002	mg/L	-0.0002	ppm
1	Cr 267.716	-3.1	77.7	0.0017	mg/L	0.0017	ppm
1	Cu 324.754	790.9	267.5	0.0024	mg/L	0.0024	ppm
1	Fe 273.955	542.0	737.1	0.0317	mg/L	0.0317	ppm
1	K 766.491	160776.1	153010.8	3.004	mg/L	3.004	ppm
1	Mg 279.079	440562.2	441641.1	46.44	mg/L	46.44	ppm
1	Mn 257.610	-1762.3	1719.6	0.0041	mg/L	0.0041	ppm
1	Mo 202.030	-100.9	20.8	0.0015	mg/L	0.0015	ppm
1	Na 330.237	17106.7	15785.4	36.58	mg/L	36.58	ppm
1	Ni 231.604	-46.7	25.1	0.0006	mg/L	0.0006	ppm
1	Pb 220.353	339.2	-11.3	-0.0019	mg/L	-0.0019	ppm
1	Sb 206.833	30.0	-16.5	-0.0066	mg/L	-0.0066	ppm
1	Se 196.026	-1.8	6.0	0.0018	mg/L	0.0018	ppm
1	Tl 190.800	-50.2	-5.6	-0.0018	mg/L	-0.0018	ppm
1	V 292.402	617.9	293.0	0.0030	mg/L	0.0030	ppm
1	Zn 213.856	163.8	213.8	0.0040	mg/L	0.0040	ppm
2	Ag 328.068	-444.6	-23.9	-0.0003	mg/L	-0.0003	ppm
2	Al 308.215	498.9	100.7	0.0110	mg/L	0.0110	ppm
2	As 188.979	-8.2	-2.6	-0.0010	mg/L	-0.0010	ppm
2	Ba 233.527	11792.5	12227.3	0.1130	mg/L	0.1130	ppm
2	Be 313.107	-2092.7	293.4	0.0001	mg/L	0.0001	ppm
2	Ca 227.547	11594.9	11635.6	141.6	mg/L	141.6	ppm
2	Cd 228.802	130.6	0.2	0.0000	mg/L	0.0000	ppm
2	Co 228.616	82.2	8.4	0.0002	mg/L	0.0002	ppm
2	Cr 267.716	-5.9	74.8	0.0017	mg/L	0.0017	ppm
2	Cu 324.754	868.6	345.3	0.0031	mg/L	0.0031	ppm
2	Fe 273.955	556.8	751.9	0.0325	mg/L	0.0325	ppm
2	K 766.491	170302.3	162537.0	3.185	mg/L	3.185	ppm
2	Mg 279.079	418211.4	419290.2	44.09	mg/L	44.09	ppm
2	Mn 257.610	-1796.4	1685.4	0.0040	mg/L	0.0040	ppm
2	Mo 202.030	-98.5	23.1	0.0017	mg/L	0.0017	ppm
2	Na 330.237	16636.1	15314.8	35.52	mg/L	35.52	ppm
2	Ni 231.604	-61.6	10.2	0.0003	mg/L	0.0003	ppm
2	Pb 220.353	347.5	-3.0	-0.0013	mg/L	-0.0013	ppm
2	Sb 206.833	23.3	-23.2	-0.0093	mg/L	-0.0093	ppm
2	Se 196.026	-1.1	6.7	0.0020	mg/L	0.0020	ppm
2	Tl 190.800	-46.4	-1.8	-0.0006	mg/L	-0.0006	ppm
2	V 292.402	569.7	244.8	0.0025	mg/L	0.0025	ppm
2	Zn 213.856	145.2	195.2	0.0037	mg/L	0.0037	ppm

3	Ag 328.068	-252.2	168.4	0.0023	mg/L	0.0023 ppm
3	Al 308.215	398.9	0.8	0.0001	mg/L	0.0001 ppm
3	As 188.979	-3.2	2.3	0.0009	mg/L	0.0009 ppm
3	Ba 233.527	11695.5	12130.3	0.1121	mg/L	0.1121 ppm
3	Be 313.107	-2094.7	291.4	0.0001	mg/L	0.0001 ppm
3	Ca 227.547	11524.1	11564.8	140.7	mg/L	140.7 ppm
3	Cd 228.802	129.2	-1.3	0.0000	mg/L	0.0000 ppm
3	Co 228.616	76.2	2.4	0.0001	mg/L	0.0001 ppm
3	Cr 267.716	-20.3	60.5	0.0013	mg/L	0.0013 ppm
3	Cu 324.754	895.5	372.2	0.0033	mg/L	0.0033 ppm
3	Fe 273.955	568.3	763.4	0.0331	mg/L	0.0331 ppm
3	K 766.491	170351.6	162586.4	3.185	mg/L	3.185 ppm
3	Mg 279.079	421033.6	422112.5	44.39	mg/L	44.39 ppm
3	Mn 257.610	-1831.8	1650.1	0.0039	mg/L	0.0039 ppm
3	Mo 202.030	-90.5	31.1	0.0023	mg/L	0.0023 ppm
3	Na 330.237	17054.9	15733.6	36.46	mg/L	36.46 ppm
3	Ni 231.604	-74.5	-2.7	-0.0001	mg/L	-0.0001 ppm
3	Pb 220.353	338.2	-12.3	-0.0020	mg/L	-0.0020 ppm
3	Sb 206.833	22.9	-23.7	-0.0095	mg/L	-0.0095 ppm
3	Se 196.026	11.7	19.5	0.0060	mg/L	0.0060 ppm
3	Tl 190.800	-43.8	0.8	0.0003	mg/L	0.0003 ppm
3	V 292.402	522.3	197.4	0.0020	mg/L	0.0020 ppm
3	Zn 213.856	144.7	194.7	0.0037	mg/L	0.0037 ppm

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

ID: 2843-3 F=1 Seq. No.: 46 Sample No.: 25 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:38:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	99.5	0.0013	0.00144	mg/L	0.0013	0.00144	ppm	107.68%
Al 308.215	17.1	0.0019	0.00838	mg/L	0.0019	0.00838	ppm	448.49%
As 188.979	-4.9	-0.0018	0.00319	mg/L	-0.0018	0.00319	ppm	174.82%
Ba 233.527	12263.3	0.1133	0.00142	mg/L	0.1133	0.00142	ppm	1.26%
Be 313.107	228.8	0.0001	0.00005	mg/L	0.0001	0.00005	ppm	48.19%
Ca 227.547	11672.6	142.0	1.59	mg/L	142.0	1.59	ppm	1.12%
Cd 228.802	-2.9	-0.0001	0.00010	mg/L	-0.0001	0.00010	ppm	141.63%
Co 228.616	1.7	0.0000	0.00020	mg/L	0.0000	0.00020	ppm	417.28%
Cr 267.716	71.0	0.0016	0.00021	mg/L	0.0016	0.00021	ppm	12.99%
Cu 324.754	328.3	0.0029	0.00049	mg/L	0.0029	0.00049	ppm	16.55%
Fe 273.955	750.8	0.0324	0.00067	mg/L	0.0324	0.00067	ppm	2.05%
K 766.491	159378.1	3.125	0.1046	mg/L	3.125	0.1046	ppm	3.35%
Mg 279.079	427681.2	44.97	1.280	mg/L	44.97	1.280	ppm	2.85%
Mn 257.610	1685.0	0.0040	0.00008	mg/L	0.0040	0.00008	ppm	2.06%
Mo 202.030	25.0	0.0019	0.00040	mg/L	0.0019	0.00040	ppm	21.72%
Na 330.237	15611.3	36.19	0.578	mg/L	36.19	0.578	ppm	1.60%
Ni 231.604	10.9	0.0003	0.00035	mg/L	0.0003	0.00035	ppm	127.92%
Pb 220.353	-8.9	-0.0018	0.00036	mg/L	-0.0018	0.00036	ppm	20.31%
Sb 206.833	-21.1	-0.0084	0.00160	mg/L	-0.0084	0.00160	ppm	19.00%
Se 196.026	10.7	0.0033	0.00233	mg/L	0.0033	0.00233	ppm	70.90%
Tl 190.800	-2.2	-0.0007	0.00106	mg/L	-0.0007	0.00106	ppm	146.37%
V 292.402	245.1	0.0025	0.00049	mg/L	0.0025	0.00049	ppm	19.50%
Zn 213.856	201.2	0.0038	0.00021	mg/L	0.0038	0.00021	ppm	5.40%

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

ID: 2843-4 F=1 Date: 04/25/03 01:42:12 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-293.1	127.5	0.0017	mg/L	0.0017	ppm
1	Al 308.215	366.9	-31.3	-0.0034	mg/L	-0.0034	ppm
1	As 188.979	-20.9	-15.4	-0.0057	mg/L	-0.0057	ppm
1	Ba 233.527	8841.6	9276.4	0.0857	mg/L	0.0857	ppm
1	Be 313.107	-2168.0	218.1	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	10550.4	10591.1	128.9	mg/L	128.9	ppm
1	Cd 228.802	129.4	-1.0	0.0000	mg/L	0.0000	ppm
1	Co 228.616	60.6	-13.3	-0.0004	mg/L	-0.0004	ppm
1	Cr 267.716	7.8	88.6	0.0020	mg/L	0.0020	ppm
1	Cu 324.754	821.9	298.5	0.0027	mg/L	0.0027	ppm
1	Fe 273.955	-18.5	176.6	0.0052	mg/L	0.0052	ppm

1	K 766.491	155086.6	147321.4	2.896	mg/L	2.896 ppm
1	Mg 279.079	430938.0	432016.8	45.43	mg/L	45.43 ppm
1	Mn 257.610	-3191.2	290.7	0.0007	mg/L	0.0007 ppm
1	Mo 202.030	-106.7	15.0	0.0011	mg/L	0.0011 ppm
1	Na 330.237	14681.0	13359.7	31.13	mg/L	31.13 ppm
1	Ni 231.604	-59.5	12.3	0.0003	mg/L	0.0003 ppm
1	Pb 220.353	357.5	7.0	-0.0006	mg/L	-0.0006 ppm
1	Sb 206.833	43.9	-2.7	-0.0011	mg/L	-0.0011 ppm
1	Se 196.026	8.7	16.5	0.0051	mg/L	0.0051 ppm
1	Tl 190.800	-47.3	-2.7	-0.0009	mg/L	-0.0009 ppm
1	V 292.402	718.1	393.3	0.0040	mg/L	0.0040 ppm
1	Zn 213.856	47.7	97.6	0.0018	mg/L	0.0018 ppm
2	Ag 328.068	-313.2	107.5	0.0014	mg/L	0.0014 ppm
2	Al 308.215	567.1	168.9	0.0185	mg/L	0.0185 ppm
2	As 188.979	-18.5	-13.0	-0.0048	mg/L	-0.0048 ppm
2	Ba 233.527	8635.5	9070.3	0.0838	mg/L	0.0838 ppm
2	Be 313.107	-2236.6	149.5	0.0001	mg/L	0.0001 ppm
2	Ca 227.547	10511.4	10552.1	128.4	mg/L	128.4 ppm
2	Cd 228.802	124.4	-6.0	-0.0001	mg/L	-0.0001 ppm
2	Co 228.616	65.5	-8.4	-0.0002	mg/L	-0.0002 ppm
2	Cr 267.716	3.7	84.5	0.0019	mg/L	0.0019 ppm
2	Cu 324.754	824.1	300.7	0.0027	mg/L	0.0027 ppm
2	Fe 273.955	-9.0	186.1	0.0056	mg/L	0.0056 ppm
2	K 766.491	161136.4	153371.2	3.011	mg/L	3.011 ppm
2	Mg 279.079	401338.7	402417.5	42.32	mg/L	42.32 ppm
2	Mn 257.610	-3170.5	311.4	0.0007	mg/L	0.0007 ppm
2	Mo 202.030	-108.1	13.6	0.0010	mg/L	0.0010 ppm
2	Na 330.237	14328.6	13007.3	30.33	mg/L	30.33 ppm
2	Ni 231.604	-51.0	20.9	0.0005	mg/L	0.0005 ppm
2	Pb 220.353	346.1	-4.5	-0.0013	mg/L	-0.0013 ppm
2	Sb 206.833	22.8	-23.8	-0.0095	mg/L	-0.0095 ppm
2	Se 196.026	15.8	23.6	0.0072	mg/L	0.0072 ppm
2	Tl 190.800	-50.3	-5.7	-0.0019	mg/L	-0.0019 ppm
2	V 292.402	704.9	380.1	0.0039	mg/L	0.0039 ppm
2	Zn 213.856	49.4	99.4	0.0019	mg/L	0.0019 ppm
3	Ag 328.068	-425.6	-5.0	-0.0001	mg/L	-0.0001 ppm
3	Al 308.215	385.5	-12.6	-0.0014	mg/L	-0.0014 ppm
3	As 188.979	-13.8	-8.3	-0.0031	mg/L	-0.0031 ppm
3	Ba 233.527	8631.8	9066.6	0.0838	mg/L	0.0838 ppm
3	Be 313.107	-2326.9	59.2	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	10460.5	10501.2	127.8	mg/L	127.8 ppm
3	Cd 228.802	123.6	-6.8	-0.0002	mg/L	-0.0002 ppm
3	Co 228.616	74.2	0.4	0.0000	mg/L	0.0000 ppm
3	Cr 267.716	5.7	86.5	0.0019	mg/L	0.0019 ppm
3	Cu 324.754	899.6	376.2	0.0034	mg/L	0.0034 ppm
3	Fe 273.955	-23.9	171.2	0.0049	mg/L	0.0049 ppm
3	K 766.491	153155.6	145390.4	2.859	mg/L	2.859 ppm
3	Mg 279.079	381106.8	382185.7	40.19	mg/L	40.19 ppm
3	Mn 257.610	-3174.5	307.4	0.0007	mg/L	0.0007 ppm
3	Mo 202.030	-97.6	24.1	0.0018	mg/L	0.0018 ppm
3	Na 330.237	13408.5	12087.2	28.25	mg/L	28.25 ppm
3	Ni 231.604	-51.1	20.8	0.0005	mg/L	0.0005 ppm
3	Pb 220.353	316.0	-34.5	-0.0034	mg/L	-0.0034 ppm
3	Sb 206.833	26.4	-20.1	-0.0080	mg/L	-0.0080 ppm
3	Se 196.026	-3.1	4.7	0.0014	mg/L	0.0014 ppm
3	Tl 190.800	-45.2	-0.6	-0.0002	mg/L	-0.0002 ppm
3	V 292.402	753.9	429.1	0.0044	mg/L	0.0044 ppm
3	Zn 213.856	48.6	98.6	0.0019	mg/L	0.0019 ppm

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

ID: 2843-4 F=1 Seq. No.: 47 Sample No.: 26 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:42:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	76.7	0.0010	0.00096	mg/L	0.0010	0.00096	ppm	93.16%
Al 308.215	41.6	0.0046	0.01209	mg/L	0.0046	0.01209	ppm	265.64%
As 188.979	-12.2	-0.0045	0.00133	mg/L	-0.0045	0.00133	ppm	29.33%
Ba 233.527	9137.8	0.0844	0.00111	mg/L	0.0844	0.00111	ppm	1.31%
Be 313.107	142.3	0.0001	0.00003	mg/L	0.0001	0.00003	ppm	56.00%

Ca 227.547	10548.1	128.4	0.55 mg/L	128.4	0.55 ppm	0.43%
Cd 228.802	-4.6	-0.0001	0.00008 mg/L	-0.0001	0.00008 ppm	68.69%
Co 228.616	-7.1	-0.0002	0.00019 mg/L	-0.0002	0.00019 ppm	97.21%
Cr 267.716	86.5	0.0019	0.00005 mg/L	0.0019	0.00005 ppm	2.37%
Cu 324.754	325.1	0.0029	0.00040 mg/L	0.0029	0.00040 ppm	13.60%
Fe 273.955	178.0	0.0053	0.00037 mg/L	0.0053	0.00037 ppm	7.00%
K 766.491	148694.4	2.922	0.0792 mg/L	2.922	0.0792 ppm	2.71%
Mg 279.079	405540.0	42.65	2.635 mg/L	42.65	2.635 ppm	6.18%
Mn 257.610	303.1	0.0007	0.00003 mg/L	0.0007	0.00003 ppm	3.61%
Mo 202.030	17.5	0.0013	0.00043 mg/L	0.0013	0.00043 ppm	32.56%
Na 330.237	12818.0	29.90	1.486 mg/L	29.90	1.486 ppm	4.97%
Ni 231.604	18.0	0.0005	0.00012 mg/L	0.0005	0.00012 ppm	27.22%
Pb 220.353	-10.7	-0.0018	0.00148 mg/L	-0.0018	0.00148 ppm	83.60%
Sb 206.833	-15.6	-0.0062	0.00450 mg/L	-0.0062	0.00450 ppm	72.50%
Se 196.026	14.9	0.0046	0.00293 mg/L	0.0046	0.00293 ppm	63.92%
Tl 190.800	-3.0	-0.0010	0.00085 mg/L	-0.0010	0.00085 ppm	85.93%
V 292.402	400.8	0.0041	0.00026 mg/L	0.0041	0.00026 ppm	6.32%
Zn 213.856	98.5	0.0019	0.00002 mg/L	0.0019	0.00002 ppm	0.88%

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

ID: 2843-5 F=1 Date: 04/25/03 01:45:38 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-222.0	198.7	0.0027	mg/L	0.0027	ppm
1	Al 308.215	469.0	70.8	0.0077	mg/L	0.0077	ppm
1	As 188.979	-18.9	-13.4	-0.0050	mg/L	-0.0050	ppm
1	Ba 233.527	14963.2	15397.9	0.1423	mg/L	0.1423	ppm
1	Be 313.107	-2246.8	139.3	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	8070.4	8111.0	98.71	mg/L	98.71	ppm
1	Cd 228.802	119.3	-11.1	-0.0003	mg/L	-0.0003	ppm
1	Co 228.616	66.4	-7.4	-0.0002	mg/L	-0.0002	ppm
1	Cr 267.716	-39.7	41.1	0.0009	mg/L	0.0009	ppm
1	Cu 324.754	737.4	214.0	0.0019	mg/L	0.0019	ppm
1	Fe 273.955	182.8	377.9	0.0159	mg/L	0.0159	ppm
1	K 766.491	203777.9	196012.6	3.815	mg/L	3.815	ppm
1	Mg 279.079	435572.5	436651.3	45.92	mg/L	45.92	ppm
1	Mn 257.610	-2175.4	1306.5	0.0031	mg/L	0.0031	ppm
1	Mo 202.030	-100.3	21.4	0.0016	mg/L	0.0016	ppm
1	Na 330.237	19449.4	18128.1	41.80	mg/L	41.80	ppm
1	Ni 231.604	-62.2	9.6	0.0002	mg/L	0.0002	ppm
1	Pb 220.353	344.7	-5.8	-0.0004	mg/L	-0.0004	ppm
1	Sb 206.833	26.1	-20.5	-0.0082	mg/L	-0.0082	ppm
1	Se 196.026	-5.5	2.3	0.0007	mg/L	0.0007	ppm
1	Tl 190.800	-51.9	-7.3	-0.0024	mg/L	-0.0024	ppm
1	V 292.402	508.7	183.8	0.0019	mg/L	0.0019	ppm
1	Zn 213.856	107.4	157.4	0.0030	mg/L	0.0030	ppm
2	Ag 328.068	-140.5	280.2	0.0038	mg/L	0.0038	ppm
2	Al 308.215	410.1	11.9	0.0013	mg/L	0.0013	ppm
2	As 188.979	-11.5	-6.0	-0.0022	mg/L	-0.0022	ppm
2	Ba 233.527	12550.1	12984.9	0.1200	mg/L	0.1200	ppm
2	Be 313.107	-2417.1	-31.0	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	7998.7	8039.3	97.83	mg/L	97.83	ppm
2	Cd 228.802	124.9	-5.5	-0.0001	mg/L	-0.0001	ppm
2	Co 228.616	80.0	6.1	0.0002	mg/L	0.0002	ppm
2	Cr 267.716	-50.2	30.5	0.0007	mg/L	0.0007	ppm
2	Cu 324.754	860.1	336.8	0.0030	mg/L	0.0030	ppm
2	Fe 273.955	214.7	409.8	0.0173	mg/L	0.0173	ppm
2	K 766.491	180622.3	172857.1	3.380	mg/L	3.380	ppm
2	Mg 279.079	363647.4	364726.3	38.35	mg/L	38.35	ppm
2	Mn 257.610	-2211.7	1270.2	0.0030	mg/L	0.0030	ppm
2	Mo 202.030	-101.1	20.6	0.0015	mg/L	0.0015	ppm
2	Na 330.237	16436.2	15114.9	35.08	mg/L	35.08	ppm
2	Ni 231.604	-55.9	16.0	0.0004	mg/L	0.0004	ppm
2	Pb 220.353	340.9	-9.6	-0.0007	mg/L	-0.0007	ppm
2	Sb 206.833	28.9	-17.6	-0.0070	mg/L	-0.0070	ppm
2	Se 196.026	5.7	13.5	0.0041	mg/L	0.0041	ppm
2	Tl 190.800	-43.3	1.3	0.0004	mg/L	0.0004	ppm
2	V 292.402	546.6	221.8	0.0023	mg/L	0.0023	ppm
2	Zn 213.856	101.6	151.5	0.0029	mg/L	0.0029	ppm

3	Ag 328.068	-455.0	-34.4	-0.0005	mg/L	-0.0005 ppm
3	Al 308.215	358.6	-39.6	-0.0043	mg/L	-0.0043 ppm
3	As 188.979	-15.1	-9.6	-0.0036	mg/L	-0.0036 ppm
3	Ba 233.527	12960.6	13395.3	0.1238	mg/L	0.1238 ppm
3	Be 313.107	-2387.0	-0.9	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	7856.2	7896.9	96.10	mg/L	96.10 ppm
3	Cd 228.802	124.4	-6.0	-0.0001	mg/L	-0.0001 ppm
3	Co 228.616	74.4	0.5	0.0000	mg/L	0.0000 ppm
3	Cr 267.716	-41.6	39.2	0.0009	mg/L	0.0009 ppm
3	Cu 324.754	511.5	-11.9	-0.0001	mg/L	-0.0001 ppm
3	Fe 273.955	164.1	359.2	0.0150	mg/L	0.0150 ppm
3	K 766.491	193958.4	186193.2	3.631	mg/L	3.631 ppm
3	Mg 279.079	379938.8	381017.6	40.07	mg/L	40.07 ppm
3	Mn 257.610	-2254.2	1227.7	0.0029	mg/L	0.0029 ppm
3	Mo 202.030	-96.0	25.7	0.0019	mg/L	0.0019 ppm
3	Na 330.237	17453.3	16132.0	37.35	mg/L	37.35 ppm
3	Ni 231.604	-62.4	9.4	0.0002	mg/L	0.0002 ppm
3	Pb 220.353	312.8	-37.7	-0.0026	mg/L	-0.0026 ppm
3	Sb 206.833	32.6	-13.9	-0.0056	mg/L	-0.0056 ppm
3	Se 196.026	-3.1	4.6	0.0014	mg/L	0.0014 ppm
3	Tl 190.800	-43.1	1.5	0.0005	mg/L	0.0005 ppm
3	V 292.402	614.2	289.3	0.0029	mg/L	0.0029 ppm
3	Zn 213.856	100.7	150.7	0.0028	mg/L	0.0028 ppm

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

ID: 2843-5 F=1 Seq. No.: 48 Sample No.: 27 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:45:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	148.1	0.0020	0.00219	mg/L	0.0020	0.00219	ppm	110.20%
Al 308.215	14.4	0.0016	0.00604	mg/L	0.0016	0.00604	ppm	385.01%
As 188.979	-9.6	-0.0036	0.00137	mg/L	-0.0036	0.00137	ppm	38.38%
Ba 233.527	13926.1	0.1287	0.01193	mg/L	0.1287	0.01193	ppm	9.27%
Be 313.107	35.8	0.0000	0.00004	mg/L	0.0000	0.00004	ppm	253.80%
Ca 227.547	8015.8	97.55	1.326	mg/L	97.55	1.326	ppm	1.36%
Cd 228.802	-7.5	-0.0002	0.00007	mg/L	-0.0002	0.00007	ppm	40.92%
Co 228.616	-0.2	0.0000	0.00019	mg/L	0.0000	0.00019	ppm	>999.9%
Cr 267.716	36.9	0.0008	0.00013	mg/L	0.0008	0.00013	ppm	15.22%
Cu 324.754	179.6	0.0016	0.00159	mg/L	0.0016	0.00159	ppm	98.45%
Fe 273.955	382.3	0.0160	0.00118	mg/L	0.0160	0.00118	ppm	7.38%
K 766.491	185021.0	3.608	0.2185	mg/L	3.608	0.2185	ppm	6.06%
Mg 279.079	394131.7	41.45	3.966	mg/L	41.45	3.966	ppm	9.57%
Mn 257.610	1268.1	0.0030	0.00009	mg/L	0.0030	0.00009	ppm	3.11%
Mo 202.030	22.6	0.0017	0.00020	mg/L	0.0017	0.00020	ppm	12.17%
Na 330.237	16458.3	38.07	3.418	mg/L	38.07	3.418	ppm	8.98%
Ni 231.604	11.7	0.0003	0.00009	mg/L	0.0003	0.00009	ppm	31.80%
Pb 220.353	-17.7	-0.0012	0.00121	mg/L	-0.0012	0.00121	ppm	98.16%
Sb 206.833	-17.3	-0.0069	0.00131	mg/L	-0.0069	0.00131	ppm	18.87%
Se 196.026	6.8	0.0021	0.00181	mg/L	0.0021	0.00181	ppm	86.41%
Tl 190.800	-1.5	-0.0005	0.00164	mg/L	-0.0005	0.00164	ppm	336.29%
V 292.402	231.7	0.0024	0.00054	mg/L	0.0024	0.00054	ppm	23.07%
Zn 213.856	153.2	0.0029	0.00007	mg/L	0.0029	0.00007	ppm	2.39%

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

ID: 2843-6 F=1 Date: 04/25/03 01:49:04 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-442.7	-22.1	-0.0003	mg/L	-0.0003	ppm
1	Al 308.215	468.3	70.1	0.0077	mg/L	0.0077	ppm
1	As 188.979	-4.9	0.7	0.0002	mg/L	0.0002	ppm
1	Ba 233.527	8168.8	8603.6	0.0795	mg/L	0.0795	ppm
1	Be 313.107	-2214.8	171.3	0.0001	mg/L	0.0001	ppm
1	Ca 227.547	4115.8	4156.5	50.58	mg/L	50.58	ppm
1	Cd 228.802	123.4	-7.1	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	71.4	-2.4	-0.0001	mg/L	-0.0001	ppm
1	Cr 267.716	50.6	131.4	0.0029	mg/L	0.0029	ppm
1	Cu 324.754	599.0	75.6	0.0007	mg/L	0.0007	ppm
1	Fe 273.955	252.7	447.8	0.0203	mg/L	0.0203	ppm
1	K 766.491	123646.9	115881.7	2.294	mg/L	2.294	ppm

1	Mg 279.079	168808.5	169887.4	17.86	mg/L	17.86 ppm
1	Mn 257.610	-2897.9	584.0	0.0014	mg/L	0.0014 ppm
1	Mo 202.030	-91.9	29.8	0.0022	mg/L	0.0022 ppm
1	Na 330.237	12722.1	11400.8	26.70	mg/L	26.70 ppm
1	Ni 231.604	-55.4	16.4	0.0004	mg/L	0.0004 ppm
1	Pb 220.353	327.2	-23.4	-0.0016	mg/L	-0.0016 ppm
1	Sb 206.833	38.5	-8.1	-0.0032	mg/L	-0.0032 ppm
1	Se 196.026	-4.2	3.6	0.0011	mg/L	0.0011 ppm
1	Tl 190.800	-30.9	13.7	0.0045	mg/L	0.0045 ppm
1	V 292.402	1349.0	1024.1	0.0104	mg/L	0.0104 ppm
1	Zn 213.856	48.5	98.5	0.0019	mg/L	0.0019 ppm
2	Ag 328.068	-381.4	39.2	0.0005	mg/L	0.0005 ppm
2	Al 308.215	508.7	110.5	0.0121	mg/L	0.0121 ppm
2	As 188.979	-18.5	-12.9	-0.0048	mg/L	-0.0048 ppm
2	Ba 233.527	7922.7	8357.5	0.0772	mg/L	0.0772 ppm
2	Be 313.107	-2492.6	-106.5	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	4084.4	4125.0	50.20	mg/L	50.20 ppm
2	Cd 228.802	125.6	-4.9	-0.0001	mg/L	-0.0001 ppm
2	Co 228.616	74.4	0.5	0.0000	mg/L	0.0000 ppm
2	Cr 267.716	47.6	128.4	0.0029	mg/L	0.0029 ppm
2	Cu 324.754	542.4	19.1	0.0002	mg/L	0.0002 ppm
2	Fe 273.955	278.2	473.3	0.0215	mg/L	0.0215 ppm
2	K 766.491	116057.9	108292.6	2.148	mg/L	2.148 ppm
2	Mg 279.079	153159.6	154238.4	16.22	mg/L	16.22 ppm
2	Mn 257.610	-2886.8	595.1	0.0014	mg/L	0.0014 ppm
2	Mo 202.030	-84.2	37.5	0.0028	mg/L	0.0028 ppm
2	Na 330.237	11736.2	10414.9	24.45	mg/L	24.45 ppm
2	Ni 231.604	-40.4	31.4	0.0008	mg/L	0.0008 ppm
2	Pb 220.353	326.4	-24.1	-0.0017	mg/L	-0.0017 ppm
2	Sb 206.833	29.3	-17.2	-0.0069	mg/L	-0.0069 ppm
2	Se 196.026	2.0	9.8	0.0030	mg/L	0.0030 ppm
2	Tl 190.800	-38.5	6.0	0.0020	mg/L	0.0020 ppm
2	V 292.402	1184.8	860.0	0.0088	mg/L	0.0088 ppm
2	Zn 213.856	56.8	106.7	0.0020	mg/L	0.0020 ppm
3	Ag 328.068	-348.4	72.3	0.0010	mg/L	0.0010 ppm
3	Al 308.215	408.7	10.5	0.0012	mg/L	0.0012 ppm
3	As 188.979	2.5	8.0	0.0030	mg/L	0.0030 ppm
3	Ba 233.527	7921.7	8356.4	0.0772	mg/L	0.0772 ppm
3	Be 313.107	-2356.5	29.6	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	4073.8	4114.5	50.07	mg/L	50.07 ppm
3	Cd 228.802	119.8	-10.6	-0.0003	mg/L	-0.0003 ppm
3	Co 228.616	83.6	9.8	0.0003	mg/L	0.0003 ppm
3	Cr 267.716	82.0	162.8	0.0036	mg/L	0.0036 ppm
3	Cu 324.754	570.2	46.8	0.0004	mg/L	0.0004 ppm
3	Fe 273.955	288.6	483.7	0.0220	mg/L	0.0220 ppm
3	K 766.491	121408.7	113643.5	2.251	mg/L	2.251 ppm
3	Mg 279.079	156957.8	158036.7	16.62	mg/L	16.62 ppm
3	Mn 257.610	-2896.1	585.8	0.0014	mg/L	0.0014 ppm
3	Mo 202.030	-87.3	34.4	0.0026	mg/L	0.0026 ppm
3	Na 330.237	12172.6	10851.3	25.45	mg/L	25.45 ppm
3	Ni 231.604	-45.4	26.4	0.0007	mg/L	0.0007 ppm
3	Pb 220.353	355.7	5.2	0.0004	mg/L	0.0004 ppm
3	Sb 206.833	31.0	-15.6	-0.0062	mg/L	-0.0062 ppm
3	Se 196.026	9.4	17.2	0.0053	mg/L	0.0053 ppm
3	Tl 190.800	-42.5	2.1	0.0007	mg/L	0.0007 ppm
3	V 292.402	1233.2	908.4	0.0093	mg/L	0.0093 ppm
3	Zn 213.856	49.0	99.0	0.0019	mg/L	0.0019 ppm

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

ID: 2843-6 F=1 Seq. No.: 49 Sample No.: 28 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:49:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	29.8	0.0004	0.00064	mg/L	0.0004	0.00064	ppm	160.57%
Al 308.215	63.7	0.0070	0.00550	mg/L	0.0070	0.00550	ppm	78.95%
As 188.979	-1.4	-0.0005	0.00395	mg/L	-0.0005	0.00395	ppm	745.61%
Ba 233.527	8439.2	0.0780	0.00132	mg/L	0.0780	0.00132	ppm	1.69%
Be 313.107	31.5	0.0000	0.00006	mg/L	0.0000	0.00006	ppm	441.57%
Ca 227.547	4132.0	50.28	0.266	mg/L	50.28	0.266	ppm	0.53%

Cd 228.802	-7.5	-0.0002	0.00007 mg/L	-0.0002	0.00007 ppm	38.40%
Co 228.616	2.6	0.0001	0.00018 mg/L	0.0001	0.00018 ppm	242.39%
Cr 267.716	140.9	0.0031	0.00042 mg/L	0.0031	0.00042 ppm	13.51%
Cu 324.754	47.2	0.0004	0.00025 mg/L	0.0004	0.00025 ppm	59.95%
Fe 273.955	468.2	0.0212	0.00088 mg/L	0.0212	0.00088 ppm	4.16%
K 766.491	112605.9	2.231	0.0751 mg/L	2.231	0.0751 ppm	3.36%
Mg 279.079	160720.8	16.90	0.858 mg/L	16.90	0.858 ppm	5.08%
Mn 257.610	588.3	0.0014	0.00001 mg/L	0.0014	0.00001 ppm	1.01%
Mo 202.030	33.9	0.0025	0.00029 mg/L	0.0025	0.00029 ppm	11.39%
Na 330.237	10889.0	25.53	1.124 mg/L	25.53	1.124 ppm	4.40%
Ni 231.604	24.7	0.0006	0.00019 mg/L	0.0006	0.00019 ppm	30.88%
Pb 220.353	-14.1	-0.0010	0.00116 mg/L	-0.0010	0.00116 ppm	118.49%
Sb 206.833	-13.6	-0.0054	0.00194 mg/L	-0.0054	0.00194 ppm	35.69%
Se 196.026	10.2	0.0031	0.00209 mg/L	0.0031	0.00209 ppm	66.84%
Tl 190.800	7.3	0.0024	0.00192 mg/L	0.0024	0.00192 ppm	80.74%
V 292.402	930.8	0.0095	0.00086 mg/L	0.0095	0.00086 ppm	9.06%
Zn 213.856	101.4	0.0019	0.00009 mg/L	0.0019	0.00009 ppm	4.59%

Replicate Data ----------
ID: 2843-7 F=1 Date: 04/25/03 01:52:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-415.2	5.5	0.0001	mg/L	0.0001	ppm
1	Al 308.215	399.7	1.5	0.0002	mg/L	0.0002	ppm
1	As 188.979	-11.7	-6.2	-0.0023	mg/L	-0.0023	ppm
1	Ba 233.527	3259.4	3694.2	0.0341	mg/L	0.0341	ppm
1	Be 313.107	-2491.5	-105.4	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	1381.3	1422.0	17.30	mg/L	17.30	ppm
1	Cd 228.802	125.2	-5.3	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	74.1	0.3	0.0000	mg/L	0.0000	ppm
1	Cr 267.716	-29.5	51.3	0.0011	mg/L	0.0011	ppm
1	Cu 324.754	679.9	156.6	0.0014	mg/L	0.0014	ppm
1	Fe 273.955	881.5	1076.6	0.0514	mg/L	0.0514	ppm
1	K 766.491	121914.2	114149.0	2.261	mg/L	2.261	ppm
1	Mg 279.079	112355.2	113434.1	11.93	mg/L	11.93	ppm
1	Mn 257.610	-2913.7	568.2	0.0014	mg/L	0.0014	ppm
1	Mo 202.030	-20.1	101.5	0.0076	mg/L	0.0076	ppm
1	Na 330.237	14663.2	13341.9	31.09	mg/L	31.09	ppm
1	Ni 231.604	-61.8	10.0	0.0003	mg/L	0.0003	ppm
1	Pb 220.353	354.9	4.4	0.0003	mg/L	0.0003	ppm
1	Sb 206.833	30.8	-15.7	-0.0063	mg/L	-0.0063	ppm
1	Se 196.026	-1.7	6.1	0.0019	mg/L	0.0019	ppm
1	Tl 190.800	-58.0	-13.4	-0.0044	mg/L	-0.0044	ppm
1	V 292.402	433.1	108.2	0.0011	mg/L	0.0011	ppm
1	Zn 213.856	27.4	77.4	0.0015	mg/L	0.0015	ppm
2	Ag 328.068	-383.5	37.1	0.0005	mg/L	0.0005	ppm
2	Al 308.215	449.0	50.9	0.0056	mg/L	0.0056	ppm
2	As 188.979	-9.9	-4.4	-0.0016	mg/L	-0.0016	ppm
2	Ba 233.527	3165.5	3600.3	0.0333	mg/L	0.0333	ppm
2	Be 313.107	-2404.0	-17.9	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	1339.0	1379.7	16.79	mg/L	16.79	ppm
2	Cd 228.802	128.1	-2.3	-0.0001	mg/L	-0.0001	ppm
2	Co 228.616	70.4	-3.4	-0.0001	mg/L	-0.0001	ppm
2	Cr 267.716	-33.4	47.4	0.0011	mg/L	0.0011	ppm
2	Cu 324.754	478.4	-45.0	-0.0004	mg/L	-0.0004	ppm
2	Fe 273.955	991.8	1186.9	0.0567	mg/L	0.0567	ppm
2	K 766.491	111837.7	104072.4	2.067	mg/L	2.067	ppm
2	Mg 279.079	96104.3	97183.2	10.22	mg/L	10.22	ppm
2	Mn 257.610	-2877.0	604.9	0.0014	mg/L	0.0014	ppm
2	Mo 202.030	-14.6	107.1	0.0080	mg/L	0.0080	ppm
2	Na 330.237	12621.1	11299.8	26.47	mg/L	26.47	ppm
2	Ni 231.604	-47.0	24.8	0.0006	mg/L	0.0006	ppm
2	Pb 220.353	314.9	-35.6	-0.0025	mg/L	-0.0025	ppm
2	Sb 206.833	29.8	-16.8	-0.0067	mg/L	-0.0067	ppm
2	Se 196.026	-1.9	5.9	0.0018	mg/L	0.0018	ppm
2	Tl 190.800	-39.1	5.5	0.0018	mg/L	0.0018	ppm
2	V 292.402	437.6	112.8	0.0011	mg/L	0.0011	ppm
2	Zn 213.856	28.6	78.6	0.0015	mg/L	0.0015	ppm
3	Ag 328.068	-376.0	44.7	0.0006	mg/L	0.0006	ppm

3	Al 308.215	487.8	89.6	0.0098	mg/L	0.0098 ppm
3	As 188.979	-9.6	-4.1	-0.0015	mg/L	-0.0015 ppm
3	Ba 233.527	3176.7	3611.5	0.0334	mg/L	0.0334 ppm
3	Be 313.107	-2334.4	51.7	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	1367.4	1408.1	17.14	mg/L	17.14 ppm
3	Cd 228.802	120.5	-9.9	-0.0002	mg/L	-0.0002 ppm
3	Co 228.616	89.2	15.3	0.0004	mg/L	0.0004 ppm
3	Cr 267.716	-43.4	37.4	0.0008	mg/L	0.0008 ppm
3	Cu 324.754	597.8	74.5	0.0007	mg/L	0.0007 ppm
3	Fe 273.955	1036.7	1231.8	0.0589	mg/L	0.0589 ppm
3	K 766.491	114230.1	106464.9	2.113	mg/L	2.113 ppm
3	Mg 279.079	96353.9	97432.7	10.25	mg/L	10.25 ppm
3	Mn 257.610	-2895.2	586.7	0.0014	mg/L	0.0014 ppm
3	Mo 202.030	-23.0	98.7	0.0073	mg/L	0.0073 ppm
3	Na 330.237	12874.7	11553.4	27.04	mg/L	27.04 ppm
3	Ni 231.604	-76.4	-4.5	-0.0001	mg/L	-0.0001 ppm
3	Pb 220.353	316.9	-33.7	-0.0023	mg/L	-0.0023 ppm
3	Sb 206.833	32.9	-13.6	-0.0054	mg/L	-0.0054 ppm
3	Se 196.026	-0.3	7.5	0.0023	mg/L	0.0023 ppm
3	Tl 190.800	-40.6	4.0	0.0013	mg/L	0.0013 ppm
3	V 292.402	186.0	-138.9	-0.0014	mg/L	-0.0014 ppm
3	Zn 213.856	13.6	63.5	0.0012	mg/L	0.0012 ppm

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

ID: 2843-7 F=1 Seq. No.: 50 Sample No.: 29 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:52:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	29.1	0.0004	0.00028	mg/L	0.0004	0.00028	ppm	71.53%
Al 308.215	47.3	0.0052	0.00482	mg/L	0.0052	0.00482	ppm	93.27%
As 188.979	-4.9	-0.0018	0.00041	mg/L	-0.0018	0.00041	ppm	22.33%
Ba 233.527	3635.3	0.0336	0.00047	mg/L	0.0336	0.00047	ppm	1.41%
Be 313.107	-23.9	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	330.11%
Ca 227.547	1403.3	17.08	0.262	mg/L	17.08	0.262	ppm	1.54%
Cd 228.802	-5.8	-0.0001	0.00009	mg/L	-0.0001	0.00009	ppm	66.23%
Co 228.616	4.1	0.0001	0.00028	mg/L	0.0001	0.00028	ppm	244.92%
Cr 267.716	45.4	0.0010	0.00016	mg/L	0.0010	0.00016	ppm	15.89%
Cu 324.754	62.0	0.0006	0.00091	mg/L	0.0006	0.00091	ppm	163.46%
Fe 273.955	1165.1	0.0557	0.00383	mg/L	0.0557	0.00383	ppm	6.88%
K 766.491	108228.8	2.147	0.1014	mg/L	2.147	0.1014	ppm	4.72%
Mg 279.079	102683.3	10.80	0.979	mg/L	10.80	0.979	ppm	9.07%
Mn 257.610	586.6	0.0014	0.00004	mg/L	0.0014	0.00004	ppm	3.13%
Mo 202.030	102.4	0.0076	0.00032	mg/L	0.0076	0.00032	ppm	4.18%
Na 330.237	12065.0	28.20	2.519	mg/L	28.20	2.519	ppm	8.93%
Ni 231.604	10.1	0.0003	0.00037	mg/L	0.0003	0.00037	ppm	145.24%
Pb 220.353	-21.6	-0.0015	0.00156	mg/L	-0.0015	0.00156	ppm	104.39%
Sb 206.833	-15.4	-0.0061	0.00064	mg/L	-0.0061	0.00064	ppm	10.40%
Se 196.026	6.5	0.0020	0.00027	mg/L	0.0020	0.00027	ppm	13.21%
Tl 190.800	-1.3	-0.0004	0.00345	mg/L	-0.0004	0.00345	ppm	801.12%
V 292.402	27.4	0.0003	0.00147	mg/L	0.0003	0.00147	ppm	525.73%
Zn 213.856	73.2	0.0014	0.00016	mg/L	0.0014	0.00016	ppm	11.42%

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

ID: CCV 1447B Date: 04/25/03 01:55:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	73794.5	74215.1	0.9950	mg/L		
1	Al 308.215	46879.0	46480.8	5.079	mg/L		
1	As 188.979	1417.2	1422.8	0.5307	mg/L		
1	Ba 233.527	543840.6	544275.4	5.028	mg/L		
1	Be 313.107	1222280.1	1224666.2	0.5012	mg/L		
1	Ca 227.547	4149.8	4190.5	51.00	mg/L		
1	Cd 228.802	41257.5	41127.1	0.9946	mg/L		
1	Co 228.616	73730.2	73656.3	2.042	mg/L		
1	Cr 267.716	21907.6	21988.4	0.4902	mg/L		
1	Cu 324.754	224746.9	224223.5	2.010	mg/L		
1	Fe 273.955	104642.5	104837.6	5.033	mg/L		
1	K 766.491	874315.1	866549.9	15.26	mg/L		
1	Mg 279.079	237093.8	238172.7	25.05	mg/L		

1 Mn 257.610	847815.6	851297.5	2.031	mg/L
1 Mo 202.030	26094.1	26215.8	1.952	mg/L
1 Na 330.237	49004.1	47682.8	104.4	mg/L
1 Ni 231.604	81109.9	81181.7	2.049	mg/L
1 Pb 220.353	7673.1	7322.6	0.5075	mg/L
1 Sb 206.833	5025.1	4978.6	1.989	mg/L
1 Se 196.026	1672.1	1679.9	0.5160	mg/L
1 Tl 190.800	1502.9	1547.5	0.5102	mg/L
1 V 292.402	199745.7	199420.9	2.033	mg/L
1 Zn 213.856	109225.9	109275.9	2.066	mg/L
2 Ag 328.068	70389.2	70809.9	0.9493	mg/L
2 Al 308.215	44879.1	44480.9	4.861	mg/L
2 As 188.979	1424.9	1430.4	0.5336	mg/L
2 Ba 233.527	518678.9	519113.7	4.796	mg/L
2 Be 313.107	1164937.0	1167323.1	0.4777	mg/L
2 Ca 227.547	4181.6	4222.3	51.38	mg/L
2 Cd 228.802	42130.7	42000.3	1.016	mg/L
2 Co 228.616	70628.9	70555.1	1.956	mg/L
2 Cr 267.716	22456.8	22537.6	0.5025	mg/L
2 Cu 324.754	213919.0	213395.7	1.913	mg/L
2 Fe 273.955	100129.7	100324.8	4.816	mg/L
2 K 766.491	845281.9	837516.7	14.80	mg/L
2 Mg 279.079	227636.9	228715.7	24.05	mg/L
2 Mn 257.610	807816.7	811298.6	1.936	mg/L
2 Mo 202.030	26723.1	26844.8	1.999	mg/L
2 Na 330.237	46463.1	45141.8	99.21	mg/L
2 Ni 231.604	77949.2	78021.0	1.969	mg/L
2 Pb 220.353	7762.1	7411.6	0.5137	mg/L
2 Sb 206.833	5110.4	5063.9	2.023	mg/L
2 Se 196.026	1749.8	1757.6	0.5399	mg/L
2 Tl 190.800	1516.8	1561.4	0.5147	mg/L
2 V 292.402	190650.4	190325.5	1.940	mg/L
2 Zn 213.856	105072.3	105122.3	1.987	mg/L
3 Ag 328.068	71119.9	71540.6	0.9591	mg/L
3 Al 308.215	45095.5	44697.3	4.884	mg/L
3 As 188.979	1275.9	1281.4	0.4781	mg/L
3 Ba 233.527	518503.9	518938.7	4.794	mg/L
3 Be 313.107	1170539.4	1172925.5	0.4800	mg/L
3 Ca 227.547	4004.4	4045.1	49.23	mg/L
3 Cd 228.802	39562.7	39432.2	0.9536	mg/L
3 Co 228.616	70934.5	70860.6	1.964	mg/L
3 Cr 267.716	20950.9	21031.7	0.4689	mg/L
3 Cu 324.754	215772.6	215249.3	1.930	mg/L
3 Fe 273.955	100810.2	101005.3	4.849	mg/L
3 K 766.491	847991.5	840226.3	14.85	mg/L
3 Mg 279.079	228473.4	229552.2	24.14	mg/L
3 Mn 257.610	809510.6	812992.5	1.940	mg/L
3 Mo 202.030	25233.1	25354.8	1.888	mg/L
3 Na 330.237	46563.0	45241.7	99.41	mg/L
3 Ni 231.604	78460.1	78532.0	1.982	mg/L
3 Pb 220.353	7449.6	7099.1	0.4920	mg/L
3 Sb 206.833	4877.5	4830.9	1.930	mg/L
3 Se 196.026	1580.3	1588.1	0.4878	mg/L
3 Tl 190.800	1436.4	1481.0	0.4883	mg/L
3 V 292.402	191727.7	191402.9	1.951	mg/L
3 Zn 213.856	105809.7	105859.7	2.001	mg/L

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

ID: CCV 1447B Seq. No.: 51 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 01:55:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	72188.5	0.9678	0.02403	mg/L				2.48%
Al 308.215	45219.7	4.941	0.1199	mg/L				2.43%
As 188.979	1378.2	0.5142	0.03123	mg/L				6.07%
Ba 233.527	527442.6	4.873	0.1347	mg/L				2.76%
Be 313.107	1188305.0	0.4863	0.01294	mg/L				2.66%
Ca 227.547	4152.6	50.53	1.150	mg/L				2.28%
Cd 228.802	40853.2	0.9880	0.03158	mg/L				3.20%

Co 228.616	71690.7	1.987	0.0474	mg/L	2.38%
Cr 267.716	21852.6	0.4872	0.01699	mg/L	3.49%
Cu 324.754	217622.8	1.951	0.0519	mg/L	2.66%
Fe 273.955	102055.9	4.899	0.1168	mg/L	2.38%
K 766.491	848097.6	14.97	0.252	mg/L	1.68%
Mg 279.079	232146.9	24.41	0.551	mg/L	2.26%
Mn 257.610	825196.2	1.969	0.0540	mg/L	2.74%
Mo 202.030	26138.4	1.946	0.0557	mg/L	2.86%
Na 330.237	46022.1	101.0	2.92	mg/L	2.90%
Ni 231.604	79244.9	2.000	0.0428	mg/L	2.14%
Pb 220.353	7277.8	0.5044	0.01116	mg/L	2.21%
Sb 206.833	4957.8	1.981	0.0470	mg/L	2.37%
Se 196.026	1675.2	0.5146	0.02606	mg/L	5.06%
Tl 190.800	1529.9	0.5044	0.01410	mg/L	2.80%
V 292.402	193716.4	1.975	0.0507	mg/L	2.57%
Zn 213.856	106752.6	2.018	0.0419	mg/L	2.08%

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

ID: CCB Date: 04/25/03 01:58:33 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-434.6	-14.0	-0.0002	mg/L		
1	Al 308.215	379.1	-19.1	-0.0021	mg/L		
1	As 188.979	-11.3	-5.8	-0.0021	mg/L		
1	Ba 233.527	-353.2	81.6	0.0008	mg/L		
1	Be 313.107	-2148.6	237.5	0.0001	mg/L		
1	Ca 227.547	-28.7	11.9	0.1452	mg/L		
1	Cd 228.802	139.4	8.9	0.0002	mg/L		
1	Co 228.616	81.7	7.9	0.0002	mg/L		
1	Cr 267.716	-59.5	21.3	0.0005	mg/L		
1	Cu 324.754	442.5	-80.8	-0.0007	mg/L		
1	Fe 273.955	-164.9	30.2	0.0015	mg/L		
1	K 766.491	7412.1	-353.1	0.0145	mg/L		
1	Mg 279.079	-936.3	142.5	0.0150	mg/L		
1	Mn 257.610	-3207.7	274.1	0.0007	mg/L		
1	Mo 202.030	-109.7	12.0	0.0009	mg/L		
1	Na 330.237	1309.2	-12.1	0.2245	mg/L		
1	Ni 231.604	-50.3	21.5	0.0005	mg/L		
1	Pb 220.353	341.8	-8.7	-0.0006	mg/L		
1	Sb 206.833	43.8	-2.8	-0.0011	mg/L		
1	Se 196.026	0.6	8.4	0.0026	mg/L		
1	Tl 190.800	-43.2	1.4	0.0004	mg/L		
1	V 292.402	211.4	-113.4	-0.0012	mg/L		
1	Zn 213.856	-21.2	28.7	0.0005	mg/L		
2	Ag 328.068	-143.2	277.4	0.0037	mg/L		
2	Al 308.215	321.1	-77.1	-0.0084	mg/L		
2	As 188.979	-8.7	-3.2	-0.0012	mg/L		
2	Ba 233.527	-378.8	55.9	0.0005	mg/L		
2	Be 313.107	-2318.3	67.9	0.0000	mg/L		
2	Ca 227.547	-55.5	-14.9	-0.1808	mg/L		
2	Cd 228.802	124.5	-5.9	-0.0001	mg/L		
2	Co 228.616	86.1	12.2	0.0003	mg/L		
2	Cr 267.716	-52.8	28.0	0.0006	mg/L		
2	Cu 324.754	675.1	151.7	0.0014	mg/L		
2	Fe 273.955	-172.1	23.0	0.0011	mg/L		
2	K 766.491	7653.4	-111.8	0.0194	mg/L		
2	Mg 279.079	-1071.8	7.0	0.0007	mg/L		
2	Mn 257.610	-3235.1	246.8	0.0006	mg/L		
2	Mo 202.030	-106.0	15.7	0.0012	mg/L		
2	Na 330.237	1315.1	-6.2	0.2384	mg/L		
2	Ni 231.604	-64.0	7.8	0.0002	mg/L		
2	Pb 220.353	334.0	-16.5	-0.0011	mg/L		
2	Sb 206.833	32.5	-14.1	-0.0056	mg/L		
2	Se 196.026	-7.5	0.3	0.0001	mg/L		
2	Tl 190.800	-47.0	-2.5	-0.0008	mg/L		
2	V 292.402	242.0	-82.8	-0.0008	mg/L		
2	Zn 213.856	-48.0	2.0	0.0000	mg/L		
3	Ag 328.068	-444.1	-23.5	-0.0003	mg/L		
3	Al 308.215	350.8	-47.4	-0.0052	mg/L		

3 As 188.979	-4.2	1.3	0.0005	mg/L
3 Ba 233.527	-380.3	54.5	0.0005	mg/L
3 Be 313.107	-2343.6	42.6	0.0000	mg/L
3 Ca 227.547	-39.2	1.5	0.0185	mg/L
3 Cd 228.802	139.0	8.6	0.0002	mg/L
3 Co 228.616	76.3	2.4	0.0001	mg/L
3 Cr 267.716	-55.1	25.6	0.0006	mg/L
3 Cu 324.754	561.6	38.2	0.0003	mg/L
3 Fe 273.955	-185.2	9.9	0.0005	mg/L
3 K 766.491	7369.9	-395.3	0.0137	mg/L
3 Mg 279.079	-1071.3	7.5	0.0008	mg/L
3 Mn 257.610	-3282.0	199.9	0.0005	mg/L
3 Mo 202.030	-112.0	9.7	0.0007	mg/L
3 Na 330.237	1092.3	-229.0	-0.2896	mg/L
3 Ni 231.604	-63.4	8.4	0.0002	mg/L
3 Pb 220.353	344.1	-6.4	-0.0004	mg/L
3 Sb 206.833	17.9	-28.7	-0.0114	mg/L
3 Se 196.026	-3.0	4.8	0.0015	mg/L
3 Tl 190.800	-42.1	2.4	0.0008	mg/L
3 V 292.402	366.4	41.6	0.0004	mg/L
3 Zn 213.856	-25.9	24.1	0.0005	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: 04/25/03 01:58:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	80.0	0.0011	0.00229	mg/L				213.86%
Al 308.215	-47.9	-0.0052	0.00317	mg/L				60.57%
As 188.979	-2.5	-0.0009	0.00134	mg/L				141.36%
Ba 233.527	64.0	0.0006	0.00014	mg/L				23.78%
Be 313.107	116.0	0.0000	0.00004	mg/L				91.41%
Ca 227.547	-0.5	-0.0057	0.16438	mg/L				>999.9%
Cd 228.802	3.9	0.0001	0.00020	mg/L				217.94%
Co 228.616	7.5	0.0002	0.00014	mg/L				65.22%
Cr 267.716	25.0	0.0006	0.00008	mg/L				13.71%
Cu 324.754	36.4	0.0003	0.00104	mg/L				319.71%
Fe 273.955	21.0	0.0010	0.00050	mg/L				49.03%
K 766.491	-286.7	0.0159	0.00306	mg/L				19.31%
Mg 279.079	52.4	0.0055	0.00821	mg/L				149.18%
Mn 257.610	240.3	0.0006	0.00009	mg/L				15.63%
Mo 202.030	12.4	0.0009	0.00022	mg/L				24.10%
Na 330.237	-82.4	0.0578	0.30092	mg/L				521.07%
Ni 231.604	12.6	0.0003	0.00020	mg/L				61.57%
Pb 220.353	-10.6	-0.0007	0.00037	mg/L				50.14%
Sb 206.833	-15.2	-0.0061	0.00519	mg/L				85.74%
Se 196.026	4.5	0.0014	0.00125	mg/L				90.74%
Tl 190.800	0.4	0.0001	0.00084	mg/L				576.48%
V 292.402	-51.6	-0.0005	0.00084	mg/L				159.21%
Zn 213.856	18.3	0.0003	0.00027	mg/L				78.12%

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

ID: M-BL 03M1375S Date: 04/25/03 02:01:58 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-409.9	10.7	0.0001	mg/L	0.0072	ppm
1	Al 308.215	503.3	105.1	0.0115	mg/L	0.5743	ppm
1	As 188.979	-10.8	-5.3	-0.0020	mg/L	-0.0982	ppm
1	Ba 233.527	-385.2	49.6	0.0005	mg/L	0.0229	ppm
1	Be 313.107	-2285.9	100.3	0.0000	mg/L	0.0021	ppm
1	Ca 227.547	-42.3	-1.6	-0.0195	mg/L	-0.9765	ppm
1	Cd 228.802	134.0	3.6	0.0001	mg/L	0.0044	ppm
1	Co 228.616	81.4	7.5	0.0002	mg/L	0.0104	ppm
1	Cr 267.716	-53.2	27.6	0.0006	mg/L	0.0308	ppm
1	Cu 324.754	422.8	-100.6	-0.0009	mg/L	-0.0451	ppm
1	Fe 273.955	-177.6	17.5	0.0008	mg/L	0.0421	ppm
1	K 766.491	7693.8	-71.4	0.0202	mg/L	1.008	ppm
1	Mg 279.079	-1019.4	59.4	0.0062	mg/L	0.3123	ppm
1	Mn 257.610	-3319.8	162.1	0.0004	mg/L	0.0193	ppm

1 Mo 202.030	-119.0	2.7	0.0002 mg/L	0.0101 ppm
1 Na 330.237	1431.4	110.1	0.5139 mg/L	25.69 ppm
1 Ni 231.604	-60.4	11.5	0.0003 mg/L	0.0145 ppm
1 Pb 220.353	350.4	-0.1	0.0000 mg/L	-0.0004 ppm
1 Sb 206.833	28.5	-18.1	-0.0072 mg/L	-0.3608 ppm
1 Se 196.026	4.4	12.2	0.0037 mg/L	0.1868 ppm
1 Tl 190.800	-51.3	-6.7	-0.0022 mg/L	-0.1097 ppm
1 V 292.402	321.8	-3.0	0.0000 mg/L	-0.0015 ppm
1 Zn 213.856	-62.1	-12.1	-0.0002 mg/L	-0.0115 ppm
2 Ag 328.068	-330.2	90.5	0.0012 mg/L	0.0607 ppm
2 Al 308.215	485.1	86.9	0.0095 mg/L	0.4746 ppm
2 As 188.979	-3.0	2.5	0.0009 mg/L	0.0470 ppm
2 Ba 233.527	-408.2	26.6	0.0002 mg/L	0.0123 ppm
2 Be 313.107	-2509.1	-123.0	-0.0001 mg/L	-0.0025 ppm
2 Ca 227.547	-31.3	9.3	0.1138 mg/L	5.688 ppm
2 Cd 228.802	112.3	-18.1	-0.0004 mg/L	-0.0219 ppm
2 Co 228.616	91.7	17.9	0.0005 mg/L	0.0248 ppm
2 Cr 267.716	-48.8	32.0	0.0007 mg/L	0.0357 ppm
2 Cu 324.754	280.2	-243.1	-0.0022 mg/L	-0.1090 ppm
2 Fe 273.955	-186.9	8.2	0.0004 mg/L	0.0197 ppm
2 K 766.491	7442.5	-322.7	0.0151 mg/L	0.7568 ppm
2 Mg 279.079	-1003.9	75.0	0.0079 mg/L	0.3943 ppm
2 Mn 257.610	-3281.2	200.7	0.0005 mg/L	0.0239 ppm
2 Mo 202.030	-116.8	4.9	0.0004 mg/L	0.0181 ppm
2 Na 330.237	1231.3	-90.0	0.0398 mg/L	1.988 ppm
2 Ni 231.604	-45.7	26.1	0.0007 mg/L	0.0330 ppm
2 Pb 220.353	340.2	-10.4	-0.0007 mg/L	-0.0359 ppm
2 Sb 206.833	32.7	-13.8	-0.0055 mg/L	-0.2757 ppm
2 Se 196.026	0.2	8.0	0.0025 mg/L	0.1236 ppm
2 Tl 190.800	-41.9	2.6	0.0009 mg/L	0.0431 ppm
2 V 292.402	224.1	-100.7	-0.0010 mg/L	-0.0513 ppm
2 Zn 213.856	-38.8	11.1	0.0002 mg/L	0.0105 ppm
3 Ag 328.068	-412.2	8.5	0.0001 mg/L	0.0057 ppm
3 Al 308.215	459.9	61.7	0.0067 mg/L	0.3370 ppm
3 As 188.979	-14.0	-8.5	-0.0032 mg/L	-0.1580 ppm
3 Ba 233.527	-403.1	31.7	0.0003 mg/L	0.0147 ppm
3 Be 313.107	-2326.4	59.7	0.0000 mg/L	0.0012 ppm
3 Ca 227.547	-39.0	1.7	0.0206 mg/L	1.028 ppm
3 Cd 228.802	143.2	12.8	0.0003 mg/L	0.0155 ppm
3 Co 228.616	75.7	1.8	0.0001 mg/L	0.0025 ppm
3 Cr 267.716	-62.5	18.3	0.0004 mg/L	0.0204 ppm
3 Cu 324.754	408.4	-115.0	-0.0010 mg/L	-0.0515 ppm
3 Fe 273.955	-175.0	20.1	0.0010 mg/L	0.0484 ppm
3 K 766.491	7687.7	-77.5	0.0200 mg/L	1.002 ppm
3 Mg 279.079	-979.1	99.8	0.0105 mg/L	0.5246 ppm
3 Mn 257.610	-3313.3	168.6	0.0004 mg/L	0.0201 ppm
3 Mo 202.030	-122.6	-0.9	-0.0001 mg/L	-0.0035 ppm
3 Na 330.237	1161.2	-160.1	-0.1263 mg/L	-6.316 ppm
3 Ni 231.604	-52.5	19.3	0.0005 mg/L	0.0244 ppm
3 Pb 220.353	309.2	-41.3	-0.0029 mg/L	-0.1430 ppm
3 Sb 206.833	31.2	-15.4	-0.0061 mg/L	-0.3066 ppm
3 Se 196.026	-4.3	3.5	0.0011 mg/L	0.0537 ppm
3 Tl 190.800	-40.7	3.8	0.0013 mg/L	0.0629 ppm
3 V 292.402	358.4	33.6	0.0003 mg/L	0.0171 ppm
3 Zn 213.856	-51.2	-1.3	0.0000 mg/L	-0.0012 ppm

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

ID: M-BL 03M1375S Seq. No.: 53 Sample No.: 30 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/25/03 02:01:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	36.6	0.0005	0.00063	mg/L	0.0245	0.03131	ppm	127.78%
Al 308.215	84.5	0.0092	0.00238	mg/L	0.4620	0.11912	ppm	25.79%
As 188.979	-3.8	-0.0014	0.00211	mg/L	-0.0697	0.10542	ppm	151.18%
Ba 233.527	36.0	0.0003	0.00011	mg/L	0.0166	0.00559	ppm	33.66%
Be 313.107	12.3	0.0000	0.00005	mg/L	0.0003	0.00243	ppm	965.08%
Ca 227.547	3.1	0.0383	0.06838	mg/L	1.913	3.4192	ppm	178.71%
Cd 228.802	-0.6	0.0000	0.00038	mg/L	-0.0007	0.01920	ppm	>999.9%
Co 228.616	9.1	0.0003	0.00023	mg/L	0.0126	0.01127	ppm	89.63%

Cr 267.716	26.0	0.0006	0.00016 mg/L	0.0290	0.00782 ppm	27.01%
Cu 324.754	-152.9	-0.0014	0.00070 mg/L	-0.0685	0.03518 ppm	51.32%
Fe 273.955	15.3	0.0007	0.00030 mg/L	0.0367	0.01508 ppm	41.05%
K 766.491	-157.2	0.0184	0.00287 mg/L	0.9224	0.14348 ppm	15.55%
Mg 279.079	78.1	0.0082	0.00214 mg/L	0.4104	0.10704 ppm	26.08%
Mn 257.610	177.1	0.0004	0.00005 mg/L	0.0211	0.00247 ppm	11.68%
Mo 202.030	2.2	0.0002	0.00022 mg/L	0.0082	0.01092 ppm	132.55%
Na 330.237	-46.7	0.1424	0.33222 mg/L	7.122	16.6110 ppm	233.24%
Ni 231.604	19.0	0.0005	0.00019 mg/L	0.0239	0.00927 ppm	38.73%
Pb 220.353	-17.2	-0.0012	0.00149 mg/L	-0.0598	0.07425 ppm	124.24%
Sb 206.833	-15.8	-0.0063	0.00086 mg/L	-0.3144	0.04309 ppm	13.71%
Se 196.026	7.9	0.0024	0.00133 mg/L	0.1214	0.06656 ppm	54.85%
Tl 190.800	-0.1	0.0000	0.00189 mg/L	-0.0012	0.09448 ppm	>999.9%
V 292.402	-23.4	-0.0002	0.00071 mg/L	-0.0119	0.03538 ppm	296.76%
Zn 213.856	-0.7	0.0000	0.00022 mg/L	-0.0007	0.01100 ppm	>999.9%

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

ID: LCS-03M1375 Date: 04/25/03 02:05:08 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	68849.5	69270.2	0.9287	mg/L	46.43	ppm
1	Al 308.215	19236.6	18838.4	2.059	mg/L	102.9	ppm
1	As 188.979	1267.5	1273.0	0.4773	mg/L	23.86	ppm
1	Ba 233.527	425980.4	426415.2	3.940	mg/L	197.0	ppm
1	Be 313.107	454509.0	456895.2	0.1870	mg/L	9.349	ppm
1	Ca 227.547	1582.5	1623.2	19.75	mg/L	987.7	ppm
1	Cd 228.802	10114.7	9984.3	0.2415	mg/L	12.07	ppm
1	Co 228.616	35102.5	35028.6	0.9710	mg/L	48.55	ppm
1	Cr 267.716	42781.8	42862.6	0.9556	mg/L	47.78	ppm
1	Cu 324.754	107455.9	106932.5	0.9588	mg/L	47.94	ppm
1	Fe 273.955	19975.3	20170.4	0.9610	mg/L	48.05	ppm
1	K 766.491	279950.1	272184.9	5.224	mg/L	261.2	ppm
1	Mg 279.079	86227.4	87306.2	9.181	mg/L	459.0	ppm
1	Mn 257.610	391036.0	394517.9	0.9412	mg/L	47.06	ppm
1	Mo 202.030	25599.7	25721.4	1.915	mg/L	95.77	ppm
1	Na 330.237	18530.3	17209.0	39.75	mg/L	1988	ppm
1	Ni 231.604	37556.3	37628.1	0.9497	mg/L	47.49	ppm
1	Pb 220.353	42789.8	42439.3	2.941	mg/L	147.1	ppm
1	Sb 206.833	1240.8	1194.2	0.4763	mg/L	23.82	ppm
1	Se 196.026	1592.1	1599.9	0.4914	mg/L	24.57	ppm
1	Tl 190.800	1460.4	1504.9	0.4961	mg/L	24.81	ppm
1	V 292.402	189189.5	188864.7	1.925	mg/L	96.27	ppm
1	Zn 213.856	25384.9	25434.9	0.4809	mg/L	24.04	ppm
2	Ag 328.068	69625.1	70045.8	0.9391	mg/L	46.95	ppm
2	Al 308.215	19812.8	19414.6	2.122	mg/L	106.1	ppm
2	As 188.979	1374.3	1379.8	0.5170	mg/L	25.85	ppm
2	Ba 233.527	430810.2	431245.0	3.984	mg/L	199.2	ppm
2	Be 313.107	459903.4	462289.6	0.1892	mg/L	9.459	ppm
2	Ca 227.547	1606.1	1646.7	20.04	mg/L	1002	ppm
2	Cd 228.802	10499.1	10368.6	0.2507	mg/L	12.54	ppm
2	Co 228.616	36148.0	36074.1	1.000	mg/L	50.00	ppm
2	Cr 267.716	43561.3	43642.1	0.9730	mg/L	48.65	ppm
2	Cu 324.754	109006.9	108483.5	0.9727	mg/L	48.64	ppm
2	Fe 273.955	20636.7	20831.8	0.9927	mg/L	49.63	ppm
2	K 766.491	279222.7	271457.5	5.211	mg/L	260.6	ppm
2	Mg 279.079	87045.0	88123.8	9.267	mg/L	463.3	ppm
2	Mn 257.610	394685.8	398167.7	0.9499	mg/L	47.50	ppm
2	Mo 202.030	26618.8	26740.5	1.991	mg/L	99.56	ppm
2	Na 330.237	18663.3	17342.0	40.05	mg/L	2002	ppm
2	Ni 231.604	38873.4	38945.3	0.9829	mg/L	49.15	ppm
2	Pb 220.353	44224.4	43873.9	3.041	mg/L	152.0	ppm
2	Sb 206.833	1285.2	1238.6	0.4941	mg/L	24.70	ppm
2	Se 196.026	1625.2	1633.0	0.5016	mg/L	25.08	ppm
2	Tl 190.800	1593.4	1638.0	0.5398	mg/L	26.99	ppm
2	V 292.402	192358.7	192033.9	1.958	mg/L	97.89	ppm
2	Zn 213.856	26492.8	26542.8	0.5018	mg/L	25.09	ppm
3	Ag 328.068	67208.1	67628.7	0.9067	mg/L	45.33	ppm
3	Al 308.215	19433.1	19034.9	2.080	mg/L	104.0	ppm
3	As 188.979	1281.1	1286.6	0.4822	mg/L	24.11	ppm

3 Ba 233.527	416229.5	416664.3	3.849	mg/L	192.5 ppm
3 Be 313.107	444013.5	446399.6	0.1827	mg/L	9.134 ppm
3 Ca 227.547	1586.8	1627.5	19.81	mg/L	990.3 ppm
3 Cd 228.802	10290.7	10160.3	0.2457	mg/L	12.29 ppm
3 Co 228.616	35382.3	35308.5	0.9788	mg/L	48.94 ppm
3 Cr 267.716	42066.4	42147.2	0.9396	mg/L	46.98 ppm
3 Cu 324.754	104725.2	104201.9	0.9343	mg/L	46.72 ppm
3 Fe 273.955	20226.0	20421.1	0.9733	mg/L	48.66 ppm
3 K 766.491	271786.4	264021.2	5.075	mg/L	253.7 ppm
3 Mg 279.079	84640.4	85719.3	9.014	mg/L	450.7 ppm
3 Mn 257.610	380965.6	384447.5	0.9172	mg/L	45.86 ppm
3 Mo 202.030	26132.9	26254.6	1.955	mg/L	97.75 ppm
3 Na 330.237	18158.2	16836.9	38.92	mg/L	1946 ppm
3 Ni 231.604	37805.6	37877.4	0.9560	mg/L	47.80 ppm
3 Pb 220.353	43239.2	42888.7	2.973	mg/L	148.6 ppm
3 Sb 206.833	1253.6	1207.1	0.4815	mg/L	24.07 ppm
3 Se 196.026	1568.9	1576.7	0.4843	mg/L	24.21 ppm
3 Tl 190.800	1541.6	1586.2	0.5227	mg/L	26.13 ppm
3 V 292.402	185151.9	184827.1	1.884	mg/L	94.21 ppm
3 Zn 213.856	25696.3	25746.2	0.4868	mg/L	24.34 ppm

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

ID: LCS-03M1375 Seq. No.: 54 Sample No.: 31 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/25/03 02:05:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	68981.6	0.9248	0.01654	mg/L	46.24	0.827	ppm	1.79%
Al 308.215	19096.0	2.087	0.0320	mg/L	104.3	1.60	ppm	1.53%
As 188.979	1313.1	0.4922	0.02165	mg/L	24.61	1.083	ppm	4.40%
Ba 233.527	424774.9	3.924	0.0686	mg/L	196.2	3.43	ppm	1.75%
Be 313.107	455194.8	0.1863	0.00331	mg/L	9.314	0.1653	ppm	1.78%
Ca 227.547	1632.5	19.87	0.152	mg/L	993.3	7.62	ppm	0.77%
Cd 228.802	10171.1	0.2460	0.00465	mg/L	12.30	0.233	ppm	1.89%
Co 228.616	35470.4	0.9833	0.01500	mg/L	49.16	0.750	ppm	1.53%
Cr 267.716	42883.9	0.9561	0.01667	mg/L	47.80	0.833	ppm	1.74%
Cu 324.754	106539.3	0.9553	0.01944	mg/L	47.76	0.972	ppm	2.03%
Fe 273.955	20474.4	0.9757	0.01597	mg/L	48.78	0.798	ppm	1.64%
K 766.491	269221.2	5.170	0.0827	mg/L	258.5	4.14	ppm	1.60%
Mg 279.079	87049.8	9.154	0.1286	mg/L	457.7	6.43	ppm	1.40%
Mn 257.610	392377.7	0.9361	0.01695	mg/L	46.81	0.848	ppm	1.81%
Mo 202.030	26238.8	1.954	0.0380	mg/L	97.69	1.898	ppm	1.94%
Na 330.237	17129.3	39.58	0.583	mg/L	1979	29.1	ppm	1.47%
Ni 231.604	38150.3	0.9629	0.01766	mg/L	48.14	0.883	ppm	1.83%
Pb 220.353	43067.3	2.985	0.0509	mg/L	149.2	2.54	ppm	1.70%
Sb 206.833	1213.3	0.4840	0.00912	mg/L	24.20	0.456	ppm	1.88%
Se 196.026	1603.2	0.4924	0.00869	mg/L	24.62	0.435	ppm	1.77%
Tl 190.800	1576.4	0.5195	0.02199	mg/L	25.98	1.100	ppm	4.23%
V 292.402	188575.2	1.922	0.0368	mg/L	96.12	1.841	ppm	1.92%
Zn 213.856	25908.0	0.4898	0.01080	mg/L	24.49	0.540	ppm	2.21%

Matrix Check Sample: LCS-03M1375

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.9248	0.017	mg/L	92.432
Al 308.215	2.009	2.087	0.032	mg/L	103.875
As 188.979	0.4986	0.4922	0.022	mg/L	98.712
Ba 233.527	4.000	3.924	0.069	mg/L	98.100
Be 313.107	0.2000	0.1863	0.003	mg/L	93.138
Ca 227.547	20.04	19.87	0.152	mg/L	99.142
Cd 228.802	0.2500	0.2460	0.005	mg/L	98.394
Co 228.616	1.000	0.9833	0.015	mg/L	98.304
Cr 267.716	1.001	0.9561	0.017	mg/L	95.549
Cu 324.754	0.9986	0.9553	0.019	mg/L	95.664
Fe 273.955	1.001	0.9757	0.016	mg/L	97.493
K 766.491	5.018	5.170	0.083	mg/L	103.035
Mg 279.079	10.01	9.154	0.129	mg/L	91.456
Mn 257.610	1.000	0.9361	0.017	mg/L	93.569
Mo 202.030	2.000	1.954	0.038	mg/L	97.684
Na 330.237	40.14	39.58	0.583	mg/L	98.584

Ni 231.604	1.000	0.9629	0.018	mg/L	96.240
Pb 220.353	2.999	2.985	0.051	mg/L	99.538
Sb 206.833	0.4937	0.4840	0.009	mg/L	98.049
Se 196.026	0.5024	0.4924	0.009	mg/L	98.000
Tl 190.800	0.5000	0.5195	0.022	mg/L	103.914
V 292.402	2.000	1.922	0.037	mg/L	96.137
Zn 213.856	0.5000	0.4898	0.011	mg/L	97.966

Replicate Data

ID: LCSD-03M1375 Date: 04/25/03 02:07:41 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	69574.6	69995.3	0.9384	mg/L	46.92	ppm
1	Al 308.215	19258.3	18860.1	2.061	mg/L	103.0	ppm
1	As 188.979	1259.4	1265.0	0.4744	mg/L	23.72	ppm
1	Ba 233.527	428895.3	429330.1	3.966	mg/L	198.3	ppm
1	Be 313.107	462024.2	464410.3	0.1901	mg/L	9.503	ppm
1	Ca 227.547	1552.7	1593.4	19.39	mg/L	969.5	ppm
1	Cd 228.802	10233.7	10103.3	0.2443	mg/L	12.22	ppm
1	Co 228.616	34993.0	34919.2	0.9680	mg/L	48.40	ppm
1	Cr 267.716	43684.4	43765.2	0.9757	mg/L	48.79	ppm
1	Cu 324.754	108819.8	108296.5	0.9710	mg/L	48.55	ppm
1	Fe 273.955	20013.1	20208.2	0.9627	mg/L	48.13	ppm
1	K 766.491	275328.9	267563.7	5.140	mg/L	257.0	ppm
1	Mg 279.079	86859.9	87938.8	9.247	mg/L	462.4	ppm
1	Mn 257.610	394232.6	397714.5	0.9488	mg/L	47.44	ppm
1	Mo 202.030	25660.2	25781.8	1.920	mg/L	95.99	ppm
1	Na 330.237	18662.4	17341.1	40.05	mg/L	2002	ppm
1	Ni 231.604	37640.0	37711.8	0.9518	mg/L	47.59	ppm
1	Pb 220.353	42939.3	42588.8	2.952	mg/L	147.6	ppm
1	Sb 206.833	1241.1	1194.5	0.4765	mg/L	23.82	ppm
1	Se 196.026	1527.1	1534.9	0.4714	mg/L	23.57	ppm
1	Tl 190.800	1499.9	1544.5	0.5092	mg/L	25.46	ppm
1	V 292.402	192811.2	192486.3	1.962	mg/L	98.12	ppm
1	Zn 213.856	25575.5	25625.4	0.4845	mg/L	24.22	ppm
2	Ag 328.068	65939.4	66360.0	0.8897	mg/L	44.48	ppm
2	Al 308.215	19398.8	19000.6	2.076	mg/L	103.8	ppm
2	As 188.979	1301.2	1306.7	0.4896	mg/L	24.48	ppm
2	Ba 233.527	409191.8	409626.6	3.784	mg/L	189.2	ppm
2	Be 313.107	437495.7	439881.8	0.1800	mg/L	9.001	ppm
2	Ca 227.547	1538.4	1579.1	19.22	mg/L	960.8	ppm
2	Cd 228.802	10306.4	10176.0	0.2461	mg/L	12.30	ppm
2	Co 228.616	35176.8	35103.0	0.9731	mg/L	48.66	ppm
2	Cr 267.716	41352.9	41433.6	0.9237	mg/L	46.19	ppm
2	Cu 324.754	102599.5	102076.1	0.9153	mg/L	45.76	ppm
2	Fe 273.955	19925.0	20120.1	0.9589	mg/L	47.95	ppm
2	K 766.491	266094.7	258329.5	4.971	mg/L	248.5	ppm
2	Mg 279.079	83296.5	84375.4	8.873	mg/L	443.6	ppm
2	Mn 257.610	374865.2	378347.1	0.9026	mg/L	45.13	ppm
2	Mo 202.030	26108.6	26230.3	1.953	mg/L	97.66	ppm
2	Na 330.237	17781.1	16459.8	38.08	mg/L	1904	ppm
2	Ni 231.604	38060.0	38131.9	0.9624	mg/L	48.12	ppm
2	Pb 220.353	43277.9	42927.4	2.975	mg/L	148.8	ppm
2	Sb 206.833	1287.2	1240.6	0.4949	mg/L	24.74	ppm
2	Se 196.026	1539.0	1546.8	0.4751	mg/L	23.76	ppm
2	Tl 190.800	1473.0	1517.6	0.5002	mg/L	25.01	ppm
2	V 292.402	182696.8	182371.9	1.859	mg/L	92.96	ppm
2	Zn 213.856	25908.8	25958.8	0.4908	mg/L	24.54	ppm
3	Ag 328.068	69554.8	69975.5	0.9381	mg/L	46.91	ppm
3	Al 308.215	19494.7	19096.5	2.087	mg/L	104.3	ppm
3	As 188.979	1309.6	1315.1	0.4930	mg/L	24.65	ppm
3	Ba 233.527	425745.3	426180.0	3.937	mg/L	196.9	ppm
3	Be 313.107	458266.3	460652.4	0.1885	mg/L	9.426	ppm
3	Ca 227.547	1585.0	1625.6	19.78	mg/L	989.2	ppm
3	Cd 228.802	10347.9	10217.5	0.2471	mg/L	12.35	ppm
3	Co 228.616	35095.7	35021.9	0.9709	mg/L	48.54	ppm
3	Cr 267.716	43402.5	43483.3	0.9694	mg/L	48.47	ppm
3	Cu 324.754	107929.5	107406.2	0.9630	mg/L	48.15	ppm
3	Fe 273.955	20007.0	20202.1	0.9624	mg/L	48.12	ppm

3 K 766.491	275537.3	267772.1	5.144 mg/L	257.2 ppm
3 Mg 279.079	86780.5	87859.4	9.239 mg/L	461.9 ppm
3 Mn 257.610	390642.9	394124.8	0.9403 mg/L	47.01 ppm
3 Mo 202.030	25949.8	26071.5	1.941 mg/L	97.07 ppm
3 Na 330.237	18365.2	17043.9	39.39 mg/L	1969 ppm
3 Ni 231.604	37912.4	37984.2	0.9587 mg/L	47.93 ppm
3 Pb 220.353	43266.6	42916.1	2.974 mg/L	148.7 ppm
3 Sb 206.833	1208.0	1161.5	0.4633 mg/L	23.16 ppm
3 Se 196.026	1575.2	1583.0	0.4862 mg/L	24.31 ppm
3 Tl 190.800	1511.6	1556.2	0.5130 mg/L	25.65 ppm
3 V 292.402	191601.8	191276.9	1.950 mg/L	97.50 ppm
3 Zn 213.856	25761.3	25811.2	0.4880 mg/L	24.40 ppm

Mean Data

ID: LCSD-03M1375 Seq. No.: 55 Sample No.: 32 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 04/25/03 02:07:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	68776.9	0.9221	0.02806	mg/L	46.10	1.403	ppm	3.04%
Al 308.215	18985.7	2.075	0.0130	mg/L	103.7	0.65	ppm	0.63%
As 188.979	1295.6	0.4857	0.00992	mg/L	24.28	0.496	ppm	2.04%
Ba 233.527	421712.3	3.896	0.0978	mg/L	194.8	4.89	ppm	2.51%
Be 313.107	454981.5	0.1862	0.00541	mg/L	9.310	0.2703	ppm	2.90%
Ca 227.547	1599.4	19.46	0.290	mg/L	973.2	14.51	ppm	1.49%
Cd 228.802	10165.6	0.2458	0.00140	mg/L	12.29	0.070	ppm	0.57%
Co 228.616	35014.7	0.9707	0.00255	mg/L	48.53	0.128	ppm	0.26%
Cr 267.716	42894.1	0.9563	0.02837	mg/L	47.81	1.419	ppm	2.97%
Cu 324.754	105926.3	0.9498	0.03016	mg/L	47.49	1.508	ppm	3.18%
Fe 273.955	20176.8	0.9614	0.00211	mg/L	48.07	0.106	ppm	0.22%
K 766.491	264555.1	5.085	0.0989	mg/L	254.2	4.95	ppm	1.95%
Mg 279.079	86724.5	9.120	0.2140	mg/L	456.0	10.70	ppm	2.35%
Mn 257.610	390062.1	0.9306	0.02458	mg/L	46.53	1.229	ppm	2.64%
Mo 202.030	26027.9	1.938	0.0169	mg/L	96.91	0.847	ppm	0.87%
Na 330.237	16948.3	39.17	0.999	mg/L	1959	50.0	ppm	2.55%
Ni 231.604	37942.6	0.9576	0.00538	mg/L	47.88	0.269	ppm	0.56%
Pb 220.353	42810.8	2.967	0.0133	mg/L	148.4	0.67	ppm	0.45%
Sb 206.833	1198.9	0.4782	0.01586	mg/L	23.91	0.793	ppm	3.32%
Se 196.026	1554.9	0.4776	0.00769	mg/L	23.88	0.385	ppm	1.61%
Tl 190.800	1539.4	0.5074	0.00657	mg/L	25.37	0.328	ppm	1.29%
V 292.402	188711.7	1.924	0.0563	mg/L	96.19	2.816	ppm	2.93%
Zn 213.856	25798.5	0.4877	0.00316	mg/L	24.39	0.158	ppm	0.65%

Matrix Check Sample: LCSD-03M1375

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.9221	0.028	mg/L	92.158
Al 308.215	2.009	2.075	0.013	mg/L	103.273
As 188.979	0.4986	0.4857	0.010	mg/L	97.411
Ba 233.527	4.000	3.896	0.098	mg/L	97.393
Be 313.107	0.2000	0.1862	0.005	mg/L	93.095
Ca 227.547	20.04	19.46	0.290	mg/L	97.126
Cd 228.802	0.2500	0.2458	0.001	mg/L	98.341
Co 228.616	1.000	0.9707	0.003	mg/L	97.041
Cr 267.716	1.001	0.9563	0.028	mg/L	95.572
Cu 324.754	0.9986	0.9498	0.030	mg/L	95.115
Fe 273.955	1.001	0.9614	0.002	mg/L	96.062
K 766.491	5.018	5.085	0.099	mg/L	101.326
Mg 279.079	10.01	9.120	0.214	mg/L	91.114
Mn 257.610	1.000	0.9306	0.025	mg/L	93.016
Mo 202.030	2.000	1.938	0.017	mg/L	96.899
Na 330.237	40.14	39.17	0.999	mg/L	97.575
Ni 231.604	1.000	0.9576	0.005	mg/L	95.716
Pb 220.353	2.999	2.967	0.013	mg/L	98.945
Sb 206.833	0.4937	0.4782	0.016	mg/L	96.896
Se 196.026	0.5024	0.4776	0.008	mg/L	95.033
Tl 190.800	0.5000	0.5074	0.007	mg/L	101.491
V 292.402	2.000	1.924	0.056	mg/L	96.206
Zn 213.856	0.5000	0.4877	0.003	mg/L	97.552

Replicate Data
ID: 2842-1 S F=200 Date: 04/25/03 02:10:33 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-313.1	107.5	0.0014	mg/L	0.2883	ppm
1	Al 308.215	248030.7	247632.5	27.06	mg/L	5412	ppm
1	As 188.979	13.9	19.4	0.0111	mg/L	2.230	ppm
1	Ba 233.527	14549.7	14984.5	0.1384	mg/L	27.69	ppm
1	Be 313.107	-4437.4	-2051.3	-0.0008	mg/L	-0.1679	ppm
1	Ca 227.547	580.8	621.5	7.564	mg/L	1513	ppm
1	Cd 228.802	131.0	0.5	0.0000	mg/L	0.0026	ppm
1	Co 228.616	662.8	588.9	0.0163	mg/L	3.265	ppm
1	Cr 267.716	2419.3	2500.1	0.0557	mg/L	11.15	ppm
1	Cu 324.754	2543.6	2020.3	0.0181	mg/L	3.623	ppm
1	Fe 273.955	881907.7	882102.8	42.43	mg/L	8486	ppm
1	K 766.491	472875.1	465109.9	8.655	mg/L	1731	ppm
1	Mg 279.079	117073.8	118152.7	12.42	mg/L	2485	ppm
1	Mn 257.610	158186.9	161668.8	0.3857	mg/L	77.14	ppm
1	Mo 202.030	-16.5	105.2	0.0078	mg/L	1.566	ppm
1	Na 330.237	2633.7	1312.4	3.355	mg/L	671.0	ppm
1	Ni 231.604	665.1	736.9	0.0186	mg/L	3.720	ppm
1	Pb 220.353	429.4	78.9	0.0062	mg/L	1.241	ppm
1	Sb 206.833	40.3	-6.2	-0.0052	mg/L	-1.032	ppm
1	Se 196.026	-10.6	-2.8	0.0068	mg/L	1.356	ppm
1	Tl 190.800	-45.7	-1.1	-0.0004	mg/L	-0.0740	ppm
1	V 292.402	10851.4	10526.6	0.1073	mg/L	21.46	ppm
1	Zn 213.856	5415.5	5465.4	0.1033	mg/L	20.67	ppm
2	Ag 328.068	-466.9	-46.2	-0.0006	mg/L	-0.1239	ppm
2	Al 308.215	246450.9	246052.7	26.89	mg/L	5378	ppm
2	As 188.979	7.4	13.0	0.0087	mg/L	1.735	ppm
2	Ba 233.527	14189.1	14623.9	0.1351	mg/L	27.02	ppm
2	Be 313.107	-4460.9	-2074.8	-0.0008	mg/L	-0.1698	ppm
2	Ca 227.547	542.6	583.3	7.098	mg/L	1420	ppm
2	Cd 228.802	119.6	-10.9	-0.0003	mg/L	-0.0525	ppm
2	Co 228.616	648.3	574.5	0.0159	mg/L	3.185	ppm
2	Cr 267.716	2372.7	2453.5	0.0547	mg/L	10.94	ppm
2	Cu 324.754	2395.3	1872.0	0.0168	mg/L	3.357	ppm
2	Fe 273.955	867798.9	867994.0	41.75	mg/L	8351	ppm
2	K 766.491	500235.5	492470.3	9.127	mg/L	1825	ppm
2	Mg 279.079	113676.8	114755.6	12.07	mg/L	2413	ppm
2	Mn 257.610	155085.5	158567.4	0.3783	mg/L	75.66	ppm
2	Mo 202.030	-17.8	103.8	0.0077	mg/L	1.547	ppm
2	Na 330.237	2497.8	1176.5	3.034	mg/L	606.9	ppm
2	Ni 231.604	655.2	727.1	0.0184	mg/L	3.670	ppm
2	Pb 220.353	430.1	79.6	0.0063	mg/L	1.253	ppm
2	Sb 206.833	46.2	-0.4	-0.0028	mg/L	-0.5553	ppm
2	Se 196.026	-26.4	-18.6	0.0018	mg/L	0.3593	ppm
2	Tl 190.800	-58.1	-13.5	-0.0044	mg/L	-0.8879	ppm
2	V 292.402	10932.6	10607.8	0.1081	mg/L	21.63	ppm
2	Zn 213.856	5342.2	5392.2	0.1019	mg/L	20.39	ppm
3	Ag 328.068	-455.8	-35.2	-0.0005	mg/L	-0.0943	ppm
3	Al 308.215	247466.7	247068.5	27.00	mg/L	5400	ppm
3	As 188.979	21.3	26.8	0.0138	mg/L	2.761	ppm
3	Ba 233.527	14248.6	14683.4	0.1357	mg/L	27.13	ppm
3	Be 313.107	-4489.3	-2103.2	-0.0009	mg/L	-0.1721	ppm
3	Ca 227.547	543.8	584.5	7.113	mg/L	1423	ppm
3	Cd 228.802	124.0	-6.4	-0.0002	mg/L	-0.0312	ppm
3	Co 228.616	635.4	561.5	0.0156	mg/L	3.113	ppm
3	Cr 267.716	2342.6	2423.4	0.0540	mg/L	10.81	ppm
3	Cu 324.754	2305.9	1782.6	0.0160	mg/L	3.197	ppm
3	Fe 273.955	866693.8	866888.9	41.70	mg/L	8340	ppm
3	K 766.491	501791.8	494026.6	9.154	mg/L	1831	ppm
3	Mg 279.079	113155.0	114233.9	12.01	mg/L	2402	ppm
3	Mn 257.610	154469.0	157950.9	0.3768	mg/L	75.37	ppm
3	Mo 202.030	-26.4	95.3	0.0071	mg/L	1.419	ppm
3	Na 330.237	2572.0	1250.7	3.209	mg/L	641.9	ppm
3	Ni 231.604	644.8	716.6	0.0181	mg/L	3.617	ppm
3	Pb 220.353	399.7	49.2	0.0042	mg/L	0.8336	ppm
3	Sb 206.833	40.2	-6.3	-0.0051	mg/L	-1.030	ppm

3 Se 196.026	-24.7	-16.9	0.0023	mg/L	0.4624	ppm
3 Tl 190.800	-44.8	-0.2	-0.0001	mg/L	-0.0115	ppm
3 V 292.402	11045.1	10720.2	0.1093	mg/L	21.86	ppm
3 Zn 213.856	5300.5	5350.5	0.1012	mg/L	20.23	ppm

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

ID: 2842-1 S F=200 Seq. No.: 56 Sample No.: 33 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:10:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	8.7	0.0001	0.00115	mg/L	0.0234	0.22990	ppm	983.49%
Al 308.215	246917.9	26.98	0.087	mg/L	5396	17.5	ppm	0.32%
As 188.979	19.7	0.0112	0.00256	mg/L	2.242	0.5129	ppm	22.88%
Ba 233.527	14763.9	0.1364	0.00179	mg/L	27.28	0.357	ppm	1.31%
Be 313.107	-2076.4	-0.0008	0.00001	mg/L	-0.1699	0.00213	ppm	1.25%
Ca 227.547	596.4	7.258	0.2645	mg/L	1452	52.9	ppm	3.64%
Cd 228.802	-5.6	-0.0001	0.00014	mg/L	-0.0270	0.02780	ppm	102.92%
Co 228.616	575.0	0.0159	0.00038	mg/L	3.188	0.0760	ppm	2.38%
Cr 267.716	2459.0	0.0548	0.00086	mg/L	10.96	0.172	ppm	1.57%
Cu 324.754	1891.6	0.0170	0.00108	mg/L	3.392	0.2153	ppm	6.35%
Fe 273.955	872328.6	41.96	0.408	mg/L	8392	81.6	ppm	0.97%
K 766.491	483868.9	8.979	0.2804	mg/L	1796	56.1	ppm	3.12%
Mg 279.079	115714.1	12.17	0.224	mg/L	2434	44.8	ppm	1.84%
Mn 257.610	159395.7	0.3803	0.00475	mg/L	76.06	0.951	ppm	1.25%
Mo 202.030	101.4	0.0076	0.00040	mg/L	1.511	0.0799	ppm	5.29%
Na 330.237	1246.5	3.200	0.1605	mg/L	639.9	32.09	ppm	5.01%
Ni 231.604	726.9	0.0183	0.00026	mg/L	3.669	0.0514	ppm	1.40%
Pb 220.353	69.2	0.0055	0.00119	mg/L	1.109	0.2388	ppm	21.53%
Sb 206.833	-4.3	-0.0044	0.00137	mg/L	-0.8722	0.27442	ppm	31.46%
Se 196.026	-12.8	0.0036	0.00274	mg/L	0.7258	0.54791	ppm	75.49%
Tl 190.800	-5.0	-0.0016	0.00244	mg/L	-0.3245	0.48894	ppm	150.69%
V 292.402	10618.2	0.1083	0.00099	mg/L	21.65	0.198	ppm	0.92%
Zn 213.856	5402.7	0.1021	0.00110	mg/L	20.43	0.220	ppm	1.08%

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

ID: 2842-1 D F=200 Date: 04/25/03 02:14:04 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-295.0	125.7	0.0017	mg/L	0.3370	ppm
1	Al 308.215	278274.2	277876.0	30.37	mg/L	6073	ppm
1	As 188.979	7.9	13.5	0.0093	mg/L	1.850	ppm
1	Ba 233.527	15864.5	16299.2	0.1506	mg/L	30.12	ppm
1	Be 313.107	-3200.6	-814.5	-0.0003	mg/L	-0.0667	ppm
1	Ca 227.547	560.5	601.1	7.316	mg/L	1463	ppm
1	Cd 228.802	123.3	-7.2	-0.0002	mg/L	-0.0346	ppm
1	Co 228.616	674.8	600.9	0.0167	mg/L	3.332	ppm
1	Cr 267.716	2572.4	2653.2	0.0592	mg/L	11.83	ppm
1	Cu 324.754	2405.1	1881.8	0.0169	mg/L	3.375	ppm
1	Fe 273.955	953888.4	954083.5	45.89	mg/L	9179	ppm
1	K 766.491	534213.1	526447.9	9.708	mg/L	1942	ppm
1	Mg 279.079	132168.8	133247.6	14.01	mg/L	2802	ppm
1	Mn 257.610	169703.8	173185.7	0.4132	mg/L	82.64	ppm
1	Mo 202.030	-73.6	48.0	0.0036	mg/L	0.7154	ppm
1	Na 330.237	2612.8	1291.5	3.306	mg/L	661.1	ppm
1	Ni 231.604	715.7	787.5	0.0199	mg/L	3.975	ppm
1	Pb 220.353	396.6	46.1	0.0041	mg/L	0.8163	ppm
1	Sb 206.833	39.3	-7.2	-0.0058	mg/L	-1.154	ppm
1	Se 196.026	-16.0	-8.2	0.0057	mg/L	1.148	ppm
1	Tl 190.800	-40.9	3.7	0.0012	mg/L	0.2396	ppm
1	V 292.402	10373.1	10048.2	0.1024	mg/L	20.49	ppm
1	Zn 213.856	5749.7	5799.7	0.1096	mg/L	21.93	ppm
2	Ag 328.068	-403.2	17.4	0.0002	mg/L	0.0467	ppm
2	Al 308.215	267726.2	267328.0	29.21	mg/L	5843	ppm
2	As 188.979	6.9	12.4	0.0087	mg/L	1.732	ppm
2	Ba 233.527	15157.5	15592.3	0.1441	mg/L	28.81	ppm
2	Be 313.107	-3093.9	-707.8	-0.0003	mg/L	-0.0579	ppm
2	Ca 227.547	559.9	600.6	7.309	mg/L	1462	ppm
2	Cd 228.802	129.2	-1.2	0.0000	mg/L	-0.0059	ppm

2 Co 228.616	683.5	609.7	0.0169 mg/L	3.380 ppm
2 Cr 267.716	2548.2	2629.0	0.0586 mg/L	11.72 ppm
2 Cu 324.754	2374.1	1850.7	0.0166 mg/L	3.319 ppm
2 Fe 273.955	908484.0	908679.1	43.71 mg/L	8742 ppm
2 K 766.491	535091.9	527326.7	9.723 mg/L	1945 ppm
2 Mg 279.079	124128.0	125206.9	13.17 mg/L	2633 ppm
2 Mn 257.610	160676.4	164158.3	0.3916 mg/L	78.33 ppm
2 Mo 202.030	-67.1	54.6	0.0041 mg/L	0.8130 ppm
2 Na 330.237	2716.1	1394.8	3.549 mg/L	709.8 ppm
2 Ni 231.604	721.1	793.0	0.0200 mg/L	4.003 ppm
2 Pb 220.353	418.6	68.1	0.0056 mg/L	1.118 ppm
2 Sb 206.833	41.5	-5.0	-0.0047 mg/L	-0.9498 ppm
2 Se 196.026	-20.3	-12.5	0.0040 mg/L	0.8050 ppm
2 Tl 190.800	-50.2	-5.7	-0.0019 mg/L	-0.3711 ppm
2 V 292.402	10128.6	9803.8	0.0999 mg/L	19.99 ppm
2 Zn 213.856	5715.4	5765.4	0.1090 mg/L	21.80 ppm
3 Ag 328.068	-410.2	10.5	0.0001 mg/L	0.0281 ppm
3 Al 308.215	269446.6	269048.4	29.40 mg/L	5880 ppm
3 As 188.979	6.7	12.2	0.0086 mg/L	1.716 ppm
3 Ba 233.527	15146.3	15581.1	0.1439 mg/L	28.79 ppm
3 Be 313.107	-3205.3	-819.2	-0.0003 mg/L	-0.0671 ppm
3 Ca 227.547	562.2	602.9	7.337 mg/L	1467 ppm
3 Cd 228.802	126.9	-3.6	-0.0001 mg/L	-0.0173 ppm
3 Co 228.616	641.1	567.3	0.0157 mg/L	3.145 ppm
3 Cr 267.716	2466.2	2546.9	0.0568 mg/L	11.36 ppm
3 Cu 324.754	2363.2	1839.9	0.0165 mg/L	3.299 ppm
3 Fe 273.955	905241.2	905436.3	43.55 mg/L	8711 ppm
3 K 766.491	559440.8	551675.6	10.14 mg/L	2027 ppm
3 Mg 279.079	123565.7	124644.5	13.11 mg/L	2621 ppm
3 Mn 257.610	159350.2	162832.1	0.3885 mg/L	77.69 ppm
3 Mo 202.030	-56.7	65.0	0.0048 mg/L	0.9678 ppm
3 Na 330.237	2981.3	1660.0	4.174 mg/L	834.8 ppm
3 Ni 231.604	687.3	759.1	0.0192 mg/L	3.832 ppm
3 Pb 220.353	405.8	55.3	0.0047 mg/L	0.9451 ppm
3 Sb 206.833	35.5	-11.1	-0.0072 mg/L	-1.431 ppm
3 Se 196.026	-6.1	1.7	0.0084 mg/L	1.670 ppm
3 Tl 190.800	-52.7	-8.1	-0.0027 mg/L	-0.5317 ppm
3 V 292.402	10274.6	9949.8	0.1014 mg/L	20.29 ppm
3 Zn 213.856	5563.5	5613.4	0.1061 mg/L	21.23 ppm

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

ID: 2842-1 D F=200 Seq. No.: 57 Sample No.: 34 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:14:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	51.2	0.0007	0.00087	mg/L	0.1373	0.17319	ppm	126.17%
Al 308.215	271417.5	29.66	0.618	mg/L	5932	123.7	ppm	2.08%
As 188.979	12.7	0.0088	0.00037	mg/L	1.766	0.0735	ppm	4.16%
Ba 233.527	15824.2	0.1462	0.00380	mg/L	29.24	0.760	ppm	2.60%
Be 313.107	-780.5	-0.0003	0.00003	mg/L	-0.0639	0.00516	ppm	8.07%
Ca 227.547	601.5	7.320	0.0144	mg/L	1464	2.9	ppm	0.20%
Cd 228.802	-4.0	-0.0001	0.00007	mg/L	-0.0193	0.01447	ppm	75.03%
Co 228.616	592.6	0.0164	0.00062	mg/L	3.286	0.1241	ppm	3.78%
Cr 267.716	2609.7	0.0582	0.00124	mg/L	11.64	0.248	ppm	2.13%
Cu 324.754	1857.5	0.0167	0.00019	mg/L	3.331	0.0390	ppm	1.17%
Fe 273.955	922732.9	44.39	1.308	mg/L	8877	261.7	ppm	2.95%
K 766.491	535150.1	9.856	0.2429	mg/L	1971	48.6	ppm	2.46%
Mg 279.079	127699.7	13.43	0.506	mg/L	2686	101.2	ppm	3.77%
Mn 257.610	166725.4	0.3978	0.01344	mg/L	79.55	2.688	ppm	3.38%
Mo 202.030	55.9	0.0042	0.00064	mg/L	0.8321	0.12724	ppm	15.29%
Na 330.237	1448.8	3.676	0.4478	mg/L	735.2	89.56	ppm	12.18%
Ni 231.604	779.9	0.0197	0.00046	mg/L	3.937	0.0918	ppm	2.33%
Pb 220.353	56.5	0.0048	0.00076	mg/L	0.9598	0.15142	ppm	15.78%
Sb 206.833	-7.8	-0.0059	0.00121	mg/L	-1.178	0.2416	ppm	20.50%
Se 196.026	-6.4	0.0060	0.00218	mg/L	1.208	0.4358	ppm	36.08%
Tl 190.800	-3.4	-0.0011	0.00203	mg/L	-0.2211	0.40699	ppm	184.10%
V 292.402	9934.0	0.1013	0.00125	mg/L	20.25	0.251	ppm	1.24%
Zn 213.856	5726.2	0.1083	0.00187	mg/L	21.65	0.375	ppm	1.73%

Matrix Check Sample: 2842-1 D F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	Relative % Diff.
Ag 328.068	0.0001	0.0007	0.001	mg/L	141.795
Al 308.215	26.98	29.66	0.618	mg/L	9.453
As 188.979	0.0112	0.0088	0.000	mg/L	23.757
Ba 233.527	0.1364	0.1462	0.004	mg/L	6.933
Be 313.107	-0.0008	-0.0003	0.000	mg/L	-90.721
Ca 227.547	7.258	7.320	0.014	mg/L	0.854
Cd 228.802	-0.0001	-0.0001	0.000	mg/L	-33.406
Co 228.616	0.0159	0.0164	0.001	mg/L	3.021
Cr 267.716	0.0548	0.0582	0.001	mg/L	5.947
Cu 324.754	0.0170	0.0167	0.000	mg/L	1.822
Fe 273.955	41.96	44.39	1.308	mg/L	5.616
K 766.491	8.979	9.856	0.243	mg/L	9.313
Mg 279.079	12.17	13.43	0.506	mg/L	9.848
Mn 257.610	0.3803	0.3978	0.013	mg/L	4.495
Mo 202.030	0.0076	0.0042	0.001	mg/L	57.927
Na 330.237	3.200	3.676	0.448	mg/L	13.865
Ni 231.604	0.0183	0.0197	0.000	mg/L	7.034
Pb 220.353	0.0055	0.0048	0.001	mg/L	14.452
Sb 206.833	-0.0044	-0.0059	0.001	mg/L	-29.875
Se 196.026	0.0036	0.0060	0.002	mg/L	49.859
Tl 190.800	-0.0016	-0.0011	0.002	mg/L	-37.907
V 292.402	0.1083	0.1013	0.001	mg/L	6.659
Zn 213.856	0.1021	0.1083	0.002	mg/L	5.813

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

ID: 2842-1 1/5 F=1000 Date: 04/25/03 02:17:33 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-491.7	-71.0	-0.0010	mg/L	-0.9525	ppm
1	Al 308.215	51606.8	51208.6	5.596	mg/L	5596	ppm
1	As 188.979	-4.5	1.0	0.0004	mg/L	0.3777	ppm
1	Ba 233.527	2565.2	3000.0	0.0277	mg/L	27.72	ppm
1	Be 313.107	-2833.0	-446.9	-0.0002	mg/L	-0.1829	ppm
1	Ca 227.547	68.6	109.3	1.330	mg/L	1330	ppm
1	Cd 228.802	137.4	6.9	0.0002	mg/L	0.1679	ppm
1	Co 228.616	199.2	125.4	0.0035	mg/L	3.476	ppm
1	Cr 267.716	439.8	520.6	0.0116	mg/L	11.61	ppm
1	Cu 324.754	813.5	290.2	0.0026	mg/L	2.602	ppm
1	Fe 273.955	181656.0	181851.1	8.748	mg/L	8748	ppm
1	K 766.491	87620.9	79855.7	1.598	mg/L	1598	ppm
1	Mg 279.079	23010.8	24089.7	2.533	mg/L	2533	ppm
1	Mn 257.610	30176.4	33658.2	0.0803	mg/L	80.30	ppm
1	Mo 202.030	-102.5	19.2	0.0014	mg/L	1.429	ppm
1	Na 330.237	1592.4	271.1	0.8951	mg/L	895.1	ppm
1	Ni 231.604	67.2	139.1	0.0035	mg/L	3.510	ppm
1	Pb 220.353	358.0	7.5	0.0005	mg/L	0.5191	ppm
1	Sb 206.833	46.2	-0.3	-0.0001	mg/L	-0.1328	ppm
1	Se 196.026	-10.2	-2.4	-0.0007	mg/L	-0.7346	ppm
1	Tl 190.800	-34.3	10.3	0.0034	mg/L	3.375	ppm
1	V 292.402	2337.0	2012.2	0.0205	mg/L	20.51	ppm
1	Zn 213.856	1098.3	1148.3	0.0217	mg/L	21.71	ppm
2	Ag 328.068	-277.9	142.8	0.0019	mg/L	1.914	ppm
2	Al 308.215	47560.8	47162.6	5.154	mg/L	5154	ppm
2	As 188.979	-18.2	-12.7	-0.0047	mg/L	-4.724	ppm
2	Ba 233.527	2446.9	2881.7	0.0266	mg/L	26.62	ppm
2	Be 313.107	-2936.4	-550.3	-0.0002	mg/L	-0.2252	ppm
2	Ca 227.547	81.4	122.1	1.486	mg/L	1486	ppm
2	Cd 228.802	130.5	0.1	0.0000	mg/L	0.0018	ppm
2	Co 228.616	189.8	115.9	0.0032	mg/L	3.213	ppm
2	Cr 267.716	417.0	497.8	0.0111	mg/L	11.10	ppm
2	Cu 324.754	792.1	268.7	0.0024	mg/L	2.409	ppm
2	Fe 273.955	170148.7	170343.8	8.194	mg/L	8194	ppm
2	K 766.491	87251.6	79486.3	1.590	mg/L	1590	ppm
2	Mg 279.079	20606.0	21684.8	2.280	mg/L	2280	ppm
2	Mn 257.610	27398.6	30880.4	0.0737	mg/L	73.67	ppm
2	Mo 202.030	-103.6	18.1	0.0013	mg/L	1.349	ppm

2	Na 330.237	1409.4	88.1	0.4620	mg/L	462.0 ppm
2	Ni 231.604	49.3	121.1	0.0031	mg/L	3.057 ppm
2	Pb 220.353	340.5	-10.0	-0.0007	mg/L	-0.6956 ppm
2	Sb 206.833	35.4	-11.2	-0.0045	mg/L	-4.464 ppm
2	Se 196.026	-1.3	6.5	0.0020	mg/L	1.994 ppm
2	Tl 190.800	-44.7	-0.1	0.0000	mg/L	-0.0306 ppm
2	V 292.402	2290.5	1965.7	0.0200	mg/L	20.04 ppm
2	Zn 213.856	1084.5	1134.4	0.0214	mg/L	21.45 ppm
3	Ag 328.068	-312.4	108.3	0.0015	mg/L	1.451 ppm
3	Al 308.215	45630.9	45232.7	4.943	mg/L	4943 ppm
3	As 188.979	-9.7	-4.2	-0.0016	mg/L	-1.550 ppm
3	Ba 233.527	2422.5	2857.2	0.0264	mg/L	26.40 ppm
3	Be 313.107	-2786.9	-400.8	-0.0002	mg/L	-0.1640 ppm
3	Ca 227.547	70.4	111.1	1.352	mg/L	1352 ppm
3	Cd 228.802	123.3	-7.1	-0.0002	mg/L	-0.1715 ppm
3	Co 228.616	184.3	110.5	0.0031	mg/L	3.062 ppm
3	Cr 267.716	408.7	489.5	0.0109	mg/L	10.91 ppm
3	Cu 324.754	896.4	373.0	0.0033	mg/L	3.345 ppm
3	Fe 273.955	164500.0	164695.1	7.922	mg/L	7922 ppm
3	K 766.491	82102.1	74336.9	1.490	mg/L	1490 ppm
3	Mg 279.079	19594.3	20673.1	2.174	mg/L	2174 ppm
3	Mn 257.610	26074.0	29555.8	0.0705	mg/L	70.51 ppm
3	Mo 202.030	-93.6	28.1	0.0021	mg/L	2.091 ppm
3	Na 330.237	1273.7	-47.6	0.1404	mg/L	140.4 ppm
3	Ni 231.604	77.8	149.7	0.0038	mg/L	3.778 ppm
3	Pb 220.353	352.1	1.6	0.0001	mg/L	0.1108 ppm
3	Sb 206.833	23.6	-22.9	-0.0091	mg/L	-9.143 ppm
3	Se 196.026	-8.8	-1.0	-0.0003	mg/L	-0.3106 ppm
3	Tl 190.800	-35.8	8.8	0.0029	mg/L	2.889 ppm
3	V 292.402	2166.8	1842.0	0.0188	mg/L	18.78 ppm
3	Zn 213.856	1052.9	1102.9	0.0209	mg/L	20.85 ppm

Mean Data

ID: 2842-1 1/5 F=1000 Seq. No.: 58 Sample No.: 35 A/S Pos: 44
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1000.0
Data: Original Date: 04/25/03 02:17:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	60.0	0.0008	0.00154	mg/L	0.8044	1.53904	ppm	191.33%
Al 308.215	47868.0	5.231	0.3333	mg/L	5231	333.3	ppm	6.37%
As 188.979	-5.3	-0.0020	0.00258	mg/L	-1.966	2.5763	ppm	131.07%
Ba 233.527	2913.0	0.0269	0.00071	mg/L	26.91	0.705	ppm	2.62%
Be 313.107	-466.0	-0.0002	0.00003	mg/L	-0.1907	0.03133	ppm	16.43%
Ca 227.547	114.2	1.389	0.0841	mg/L	1389	84.1	ppm	6.06%
Cd 228.802	-0.0	0.0000	0.00017	mg/L	-0.0006	0.16969	ppm	>999.9%
Co 228.616	117.2	0.0033	0.00021	mg/L	3.250	0.2093	ppm	6.44%
Cr 267.716	502.6	0.0112	0.00036	mg/L	11.21	0.359	ppm	3.21%
Cu 324.754	310.7	0.0028	0.00049	mg/L	2.785	0.4939	ppm	17.73%
Fe 273.955	172296.7	8.288	0.4206	mg/L	8288	420.6	ppm	5.07%
K 766.491	77893.0	1.559	0.0601	mg/L	1559	60.1	ppm	3.85%
Mg 279.079	22149.2	2.329	0.1845	mg/L	2329	184.5	ppm	7.92%
Mn 257.610	31364.8	0.0748	0.00499	mg/L	74.83	4.995	ppm	6.68%
Mo 202.030	21.8	0.0016	0.00041	mg/L	1.623	0.4074	ppm	25.10%
Na 330.237	103.9	0.4991	0.37871	mg/L	499.1	378.71	ppm	75.87%
Ni 231.604	136.6	0.0034	0.00036	mg/L	3.448	0.3643	ppm	10.56%
Pb 220.353	-0.3	0.0000	0.00062	mg/L	-0.0219	0.61810	ppm	>999.9%
Sb 206.833	-11.5	-0.0046	0.00451	mg/L	-4.580	4.5063	ppm	98.39%
Se 196.026	1.0	0.0003	0.00147	mg/L	0.3164	1.46859	ppm	464.14%
Tl 190.800	6.3	0.0021	0.00184	mg/L	2.078	1.8419	ppm	88.65%
V 292.402	1940.0	0.0198	0.00090	mg/L	19.78	0.897	ppm	4.54%
Zn 213.856	1128.5	0.0213	0.00044	mg/L	21.34	0.440	ppm	2.06%

Replicate Data

ID: 2842-1 MS F=200 Date: 04/25/03 02:21:06 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	14084.9	14505.6	0.1945	mg/L	38.89	ppm
1	Al 308.215	235106.8	234708.6	25.65	mg/L	5130	ppm
1	As 188.979	322.5	328.1	0.1255	mg/L	25.11	ppm

1 Ba 233.527	111823.0	112257.8	1.037 mg/L	207.4 ppm
1 Be 313.107	101023.4	103409.5	0.0423 mg/L	8.464 ppm
1 Ca 227.547	890.7	931.4	11.33 mg/L	2267 ppm
1 Cd 228.802	2416.3	2285.9	0.0553 mg/L	11.06 ppm
1 Co 228.616	8388.9	8315.0	0.2305 mg/L	46.10 ppm
1 Cr 267.716	12508.5	12589.3	0.2807 mg/L	56.13 ppm
1 Cu 324.754	26407.7	25884.3	0.2321 mg/L	46.42 ppm
1 Fe 273.955	824072.3	824267.4	39.65 mg/L	7929 ppm
1 K 766.491	534121.5	526356.3	9.706 mg/L	1941 ppm
1 Mg 279.079	131160.8	132239.6	13.91 mg/L	2781 ppm
1 Mn 257.610	236578.7	240060.5	0.5727 mg/L	114.5 ppm
1 Mo 202.030	6175.7	6297.4	0.4689 mg/L	93.79 ppm
1 Na 330.237	6196.6	4875.3	11.70 mg/L	2340 ppm
1 Ni 231.604	9195.6	9267.4	0.2339 mg/L	46.78 ppm
1 Pb 220.353	10284.3	9933.8	0.6892 mg/L	137.8 ppm
1 Sb 206.833	321.9	275.4	0.1074 mg/L	21.48 ppm
1 Se 196.026	372.5	380.3	0.1239 mg/L	24.79 ppm
1 Tl 190.800	296.3	340.9	0.1126 mg/L	22.51 ppm
1 V 292.402	54488.6	54163.8	0.5522 mg/L	110.4 ppm
1 Zn 213.856	10931.3	10981.2	0.2076 mg/L	41.52 ppm
2 Ag 328.068	13521.5	13942.2	0.1869 mg/L	37.38 ppm
2 Al 308.215	224883.5	224485.3	24.53 mg/L	4906 ppm
2 As 188.979	324.2	329.7	0.1260 mg/L	25.19 ppm
2 Ba 233.527	106002.0	106436.7	0.9833 mg/L	196.7 ppm
2 Be 313.107	96550.5	98936.7	0.0405 mg/L	8.098 ppm
2 Ca 227.547	847.2	887.9	10.80 mg/L	2161 ppm
2 Cd 228.802	2406.2	2275.8	0.0550 mg/L	11.01 ppm
2 Co 228.616	8253.9	8180.0	0.2268 mg/L	45.35 ppm
2 Cr 267.716	11946.0	12026.8	0.2681 mg/L	53.63 ppm
2 Cu 324.754	25678.5	25155.1	0.2256 mg/L	45.11 ppm
2 Fe 273.955	786575.6	786770.7	37.84 mg/L	7569 ppm
2 K 766.491	545891.4	538126.2	9.906 mg/L	1981 ppm
2 Mg 279.079	124037.2	125116.0	13.16 mg/L	2631 ppm
2 Mn 257.610	225043.5	228525.3	0.5452 mg/L	109.0 ppm
2 Mo 202.030	6106.5	6228.1	0.4638 mg/L	92.75 ppm
2 Na 330.237	5877.8	4556.5	10.96 mg/L	2191 ppm
2 Ni 231.604	9041.3	9113.1	0.2300 mg/L	46.00 ppm
2 Pb 220.353	10137.7	9787.2	0.6790 mg/L	135.8 ppm
2 Sb 206.833	305.6	259.1	0.1010 mg/L	20.20 ppm
2 Se 196.026	368.7	376.5	0.1225 mg/L	24.49 ppm
2 Tl 190.800	300.7	345.3	0.1140 mg/L	22.79 ppm
2 V 292.402	52402.3	52077.5	0.5309 mg/L	106.2 ppm
2 Zn 213.856	10785.2	10835.1	0.2048 mg/L	40.97 ppm
3 Ag 328.068	13181.8	13602.4	0.1824 mg/L	36.47 ppm
3 Al 308.215	218187.2	217789.0	23.80 mg/L	4760 ppm
3 As 188.979	328.8	334.3	0.1276 mg/L	25.52 ppm
3 Ba 233.527	102952.6	103387.4	0.9552 mg/L	191.0 ppm
3 Be 313.107	93403.2	95789.3	0.0392 mg/L	7.840 ppm
3 Ca 227.547	867.7	908.4	11.05 mg/L	2211 ppm
3 Cd 228.802	2406.8	2276.4	0.0551 mg/L	11.01 ppm
3 Co 228.616	8182.6	8108.8	0.2248 mg/L	44.96 ppm
3 Cr 267.716	11635.3	11716.1	0.2612 mg/L	52.24 ppm
3 Cu 324.754	24744.9	24221.6	0.2172 mg/L	43.44 ppm
3 Fe 273.955	764744.6	764939.7	36.79 mg/L	7359 ppm
3 K 766.491	534468.3	526703.1	9.712 mg/L	1942 ppm
3 Mg 279.079	119713.0	120791.8	12.70 mg/L	2540 ppm
3 Mn 257.610	218122.1	221604.0	0.5287 mg/L	105.7 ppm
3 Mo 202.030	6107.5	6229.2	0.4639 mg/L	92.77 ppm
3 Na 330.237	5907.2	4585.9	11.02 mg/L	2205 ppm
3 Ni 231.604	9014.4	9086.2	0.2293 mg/L	45.87 ppm
3 Pb 220.353	10157.3	9806.8	0.6804 mg/L	136.1 ppm
3 Sb 206.833	293.6	247.0	0.0963 mg/L	19.25 ppm
3 Se 196.026	386.8	394.6	0.1278 mg/L	25.56 ppm
3 Tl 190.800	290.2	334.8	0.1105 mg/L	22.10 ppm
3 V 292.402	50942.5	50617.7	0.5160 mg/L	103.2 ppm
3 Zn 213.856	10805.0	10855.0	0.2052 mg/L	41.04 ppm

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

ID: 2842-1 MS F=200 Seq. No.: 59 Sample No.: 36 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:21:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	14016.7	0.1879	0.00612	mg/L	37.58	1.223	ppm	3.25%
Al 308.215	225661.0	24.66	0.931	mg/L	4932	186.2	ppm	3.78%
As 188.979	330.7	0.1264	0.00109	mg/L	25.27	0.218	ppm	0.86%
Ba 233.527	107360.6	0.9919	0.04164	mg/L	198.4	8.33	ppm	4.20%
Be 313.107	99378.5	0.0407	0.00157	mg/L	8.134	0.3134	ppm	3.85%
Ca 227.547	909.2	11.06	0.265	mg/L	2213	53.0	ppm	2.39%
Cd 228.802	2279.3	0.0551	0.00014	mg/L	11.02	0.028	ppm	0.25%
Co 228.616	8201.3	0.2274	0.00290	mg/L	45.47	0.581	ppm	1.28%
Cr 267.716	12110.7	0.2700	0.00987	mg/L	54.00	1.973	ppm	3.65%
Cu 324.754	25087.0	0.2249	0.00747	mg/L	44.99	1.495	ppm	3.32%
Fe 273.955	791992.6	38.09	1.443	mg/L	7619	288.7	ppm	3.79%
K 766.491	530395.2	9.775	0.1138	mg/L	1955	22.8	ppm	1.16%
Mg 279.079	126049.2	13.25	0.608	mg/L	2651	121.6	ppm	4.59%
Mn 257.610	230063.3	0.5489	0.02224	mg/L	109.8	4.45	ppm	4.05%
Mo 202.030	6251.6	0.4655	0.00296	mg/L	93.10	0.591	ppm	0.63%
Na 330.237	4672.6	11.23	0.410	mg/L	2245	82.0	ppm	3.65%
Ni 231.604	9155.6	0.2311	0.00247	mg/L	46.22	0.494	ppm	1.07%
Pb 220.353	9842.6	0.6829	0.00554	mg/L	136.6	1.11	ppm	0.81%
Sb 206.833	260.5	0.1016	0.00559	mg/L	20.31	1.119	ppm	5.51%
Se 196.026	383.8	0.1247	0.00277	mg/L	24.95	0.554	ppm	2.22%
Tl 190.800	340.3	0.1124	0.00173	mg/L	22.47	0.346	ppm	1.54%
V 292.402	52286.3	0.5331	0.01817	mg/L	106.6	3.63	ppm	3.41%
Zn 213.856	10890.5	0.2059	0.00150	mg/L	41.18	0.300	ppm	0.73%

Matrix Check Sample: 2842-1 MS F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.1879	0.006	mg/L	18.780
Al 308.215	28.98	24.66	0.931	mg/L	-116.145
As 188.979	0.5112	0.1264	0.001	mg/L	23.030
Ba 233.527	4.136	0.9919	0.042	mg/L	21.387
Be 313.107	0.1992	0.0407	0.002	mg/L	20.759
Ca 227.547	27.26	11.06	0.265	mg/L	19.031
Cd 228.802	0.2499	0.0551	0.000	mg/L	22.103
Co 228.616	1.016	0.2274	0.003	mg/L	21.141
Cr 267.716	1.055	0.2700	0.010	mg/L	21.518
Cu 324.754	1.017	0.2249	0.007	mg/L	20.798
Fe 273.955	42.96	38.09	1.443	mg/L	-386.643
K 766.491	13.98	9.775	0.114	mg/L	15.928
Mg 279.079	22.17	13.25	0.608	mg/L	10.868
Mn 257.610	1.380	0.5489	0.022	mg/L	16.859
Mo 202.030	2.008	0.4655	0.003	mg/L	22.898
Na 330.237	43.20	11.23	0.410	mg/L	20.066
Ni 231.604	1.018	0.2311	0.002	mg/L	21.273
Pb 220.353	3.006	0.6829	0.006	mg/L	22.577
Sb 206.833	0.4956	0.1016	0.006	mg/L	21.182
Se 196.026	0.5036	0.1247	0.003	mg/L	24.222
Tl 190.800	0.4984	0.1124	0.002	mg/L	22.795
V 292.402	2.108	0.5331	0.018	mg/L	21.240
Zn 213.856	0.6021	0.2059	0.001	mg/L	20.750

Replicate Data
ID: 2842-1 MSD F=200 Date: 04/25/03 02:24:37 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	14328.2	14748.8	0.1977	mg/L	39.55	ppm
1	Al 308.215	237651.2	237253.0	25.93	mg/L	5185	ppm
1	As 188.979	333.1	338.6	0.1295	mg/L	25.90	ppm
1	Ba 233.527	114545.2	114980.0	1.062	mg/L	212.5	ppm
1	Be 313.107	103263.2	105649.3	0.0432	mg/L	8.647	ppm
1	Ca 227.547	902.5	943.2	11.48	mg/L	2296	ppm
1	Cd 228.802	2527.6	2397.1	0.0580	mg/L	11.59	ppm
1	Co 228.616	8682.5	8608.7	0.2386	mg/L	47.73	ppm
1	Cr 267.716	12679.1	12759.8	0.2845	mg/L	56.89	ppm
1	Cu 324.754	27000.7	26477.4	0.2374	mg/L	47.48	ppm
1	Fe 273.955	844105.7	844300.8	40.61	mg/L	8122	ppm

1	K 766.491	540754.4	532989.2	9.819	mg/L	1964 ppm
1	Mg 279.079	135133.2	136212.0	14.32	mg/L	2865 ppm
1	Mn 257.610	243321.3	246803.2	0.5888	mg/L	117.8 ppm
1	Mo 202.030	6383.8	6505.5	0.4844	mg/L	96.88 ppm
1	Na 330.237	6326.2	5004.9	12.00	mg/L	2400 ppm
1	Ni 231.604	9540.6	9612.5	0.2426	mg/L	48.52 ppm
1	Pb 220.353	10590.3	10239.8	0.7104	mg/L	142.1 ppm
1	Sb 206.833	335.6	289.1	0.1128	mg/L	22.56 ppm
1	Se 196.026	378.4	386.2	0.1259	mg/L	25.19 ppm
1	Tl 190.800	323.0	367.6	0.1213	mg/L	24.27 ppm
1	V 292.402	55565.5	55240.7	0.5632	mg/L	112.6 ppm
1	Zn 213.856	11312.7	11362.7	0.2148	mg/L	42.96 ppm
2	Ag 328.068	14084.3	14505.0	0.1945	mg/L	38.89 ppm
2	Al 308.215	231933.4	231535.2	25.30	mg/L	5060 ppm
2	As 188.979	325.5	331.0	0.1266	mg/L	25.31 ppm
2	Ba 233.527	109528.4	109963.2	1.016	mg/L	203.2 ppm
2	Be 313.107	99672.1	102058.2	0.0418	mg/L	8.353 ppm
2	Ca 227.547	886.5	927.1	11.28	mg/L	2257 ppm
2	Cd 228.802	2467.5	2337.1	0.0565	mg/L	11.30 ppm
2	Co 228.616	8455.3	8381.5	0.2323	mg/L	46.47 ppm
2	Cr 267.716	12204.0	12284.8	0.2739	mg/L	54.78 ppm
2	Cu 324.754	26389.9	25866.6	0.2319	mg/L	46.39 ppm
2	Fe 273.955	812256.2	812451.3	39.08	mg/L	7816 ppm
2	K 766.491	568885.9	561120.7	10.30	mg/L	2059 ppm
2	Mg 279.079	128382.4	129461.2	13.61	mg/L	2723 ppm
2	Mn 257.610	233245.5	236727.4	0.5648	mg/L	113.0 ppm
2	Mo 202.030	6280.1	6401.8	0.4767	mg/L	95.34 ppm
2	Na 330.237	6010.5	4689.2	11.26	mg/L	2253 ppm
2	Ni 231.604	9302.6	9374.4	0.2366	mg/L	47.32 ppm
2	Pb 220.353	10439.8	10089.3	0.7000	mg/L	140.0 ppm
2	Sb 206.833	314.4	267.8	0.1044	mg/L	20.88 ppm
2	Se 196.026	376.7	384.5	0.1251	mg/L	25.03 ppm
2	Tl 190.800	317.3	361.9	0.1194	mg/L	23.89 ppm
2	V 292.402	54089.2	53764.4	0.5481	mg/L	109.6 ppm
2	Zn 213.856	11103.3	11153.3	0.2109	mg/L	42.17 ppm
3	Ag 328.068	13648.4	14069.0	0.1886	mg/L	37.72 ppm
3	Al 308.215	227389.0	226990.8	24.80	mg/L	4961 ppm
3	As 188.979	330.8	336.4	0.1285	mg/L	25.70 ppm
3	Ba 233.527	106650.6	107085.4	0.9893	mg/L	197.9 ppm
3	Be 313.107	97581.5	99967.7	0.0409	mg/L	8.182 ppm
3	Ca 227.547	871.3	911.9	11.10	mg/L	2220 ppm
3	Cd 228.802	2420.0	2289.6	0.0554	mg/L	11.07 ppm
3	Co 228.616	8313.5	8239.7	0.2284	mg/L	45.68 ppm
3	Cr 267.716	12010.0	12090.8	0.2696	mg/L	53.91 ppm
3	Cu 324.754	25995.3	25471.9	0.2284	mg/L	45.68 ppm
3	Fe 273.955	794034.3	794229.4	38.20	mg/L	7640 ppm
3	K 766.491	568737.6	560972.4	10.29	mg/L	2059 ppm
3	Mg 279.079	124989.9	126068.8	13.26	mg/L	2651 ppm
3	Mn 257.610	228170.2	231652.1	0.5527	mg/L	110.5 ppm
3	Mo 202.030	6186.2	6307.9	0.4697	mg/L	93.94 ppm
3	Na 330.237	5827.7	4506.4	10.84	mg/L	2168 ppm
3	Ni 231.604	9133.6	9205.5	0.2323	mg/L	46.47 ppm
3	Pb 220.353	10291.4	9940.9	0.6897	mg/L	137.9 ppm
3	Sb 206.833	304.6	258.0	0.1006	mg/L	20.11 ppm
3	Se 196.026	366.0	373.8	0.1217	mg/L	24.34 ppm
3	Tl 190.800	306.6	351.1	0.1159	mg/L	23.18 ppm
3	V 292.402	53125.4	52800.6	0.5383	mg/L	107.7 ppm
3	Zn 213.856	10925.4	10975.4	0.2075	mg/L	41.50 ppm

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

ID: 2842-1 MSD F=200 Seq. No.: 60 Sample No.: 37 A/S Pos: 46
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:24:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ag 328.068	14440.9	0.1936	0.00462	mg/L	38.72	0.923	ppm	2.38%
Al 308.215	231926.3	25.34	0.562	mg/L	5069	112.4	ppm	2.22%
As 188.979	335.3	0.1282	0.00151	mg/L	25.64	0.301	ppm	1.17%
Ba 233.527	110676.2	1.022	0.0369	mg/L	204.5	7.38	ppm	3.61%
Be 313.107	102558.4	0.0420	0.00118	mg/L	8.394	0.2352	ppm	2.80%

Ca 227.547	927.4	11.29	0.190	mg/L	2257	38.0	ppm	1.68%
Cd 228.802	2341.3	0.0566	0.00130	mg/L	11.32	0.261	ppm	2.30%
Co 228.616	8409.9	0.2331	0.00516	mg/L	46.63	1.032	ppm	2.21%
Cr 267.716	12378.5	0.2760	0.00767	mg/L	55.19	1.535	ppm	2.78%
Cu 324.754	25938.6	0.2326	0.00454	mg/L	46.52	0.908	ppm	1.95%
Fe 273.955	816993.8	39.30	1.219	mg/L	7859	243.8	ppm	3.10%
K 766.491	551694.1	10.14	0.274	mg/L	2027	54.9	ppm	2.71%
Mg 279.079	130580.7	13.73	0.543	mg/L	2746	108.6	ppm	3.95%
Mn 257.610	238394.2	0.5687	0.01840	mg/L	113.7	3.68	ppm	3.23%
Mo 202.030	6405.0	0.4769	0.00736	mg/L	95.39	1.472	ppm	1.54%
Na 330.237	4733.5	11.37	0.587	mg/L	2274	117.4	ppm	5.16%
Ni 231.604	9397.5	0.2372	0.00516	mg/L	47.44	1.032	ppm	2.18%
Pb 220.353	10090.0	0.7000	0.01036	mg/L	140.0	2.07	ppm	1.48%
Sb 206.833	271.6	0.1059	0.00626	mg/L	21.19	1.252	ppm	5.91%
Se 196.026	381.5	0.1243	0.00225	mg/L	24.85	0.449	ppm	1.81%
Tl 190.800	360.2	0.1189	0.00275	mg/L	23.78	0.551	ppm	2.32%
V 292.402	53935.2	0.5499	0.01253	mg/L	110.0	2.51	ppm	2.28%
Zn 213.856	11163.8	0.2111	0.00366	mg/L	42.21	0.733	ppm	1.74%

Matrix Check Sample: 2842-1 MSD F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.1936	0.005	mg/L	19.349
Al 308.215	28.98	25.34	0.562	mg/L	-81.912
As 188.979	0.5112	0.1282	0.002	mg/L	23.395
Ba 233.527	4.136	1.022	0.037	mg/L	22.153
Be 313.107	0.1992	0.0420	0.001	mg/L	21.410
Ca 227.547	27.26	11.29	0.190	mg/L	20.140
Cd 228.802	0.2499	0.0566	0.001	mg/L	22.702
Co 228.616	1.016	0.2331	0.005	mg/L	21.720
Cr 267.716	1.055	0.2760	0.008	mg/L	22.115
Cu 324.754	1.017	0.2326	0.005	mg/L	21.561
Fe 273.955	42.96	39.30	1.219	mg/L	-266.386
K 766.491	13.98	10.14	0.274	mg/L	23.145
Mg 279.079	22.17	13.73	0.543	mg/L	15.633
Mn 257.610	1.380	0.5687	0.018	mg/L	18.847
Mo 202.030	2.008	0.4769	0.007	mg/L	23.470
Na 330.237	43.20	11.37	0.587	mg/L	20.420
Ni 231.604	1.018	0.2372	0.005	mg/L	21.884
Pb 220.353	3.006	0.7000	0.010	mg/L	23.149
Sb 206.833	0.4956	0.1059	0.006	mg/L	22.057
Se 196.026	0.5036	0.1243	0.002	mg/L	24.126
Tl 190.800	0.4984	0.1189	0.003	mg/L	24.103
V 292.402	2.108	0.5499	0.013	mg/L	22.080
Zn 213.856	0.6021	0.2111	0.004	mg/L	21.784

Replicate Data
ID: 2842-1 PS F=200 Date: 04/25/03 02:28:11 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Conc.	Sample Units
1	Ag 328.068	16561.8	16982.5	0.2277	mg/L	45.54	ppm
1	Al 308.215	249478.6	249080.4	27.22	mg/L	5444	ppm
1	As 188.979	343.5	349.0	0.1335	mg/L	26.70	ppm
1	Ba 233.527	119398.0	119832.8	1.107	mg/L	221.4	ppm
1	Be 313.107	108949.9	111336.0	0.0456	mg/L	9.113	ppm
1	Ca 227.547	913.7	954.3	11.61	mg/L	2323	ppm
1	Cd 228.802	2582.7	2452.3	0.0593	mg/L	11.86	ppm
1	Co 228.616	8930.1	8856.2	0.2455	mg/L	49.10	ppm
1	Cr 267.716	13387.6	13468.4	0.3003	mg/L	60.05	ppm
1	Cu 324.754	28544.6	28021.2	0.2512	mg/L	50.25	ppm
1	Fe 273.955	873942.3	874137.4	42.05	mg/L	8409	ppm
1	K 766.491	563988.9	556223.7	10.21	mg/L	2043	ppm
1	Mg 279.079	138091.6	139170.5	14.63	mg/L	2927	ppm
1	Mn 257.610	248738.9	252220.8	0.6017	mg/L	120.3	ppm
1	Mo 202.030	6600.9	6722.5	0.5006	mg/L	100.1	ppm
1	Na 330.237	6544.4	5223.1	12.51	mg/L	2501	ppm
1	Ni 231.604	9796.4	9868.2	0.2491	mg/L	49.81	ppm
1	Pb 220.353	10907.3	10556.8	0.7324	mg/L	146.5	ppm
1	Sb 206.833	334.1	287.6	0.1121	mg/L	22.42	ppm

1 Se 196.026	403.8	411.6	0.1340 mg/L	26.80 ppm
1 Tl 190.800	323.2	367.8	0.1214 mg/L	24.29 ppm
1 V 292.402	58548.9	58224.1	0.5936 mg/L	118.7 ppm
1 Zn 213.856	11542.1	11592.0	0.2192 mg/L	43.83 ppm
2 Ag 328.068	16492.4	16913.0	0.2267 mg/L	45.35 ppm
2 Al 308.215	244828.3	244430.2	26.71 mg/L	5342 ppm
2 As 188.979	346.2	351.7	0.1344 mg/L	26.88 ppm
2 Ba 233.527	114868.5	115303.3	1.065 mg/L	213.0 ppm
2 Be 313.107	105776.3	108162.4	0.0443 mg/L	8.853 ppm
2 Ca 227.547	920.3	961.0	11.69 mg/L	2339 ppm
2 Cd 228.802	2522.9	2392.5	0.0579 mg/L	11.57 ppm
2 Co 228.616	8641.0	8567.1	0.2375 mg/L	47.50 ppm
2 Cr 267.716	12984.6	13065.4	0.2913 mg/L	58.26 ppm
2 Cu 324.754	28149.4	27626.1	0.2477 mg/L	49.54 ppm
2 Fe 273.955	846315.2	846510.3	40.72 mg/L	8143 ppm
2 K 766.491	609329.5	601564.3	10.97 mg/L	2195 ppm
2 Mg 279.079	132288.7	133367.5	14.02 mg/L	2805 ppm
2 Mn 257.610	239554.0	243035.9	0.5798 mg/L	116.0 ppm
2 Mo 202.030	6439.5	6561.2	0.4886 mg/L	97.71 ppm
2 Na 330.237	6346.5	5025.2	12.05 mg/L	2409 ppm
2 Ni 231.604	9514.3	9586.2	0.2419 mg/L	48.39 ppm
2 Pb 220.353	10653.1	10302.6	0.7148 mg/L	143.0 ppm
2 Sb 206.833	333.2	286.6	0.1118 mg/L	22.36 ppm
2 Se 196.026	395.9	403.7	0.1313 mg/L	26.26 ppm
2 Tl 190.800	322.4	367.0	0.1212 mg/L	24.23 ppm
2 V 292.402	57508.3	57183.4	0.5830 mg/L	116.6 ppm
2 Zn 213.856	11300.2	11350.1	0.2146 mg/L	42.92 ppm
3 Ag 328.068	15329.9	15750.6	0.2112 mg/L	42.23 ppm
3 Al 308.215	231658.0	231259.8	25.27 mg/L	5054 ppm
3 As 188.979	351.4	357.0	0.1362 mg/L	27.23 ppm
3 Ba 233.527	109815.8	110250.6	1.019 mg/L	203.7 ppm
3 Be 313.107	99023.4	101409.5	0.0415 mg/L	8.300 ppm
3 Ca 227.547	896.8	937.5	11.41 mg/L	2282 ppm
3 Cd 228.802	2511.2	2380.8	0.0576 mg/L	11.52 ppm
3 Co 228.616	8666.0	8592.1	0.2382 mg/L	47.64 ppm
3 Cr 267.716	12197.3	12278.1	0.2737 mg/L	54.75 ppm
3 Cu 324.754	26323.9	25800.6	0.2313 mg/L	46.27 ppm
3 Fe 273.955	801010.8	801205.9	38.54 mg/L	7708 ppm
3 K 766.491	551183.1	543417.9	9.996 mg/L	1999 ppm
3 Mg 279.079	125204.8	126283.7	13.28 mg/L	2656 ppm
3 Mn 257.610	226374.4	229856.3	0.5484 mg/L	109.7 ppm
3 Mo 202.030	6497.4	6619.1	0.4929 mg/L	98.58 ppm
3 Na 330.237	6057.6	4736.3	11.37 mg/L	2275 ppm
3 Ni 231.604	9514.0	9585.9	0.2419 mg/L	48.39 ppm
3 Pb 220.353	10697.9	10347.3	0.7179 mg/L	143.6 ppm
3 Sb 206.833	331.6	285.0	0.1113 mg/L	22.26 ppm
3 Se 196.026	393.0	400.8	0.1300 mg/L	26.01 ppm
3 Tl 190.800	318.5	363.1	0.1198 mg/L	23.97 ppm
3 V 292.402	54035.2	53710.4	0.5476 mg/L	109.5 ppm
3 Zn 213.856	11323.8	11373.8	0.2150 mg/L	43.01 ppm

Mean Data

ID: 2842-1 PS F=200 Seq. No.: 61 Sample No.: 38 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:28:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	16548.7	0.2219	0.00928	mg/L	44.37	1.856	ppm	4.18%
Al 308.215	241590.1	26.40	1.010	mg/L	5280	202.0	ppm	3.83%
As 188.979	352.6	0.1347	0.00134	mg/L	26.94	0.268	ppm	1.00%
Ba 233.527	115128.9	1.064	0.0443	mg/L	212.7	8.86	ppm	4.16%
Be 313.107	106969.3	0.0438	0.00207	mg/L	8.755	0.4149	ppm	4.74%
Ca 227.547	950.9	11.57	0.147	mg/L	2314	29.5	ppm	1.27%
Cd 228.802	2408.5	0.0582	0.00093	mg/L	11.65	0.186	ppm	1.59%
Co 228.616	8671.8	0.2404	0.00444	mg/L	48.08	0.888	ppm	1.85%
Cr 267.716	12937.3	0.2884	0.01350	mg/L	57.69	2.699	ppm	4.68%
Cu 324.754	27149.3	0.2434	0.01062	mg/L	48.69	2.124	ppm	4.36%
Fe 273.955	840617.9	40.43	1.771	mg/L	8087	354.2	ppm	4.38%
K 766.491	567068.6	10.39	0.514	mg/L	2079	102.7	ppm	4.94%
Mg 279.079	132940.6	13.98	0.679	mg/L	2796	135.7	ppm	4.85%

Mn 257.610	241704.3	0.5766	0.02682 mg/L	115.3	5.36 ppm	4.65%
Mo 202.030	6634.3	0.4940	0.00609 mg/L	98.80	1.217 ppm	1.23%
Na 330.237	4994.9	11.98	0.569 mg/L	2395	113.8 ppm	4.75%
Ni 231.604	9680.1	0.2443	0.00411 mg/L	48.86	0.822 ppm	1.68%
Pb 220.353	10402.2	0.7217	0.00941 mg/L	144.3	1.88 ppm	1.30%
Sb 206.833	286.4	0.1117	0.00040 mg/L	22.35	0.081 ppm	0.36%
Se 196.026	405.3	0.1318	0.00201 mg/L	26.36	0.403 ppm	1.53%
Tl 190.800	365.9	0.1208	0.00087 mg/L	24.16	0.173 ppm	0.72%
V 292.402	56372.6	0.5747	0.02410 mg/L	114.9	4.82 ppm	4.19%
Zn 213.856	11438.7	0.2163	0.00252 mg/L	43.25	0.504 ppm	1.17%

Matrix Check Sample: 2842-1 PS F=200

Element	Expected Conc.	Measured Conc.	Std.Dev.	Calib Units	% Recovery
Ag 328.068	1.000	0.2219	0.009	mg/L	22.174
Al 308.215	28.98	26.40	1.010	mg/L	-29.110
As 188.979	0.5112	0.1347	0.001	mg/L	24.698
Ba 233.527	4.136	1.064	0.044	mg/L	23.181
Be 313.107	0.1992	0.0438	0.002	mg/L	22.313
Ca 227.547	27.26	11.57	0.147	mg/L	21.571
Cd 228.802	0.2499	0.0582	0.001	mg/L	23.352
Co 228.616	1.016	0.2404	0.004	mg/L	22.446
Cr 267.716	1.055	0.2884	0.013	mg/L	23.361
Cu 324.754	1.017	0.2434	0.011	mg/L	22.647
Fe 273.955	42.96	40.43	1.771	mg/L	-152.761
K 766.491	13.98	10.39	0.514	mg/L	28.316
Mg 279.079	22.17	13.98	0.679	mg/L	18.115
Mn 257.610	1.380	0.5766	0.027	mg/L	19.637
Mo 202.030	2.008	0.4940	0.006	mg/L	24.323
Na 330.237	43.20	11.98	0.569	mg/L	21.940
Ni 231.604	1.018	0.2443	0.004	mg/L	22.597
Pb 220.353	3.006	0.7217	0.009	mg/L	23.872
Sb 206.833	0.4956	0.1117	0.000	mg/L	23.220
Se 196.026	0.5036	0.1318	0.002	mg/L	25.631
Tl 190.800	0.4984	0.1208	0.001	mg/L	24.487
V 292.402	2.108	0.5747	0.024	mg/L	23.323
Zn 213.856	0.6021	0.2163	0.003	mg/L	22.823

Replicate Data ----------
ID: CCV 1447B Date: 04/25/03 02:31:27 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	69730.8	70151.5	0.9405	mg/L		
1	Al 308.215	44535.0	44136.8	4.823	mg/L		
1	As 188.979	1372.0	1377.5	0.5139	mg/L		
1	Ba 233.527	516548.1	516982.9	4.776	mg/L		
1	Be 313.107	1151875.8	1154262.0	0.4724	mg/L		
1	Ca 227.547	4228.7	4269.3	51.96	mg/L		
1	Cd 228.802	41524.3	41393.9	1.001	mg/L		
1	Co 228.616	69526.8	69452.9	1.925	mg/L		
1	Cr 267.716	22052.6	22133.4	0.4935	mg/L		
1	Cu 324.754	212144.9	211621.5	1.897	mg/L		
1	Fe 273.955	99627.7	99822.8	4.792	mg/L		
1	K 766.491	842910.8	835145.6	14.77	mg/L		
1	Mg 279.079	225818.3	226897.2	23.86	mg/L		
1	Mn 257.610	800778.8	804260.7	1.919	mg/L		
1	Mo 202.030	26516.1	26637.8	1.984	mg/L		
1	Na 330.237	46097.0	44775.7	98.46	mg/L		
1	Ni 231.604	77095.4	77167.3	1.948	mg/L		
1	Pb 220.353	7584.0	7233.5	0.5013	mg/L		
1	Sb 206.833	5081.7	5035.1	2.011	mg/L		
1	Se 196.026	1682.5	1690.3	0.5192	mg/L		
1	Tl 190.800	1511.4	1556.0	0.5129	mg/L		
1	V 292.402	189057.3	188732.5	1.924	mg/L		
1	Zn 213.856	103267.0	103317.0	1.953	mg/L		
2	Ag 328.068	73139.9	73560.6	0.9862	mg/L		
2	Al 308.215	46620.3	46222.1	5.051	mg/L		
2	As 188.979	1403.9	1409.5	0.5258	mg/L		

2	Ba 233.527	533373.5	533808.3	4.932 mg/L
2	Be 313.107	1207967.0	1210353.1	0.4953 mg/L
2	Ca 227.547	4052.5	4093.2	49.81 mg/L
2	Cd 228.802	40880.5	40750.1	0.9855 mg/L
2	Co 228.616	72728.0	72654.1	2.014 mg/L
2	Cr 267.716	21592.9	21673.7	0.4832 mg/L
2	Cu 324.754	222287.6	221764.3	1.988 mg/L
2	Fe 273.955	103417.6	103612.7	4.974 mg/L
2	K 766.491	878227.4	870462.2	15.32 mg/L
2	Mg 279.079	234773.7	235852.6	24.80 mg/L
2	Mn 257.610	833208.4	836690.3	1.996 mg/L
2	Mo 202.030	25941.8	26063.5	1.941 mg/L
2	Na 330.237	48372.6	47051.3	103.1 mg/L
2	Ni 231.604	80256.0	80327.9	2.027 mg/L
2	Pb 220.353	7492.6	7142.1	0.4950 mg/L
2	Sb 206.833	5046.7	5000.1	1.998 mg/L
2	Se 196.026	1613.2	1621.0	0.4979 mg/L
2	Tl 190.800	1538.2	1582.8	0.5218 mg/L
2	V 292.402	198258.9	197934.0	2.018 mg/L
2	Zn 213.856	108548.9	108598.9	2.053 mg/L
3	Ag 328.068	68520.4	68941.1	0.9243 mg/L
3	Al 308.215	43735.2	43337.0	4.736 mg/L
3	As 188.979	1313.0	1318.5	0.4919 mg/L
3	Ba 233.527	501632.4	502067.2	4.638 mg/L
3	Be 313.107	1130237.3	1132623.4	0.4635 mg/L
3	Ca 227.547	3982.6	4023.3	48.96 mg/L
3	Cd 228.802	39940.2	39809.8	0.9627 mg/L
3	Co 228.616	68372.9	68299.1	1.893 mg/L
3	Cr 267.716	21166.0	21246.8	0.4737 mg/L
3	Cu 324.754	208427.3	207903.9	1.864 mg/L
3	Fe 273.955	97521.7	97716.8	4.691 mg/L
3	K 766.491	829087.3	821322.1	14.55 mg/L
3	Mg 279.079	220907.2	221986.1	23.34 mg/L
3	Mn 257.610	783726.1	787208.0	1.878 mg/L
3	Mo 202.030	25498.1	25619.8	1.908 mg/L
3	Na 330.237	45159.4	43838.1	96.55 mg/L
3	Ni 231.604	75604.1	75675.9	1.910 mg/L
3	Pb 220.353	7344.0	6993.5	0.4847 mg/L
3	Sb 206.833	4954.6	4908.0	1.961 mg/L
3	Se 196.026	1615.0	1622.8	0.4985 mg/L
3	Tl 190.800	1477.8	1522.3	0.5018 mg/L
3	V 292.402	185896.4	185571.6	1.892 mg/L
3	Zn 213.856	102164.0	102214.0	1.932 mg/L

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

ID: CCV 1447B Seq. No.: 62 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 02:31:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	70884.4	0.9503	0.03211	mg/L				3.38%
Al 308.215	44565.3	4.870	0.1628	mg/L				3.34%
As 188.979	1368.5	0.5106	0.01716	mg/L				3.36%
Ba 233.527	517619.5	4.782	0.1467	mg/L				3.07%
Be 313.107	1165746.2	0.4771	0.01642	mg/L				3.44%
Ca 227.547	4128.6	50.24	1.543	mg/L				3.07%
Cd 228.802	40651.3	0.9831	0.01927	mg/L				1.96%
Co 228.616	70135.4	1.944	0.0625	mg/L				3.22%
Cr 267.716	21684.6	0.4834	0.00989	mg/L				2.04%
Cu 324.754	213763.2	1.917	0.0643	mg/L				3.36%
Fe 273.955	100384.1	4.819	0.1434	mg/L				2.98%
K 766.491	842310.0	14.88	0.399	mg/L				2.68%
Mg 279.079	228245.3	24.00	0.739	mg/L				3.08%
Mn 257.610	809386.3	1.931	0.0600	mg/L				3.11%
Mo 202.030	26107.0	1.944	0.0380	mg/L				1.95%
Na 330.237	45221.7	99.37	3.366	mg/L				3.39%
Ni 231.604	77723.7	1.962	0.0600	mg/L				3.06%
Pb 220.353	7123.1	0.4937	0.00840	mg/L				1.70%
Sb 206.833	4981.1	1.990	0.0262	mg/L				1.32%
Se 196.026	1644.7	0.5052	0.01213	mg/L				2.40%
Tl 190.800	1553.7	0.5122	0.01002	mg/L				1.96%

V 292.402	190746.0	1.945	0.0655 mg/L	3.37%
Zn 213.856	104710.0	1.980	0.0645 mg/L	3.26%

Replicate Data
ID: CCB Date: 04/25/03 02:34:17 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-442.2	-21.6	-0.0003	mg/L		
1	Al 308.215	429.3	31.1	0.0034	mg/L		
1	As 188.979	-8.5	-3.0	-0.0011	mg/L		
1	Ba 233.527	-379.4	55.4	0.0005	mg/L		
1	Be 313.107	-2211.8	174.3	0.0001	mg/L		
1	Ca 227.547	-47.0	-6.4	-0.0774	mg/L		
1	Cd 228.802	123.9	-6.5	-0.0002	mg/L		
1	Co 228.616	83.6	9.8	0.0003	mg/L		
1	Cr 267.716	-54.2	26.6	0.0006	mg/L		
1	Cu 324.754	411.9	-111.5	-0.0010	mg/L		
1	Fe 273.955	-144.8	50.3	0.0024	mg/L		
1	K 766.491	7170.8	-594.4	0.0097	mg/L		
1	Mg 279.079	-982.6	96.3	0.0101	mg/L		
1	Mn 257.610	-3199.8	282.1	0.0007	mg/L		
1	Mo 202.030	-104.8	16.9	0.0013	mg/L		
1	Na 330.237	1185.1	-136.2	-0.0696	mg/L		
1	Ni 231.604	-68.6	3.2	0.0001	mg/L		
1	Pb 220.353	334.8	-15.7	-0.0011	mg/L		
1	Sb 206.833	28.3	-18.3	-0.0073	mg/L		
1	Se 196.026	13.1	20.9	0.0064	mg/L		
1	Tl 190.800	-27.8	16.8	0.0055	mg/L		
1	V 292.402	331.3	6.5	0.0001	mg/L		
1	Zn 213.856	-31.7	18.3	0.0003	mg/L		
2	Ag 328.068	-361.8	58.8	0.0008	mg/L		
2	Al 308.215	384.9	-13.3	-0.0015	mg/L		
2	As 188.979	-15.3	-9.7	-0.0036	mg/L		
2	Ba 233.527	-376.5	58.2	0.0005	mg/L		
2	Be 313.107	-2237.2	148.9	0.0001	mg/L		
2	Ca 227.547	-37.6	3.1	0.0371	mg/L		
2	Cd 228.802	120.0	-10.4	-0.0003	mg/L		
2	Co 228.616	83.7	9.8	0.0003	mg/L		
2	Cr 267.716	-70.2	10.6	0.0002	mg/L		
2	Cu 324.754	511.2	-12.1	-0.0001	mg/L		
2	Fe 273.955	-172.0	23.0	0.0011	mg/L		
2	K 766.491	7786.6	21.4	0.0220	mg/L		
2	Mg 279.079	-1015.8	63.0	0.0066	mg/L		
2	Mn 257.610	-3186.3	295.6	0.0007	mg/L		
2	Mo 202.030	-107.3	14.4	0.0011	mg/L		
2	Na 330.237	1296.2	-25.1	0.1937	mg/L		
2	Ni 231.604	-50.9	21.0	0.0005	mg/L		
2	Pb 220.353	315.7	-34.8	-0.0024	mg/L		
2	Sb 206.833	34.1	-12.5	-0.0050	mg/L		
2	Se 196.026	-11.5	-3.7	-0.0011	mg/L		
2	Tl 190.800	-42.8	1.8	0.0006	mg/L		
2	V 292.402	248.5	-76.3	-0.0008	mg/L		
2	Zn 213.856	-45.0	5.0	0.0001	mg/L		
3	Ag 328.068	-543.8	-123.1	-0.0017	mg/L		
3	Al 308.215	423.9	25.7	0.0028	mg/L		
3	As 188.979	-21.0	-15.5	-0.0058	mg/L		
3	Ba 233.527	-397.9	36.9	0.0003	mg/L		
3	Be 313.107	-2205.0	181.1	0.0001	mg/L		
3	Ca 227.547	-37.4	3.3	0.0401	mg/L		
3	Cd 228.802	121.6	-8.8	-0.0002	mg/L		
3	Co 228.616	81.8	7.9	0.0002	mg/L		
3	Cr 267.716	-45.2	35.6	0.0008	mg/L		
3	Cu 324.754	573.3	50.0	0.0004	mg/L		
3	Fe 273.955	-177.0	18.1	0.0009	mg/L		
3	K 766.491	7423.1	-342.1	0.0147	mg/L		
3	Mg 279.079	-859.2	219.7	0.0231	mg/L		
3	Mn 257.610	-3240.2	241.7	0.0006	mg/L		
3	Mo 202.030	-104.5	17.2	0.0013	mg/L		
3	Na 330.237	1051.3	-270.0	-0.3870	mg/L		

3 Ni 231.604	-70.8	1.1	0.0000	mg/L
3 Pb 220.353	309.8	-40.7	-0.0028	mg/L
3 Sb 206.833	30.5	-16.1	-0.0064	mg/L
3 Se 196.026	1.8	9.6	0.0029	mg/L
3 Tl 190.800	-42.1	2.5	0.0008	mg/L
3 V 292.402	297.5	-27.3	-0.0003	mg/L
3 Zn 213.856	-31.5	18.5	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: 04/25/03 02:34:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-28.6	-0.0004	0.00122	mg/L				318.55%
Al 308.215	14.5	0.0016	0.00265	mg/L				167.32%
As 188.979	-9.4	-0.0035	0.00233	mg/L				66.65%
Ba 233.527	50.2	0.0005	0.00011	mg/L				23.09%
Be 313.107	168.1	0.0001	0.00001	mg/L				10.09%
Ca 227.547	-0.0	-0.0001	0.06701	mg/L				>999.9%
Cd 228.802	-8.6	-0.0002	0.00005	mg/L				22.97%
Co 228.616	9.2	0.0003	0.00003	mg/L				11.60%
Cr 267.716	24.3	0.0005	0.00028	mg/L				52.15%
Cu 324.754	-24.5	-0.0002	0.00073	mg/L				331.93%
Fe 273.955	30.5	0.0015	0.00083	mg/L				56.91%
K 766.491	-305.0	0.0155	0.00620	mg/L				40.02%
Mg 279.079	126.3	0.0133	0.00868	mg/L				65.35%
Mn 257.610	273.1	0.0007	0.00007	mg/L				10.27%
Mo 202.030	16.2	0.0012	0.00011	mg/L				9.49%
Na 330.237	-143.8	-0.0876	0.29076	mg/L				331.85%
Ni 231.604	8.4	0.0002	0.00028	mg/L				129.88%
Pb 220.353	-30.4	-0.0021	0.00090	mg/L				42.86%
Sb 206.833	-15.6	-0.0062	0.00116	mg/L				18.62%
Se 196.026	8.9	0.0027	0.00377	mg/L				137.68%
Tl 190.800	7.0	0.0023	0.00278	mg/L				120.93%
V 292.402	-32.4	-0.0003	0.00042	mg/L				128.66%
Zn 213.856	13.9	0.0003	0.00015	mg/L				55.64%

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

ID: 2842-2 F=200 Date: 04/25/03 02:37:26 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-456.6	-35.9	-0.0005	mg/L	-0.0963	ppm
1	Al 308.215	656186.5	655788.3	71.66	mg/L	14330	ppm
1	As 188.979	38.0	43.5	0.0267	mg/L	5.343	ppm
1	Ba 233.527	69599.6	70034.4	0.6470	mg/L	129.4	ppm
1	Be 313.107	-11420.7	-9034.6	-0.0037	mg/L	-0.7395	ppm
1	Ca 227.547	795.4	836.1	10.17	mg/L	2035	ppm
1	Cd 228.802	163.7	33.2	0.0008	mg/L	0.1607	ppm
1	Co 228.616	1437.4	1363.5	0.0378	mg/L	7.560	ppm
1	Cr 267.716	5624.7	5705.5	0.1272	mg/L	25.44	ppm
1	Cu 324.754	8947.0	8423.6	0.0834	mg/L	16.68	ppm
1	Fe 273.955	2372066.0	2372261.1	114.1	mg/L	22820	ppm
1	K 766.491	1674437.7	1666672.5	26.85	mg/L	5370	ppm
1	Mg 279.079	298032.6	299111.4	31.45	mg/L	6291	ppm
1	Mn 257.610	285719.1	289201.0	0.6900	mg/L	138.0	ppm
1	Mo 202.030	-119.5	2.1	-0.0029	mg/L	-0.5747	ppm
1	Na 330.237	2834.8	1513.5	3.829	mg/L	765.8	ppm
1	Ni 231.604	1323.7	1395.6	0.0352	mg/L	7.045	ppm
1	Pb 220.353	417.2	66.7	0.0065	mg/L	1.304	ppm
1	Sb 206.833	31.6	-15.0	-0.0132	mg/L	-2.631	ppm
1	Se 196.026	-83.4	-75.6	-0.0027	mg/L	-0.5341	ppm
1	Tl 190.800	-95.4	-50.8	-0.0160	mg/L	-3.202	ppm
1	V 292.402	40179.0	39854.2	0.4154	mg/L	83.09	ppm
1	Zn 213.856	11430.4	11480.4	0.2109	mg/L	42.17	ppm
2	Ag 328.068	-552.2	-131.6	-0.0018	mg/L	-0.3528	ppm
2	Al 308.215	622249.3	621851.1	67.95	mg/L	13590	ppm
2	As 188.979	26.8	32.3	0.0221	mg/L	4.417	ppm
2	Ba 233.527	66392.8	66827.6	0.6174	mg/L	123.5	ppm

2 Be 313.107	-11012.1	-8626.0	-0.0035	mg/L	-0.7060	ppm
2 Ca 227.547	766.8	807.5	9.827	mg/L	1965	ppm
2 Cd 228.802	146.1	15.7	0.0004	mg/L	0.0759	ppm
2 Co 228.616	1473.4	1399.6	0.0388	mg/L	7.760	ppm
2 Cr 267.716	5641.2	5722.0	0.1276	mg/L	25.51	ppm
2 Cu 324.754	8501.6	7978.2	0.0790	mg/L	15.81	ppm
2 Fe 273.955	2263510.5	2263705.6	108.9	mg/L	21780	ppm
2 K 766.491	1575895.6	1568130.4	25.51	mg/L	5102	ppm
2 Mg 279.079	283417.9	284496.8	29.92	mg/L	5983	ppm
2 Mn 257.610	271866.4	275348.3	0.6569	mg/L	131.4	ppm
2 Mo 202.030	-161.4	-39.7	-0.0030	mg/L	-0.5909	ppm
2 Na 330.237	2828.5	1507.2	3.814	mg/L	762.8	ppm
2 Ni 231.604	1374.7	1446.5	0.0365	mg/L	7.302	ppm
2 Pb 220.353	534.4	183.9	0.0145	mg/L	2.905	ppm
2 Sb 206.833	49.8	3.3	-0.0055	mg/L	-1.109	ppm
2 Se 196.026	8.0	15.8	0.0245	mg/L	4.894	ppm
2 Tl 190.800	-66.1	-21.6	-0.0065	mg/L	-1.291	ppm
2 V 292.402	38134.5	37809.7	0.3942	mg/L	78.84	ppm
2 Zn 213.856	11645.4	11695.4	0.2152	mg/L	43.04	ppm
3 Ag 328.068	-539.4	-118.7	-0.0016	mg/L	-0.3184	ppm
3 Al 308.215	614534.2	614136.0	67.11	mg/L	13420	ppm
3 As 188.979	73.4	79.0	0.0393	mg/L	7.853	ppm
3 Ba 233.527	65000.2	65435.0	0.6045	mg/L	120.9	ppm
3 Be 313.107	-10855.1	-8469.0	-0.0035	mg/L	-0.6932	ppm
3 Ca 227.547	694.0	734.7	8.941	mg/L	1788	ppm
3 Cd 228.802	45.4	-85.0	-0.0021	mg/L	-0.4113	ppm
3 Co 228.616	1343.5	1269.6	0.0352	mg/L	7.039	ppm
3 Cr 267.716	5213.2	5294.0	0.1180	mg/L	23.61	ppm
3 Cu 324.754	8599.3	8076.0	0.0798	mg/L	15.96	ppm
3 Fe 273.955	2231279.3	2231474.4	107.3	mg/L	21470	ppm
3 K 766.491	1611133.5	1603368.3	25.99	mg/L	5198	ppm
3 Mg 279.079	278097.2	279176.1	29.36	mg/L	5871	ppm
3 Mn 257.610	267184.3	270666.2	0.6457	mg/L	129.1	ppm
3 Mo 202.030	-117.8	3.8	0.0003	mg/L	0.0572	ppm
3 Na 330.237	2934.9	1613.6	4.065	mg/L	812.9	ppm
3 Ni 231.604	1292.7	1364.6	0.0344	mg/L	6.888	ppm
3 Pb 220.353	507.0	156.5	0.0126	mg/L	2.522	ppm
3 Sb 206.833	60.1	13.5	-0.0014	mg/L	-0.2705	ppm
3 Se 196.026	-69.4	-61.6	0.0004	mg/L	0.0833	ppm
3 Tl 190.800	-49.3	-4.7	-0.0009	mg/L	-0.1853	ppm
3 V 292.402	37769.8	37444.9	0.3903	mg/L	78.07	ppm
3 Zn 213.856	10866.7	10916.7	0.2006	mg/L	40.11	ppm

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

ID: 2842-2 F=200 Seq. No.: 64 Sample No.: 39 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:37:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-95.4	-0.0013	0.00070	mg/L	-0.2558	0.13921	ppm	54.41%
Al 308.215	630591.8	68.91	2.421	mg/L	13780	484.3	ppm	3.51%
As 188.979	51.6	0.0294	0.00889	mg/L	5.871	1.7777	ppm	30.28%
Ba 233.527	67432.4	0.6230	0.02179	mg/L	124.6	4.36	ppm	3.50%
Be 313.107	-8709.8	-0.0036	0.00012	mg/L	-0.7129	0.02390	ppm	3.35%
Ca 227.547	792.8	9.648	0.6361	mg/L	1930	127.2	ppm	6.59%
Cd 228.802	-12.0	-0.0003	0.00154	mg/L	-0.0582	0.30869	ppm	530.20%
Co 228.616	1344.2	0.0373	0.00186	mg/L	7.453	0.3719	ppm	4.99%
Cr 267.716	5573.8	0.1243	0.00541	mg/L	24.85	1.081	ppm	4.35%
Cu 324.754	8159.3	0.0808	0.00232	mg/L	16.15	0.465	ppm	2.88%
Fe 273.955	2289147.0	110.1	3.55	mg/L	22020	709.6	ppm	3.22%
K 766.491	1612723.7	26.12	0.677	mg/L	5223	135.5	ppm	2.59%
Mg 279.079	287594.8	30.24	1.085	mg/L	6048	217.1	ppm	3.59%
Mn 257.610	278405.2	0.6642	0.02299	mg/L	132.8	4.60	ppm	3.46%
Mo 202.030	-11.2	-0.0018	0.00185	mg/L	-0.3694	0.36959	ppm	100.04%
Na 330.237	1544.8	3.903	0.1406	mg/L	780.5	28.12	ppm	3.60%
Ni 231.604	1402.2	0.0354	0.00104	mg/L	7.078	0.2088	ppm	2.95%
Pb 220.353	135.7	0.0112	0.00418	mg/L	2.243	0.8358	ppm	37.26%
Sb 206.833	0.6	-0.0067	0.00598	mg/L	-1.337	1.1964	ppm	89.49%
Se 196.026	-40.4	0.0074	0.01486	mg/L	1.481	2.9718	ppm	200.65%
Tl 190.800	-25.7	-0.0078	0.00763	mg/L	-1.559	1.5260	ppm	97.87%
V 292.402	38369.6	0.4000	0.01352	mg/L	80.00	2.704	ppm	3.38%

Zn 213.856	11364.2	0.2089	0.00752 mg/L	41.77	1.503 ppm	3.60%

Replicate Data
ID: 2842-4 F=200 Date: 04/25/03 02:39:57 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-443.4	-22.8	-0.0003	mg/L	-0.0611	ppm
1	Al 308.215	743708.7	743310.5	81.23	mg/L	16250	ppm
1	As 188.979	-22.9	-17.4	0.0042	mg/L	0.8304	ppm
1	Ba 233.527	76248.1	76682.9	0.7084	mg/L	141.7	ppm
1	Be 313.107	-15286.1	-12900.0	-0.0053	mg/L	-1.056	ppm
1	Ca 227.547	952.3	992.9	12.08	mg/L	2417	ppm
1	Cd 228.802	169.8	39.4	0.0010	mg/L	0.1904	ppm
1	Co 228.616	2114.9	2041.0	0.0566	mg/L	11.32	ppm
1	Cr 267.716	6653.1	6733.9	0.1501	mg/L	30.03	ppm
1	Cu 324.754	8422.8	7899.4	0.0787	mg/L	15.75	ppm
1	Fe 273.955	2386390.3	2386585.4	114.8	mg/L	22960	ppm
1	K 766.491	1765673.7	1757908.5	28.07	mg/L	5613	ppm
1	Mg 279.079	314304.3	315383.2	33.16	mg/L	6633	ppm
1	Mn 257.610	620887.1	624369.0	1.490	mg/L	297.9	ppm
1	Mo 202.030	-204.0	-82.3	-0.0092	mg/L	-1.836	ppm
1	Na 330.237	2611.7	1290.4	3.303	mg/L	660.6	ppm
1	Ni 231.604	1917.4	1989.2	0.0502	mg/L	10.04	ppm
1	Pb 220.353	570.1	219.6	0.0179	mg/L	3.573	ppm
1	Sb 206.833	40.9	-5.7	-0.0095	mg/L	-1.899	ppm
1	Se 196.026	-105.4	-97.6	-0.0093	mg/L	-1.864	ppm
1	Tl 190.800	-50.1	-5.5	-0.0018	mg/L	-0.3589	ppm
1	V 292.402	29215.6	28890.7	0.3037	mg/L	60.75	ppm
1	Zn 213.856	13652.6	13702.5	0.2528	mg/L	50.57	ppm
2	Ag 328.068	-356.6	64.1	0.0009	mg/L	0.1717	ppm
2	Al 308.215	728123.8	727725.6	79.52	mg/L	15900	ppm
2	As 188.979	2.2	7.7	0.0133	mg/L	2.656	ppm
2	Ba 233.527	74699.2	75134.0	0.6941	mg/L	138.8	ppm
2	Be 313.107	-14929.5	-12543.4	-0.0051	mg/L	-1.027	ppm
2	Ca 227.547	824.4	865.1	10.53	mg/L	2106	ppm
2	Cd 228.802	121.7	-8.7	-0.0002	mg/L	-0.0420	ppm
2	Co 228.616	1999.1	1925.3	0.0534	mg/L	10.67	ppm
2	Cr 267.716	6571.5	6652.3	0.1483	mg/L	29.66	ppm
2	Cu 324.754	8284.4	7761.0	0.0773	mg/L	15.47	ppm
2	Fe 273.955	2336947.7	2337142.8	112.4	mg/L	22480	ppm
2	K 766.491	1744099.9	1736334.7	27.78	mg/L	5556	ppm
2	Mg 279.079	306926.1	308005.0	32.39	mg/L	6478	ppm
2	Mn 257.610	608656.1	612138.0	1.460	mg/L	292.1	ppm
2	Mo 202.030	-155.9	-34.3	-0.0026	mg/L	-0.5103	ppm
2	Na 330.237	2741.0	1419.7	3.608	mg/L	721.6	ppm
2	Ni 231.604	1757.1	1829.0	0.0462	mg/L	9.232	ppm
2	Pb 220.353	462.5	111.9	0.0103	mg/L	2.070	ppm
2	Sb 206.833	77.9	31.4	0.0054	mg/L	1.088	ppm
2	Se 196.026	-18.4	-10.6	0.0170	mg/L	3.397	ppm
2	Tl 190.800	-100.6	-56.1	-0.0184	mg/L	-3.673	ppm
2	V 292.402	28766.7	28441.9	0.2990	mg/L	59.79	ppm
2	Zn 213.856	13118.2	13168.2	0.2429	mg/L	48.57	ppm
3	Ag 328.068	-356.6	64.1	0.0009	mg/L	0.1718	ppm
3	Al 308.215	763430.5	763032.3	83.38	mg/L	16680	ppm
3	As 188.979	18.8	24.3	0.0198	mg/L	3.959	ppm
3	Ba 233.527	77605.6	78040.3	0.7210	mg/L	144.2	ppm
3	Be 313.107	-15459.0	-13072.9	-0.0053	mg/L	-1.070	ppm
3	Ca 227.547	890.3	930.9	11.33	mg/L	2266	ppm
3	Cd 228.802	145.2	14.8	0.0004	mg/L	0.0715	ppm
3	Co 228.616	2081.0	2007.1	0.0556	mg/L	11.13	ppm
3	Cr 267.716	6481.1	6561.9	0.1463	mg/L	29.26	ppm
3	Cu 324.754	8686.9	8163.5	0.0812	mg/L	16.25	ppm
3	Fe 273.955	2420233.7	2420428.8	116.4	mg/L	23290	ppm
3	K 766.491	1849171.7	1841406.4	29.17	mg/L	5833	ppm
3	Mg 279.079	318197.1	319276.0	33.57	mg/L	6715	ppm
3	Mn 257.610	630650.7	634132.6	1.513	mg/L	302.6	ppm
3	Mo 202.030	-114.3	7.4	-0.0025	mg/L	-0.5086	ppm
3	Na 330.237	2740.9	1419.6	3.608	mg/L	721.5	ppm
3	Ni 231.604	1855.5	1927.3	0.0486	mg/L	9.729	ppm

3 Pb 220.353	568.9	218.4	0.0179	mg/L	3.581	ppm
3 Sb 206.833	31.0	-15.6	-0.0135	mg/L	-2.708	ppm
3 Se 196.026	-48.5	-40.7	0.0085	mg/L	1.691	ppm
3 Tl 190.800	-58.7	-14.1	-0.0046	mg/L	-0.9226	ppm
3 V 292.402	29838.7	29513.9	0.3102	mg/L	62.04	ppm
3 Zn 213.856	13059.4	13109.4	0.2415	mg/L	48.31	ppm

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

ID: 2842-4 F=200 Seq. No.: 65 Sample No.: 40 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:39:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	35.1	0.0005	0.00067	mg/L	0.0941	0.13444	ppm	142.82%
Al 308.215	744689.5	81.38	1.934	mg/L	16280	386.7	ppm	2.38%
As 188.979	4.9	0.0124	0.00786	mg/L	2.482	1.5715	ppm	63.33%
Ba 233.527	76619.1	0.7079	0.01344	mg/L	141.6	2.69	ppm	1.90%
Be 313.107	-12838.7	-0.0053	0.00011	mg/L	-1.051	0.0221	ppm	2.10%
Ca 227.547	929.7	11.31	0.778	mg/L	2263	155.6	ppm	6.87%
Cd 228.802	15.2	0.0004	0.00058	mg/L	0.0733	0.11622	ppm	158.51%
Co 228.616	1991.1	0.0552	0.00165	mg/L	11.04	0.330	ppm	2.99%
Cr 267.716	6649.4	0.1482	0.00192	mg/L	29.65	0.384	ppm	1.29%
Cu 324.754	7941.3	0.0791	0.00197	mg/L	15.82	0.393	ppm	2.49%
Fe 273.955	2381385.7	114.6	2.01	mg/L	22910	403.0	ppm	1.76%
K 766.491	1778549.9	28.34	0.732	mg/L	5668	146.4	ppm	2.58%
Mg 279.079	314221.4	33.04	0.602	mg/L	6608	120.4	ppm	1.82%
Mn 257.610	623546.5	1.488	0.0263	mg/L	297.5	5.26	ppm	1.77%
Mo 202.030	-36.4	-0.0048	0.00383	mg/L	-0.9517	0.76610	ppm	80.49%
Na 330.237	1376.6	3.506	0.1759	mg/L	701.2	35.18	ppm	5.02%
Ni 231.604	1915.2	0.0483	0.00204	mg/L	9.667	0.4080	ppm	4.22%
Pb 220.353	183.3	0.0154	0.00435	mg/L	3.074	0.8702	ppm	28.30%
Sb 206.833	3.4	-0.0059	0.01000	mg/L	-1.173	1.9997	ppm	170.50%
Se 196.026	-49.6	0.0054	0.01342	mg/L	1.075	2.6841	ppm	249.70%
Tl 190.800	-25.2	-0.0083	0.00887	mg/L	-1.651	1.7732	ppm	107.37%
V 292.402	28948.8	0.3043	0.00565	mg/L	60.86	1.129	ppm	1.86%
Zn 213.856	13326.7	0.2457	0.00618	mg/L	49.15	1.235	ppm	2.51%

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

ID: 2842-5 F=200 Date: 04/25/03 02:42:28 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-230.4	190.3	0.0026	mg/L	0.5102	ppm
1	Al 308.215	466030.1	465631.9	50.88	mg/L	10180	ppm
1	As 188.979	-13.5	-8.0	0.0034	mg/L	0.6862	ppm
1	Ba 233.527	44975.5	45410.3	0.4195	mg/L	83.91	ppm
1	Be 313.107	-10187.4	-7801.3	-0.0032	mg/L	-0.6385	ppm
1	Ca 227.547	538.0	578.7	7.043	mg/L	1409	ppm
1	Cd 228.802	99.2	-31.2	-0.0008	mg/L	-0.1510	ppm
1	Co 228.616	1311.3	1237.4	0.0343	mg/L	6.861	ppm
1	Cr 267.716	3703.0	3783.7	0.0844	mg/L	16.87	ppm
1	Cu 324.754	6436.5	5913.2	0.0578	mg/L	11.56	ppm
1	Fe 273.955	1436389.2	1436584.3	69.10	mg/L	13820	ppm
1	K 766.491	1107981.4	1100216.2	18.83	mg/L	3766	ppm
1	Mg 279.079	208131.1	209209.9	22.00	mg/L	4400	ppm
1	Mn 257.610	236169.2	239651.1	0.5717	mg/L	114.3	ppm
1	Mo 202.030	-83.1	38.6	0.0029	mg/L	0.5745	ppm
1	Na 330.237	2363.3	1042.0	2.717	mg/L	543.4	ppm
1	Ni 231.604	813.5	885.4	0.0223	mg/L	4.469	ppm
1	Pb 220.353	524.6	174.1	0.0138	mg/L	2.763	ppm
1	Sb 206.833	28.3	-18.3	-0.0116	mg/L	-2.326	ppm
1	Se 196.026	-32.1	-24.3	0.0050	mg/L	0.9956	ppm
1	Tl 190.800	-115.5	-70.9	-0.0232	mg/L	-4.646	ppm
1	V 292.402	14637.1	14312.3	0.1514	mg/L	30.29	ppm
1	Zn 213.856	8834.6	8884.6	0.1680	mg/L	33.59	ppm
2	Ag 328.068	-381.7	39.0	0.0005	mg/L	0.1045	ppm
2	Al 308.215	471738.6	471340.4	51.51	mg/L	10300	ppm
2	As 188.979	-27.7	-22.2	-0.0018	mg/L	-0.3645	ppm
2	Ba 233.527	45131.6	45566.4	0.4210	mg/L	84.19	ppm
2	Be 313.107	-10135.2	-7749.1	-0.0032	mg/L	-0.6342	ppm

2	Ca 227.547	526.3	567.0	6.900	mg/L	1380 ppm
2	Cd 228.802	98.9	-31.6	-0.0008	mg/L	-0.1527 ppm
2	Co 228.616	1300.0	1226.1	0.0340	mg/L	6.798 ppm
2	Cr 267.716	3843.3	3924.1	0.0875	mg/L	17.50 ppm
2	Cu 324.754	6334.0	5810.6	0.0569	mg/L	11.38 ppm
2	Fe 273.955	1443842.3	1444037.4	69.46	mg/L	13890 ppm
2	K 766.491	1139229.7	1131464.5	19.30	mg/L	3859 ppm
2	Mg 279.079	208408.7	209487.5	22.03	mg/L	4406 ppm
2	Mn 257.610	237844.7	241326.6	0.5757	mg/L	115.1 ppm
2	Mo 202.030	-86.8	34.8	0.0026	mg/L	0.5188 ppm
2	Na 330.237	2427.9	1106.6	2.870	mg/L	573.9 ppm
2	Ni 231.604	837.2	909.0	0.0229	mg/L	4.589 ppm
2	Pb 220.353	447.9	97.4	0.0085	mg/L	1.708 ppm
2	Sb 206.833	14.8	-31.8	-0.0171	mg/L	-3.411 ppm
2	Se 196.026	-30.4	-22.6	0.0055	mg/L	1.110 ppm
2	Tl 190.800	-0.4	44.2	0.0145	mg/L	2.898 ppm
2	V 292.402	14590.4	14265.5	0.1510	mg/L	30.20 ppm
2	Zn 213.856	9107.9	9157.9	0.1731	mg/L	34.63 ppm
3	Ag 328.068	-486.3	-65.6	-0.0009	mg/L	-0.1759 ppm
3	Al 308.215	475183.7	474785.5	51.88	mg/L	10380 ppm
3	As 188.979	-28.9	-23.3	-0.0022	mg/L	-0.4492 ppm
3	Ba 233.527	45186.3	45621.1	0.4215	mg/L	84.30 ppm
3	Be 313.107	-10079.2	-7693.1	-0.0031	mg/L	-0.6297 ppm
3	Ca 227.547	509.9	550.5	6.700	mg/L	1340 ppm
3	Cd 228.802	79.0	-51.4	-0.0012	mg/L	-0.2486 ppm
3	Co 228.616	1194.2	1120.4	0.0311	mg/L	6.212 ppm
3	Cr 267.716	3847.2	3928.0	0.0876	mg/L	17.51 ppm
3	Cu 324.754	6598.3	6074.9	0.0593	mg/L	11.85 ppm
3	Fe 273.955	1442320.5	1442515.6	69.39	mg/L	13880 ppm
3	K 766.491	1154240.6	1146475.4	19.52	mg/L	3904 ppm
3	Mg 279.079	207615.1	208693.9	21.95	mg/L	4389 ppm
3	Mn 257.610	237030.1	240512.0	0.5738	mg/L	114.8 ppm
3	Mo 202.030	-122.2	-0.5	0.0000	mg/L	-0.0079 ppm
3	Na 330.237	2427.9	1106.6	2.870	mg/L	573.9 ppm
3	Ni 231.604	826.2	898.1	0.0227	mg/L	4.533 ppm
3	Pb 220.353	406.3	55.8	0.0057	mg/L	1.138 ppm
3	Sb 206.833	19.7	-26.9	-0.0151	mg/L	-3.019 ppm
3	Se 196.026	-6.9	0.9	0.0128	mg/L	2.551 ppm
3	Tl 190.800	-45.1	-0.5	-0.0002	mg/L	-0.0310 ppm
3	V 292.402	15032.8	14708.0	0.1555	mg/L	31.10 ppm
3	Zn 213.856	9142.4	9192.3	0.1738	mg/L	34.76 ppm

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

ID: 2842-5 F=200 Seq. No.: 66 Sample No.: 41 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:42:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	54.6	0.0007	0.00172	mg/L	0.1463	0.34499	ppm	235.85%
Al 308.215	470585.9	51.42	0.505	mg/L	10280	101.0	ppm	0.98%
As 188.979	-17.8	-0.0002	0.00316	mg/L	-0.0425	0.63248	ppm	>999.9%
Ba 233.527	45532.6	0.4207	0.00101	mg/L	84.13	0.202	ppm	0.24%
Be 313.107	-7747.8	-0.0032	0.00002	mg/L	-0.6341	0.00443	ppm	0.70%
Ca 227.547	565.4	6.881	0.1722	mg/L	1376	34.4	ppm	2.50%
Cd 228.802	-38.1	-0.0009	0.00028	mg/L	-0.1841	0.05584	ppm	30.33%
Co 228.616	1194.6	0.0331	0.00179	mg/L	6.623	0.3579	ppm	5.40%
Cr 267.716	3878.6	0.0865	0.00183	mg/L	17.29	0.366	ppm	2.12%
Cu 324.754	5932.9	0.0580	0.00119	mg/L	11.60	0.239	ppm	2.06%
Fe 273.955	1441045.8	69.32	0.189	mg/L	13860	37.9	ppm	0.27%
K 766.491	1126052.0	19.22	0.351	mg/L	3843	70.1	ppm	1.82%
Mg 279.079	209130.5	21.99	0.042	mg/L	4398	8.5	ppm	0.19%
Mn 257.610	240496.6	0.5738	0.00200	mg/L	114.8	0.40	ppm	0.35%
Mo 202.030	24.3	0.0018	0.00161	mg/L	0.3618	0.32135	ppm	88.82%
Na 330.237	1085.1	2.819	0.0880	mg/L	563.8	17.60	ppm	3.12%
Ni 231.604	897.5	0.0227	0.00030	mg/L	4.530	0.0597	ppm	1.32%
Pb 220.353	109.1	0.0093	0.00412	mg/L	1.870	0.8247	ppm	44.11%
Sb 206.833	-25.6	-0.0146	0.00275	mg/L	-2.919	0.5492	ppm	18.82%
Se 196.026	-15.4	0.0078	0.00434	mg/L	1.552	0.8671	ppm	55.86%
Tl 190.800	-9.1	-0.0030	0.01902	mg/L	-0.5931	3.80312	ppm	641.22%
V 292.402	14428.6	0.1526	0.00248	mg/L	30.53	0.496	ppm	1.63%
Zn 213.856	9078.3	0.1716	0.00319	mg/L	34.33	0.638	ppm	1.86%

Replicate Data
ID: 2842-11 F=200 Date: 04/25/03 02:44:58 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-581.1	-160.5	-0.0022	mg/L	-0.4303	ppm
1	Al 308.215	300615.3	300217.1	32.81	mg/L	6561	ppm
1	As 188.979	84.9	90.5	0.0407	mg/L	8.136	ppm
1	Ba 233.527	19932.0	20366.8	0.1882	mg/L	37.63	ppm
1	Be 313.107	-2954.4	-568.3	-0.0002	mg/L	-0.0465	ppm
1	Ca 227.547	885.2	925.8	11.27	mg/L	2253	ppm
1	Cd 228.802	83.5	-46.9	-0.0011	mg/L	-0.2268	ppm
1	Co 228.616	1187.3	1113.5	0.0309	mg/L	6.174	ppm
1	Cr 267.716	2779.4	2860.1	0.0638	mg/L	12.75	ppm
1	Cu 324.754	7021.2	6497.8	0.0635	mg/L	12.71	ppm
1	Fe 273.955	1590499.4	1590694.5	76.52	mg/L	15300	ppm
1	K 766.491	498471.6	490706.4	9.097	mg/L	1819	ppm
1	Mg 279.079	175226.1	176305.0	18.54	mg/L	3708	ppm
1	Mn 257.610	325624.4	329106.3	0.7852	mg/L	157.0	ppm
1	Mo 202.030	-67.6	54.1	0.0040	mg/L	0.8051	ppm
1	Na 330.237	3152.9	1831.6	4.578	mg/L	915.5	ppm
1	Ni 231.604	1531.4	1603.3	0.0405	mg/L	8.093	ppm
1	Pb 220.353	983.9	633.4	0.0439	mg/L	8.789	ppm
1	Sb 206.833	58.6	12.0	0.0000	mg/L	-0.0009	ppm
1	Se 196.026	-81.0	-73.2	-0.0087	mg/L	-1.741	ppm
1	Tl 190.800	-70.3	-25.7	-0.0084	mg/L	-1.684	ppm
1	V 292.402	16543.9	16219.1	0.1715	mg/L	34.30	ppm
1	Zn 213.856	11199.8	11249.8	0.2127	mg/L	42.54	ppm
2	Ag 328.068	-608.2	-187.6	-0.0025	mg/L	-0.5029	ppm
2	Al 308.215	298757.5	298359.3	32.60	mg/L	6521	ppm
2	As 188.979	59.5	65.0	0.0311	mg/L	6.230	ppm
2	Ba 233.527	19058.9	19493.7	0.1801	mg/L	36.02	ppm
2	Be 313.107	-2863.6	-477.5	-0.0002	mg/L	-0.0391	ppm
2	Ca 227.547	742.2	782.8	9.527	mg/L	1905	ppm
2	Cd 228.802	155.2	24.8	0.0006	mg/L	0.1200	ppm
2	Co 228.616	1111.8	1038.0	0.0288	mg/L	5.755	ppm
2	Cr 267.716	2612.5	2693.2	0.0600	mg/L	12.01	ppm
2	Cu 324.754	6998.3	6475.0	0.0633	mg/L	12.65	ppm
2	Fe 273.955	1570199.2	1570394.3	75.54	mg/L	15110	ppm
2	K 766.491	500905.1	493139.9	9.139	mg/L	1828	ppm
2	Mg 279.079	172824.7	173903.6	18.29	mg/L	3657	ppm
2	Mn 257.610	321501.2	324983.1	0.7753	mg/L	155.1	ppm
2	Mo 202.030	-108.4	13.3	0.0010	mg/L	0.1975	ppm
2	Na 330.237	3338.7	2017.4	5.015	mg/L	1003	ppm
2	Ni 231.604	1539.8	1611.7	0.0407	mg/L	8.135	ppm
2	Pb 220.353	864.4	513.9	0.0357	mg/L	7.136	ppm
2	Sb 206.833	70.3	23.7	0.0047	mg/L	0.9439	ppm
2	Se 196.026	-31.8	-24.0	0.0062	mg/L	1.243	ppm
2	Tl 190.800	-78.1	-33.6	-0.0110	mg/L	-2.199	ppm
2	V 292.402	16453.5	16128.6	0.1705	mg/L	34.10	ppm
2	Zn 213.856	10759.3	10809.3	0.2044	mg/L	40.87	ppm
3	Ag 328.068	-358.3	62.4	0.0008	mg/L	0.1673	ppm
3	Al 308.215	296019.9	295621.7	32.30	mg/L	6461	ppm
3	As 188.979	94.5	100.0	0.0441	mg/L	8.818	ppm
3	Ba 233.527	19604.7	20039.5	0.1851	mg/L	37.03	ppm
3	Be 313.107	-2741.2	-355.1	-0.0001	mg/L	-0.0291	ppm
3	Ca 227.547	821.2	861.8	10.49	mg/L	2098	ppm
3	Cd 228.802	161.0	30.6	0.0007	mg/L	0.1478	ppm
3	Co 228.616	1142.5	1068.7	0.0296	mg/L	5.925	ppm
3	Cr 267.716	2689.1	2769.9	0.0618	mg/L	12.35	ppm
3	Cu 324.754	6785.9	6262.6	0.0613	mg/L	12.26	ppm
3	Fe 273.955	1556911.4	1557106.5	74.90	mg/L	14980	ppm
3	K 766.491	499285.6	491520.4	9.111	mg/L	1822	ppm
3	Mg 279.079	170571.9	171650.7	18.05	mg/L	3610	ppm
3	Mn 257.610	318475.1	321956.9	0.7681	mg/L	153.6	ppm
3	Mo 202.030	-93.1	28.6	0.0021	mg/L	0.4257	ppm
3	Na 330.237	3403.4	2082.1	5.167	mg/L	1033	ppm
3	Ni 231.604	1591.0	1662.8	0.0420	mg/L	8.394	ppm
3	Pb 220.353	910.9	560.4	0.0389	mg/L	7.780	ppm

3 Sb 206.833	73.2	26.7	0.0059	mg/L	1.185	ppm
3 Se 196.026	-38.5	-30.7	0.0040	mg/L	0.8085	ppm
3 Tl 190.800	-67.4	-22.8	-0.0075	mg/L	-1.494	ppm
3 V 292.402	16194.9	15870.0	0.1678	mg/L	33.56	ppm
3 Zn 213.856	11107.5	11157.4	0.2109	mg/L	42.19	ppm

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

ID: 2842-11 F=200 Seq. No.: 67 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: 04/25/03 02:44:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-95.2	-0.0013	0.00184	mg/L	-0.2553	0.36778	ppm	144.07%
Al 308.215	298066.0	32.57	0.253	mg/L	6514	50.5	ppm	0.78%
As 188.979	85.2	0.0386	0.00671	mg/L	7.728	1.3415	ppm	17.36%
Ba 233.527	19966.6	0.1845	0.00408	mg/L	36.89	0.815	ppm	2.21%
Be 313.107	-467.0	-0.0002	0.00004	mg/L	-0.0382	0.00876	ppm	22.92%
Ca 227.547	856.8	10.43	0.872	mg/L	2085	174.3	ppm	8.36%
Cd 228.802	2.8	0.0001	0.00104	mg/L	0.0137	0.20870	ppm	>999.9%
Co 228.616	1073.4	0.0298	0.00105	mg/L	5.951	0.2105	ppm	3.54%
Cr 267.716	2774.4	0.0619	0.00186	mg/L	12.37	0.373	ppm	3.01%
Cu 324.754	6411.8	0.0627	0.00121	mg/L	12.54	0.242	ppm	1.93%
Fe 273.955	1572731.8	75.65	0.814	mg/L	15130	162.7	ppm	1.08%
K 766.491	491788.9	9.115	0.0213	mg/L	1823	4.3	ppm	0.23%
Mg 279.079	173953.1	18.29	0.245	mg/L	3658	49.0	ppm	1.34%
Mn 257.610	325348.8	0.7762	0.00856	mg/L	155.2	1.71	ppm	1.10%
Mo 202.030	32.0	0.0024	0.00153	mg/L	0.4761	0.30692	ppm	64.47%
Na 330.237	1977.0	4.920	0.3058	mg/L	983.9	61.17	ppm	6.22%
Ni 231.604	1625.9	0.0410	0.00081	mg/L	8.207	0.1626	ppm	1.98%
Pb 220.353	569.2	0.0395	0.00417	mg/L	7.902	0.8330	ppm	10.54%
Sb 206.833	20.8	0.0035	0.00313	mg/L	0.7093	0.62679	ppm	88.37%
Se 196.026	-42.7	0.0005	0.00806	mg/L	0.1036	1.61180	ppm	>999.9%
Tl 190.800	-27.4	-0.0090	0.00182	mg/L	-1.793	0.3647	ppm	20.34%
V 292.402	16072.6	0.1699	0.00191	mg/L	33.98	0.381	ppm	1.12%
Zn 213.856	11072.2	0.2093	0.00439	mg/L	41.87	0.878	ppm	2.10%

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

ID: 2842-12 F=200 Date: 04/25/03 02:47:28 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-400.9	19.7	0.0003	mg/L	0.0529	ppm
1	Al 308.215	285795.9	285397.7	31.19	mg/L	6237	ppm
1	As 188.979	-2.9	2.6	0.0058	mg/L	1.164	ppm
1	Ba 233.527	31952.2	32387.0	0.2992	mg/L	59.84	ppm
1	Be 313.107	-10407.4	-8021.3	-0.0033	mg/L	-0.6565	ppm
1	Ca 227.547	547.0	587.6	7.151	mg/L	1430	ppm
1	Cd 228.802	56.6	-73.9	-0.0018	mg/L	-0.3573	ppm
1	Co 228.616	1016.9	943.0	0.0261	mg/L	5.229	ppm
1	Cr 267.716	2757.6	2838.4	0.0633	mg/L	12.66	ppm
1	Cu 324.754	3015.4	2492.1	0.0223	mg/L	4.469	ppm
1	Fe 273.955	1086273.1	1086468.2	52.26	mg/L	10450	ppm
1	K 766.491	653874.3	646109.1	11.71	mg/L	2343	ppm
1	Mg 279.079	124695.5	125774.4	13.23	mg/L	2645	ppm
1	Mn 257.610	204159.6	207641.5	0.4954	mg/L	99.08	ppm
1	Mo 202.030	-100.7	21.0	0.0016	mg/L	0.3128	ppm
1	Na 330.237	1342.9	21.6	0.3043	mg/L	60.86	ppm
1	Ni 231.604	509.8	581.6	0.0147	mg/L	2.936	ppm
1	Pb 220.353	368.8	18.3	0.0020	mg/L	0.4013	ppm
1	Sb 206.833	-8.5	-55.1	-0.0253	mg/L	-5.056	ppm
1	Se 196.026	-55.4	-47.6	-0.0052	mg/L	-1.041	ppm
1	Tl 190.800	-76.8	-32.2	-0.0105	mg/L	-2.110	ppm
1	V 292.402	15802.9	15478.1	0.1578	mg/L	31.56	ppm
1	Zn 213.856	5183.9	5233.9	0.0990	mg/L	19.79	ppm
2	Ag 328.068	-319.6	101.0	0.0014	mg/L	0.2709	ppm
2	Al 308.215	297935.0	297536.8	32.51	mg/L	6503	ppm
2	As 188.979	-27.5	-22.0	-0.0032	mg/L	-0.6393	ppm
2	Ba 233.527	31184.7	31619.5	0.2921	mg/L	58.42	ppm
2	Be 313.107	-10519.9	-8133.8	-0.0033	mg/L	-0.6657	ppm
2	Ca 227.547	581.1	621.8	7.567	mg/L	1513	ppm

2 Cd 228.802	185.3	54.8	0.0013	mg/L	0.2652	ppm
2 Co 228.616	928.9	855.1	0.0237	mg/L	4.741	ppm
2 Cr 267.716	2868.3	2949.1	0.0657	mg/L	13.15	ppm
2 Cu 324.754	3088.8	2565.5	0.0230	mg/L	4.601	ppm
2 Fe 273.955	1117551.0	1117746.1	53.77	mg/L	10750	ppm
2 K 766.491	705049.3	697284.0	12.55	mg/L	2511	ppm
2 Mg 279.079	128071.4	129150.3	13.58	mg/L	2716	ppm
2 Mn 257.610	210334.9	213816.7	0.5101	mg/L	102.0	ppm
2 Mo 202.030	-109.3	12.3	0.0009	mg/L	0.1839	ppm
2 Na 330.237	1761.6	440.3	1.295	mg/L	259.1	ppm
2 Ni 231.604	517.1	588.9	0.0149	mg/L	2.973	ppm
2 Pb 220.353	403.4	52.9	0.0045	mg/L	0.8915	ppm
2 Sb 206.833	39.5	-7.1	-0.0062	mg/L	-1.242	ppm
2 Se 196.026	-3.6	4.2	0.0110	mg/L	2.194	ppm
2 Tl 190.800	-38.8	5.8	0.0019	mg/L	0.3795	ppm
2 V 292.402	16400.3	16075.5	0.1639	mg/L	32.78	ppm
2 Zn 213.856	5196.0	5246.0	0.0992	mg/L	19.84	ppm
3 Ag 328.068	-473.5	-52.9	-0.0007	mg/L	-0.1417	ppm
3 Al 308.215	289646.0	289247.8	31.61	mg/L	6322	ppm
3 As 188.979	-40.6	-35.1	-0.0082	mg/L	-1.645	ppm
3 Ba 233.527	32191.9	32626.6	0.3014	mg/L	60.29	ppm
3 Be 313.107	-10473.8	-8087.7	-0.0033	mg/L	-0.6620	ppm
3 Ca 227.547	542.5	583.2	7.097	mg/L	1419	ppm
3 Cd 228.802	121.4	-9.0	-0.0002	mg/L	-0.0437	ppm
3 Co 228.616	845.9	772.0	0.0214	mg/L	4.280	ppm
3 Cr 267.716	2769.3	2850.1	0.0635	mg/L	12.71	ppm
3 Cu 324.754	2975.7	2452.3	0.0220	mg/L	4.398	ppm
3 Fe 273.955	1081588.1	1081783.2	52.04	mg/L	10410	ppm
3 K 766.491	704590.5	696825.3	12.55	mg/L	2509	ppm
3 Mg 279.079	123198.0	124276.9	13.07	mg/L	2614	ppm
3 Mn 257.610	203737.3	207219.2	0.4944	mg/L	98.87	ppm
3 Mo 202.030	-132.2	-10.5	-0.0008	mg/L	-0.1561	ppm
3 Na 330.237	1242.5	-78.8	0.0665	mg/L	13.29	ppm
3 Ni 231.604	607.6	679.4	0.0171	mg/L	3.429	ppm
3 Pb 220.353	497.3	146.8	0.0110	mg/L	2.191	ppm
3 Sb 206.833	9.0	-37.5	-0.0183	mg/L	-3.651	ppm
3 Se 196.026	-26.7	-18.9	0.0036	mg/L	0.7105	ppm
3 Tl 190.800	-40.8	3.8	0.0012	mg/L	0.2492	ppm
3 V 292.402	15914.9	15590.0	0.1589	mg/L	31.79	ppm
3 Zn 213.856	5425.6	5475.6	0.1035	mg/L	20.70	ppm

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

ID: 2842-12 F=200 Seq. No.: 68 Sample No.: 43 A/S Pos: 52
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:47:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	22.6	0.0003	0.00103	mg/L	0.0607	0.20643	ppm	340.21%
Al 308.215	290727.5	31.77	0.678	mg/L	6354	135.6	ppm	2.13%
As 188.979	-18.2	-0.0019	0.00712	mg/L	-0.3734	1.42337	ppm	381.19%
Ba 233.527	32211.0	0.2976	0.00486	mg/L	59.52	0.972	ppm	1.63%
Be 313.107	-8080.9	-0.0033	0.00002	mg/L	-0.6614	0.00463	ppm	0.70%
Ca 227.547	597.5	7.272	0.2571	mg/L	1454	51.4	ppm	3.54%
Cd 228.802	-9.4	-0.0002	0.00156	mg/L	-0.0452	0.31126	ppm	687.96%
Co 228.616	856.7	0.0237	0.00237	mg/L	4.750	0.4741	ppm	9.98%
Cr 267.716	2879.2	0.0642	0.00136	mg/L	12.84	0.271	ppm	2.11%
Cu 324.754	2503.3	0.0224	0.00051	mg/L	4.489	0.1030	ppm	2.29%
Fe 273.955	1095332.5	52.69	0.940	mg/L	10540	188.1	ppm	1.78%
K 766.491	680072.8	12.27	0.483	mg/L	2454	96.5	ppm	3.93%
Mg 279.079	126400.5	13.29	0.263	mg/L	2658	52.5	ppm	1.97%
Mn 257.610	209559.2	0.5000	0.00881	mg/L	99.99	1.762	ppm	1.76%
Mo 202.030	7.6	0.0006	0.00121	mg/L	0.1135	0.24224	ppm	213.37%
Na 330.237	127.7	0.5554	0.65187	mg/L	111.1	130.37	ppm	117.37%
Ni 231.604	616.7	0.0156	0.00137	mg/L	3.113	0.2749	ppm	8.83%
Pb 220.353	72.7	0.0058	0.00462	mg/L	1.161	0.9249	ppm	79.64%
Sb 206.833	-33.2	-0.0166	0.00964	mg/L	-3.316	1.9287	ppm	58.16%
Se 196.026	-20.8	0.0031	0.00809	mg/L	0.6212	1.61893	ppm	260.61%
Tl 190.800	-7.5	-0.0025	0.00701	mg/L	-0.4937	1.40111	ppm	283.79%
V 292.402	15714.6	0.1602	0.00324	mg/L	32.04	0.648	ppm	2.02%
Zn 213.856	5318.5	0.1006	0.00257	mg/L	20.11	0.515	ppm	2.56%

Replicate Data
ID: 2842-14 F=200 Date: 04/25/03 02:50:18 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-367.7	53.0	0.0007	mg/L	0.1420	ppm
1	Al 308.215	274700.5	274302.3	29.97	mg/L	5995	ppm
1	As 188.979	11.2	16.7	0.0108	mg/L	2.151	ppm
1	Ba 233.527	16519.5	16954.3	0.1566	mg/L	31.33	ppm
1	Be 313.107	-5217.2	-2831.1	-0.0012	mg/L	-0.2317	ppm
1	Ca 227.547	829.0	869.7	10.58	mg/L	2117	ppm
1	Cd 228.802	123.9	-6.5	-0.0002	mg/L	-0.0314	ppm
1	Co 228.616	825.7	751.9	0.0208	mg/L	4.169	ppm
1	Cr 267.716	2348.3	2429.1	0.0542	mg/L	10.83	ppm
1	Cu 324.754	3351.5	2828.2	0.0254	mg/L	5.072	ppm
1	Fe 273.955	1018249.2	1018444.3	48.99	mg/L	9798	ppm
1	K 766.491	572179.8	564414.6	10.35	mg/L	2070	ppm
1	Mg 279.079	147630.8	148709.7	15.64	mg/L	3128	ppm
1	Mn 257.610	252363.0	255844.9	0.6104	mg/L	122.1	ppm
1	Mo 202.030	-115.0	6.7	0.0005	mg/L	0.0996	ppm
1	Na 330.237	2282.8	961.5	2.527	mg/L	505.4	ppm
1	Ni 231.604	815.5	887.3	0.0224	mg/L	4.479	ppm
1	Pb 220.353	726.0	375.5	0.0268	mg/L	5.355	ppm
1	Sb 206.833	56.6	10.0	0.0009	mg/L	0.1824	ppm
1	Se 196.026	-12.5	-4.8	0.0074	mg/L	1.472	ppm
1	Tl 190.800	-54.9	-10.3	-0.0034	mg/L	-0.6773	ppm
1	V 292.402	10760.2	10435.4	0.1064	mg/L	21.28	ppm
1	Zn 213.856	8348.0	8398.0	0.1588	mg/L	31.75	ppm
2	Ag 328.068	-378.6	42.0	0.0006	mg/L	0.1127	ppm
2	Al 308.215	280758.2	280360.1	30.64	mg/L	6127	ppm
2	As 188.979	13.5	19.0	0.0116	mg/L	2.314	ppm
2	Ba 233.527	16347.5	16782.2	0.1550	mg/L	31.01	ppm
2	Be 313.107	-5155.1	-2769.0	-0.0011	mg/L	-0.2266	ppm
2	Ca 227.547	825.3	866.0	10.54	mg/L	2108	ppm
2	Cd 228.802	113.4	-17.0	-0.0004	mg/L	-0.0822	ppm
2	Co 228.616	831.5	757.7	0.0210	mg/L	4.201	ppm
2	Cr 267.716	2295.0	2375.8	0.0530	mg/L	10.59	ppm
2	Cu 324.754	3479.1	2955.7	0.0265	mg/L	5.300	ppm
2	Fe 273.955	1014044.7	1014239.8	48.79	mg/L	9758	ppm
2	K 766.491	648480.9	640715.7	11.62	mg/L	2325	ppm
2	Mg 279.079	145643.3	146722.2	15.43	mg/L	3086	ppm
2	Mn 257.610	250783.1	254264.9	0.6066	mg/L	121.3	ppm
2	Mo 202.030	-123.8	-2.1	-0.0002	mg/L	-0.0312	ppm
2	Na 330.237	2220.9	899.6	2.381	mg/L	476.2	ppm
2	Ni 231.604	815.0	886.8	0.0224	mg/L	4.476	ppm
2	Pb 220.353	719.4	368.9	0.0264	mg/L	5.276	ppm
2	Sb 206.833	32.9	-13.6	-0.0085	mg/L	-1.701	ppm
2	Se 196.026	-28.2	-20.5	0.0025	mg/L	0.5003	ppm
2	Tl 190.800	-66.2	-21.6	-0.0071	mg/L	-1.416	ppm
2	V 292.402	11163.2	10838.3	0.1105	mg/L	22.10	ppm
2	Zn 213.856	8244.0	8294.0	0.1568	mg/L	31.36	ppm
3	Ag 328.068	-407.9	12.7	0.0002	mg/L	0.0342	ppm
3	Al 308.215	270942.2	270544.0	29.56	mg/L	5913	ppm
3	As 188.979	17.2	22.7	0.0128	mg/L	2.562	ppm
3	Ba 233.527	16059.3	16494.1	0.1524	mg/L	30.48	ppm
3	Be 313.107	-5180.6	-2794.5	-0.0011	mg/L	-0.2287	ppm
3	Ca 227.547	854.5	895.2	10.89	mg/L	2179	ppm
3	Cd 228.802	116.0	-14.4	-0.0003	mg/L	-0.0699	ppm
3	Co 228.616	832.1	758.3	0.0210	mg/L	4.204	ppm
3	Cr 267.716	2290.4	2371.1	0.0529	mg/L	10.57	ppm
3	Cu 324.754	3326.7	2803.3	0.0251	mg/L	5.027	ppm
3	Fe 273.955	985258.7	985453.8	47.40	mg/L	9481	ppm
3	K 766.491	614300.4	606535.2	11.06	mg/L	2211	ppm
3	Mg 279.079	141282.6	142361.4	14.97	mg/L	2994	ppm
3	Mn 257.610	243336.4	246818.2	0.5888	mg/L	117.8	ppm
3	Mo 202.030	-120.1	1.6	0.0001	mg/L	0.0233	ppm
3	Na 330.237	2415.2	1093.9	2.840	mg/L	567.9	ppm
3	Ni 231.604	833.6	905.4	0.0229	mg/L	4.570	ppm
3	Pb 220.353	745.0	394.5	0.0281	mg/L	5.623	ppm
3	Sb 206.833	43.1	-3.5	-0.0044	mg/L	-0.8760	ppm

3	Se 196.026	-20.9	-13.1	0.0045	mg/L	0.9035 ppm
3	Tl 190.800	-49.6	-5.0	-0.0017	mg/L	-0.3306 ppm
3	V 292.402	10737.7	10412.8	0.1062	mg/L	21.23 ppm
3	Zn 213.856	8263.4	8313.4	0.1572	mg/L	31.43 ppm

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

ID: 2842-14 F=200 Seq. No.: 69 Sample No.: 44 A/S Pos: 53
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:50:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	35.9	0.0005	0.00028	mg/L	0.0963	0.05578	ppm	57.92%
Al 308.215	275068.8	30.06	0.541	mg/L	6012	108.2	ppm	1.80%
As 188.979	19.5	0.0117	0.00103	mg/L	2.342	0.2068	ppm	8.83%
Ba 233.527	16743.5	0.1547	0.00215	mg/L	30.94	0.430	ppm	1.39%
Be 313.107	-2798.2	-0.0011	0.00001	mg/L	-0.2290	0.00255	ppm	1.12%
Ca 227.547	877.0	10.67	0.193	mg/L	2134	38.7	ppm	1.81%
Cd 228.802	-12.6	-0.0003	0.00013	mg/L	-0.0611	0.02650	ppm	43.35%
Co 228.616	755.9	0.0210	0.00010	mg/L	4.191	0.0196	ppm	0.47%
Cr 267.716	2392.0	0.0533	0.00072	mg/L	10.67	0.144	ppm	1.35%
Cu 324.754	2862.4	0.0257	0.00073	mg/L	5.133	0.1466	ppm	2.86%
Fe 273.955	1006046.0	48.39	0.864	mg/L	9679	172.8	ppm	1.78%
K 766.491	603888.5	11.01	0.638	mg/L	2202	127.6	ppm	5.79%
Mg 279.079	145931.1	15.35	0.341	mg/L	3069	68.3	ppm	2.23%
Mn 257.610	252309.4	0.6019	0.01150	mg/L	120.4	2.30	ppm	1.91%
Mo 202.030	2.1	0.0002	0.00033	mg/L	0.0306	0.06571	ppm	214.89%
Na 330.237	985.0	2.583	0.2343	mg/L	516.5	46.86	ppm	9.07%
Ni 231.604	893.2	0.0225	0.00027	mg/L	4.509	0.0536	ppm	1.19%
Pb 220.353	379.6	0.0271	0.00091	mg/L	5.418	0.1818	ppm	3.36%
Sb 206.833	-2.4	-0.0040	0.00472	mg/L	-0.7984	0.94434	ppm	118.28%
Se 196.026	-12.8	0.0048	0.00244	mg/L	0.9586	0.48819	ppm	50.93%
Tl 190.800	-12.3	-0.0040	0.00277	mg/L	-0.8081	0.55463	ppm	68.63%
V 292.402	10562.2	0.1077	0.00244	mg/L	21.54	0.488	ppm	2.27%
Zn 213.856	8335.1	0.1576	0.00105	mg/L	31.52	0.209	ppm	0.66%

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

ID: 2842-15 F=200 Date: 04/25/03 02:53:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-343.8	76.9	0.0010	mg/L	0.2062	ppm
1	Al 308.215	422972.0	422573.8	46.18	mg/L	9235	ppm
1	As 188.979	-10.2	-4.7	0.0053	mg/L	1.066	ppm
1	Ba 233.527	26997.1	27431.8	0.2534	mg/L	50.69	ppm
1	Be 313.107	-4702.4	-2316.3	-0.0009	mg/L	-0.1896	ppm
1	Ca 227.547	1034.0	1074.7	13.08	mg/L	2616	ppm
1	Cd 228.802	132.1	1.7	0.0000	mg/L	0.0081	ppm
1	Co 228.616	1266.0	1192.1	0.0330	mg/L	6.609	ppm
1	Cr 267.716	3392.1	3472.9	0.0774	mg/L	15.49	ppm
1	Cu 324.754	8680.0	8156.6	0.0784	mg/L	15.68	ppm
1	Fe 273.955	1591524.4	1591719.5	76.57	mg/L	15310	ppm
1	K 766.491	1059555.7	1051790.5	18.11	mg/L	3621	ppm
1	Mg 279.079	220389.1	221467.9	23.29	mg/L	4658	ppm
1	Mn 257.610	442685.1	446167.0	1.064	mg/L	212.9	ppm
1	Mo 202.030	-138.4	-16.7	-0.0012	mg/L	-0.2485	ppm
1	Na 330.237	2315.1	993.8	2.603	mg/L	520.7	ppm
1	Ni 231.604	1414.6	1486.4	0.0375	mg/L	7.503	ppm
1	Pb 220.353	938.8	588.3	0.0419	mg/L	8.379	ppm
1	Sb 206.833	48.1	1.6	-0.0042	mg/L	-0.8368	ppm
1	Se 196.026	-20.2	-12.4	0.0100	mg/L	1.996	ppm
1	Tl 190.800	-74.0	-29.4	-0.0096	mg/L	-1.929	ppm
1	V 292.402	14112.2	13787.3	0.1467	mg/L	29.34	ppm
1	Zn 213.856	15424.3	15474.3	0.2926	mg/L	58.51	ppm
2	Ag 328.068	-488.4	-67.7	-0.0009	mg/L	-0.1815	ppm
2	Al 308.215	400681.2	400283.0	43.74	mg/L	8748	ppm
2	As 188.979	22.7	28.2	0.0172	mg/L	3.449	ppm
2	Ba 233.527	25494.1	25928.9	0.2395	mg/L	47.91	ppm
2	Be 313.107	-4662.8	-2276.7	-0.0009	mg/L	-0.1863	ppm
2	Ca 227.547	911.8	952.5	11.59	mg/L	2318	ppm
2	Cd 228.802	33.6	-96.9	-0.0023	mg/L	-0.4685	ppm

2	Co 228.616	1246.8	1172.9	0.0325	mg/L	6.503 ppm
2	Cr 267.716	3241.5	3322.3	0.0741	mg/L	14.81 ppm
2	Cu 324.754	8479.8	7956.4	0.0764	mg/L	15.28 ppm
2	Fe 273.955	1519134.8	1519329.9	73.08	mg/L	14620 ppm
2	K 766.491	1064952.6	1057187.4	18.19	mg/L	3637 ppm
2	Mg 279.079	208720.7	209799.5	22.06	mg/L	4412 ppm
2	Mn 257.610	420040.4	423522.3	1.010	mg/L	202.1 ppm
2	Mo 202.030	-81.3	40.4	0.0030	mg/L	0.6021 ppm
2	Na 330.237	2050.2	728.9	1.978	mg/L	395.6 ppm
2	Ni 231.604	1326.7	1398.6	0.0353	mg/L	7.060 ppm
2	Pb 220.353	832.2	481.7	0.0344	mg/L	6.886 ppm
2	Sb 206.833	59.5	12.9	0.0006	mg/L	0.1129 ppm
2	Se 196.026	-11.3	-3.5	0.0121	mg/L	2.419 ppm
2	Tl 190.800	-103.6	-59.0	-0.0193	mg/L	-3.867 ppm
2	V 292.402	13540.0	13215.2	0.1406	mg/L	28.12 ppm
2	Zn 213.856	14545.5	14595.4	0.2759	mg/L	55.19 ppm
3	Ag 328.068	-473.1	-52.5	-0.0007	mg/L	-0.1407 ppm
3	Al 308.215	386343.4	385945.2	42.17	mg/L	8435 ppm
3	As 188.979	43.7	49.3	0.0249	mg/L	4.977 ppm
3	Ba 233.527	25479.7	25914.5	0.2394	mg/L	47.88 ppm
3	Be 313.107	-4697.7	-2311.6	-0.0009	mg/L	-0.1892 ppm
3	Ca 227.547	917.9	958.6	11.67	mg/L	2333 ppm
3	Cd 228.802	121.7	-8.7	-0.0002	mg/L	-0.0421 ppm
3	Co 228.616	1214.3	1140.4	0.0316	mg/L	6.323 ppm
3	Cr 267.716	3182.4	3263.2	0.0728	mg/L	14.55 ppm
3	Cu 324.754	8281.7	7758.3	0.0745	mg/L	14.89 ppm
3	Fe 273.955	1478802.2	1478997.3	71.14	mg/L	14230 ppm
3	K 766.491	1009402.5	1001637.3	17.35	mg/L	3469 ppm
3	Mg 279.079	203101.3	204180.2	21.47	mg/L	4294 ppm
3	Mn 257.610	407794.7	411276.6	0.9812	mg/L	196.2 ppm
3	Mo 202.030	-174.9	-53.3	-0.0040	mg/L	-0.7933 ppm
3	Na 330.237	2150.4	829.1	2.214	mg/L	442.9 ppm
3	Ni 231.604	1285.8	1357.6	0.0343	mg/L	6.853 ppm
3	Pb 220.353	802.3	451.8	0.0323	mg/L	6.459 ppm
3	Sb 206.833	53.1	6.6	-0.0019	mg/L	-0.3714 ppm
3	Se 196.026	17.0	24.8	0.0204	mg/L	4.082 ppm
3	Tl 190.800	-15.1	29.4	0.0096	mg/L	1.929 ppm
3	V 292.402	13025.9	12701.1	0.1352	mg/L	27.04 ppm
3	Zn 213.856	14671.1	14721.0	0.2783	mg/L	55.66 ppm

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

ID: 2842-15 F=200 Seq. No.: 70 Sample No.: 45 A/S Pos: 54
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:53:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-14.4	-0.0002	0.00107	mg/L	-0.0387	0.21303	ppm	550.48%
Al 308.215	402934.0	44.03	2.017	mg/L	8806	403.4	ppm	4.58%
As 188.979	24.3	0.0158	0.00985	mg/L	3.164	1.9708	ppm	62.29%
Ba 233.527	26425.1	0.2441	0.00806	mg/L	48.83	1.611	ppm	3.30%
Be 313.107	-2301.5	-0.0009	0.00001	mg/L	-0.1884	0.00177	ppm	0.94%
Ca 227.547	995.2	12.11	0.838	mg/L	2422	167.6	ppm	6.92%
Cd 228.802	-34.6	-0.0008	0.00131	mg/L	-0.1675	0.26190	ppm	156.33%
Co 228.616	1168.5	0.0324	0.00072	mg/L	6.478	0.1448	ppm	2.24%
Cr 267.716	3352.8	0.0747	0.00241	mg/L	14.95	0.482	ppm	3.23%
Cu 324.754	7957.1	0.0764	0.00197	mg/L	15.28	0.395	ppm	2.58%
Fe 273.955	1530015.6	73.60	2.747	mg/L	14720	549.5	ppm	3.73%
K 766.491	1036871.7	17.88	0.464	mg/L	3576	92.8	ppm	2.59%
Mg 279.079	211815.9	22.27	0.927	mg/L	4455	185.5	ppm	4.16%
Mn 257.610	426988.6	1.019	0.0422	mg/L	203.7	8.45	ppm	4.15%
Mo 202.030	-9.8	-0.0007	0.00352	mg/L	-0.1466	0.70327	ppm	479.85%
Na 330.237	850.6	2.265	0.3159	mg/L	453.0	63.17	ppm	13.94%
Ni 231.604	1414.2	0.0357	0.00166	mg/L	7.139	0.3322	ppm	4.65%
Pb 220.353	507.3	0.0362	0.00504	mg/L	7.242	1.0081	ppm	13.92%
Sb 206.833	7.0	-0.0018	0.00237	mg/L	-0.3651	0.47488	ppm	130.06%
Se 196.026	3.0	0.0142	0.00551	mg/L	2.833	1.1029	ppm	38.94%
Tl 190.800	-19.7	-0.0064	0.01475	mg/L	-1.289	2.9508	ppm	228.91%
V 292.402	13234.5	0.1408	0.00576	mg/L	28.16	1.152	ppm	4.09%
Zn 213.856	14930.2	0.2823	0.00899	mg/L	56.45	1.797	ppm	3.18%

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

ID: 2842-17 F=200 Date: 04/25/03 02:56:02 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-320.4	100.2	0.0013	mg/L	0.2687	ppm
1	Al 308.215	319923.4	319525.2	34.92	mg/L	6983	ppm
1	As 188.979	83.3	88.8	0.0398	mg/L	7.962	ppm
1	Ba 233.527	22519.5	22954.3	0.2121	mg/L	42.41	ppm
1	Be 313.107	-1859.7	526.4	0.0002	mg/L	0.0431	ppm
1	Ca 227.547	881.7	922.4	11.22	mg/L	2245	ppm
1	Cd 228.802	130.2	-0.2	0.0000	mg/L	-0.0010	ppm
1	Co 228.616	1030.4	956.6	0.0265	mg/L	5.303	ppm
1	Cr 267.716	2914.0	2994.8	0.0668	mg/L	13.35	ppm
1	Cu 324.754	5788.1	5264.8	0.0523	mg/L	10.46	ppm
1	Fe 273.955	1532415.3	1532610.4	73.72	mg/L	14740	ppm
1	K 766.491	507785.4	500020.2	9.257	mg/L	1851	ppm
1	Mg 279.079	164434.8	165513.6	17.40	mg/L	3481	ppm
1	Mn 257.610	434253.3	437735.1	1.044	mg/L	208.9	ppm
1	Mo 202.030	-158.6	-36.9	-0.0027	mg/L	-0.5498	ppm
1	Na 330.237	2669.1	1347.8	3.438	mg/L	687.6	ppm
1	Ni 231.604	1468.2	1540.0	0.0389	mg/L	7.774	ppm
1	Pb 220.353	919.9	569.4	0.0398	mg/L	7.955	ppm
1	Sb 206.833	2.5	-44.1	-0.0222	mg/L	-4.444	ppm
1	Se 196.026	-0.1	7.7	0.0156	mg/L	3.128	ppm
1	Tl 190.800	-82.8	-38.2	-0.0125	mg/L	-2.502	ppm
1	V 292.402	14075.4	13750.6	0.1461	mg/L	29.22	ppm
1	Zn 213.856	11668.0	11718.0	0.2215	mg/L	44.31	ppm
2	Ag 328.068	-554.3	-133.7	-0.0018	mg/L	-0.3584	ppm
2	Al 308.215	314111.5	313713.3	34.28	mg/L	6856	ppm
2	As 188.979	36.1	41.6	0.0221	mg/L	4.429	ppm
2	Ba 233.527	21841.3	22276.1	0.2058	mg/L	41.16	ppm
2	Be 313.107	-2259.3	126.8	0.0001	mg/L	0.0104	ppm
2	Ca 227.547	821.8	862.5	10.50	mg/L	2099	ppm
2	Cd 228.802	77.9	-52.5	-0.0013	mg/L	-0.2541	ppm
2	Co 228.616	1120.1	1046.2	0.0290	mg/L	5.801	ppm
2	Cr 267.716	2645.5	2726.3	0.0608	mg/L	12.16	ppm
2	Cu 324.754	5694.2	5170.9	0.0514	mg/L	10.27	ppm
2	Fe 273.955	1504237.6	1504432.7	72.37	mg/L	14470	ppm
2	K 766.491	490749.5	482984.3	8.964	mg/L	1793	ppm
2	Mg 279.079	160311.7	161390.5	16.97	mg/L	3394	ppm
2	Mn 257.610	424658.8	428140.7	1.021	mg/L	204.3	ppm
2	Mo 202.030	-82.6	39.0	0.0029	mg/L	0.5815	ppm
2	Na 330.237	2547.9	1226.6	3.153	mg/L	630.5	ppm
2	Ni 231.604	1444.1	1515.9	0.0383	mg/L	7.652	ppm
2	Pb 220.353	886.4	535.9	0.0374	mg/L	7.489	ppm
2	Sb 206.833	17.2	-29.4	-0.0163	mg/L	-3.257	ppm
2	Se 196.026	-21.9	-14.1	0.0087	mg/L	1.742	ppm
2	Tl 190.800	-55.2	-10.6	-0.0035	mg/L	-0.6946	ppm
2	V 292.402	13635.1	13310.2	0.1415	mg/L	28.30	ppm
2	Zn 213.856	11364.1	11414.1	0.2158	mg/L	43.16	ppm
3	Ag 328.068	-490.1	-69.4	-0.0009	mg/L	-0.1862	ppm
3	Al 308.215	305057.8	304659.6	33.29	mg/L	6658	ppm
3	As 188.979	57.8	63.3	0.0300	mg/L	6.007	ppm
3	Ba 233.527	22574.2	23009.0	0.2126	mg/L	42.51	ppm
3	Be 313.107	-2035.4	350.7	0.0001	mg/L	0.0287	ppm
3	Ca 227.547	879.6	920.3	11.20	mg/L	2240	ppm
3	Cd 228.802	87.7	-42.7	-0.0010	mg/L	-0.2067	ppm
3	Co 228.616	1099.0	1025.2	0.0284	mg/L	5.684	ppm
3	Cr 267.716	2815.6	2896.3	0.0646	mg/L	12.91	ppm
3	Cu 324.754	5306.0	4782.7	0.0477	mg/L	9.549	ppm
3	Fe 273.955	1465952.3	1466147.4	70.53	mg/L	14110	ppm
3	K 766.491	480307.0	472541.7	8.784	mg/L	1757	ppm
3	Mg 279.079	156317.5	157396.3	16.55	mg/L	3310	ppm
3	Mn 257.610	413787.7	417269.6	0.9955	mg/L	199.1	ppm
3	Mo 202.030	-115.5	6.1	0.0005	mg/L	0.0913	ppm
3	Na 330.237	2766.2	1444.9	3.667	mg/L	733.4	ppm
3	Ni 231.604	1411.6	1483.4	0.0374	mg/L	7.488	ppm
3	Pb 220.353	993.2	642.7	0.0448	mg/L	8.966	ppm
3	Sb 206.833	-5.0	-51.6	-0.0250	mg/L	-5.002	ppm
3	Se 196.026	-19.5	-11.7	0.0091	mg/L	1.821	ppm

3 Tl 190.800	-52.7	-8.1	-0.0027 mg/L	-0.5308 ppm
3 V 292.402	13426.1	13101.3	0.1392 mg/L	27.84 ppm
3 Zn 213.856	11649.0	11698.9	0.2212 mg/L	44.24 ppm

Mean Data

ID: 2842-17 F=200 Seq. No.: 71 Sample No.: 46 A/S Pos: 55
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:56:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-34.3	-0.0005	0.00162	mg/L	-0.0920	0.32402	ppm	352.33%
Al 308.215	312632.7	34.16	0.819	mg/L	6833	163.7	ppm	2.40%
As 188.979	64.6	0.0307	0.00885	mg/L	6.133	1.7701	ppm	28.86%
Ba 233.527	22746.4	0.2101	0.00377	mg/L	42.03	0.754	ppm	1.79%
Be 313.107	334.7	0.0001	0.00008	mg/L	0.0274	0.01639	ppm	59.86%
Ca 227.547	901.7	10.97	0.413	mg/L	2195	82.7	ppm	3.77%
Cd 228.802	-31.8	-0.0008	0.00067	mg/L	-0.1539	0.13457	ppm	87.43%
Co 228.616	1009.3	0.0280	0.00130	mg/L	5.596	0.2600	ppm	4.65%
Cr 267.716	2872.5	0.0640	0.00303	mg/L	12.81	0.606	ppm	4.73%
Cu 324.754	5072.8	0.0505	0.00240	mg/L	10.09	0.480	ppm	4.75%
Fe 273.955	1501063.5	72.21	1.605	mg/L	14440	320.9	ppm	2.22%
K 766.491	485182.1	9.001	0.2386	mg/L	1800	47.7	ppm	2.65%
Mg 279.079	161433.5	16.98	0.427	mg/L	3395	85.4	ppm	2.51%
Mn 257.610	427715.2	1.020	0.0244	mg/L	204.1	4.89	ppm	2.39%
Mo 202.030	2.8	0.0002	0.00284	mg/L	0.0410	0.56736	ppm	>999.9%
Na 330.237	1339.7	3.419	0.2579	mg/L	683.9	51.57	ppm	7.54%
Ni 231.604	1513.1	0.0382	0.00072	mg/L	7.638	0.1433	ppm	1.88%
Pb 220.353	582.6	0.0407	0.00378	mg/L	8.137	0.7551	ppm	9.28%
Sb 206.833	-41.7	-0.0212	0.00446	mg/L	-4.234	0.8912	ppm	21.05%
Se 196.026	-6.0	0.0112	0.00389	mg/L	2.230	0.7781	ppm	34.89%
Tl 190.800	-19.0	-0.0062	0.00547	mg/L	-1.242	1.0937	ppm	88.03%
V 292.402	13387.4	0.1423	0.00350	mg/L	28.45	0.701	ppm	2.46%
Zn 213.856	11610.3	0.2195	0.00322	mg/L	43.90	0.644	ppm	1.47%

Replicate Data

ID: 2842-18 F=200 Date: 04/25/03 02:58:36 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-533.8	-113.2	-0.0015	mg/L	-0.3034	ppm
1	Al 308.215	316693.4	316295.2	34.56	mg/L	6913	ppm
1	As 188.979	13.2	18.7	0.0125	mg/L	2.500	ppm
1	Ba 233.527	15408.5	15843.2	0.1464	mg/L	29.27	ppm
1	Be 313.107	-2592.5	-206.4	-0.0001	mg/L	-0.0169	ppm
1	Ca 227.547	966.6	1007.3	12.26	mg/L	2452	ppm
1	Cd 228.802	134.1	3.7	0.0001	mg/L	0.0179	ppm
1	Co 228.616	932.7	858.9	0.0238	mg/L	4.762	ppm
1	Cr 267.716	2599.1	2679.9	0.0597	mg/L	11.95	ppm
1	Cu 324.754	4791.7	4268.4	0.0424	mg/L	8.482	ppm
1	Fe 273.955	1247313.3	1247508.4	60.01	mg/L	12000	ppm
1	K 766.491	407254.6	399489.4	7.510	mg/L	1502	ppm
1	Mg 279.079	162532.8	163611.6	17.20	mg/L	3441	ppm
1	Mn 257.610	374324.5	377806.4	0.9013	mg/L	180.3	ppm
1	Mo 202.030	-89.0	32.7	0.0024	mg/L	0.4870	ppm
1	Na 330.237	3084.8	1763.5	4.417	mg/L	883.5	ppm
1	Ni 231.604	1159.8	1231.6	0.0311	mg/L	6.217	ppm
1	Pb 220.353	922.3	571.8	0.0404	mg/L	8.075	ppm
1	Sb 206.833	19.7	-26.9	-0.0145	mg/L	-2.902	ppm
1	Se 196.026	51.1	58.9	0.0289	mg/L	5.781	ppm
1	Tl 190.800	-90.7	-46.1	-0.0151	mg/L	-3.021	ppm
1	V 292.402	12198.0	11873.1	0.1210	mg/L	24.21	ppm
1	Zn 213.856	8867.1	8917.1	0.1686	mg/L	33.72	ppm
2	Ag 328.068	-469.2	-48.5	-0.0007	mg/L	-0.1301	ppm
2	Al 308.215	309573.1	309174.9	33.79	mg/L	6757	ppm
2	As 188.979	71.3	76.9	0.0340	mg/L	6.793	ppm
2	Ba 233.527	15676.3	16111.1	0.1488	mg/L	29.77	ppm
2	Be 313.107	-2484.3	-98.2	0.0000	mg/L	-0.0080	ppm
2	Ca 227.547	995.6	1036.2	12.61	mg/L	2522	ppm
2	Cd 228.802	154.8	24.4	0.0006	mg/L	0.1181	ppm
2	Co 228.616	1053.8	980.0	0.0272	mg/L	5.433	ppm

2 Cr 267.716	2544.4	2625.2	0.0585 mg/L	11.71 ppm
2 Cu 324.754	4696.3	4173.0	0.0414 mg/L	8.290 ppm
2 Fe 273.955	1215333.4	1215528.5	58.47 mg/L	11690 ppm
2 K 766.491	425700.2	417935.0	7.834 mg/L	1567 ppm
2 Mg 279.079	157286.4	158365.2	16.65 mg/L	3331 ppm
2 Mn 257.610	364164.6	367646.5	0.8771 mg/L	175.4 ppm
2 Mo 202.030	-148.8	-27.1	-0.0020 mg/L	-0.4034 ppm
2 Na 330.237	2834.0	1512.7	3.827 mg/L	765.4 ppm
2 Ni 231.604	1232.2	1304.1	0.0329 mg/L	6.583 ppm
2 Pb 220.353	1017.4	666.9	0.0470 mg/L	9.392 ppm
2 Sb 206.833	98.1	51.6	0.0169 mg/L	3.380 ppm
2 Se 196.026	-15.8	-8.0	0.0081 mg/L	1.612 ppm
2 Tl 190.800	-85.6	-41.1	-0.0135 mg/L	-2.691 ppm
2 V 292.402	12513.1	12188.3	0.1243 mg/L	24.85 ppm
2 Zn 213.856	9129.0	9179.0	0.1735 mg/L	34.71 ppm
3 Ag 328.068	-419.7	0.9	0.0000 mg/L	0.0025 ppm
3 Al 308.215	306077.2	305679.0	33.40 mg/L	6681 ppm
3 As 188.979	13.9	19.4	0.0126 mg/L	2.511 ppm
3 Ba 233.527	15785.3	16220.0	0.1499 mg/L	29.97 ppm
3 Be 313.107	-2604.1	-218.0	-0.0001 mg/L	-0.0178 ppm
3 Ca 227.547	1102.1	1142.8	13.91 mg/L	2781 ppm
3 Cd 228.802	168.5	38.0	0.0009 mg/L	0.1840 ppm
3 Co 228.616	1028.2	954.4	0.0265 mg/L	5.291 ppm
3 Cr 267.716	2480.9	2561.7	0.0571 mg/L	11.42 ppm
3 Cu 324.754	4681.6	4158.3	0.0373 mg/L	7.457 ppm
3 Fe 273.955	1200091.6	1200286.7	57.74 mg/L	11550 ppm
3 K 766.491	418331.0	410565.8	7.704 mg/L	1541 ppm
3 Mg 279.079	154475.7	155554.5	16.36 mg/L	3272 ppm
3 Mn 257.610	359521.4	363003.2	0.8660 mg/L	173.2 ppm
3 Mo 202.030	-111.5	10.1	0.0008 mg/L	0.1509 ppm
3 Na 330.237	3013.7	1692.4	4.250 mg/L	850.0 ppm
3 Ni 231.604	1222.5	1294.4	0.0327 mg/L	6.534 ppm
3 Pb 220.353	961.9	611.4	0.0431 mg/L	8.622 ppm
3 Sb 206.833	62.5	15.9	0.0027 mg/L	0.5462 ppm
3 Se 196.026	-24.3	-16.5	0.0053 mg/L	1.064 ppm
3 Tl 190.800	-38.6	6.0	0.0020 mg/L	0.3908 ppm
3 V 292.402	12752.7	12427.8	0.1267 mg/L	25.34 ppm
3 Zn 213.856	9259.7	9309.6	0.1760 mg/L	35.20 ppm

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

ID: 2842-18 F=200 Seq. No.: 72 Sample No.: 47 A/S Pos: 56
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 04/25/03 02:58:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-53.6	-0.0007	0.00077	mg/L	-0.1437	0.15341	ppm	106.77%
Al 308.215	310383.0	33.92	0.591	mg/L	6784	118.2	ppm	1.74%
As 188.979	38.3	0.0197	0.01238	mg/L	3.934	2.4753	ppm	62.91%
Ba 233.527	16058.1	0.1484	0.00179	mg/L	29.67	0.358	ppm	1.21%
Be 313.107	-174.2	-0.0001	0.00003	mg/L	-0.0143	0.00541	ppm	37.93%
Ca 227.547	1062.1	12.93	0.869	mg/L	2585	173.7	ppm	6.72%
Cd 228.802	22.1	0.0005	0.00042	mg/L	0.1067	0.08367	ppm	78.45%
Co 228.616	931.1	0.0258	0.00177	mg/L	5.162	0.3538	ppm	6.85%
Cr 267.716	2622.2	0.0585	0.00132	mg/L	11.69	0.264	ppm	2.26%
Cu 324.754	4199.9	0.0404	0.00272	mg/L	8.076	0.5448	ppm	6.75%
Fe 273.955	1221107.9	58.74	1.159	mg/L	11750	231.9	ppm	1.97%
K 766.491	409330.1	7.683	0.1632	mg/L	1537	32.6	ppm	2.12%
Mg 279.079	159177.1	16.74	0.430	mg/L	3348	86.0	ppm	2.57%
Mn 257.610	369485.4	0.8815	0.01806	mg/L	176.3	3.61	ppm	2.05%
Mo 202.030	5.2	0.0004	0.00225	mg/L	0.0782	0.44966	ppm	575.33%
Na 330.237	1656.2	4.165	0.3043	mg/L	833.0	60.87	ppm	7.31%
Ni 231.604	1276.7	0.0322	0.00099	mg/L	6.445	0.1985	ppm	3.08%
Pb 220.353	616.7	0.0435	0.00331	mg/L	8.696	0.6613	ppm	7.60%
Sb 206.833	13.5	0.0017	0.01573	mg/L	0.3417	3.14605	ppm	920.77%
Se 196.026	11.5	0.0141	0.01290	mg/L	2.819	2.5800	ppm	91.52%
Tl 190.800	-27.1	-0.0089	0.00941	mg/L	-1.774	1.8817	ppm	106.09%
V 292.402	12163.1	0.1240	0.00284	mg/L	24.80	0.567	ppm	2.29%
Zn 213.856	9135.2	0.1727	0.00378	mg/L	34.54	0.756	ppm	2.19%

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

ID: ICSA 1441 Date: 04/25/03 03:01:11 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	5.4	426.1	0.0057	mg/L		
1	Al 308.215	4122107.2	4121709.0	450.4	mg/L		
1	As 188.979	-55.0	-49.5	-0.0033	mg/L		
1	Ba 233.527	-619.5	-184.8	-0.0017	mg/L		
1	Be 313.107	-2179.5	206.6	0.0001	mg/L		
1	Ca 227.547	38219.1	38259.8	465.6	mg/L		
1	Cd 228.802	28.1	-102.3	-0.0025	mg/L		
1	Co 228.616	238.7	164.9	0.0046	mg/L		
1	Cr 267.716	391.4	472.2	0.0058	mg/L		
1	Cu 324.754	19.7	-503.7	0.0077	mg/L		
1	Fe 273.955	3673520.4	3673715.5	176.7	mg/L		
1	K 766.491	7465.2	-300.0	0.0156	mg/L		
1	Mg 279.079	4353572.4	4354651.2	457.9	mg/L		
1	Mn 257.610	-1495.0	1986.9	-0.0019	mg/L		
1	Mo 202.030	-53.1	68.6	0.0004	mg/L		
1	Na 330.237	1230.2	-91.1	0.0373	mg/L		
1	Ni 231.604	-29.8	42.1	0.0011	mg/L		
1	Pb 220.353	-139.2	-489.7	-0.0092	mg/L		
1	Sb 206.833	81.2	34.6	0.0032	mg/L		
1	Se 196.026	-41.0	-33.2	0.0216	mg/L		
1	Tl 190.800	-40.6	4.0	0.0028	mg/L		
1	V 292.402	-1450.1	-1774.9	-0.0039	mg/L		
1	Zn 213.856	1157.3	1207.3	0.0042	mg/L		
2	Ag 328.068	-77.7	343.0	0.0046	mg/L		
2	Al 308.215	4056000.9	4055602.7	443.2	mg/L		
2	As 188.979	-80.3	-74.8	-0.0129	mg/L		
2	Ba 233.527	-529.2	-94.4	-0.0009	mg/L		
2	Be 313.107	-2216.7	169.5	0.0001	mg/L		
2	Ca 227.547	38695.8	38736.5	471.4	mg/L		
2	Cd 228.802	66.7	-63.7	-0.0015	mg/L		
2	Co 228.616	165.7	91.8	0.0025	mg/L		
2	Cr 267.716	433.1	513.9	0.0068	mg/L		
2	Cu 324.754	-116.6	-640.0	0.0062	mg/L		
2	Fe 273.955	3592039.1	3592234.2	172.8	mg/L		
2	K 766.491	6941.5	-823.7	0.0051	mg/L		
2	Mg 279.079	4245640.4	4246719.2	446.6	mg/L		
2	Mn 257.610	-1341.1	2140.8	-0.0013	mg/L		
2	Mo 202.030	-42.7	79.0	0.0013	mg/L		
2	Na 330.237	1201.0	-120.3	-0.0319	mg/L		
2	Ni 231.604	19.4	91.2	0.0023	mg/L		
2	Pb 220.353	-56.5	-407.0	-0.0039	mg/L		
2	Sb 206.833	55.6	9.0	-0.0067	mg/L		
2	Se 196.026	-136.9	-129.1	-0.0085	mg/L		
2	Tl 190.800	-45.5	-0.9	0.0011	mg/L		
2	V 292.402	-1552.1	-1876.9	-0.0053	mg/L		
2	Zn 213.856	1118.0	1168.0	0.0039	mg/L		
3	Ag 328.068	58.7	479.4	0.0064	mg/L		
3	Al 308.215	3941725.5	3941327.3	430.7	mg/L		
3	As 188.979	-37.6	-32.0	0.0025	mg/L		
3	Ba 233.527	-554.9	-120.1	-0.0011	mg/L		
3	Be 313.107	-2226.0	160.1	0.0001	mg/L		
3	Ca 227.547	36954.1	36994.7	450.2	mg/L		
3	Cd 228.802	105.9	-24.5	-0.0006	mg/L		
3	Co 228.616	120.7	46.9	0.0013	mg/L		
3	Cr 267.716	374.6	455.4	0.0056	mg/L		
3	Cu 324.754	-95.3	-618.7	0.0060	mg/L		
3	Fe 273.955	3494636.7	3494831.8	168.1	mg/L		
3	K 766.491	7091.3	-673.9	0.0081	mg/L		
3	Mg 279.079	4129967.2	4131046.0	434.4	mg/L		
3	Mn 257.610	-1560.1	1921.8	-0.0017	mg/L		
3	Mo 202.030	-21.5	100.2	0.0030	mg/L		
3	Na 330.237	1236.5	-84.8	0.0522	mg/L		
3	Ni 231.604	2.7	74.5	0.0019	mg/L		
3	Pb 220.353	-133.1	-483.6	-0.0099	mg/L		
3	Sb 206.833	17.7	-28.8	-0.0215	mg/L		
3	Se 196.026	-45.4	-37.6	0.0187	mg/L		
3	Tl 190.800	-46.6	-2.0	0.0007	mg/L		

3 V 292.402	-1447.7	-1772.5	-0.0046 mg/L
3 Zn 213.856	1007.5	1057.5	0.0023 mg/L

Mean Data

ID: ICSA 1441 Seq. No.: 73 Sample No.: 3 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 03:01:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	416.1	0.0056	0.00092	mg/L				16.52%
Al 308.215	4039546.3	441.4	9.97	mg/L				2.26%
As 188.979	-52.1	-0.0045	0.00778	mg/L				171.70%
Ba 233.527	-133.1	-0.0012	0.00043	mg/L				34.99%
Be 313.107	178.7	0.0001	0.00001	mg/L				13.76%
Ca 227.547	37997.0	462.4	10.95	mg/L				2.37%
Cd 228.802	-63.5	-0.0015	0.00094	mg/L				61.29%
Co 228.616	101.2	0.0028	0.00165	mg/L				58.87%
Cr 267.716	480.5	0.0061	0.00064	mg/L				10.62%
Cu 324.754	-587.4	0.0066	0.00090	mg/L				13.61%
Fe 273.955	3586927.2	172.5	4.31	mg/L				2.50%
K 766.491	-599.2	0.0096	0.00540	mg/L				56.26%
Mg 279.079	4244138.8	446.3	11.76	mg/L				2.63%
Mn 257.610	2016.5	-0.0016	0.00027	mg/L				16.53%
Mo 202.030	82.6	0.0016	0.00131	mg/L				83.66%
Na 330.237	-98.7	0.0192	0.04488	mg/L				233.81%
Ni 231.604	69.3	0.0017	0.00063	mg/L				36.10%
Pb 220.353	-460.1	-0.0076	0.00326	mg/L				42.57%
Sb 206.833	4.9	-0.0083	0.01247	mg/L				149.48%
Se 196.026	-66.6	0.0106	0.01664	mg/L				156.89%
Tl 190.800	0.4	0.0015	0.00110	mg/L				71.78%
V 292.402	-1808.1	-0.0046	0.00068	mg/L				14.65%
Zn 213.856	1144.3	0.0035	0.00102	mg/L				29.32%

Replicate Data

ID: ICSAB 1443 Date: 04/25/03 03:03:53 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	75310.5	75731.2	1.015	mg/L		
1	Al 308.215	4384227.1	4383828.9	479.1	mg/L		
1	As 188.979	2520.2	2525.7	0.9563	mg/L		
1	Ba 233.527	53342.4	53777.2	0.4968	mg/L		
1	Be 313.107	1204674.2	1207060.3	0.4940	mg/L		
1	Ca 227.547	39580.7	39621.4	482.2	mg/L		
1	Cd 228.802	40943.5	40813.1	0.9870	mg/L		
1	Co 228.616	17590.3	17516.4	0.4856	mg/L		
1	Cr 267.716	22822.3	22903.1	0.5056	mg/L		
1	Cu 324.754	56541.6	56018.3	0.5150	mg/L		
1	Fe 273.955	3829945.3	3830140.4	184.2	mg/L		
1	K 766.491	8794.6	1029.3	0.0422	mg/L		
1	Mg 279.079	4539871.7	4540950.6	477.5	mg/L		
1	Mn 257.610	204329.4	207811.3	0.4889	mg/L		
1	Mo 202.030	12786.4	12908.1	0.9563	mg/L		
1	Na 330.237	1384.8	63.5	0.4036	mg/L		
1	Ni 231.604	37566.8	37638.7	0.9500	mg/L		
1	Pb 220.353	13630.5	13280.0	0.9470	mg/L		
1	Sb 206.833	2520.4	2473.9	0.9737	mg/L		
1	Se 196.026	3151.4	3159.2	1.004	mg/L		
1	Tl 190.800	2844.3	2888.9	0.9488	mg/L		
1	V 292.402	46903.7	46578.9	0.4896	mg/L		
1	Zn 213.856	53405.8	53455.8	0.9912	mg/L		
2	Ag 328.068	73587.6	74008.3	0.9922	mg/L		
2	Al 308.215	4329366.9	4328968.7	473.1	mg/L		
2	As 188.979	2561.2	2566.7	0.9714	mg/L		
2	Ba 233.527	51760.0	52194.8	0.4822	mg/L		
2	Be 313.107	1190236.1	1192622.2	0.4881	mg/L		
2	Ca 227.547	39649.3	39690.0	483.0	mg/L		
2	Cd 228.802	40344.8	40214.3	0.9725	mg/L		
2	Co 228.616	17257.9	17184.1	0.4764	mg/L		
2	Cr 267.716	22662.8	22743.6	0.5021	mg/L		

2	Cu 324.754	55140.6	54617.3	0.5023 mg/L
2	Fe 273.955	3797595.2	3797790.3	182.7 mg/L
2	K 766.491	9308.9	1543.7	0.0525 mg/L
2	Mg 279.079	4505046.4	4506125.2	473.8 mg/L
2	Mn 257.610	198981.7	202463.6	0.4762 mg/L
2	Mo 202.030	12897.5	13019.1	0.9646 mg/L
2	Na 330.237	1295.2	-26.1	0.1912 mg/L
2	Ni 231.604	37077.3	37149.1	0.9376 mg/L
2	Pb 220.353	13589.9	13239.4	0.9438 mg/L
2	Sb 206.833	2470.9	2424.4	0.9540 mg/L
2	Se 196.026	3031.5	3039.3	0.9664 mg/L
2	Tl 190.800	2765.0	2809.5	0.9228 mg/L
2	V 292.402	45747.7	45422.9	0.4777 mg/L
2	Zn 213.856	52198.3	52248.2	0.9686 mg/L
3	Ag 328.068	72003.0	72423.6	0.9710 mg/L
3	Al 308.215	4280751.1	4280352.9	467.7 mg/L
3	As 188.979	2667.6	2673.1	1.011 mg/L
3	Ba 233.527	50981.4	51416.2	0.4750 mg/L
3	Be 313.107	1166782.8	1169168.9	0.4785 mg/L
3	Ca 227.547	40063.7	40104.4	488.0 mg/L
3	Cd 228.802	41398.2	41267.7	0.9980 mg/L
3	Co 228.616	17592.3	17518.5	0.4856 mg/L
3	Cr 267.716	23157.8	23238.6	0.5132 mg/L
3	Cu 324.754	54205.9	53682.6	0.4937 mg/L
3	Fe 273.955	3738640.8	3738835.9	179.8 mg/L
3	K 766.491	8439.4	674.2	0.0351 mg/L
3	Mg 279.079	4440763.1	4441841.9	467.1 mg/L
3	Mn 257.610	195856.3	199338.2	0.4688 mg/L
3	Mo 202.030	13048.5	13170.2	0.9759 mg/L
3	Na 330.237	1226.0	-95.4	0.0272 mg/L
3	Ni 231.604	38030.6	38102.4	0.9617 mg/L
3	Pb 220.353	13767.3	13416.8	0.9557 mg/L
3	Sb 206.833	2516.2	2469.6	0.9722 mg/L
3	Se 196.026	3150.2	3158.0	1.002 mg/L
3	Tl 190.800	2887.5	2932.1	0.9628 mg/L
3	V 292.402	44740.9	44416.1	0.4672 mg/L
3	Zn 213.856	51256.5	51306.5	0.9510 mg/L

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

ID: ICSAB 1443 Seq. No.: 74 Sample No.: 4 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 03:03:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	74054.4	0.9928	0.02218	mg/L				2.23%
Al 308.215	4331050.2	473.3	5.66	mg/L				1.20%
As 188.979	2588.5	0.9795	0.02815	mg/L				2.87%
Ba 233.527	52462.7	0.4847	0.01112	mg/L				2.29%
Be 313.107	1189617.2	0.4868	0.00783	mg/L				1.61%
Ca 227.547	39805.2	484.4	3.18	mg/L				0.66%
Cd 228.802	40765.0	0.9858	0.01278	mg/L				1.30%
Co 228.616	17406.3	0.4825	0.00534	mg/L				1.11%
Cr 267.716	22961.7	0.5070	0.00568	mg/L				1.12%
Cu 324.754	54772.7	0.5037	0.01069	mg/L				2.12%
Fe 273.955	3788922.2	182.2	2.23	mg/L				1.22%
K 766.491	1082.4	0.0433	0.00875	mg/L				20.22%
Mg 279.079	4496305.9	472.8	5.29	mg/L				1.12%
Mn 257.610	203204.4	0.4780	0.01015	mg/L				2.12%
Mo 202.030	13032.5	0.9656	0.00986	mg/L				1.02%
Na 330.237	-19.3	0.2074	0.18875	mg/L				91.03%
Ni 231.604	37630.1	0.9498	0.01203	mg/L				1.27%
Pb 220.353	13312.0	0.9488	0.00618	mg/L				0.65%
Sb 206.833	2455.9	0.9666	0.01095	mg/L				1.13%
Se 196.026	3118.8	0.9908	0.02110	mg/L				2.13%
Tl 190.800	2876.8	0.9448	0.02033	mg/L				2.15%
V 292.402	45472.6	0.4782	0.01121	mg/L				2.34%
Zn 213.856	52336.8	0.9703	0.02015	mg/L				2.08%

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

ID: CCV 1447B Date: 04/25/03 03:06:36 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	70616.1	71036.7	0.9524	mg/L		
1	Al 308.215	45619.8	45221.7	4.942	mg/L		
1	As 188.979	1354.5	1360.0	0.5074	mg/L		
1	Ba 233.527	518999.9	519434.7	4.799	mg/L		
1	Be 313.107	1169402.0	1171788.1	0.4795	mg/L		
1	Ca 227.547	3981.0	4021.7	48.94	mg/L		
1	Cd 228.802	40255.9	40125.5	0.9704	mg/L		
1	Co 228.616	70390.4	70316.6	1.949	mg/L		
1	Cr 267.716	21605.1	21685.9	0.4835	mg/L		
1	Cu 324.754	214820.4	214297.0	1.921	mg/L		
1	Fe 273.955	101031.0	101226.1	4.859	mg/L		
1	K 766.491	840310.2	832544.9	14.72	mg/L		
1	Mg 279.079	228080.2	229159.0	24.10	mg/L		
1	Mn 257.610	808734.3	812216.2	1.938	mg/L		
1	Mo 202.030	25618.3	25740.0	1.917	mg/L		
1	Na 330.237	46225.2	44903.8	98.73	mg/L		
1	Ni 231.604	77948.4	78020.3	1.969	mg/L		
1	Pb 220.353	7627.2	7276.7	0.5043	mg/L		
1	Sb 206.833	4909.0	4862.4	1.943	mg/L		
1	Se 196.026	1609.8	1617.6	0.4969	mg/L		
1	Tl 190.800	1469.1	1513.7	0.4991	mg/L		
1	V 292.402	191823.5	191498.7	1.952	mg/L		
1	Zn 213.856	104576.9	104626.8	1.978	mg/L		
2	Ag 328.068	72677.2	73097.8	0.9800	mg/L		
2	Al 308.215	46739.4	46341.2	5.064	mg/L		
2	As 188.979	1384.1	1389.6	0.5184	mg/L		
2	Ba 233.527	526798.5	527233.3	4.871	mg/L		
2	Be 313.107	1198846.9	1201233.0	0.4916	mg/L		
2	Ca 227.547	4026.4	4067.1	49.49	mg/L		
2	Cd 228.802	40115.5	39985.0	0.9670	mg/L		
2	Co 228.616	71616.9	71543.0	1.983	mg/L		
2	Cr 267.716	21710.7	21791.5	0.4858	mg/L		
2	Cu 324.754	220189.3	219665.9	1.970	mg/L		
2	Fe 273.955	102957.4	103152.5	4.952	mg/L		
2	K 766.491	875184.0	867418.8	15.27	mg/L		
2	Mg 279.079	232814.9	233893.7	24.60	mg/L		
2	Mn 257.610	824200.4	827682.3	1.975	mg/L		
2	Mo 202.030	25784.4	25906.1	1.929	mg/L		
2	Na 330.237	47398.3	46077.0	101.1	mg/L		
2	Ni 231.604	79752.3	79824.2	2.015	mg/L		
2	Pb 220.353	7423.8	7073.3	0.4902	mg/L		
2	Sb 206.833	4946.7	4900.2	1.958	mg/L		
2	Se 196.026	1626.1	1633.9	0.5019	mg/L		
2	Tl 190.800	1447.1	1491.7	0.4919	mg/L		
2	V 292.402	197175.2	196850.4	2.007	mg/L		
2	Zn 213.856	107238.7	107288.7	2.028	mg/L		
3	Ag 328.068	70279.0	70699.7	0.9478	mg/L		
3	Al 308.215	44978.3	44580.1	4.872	mg/L		
3	As 188.979	1311.8	1317.3	0.4915	mg/L		
3	Ba 233.527	510698.2	511133.0	4.722	mg/L		
3	Be 313.107	1152752.4	1155138.5	0.4727	mg/L		
3	Ca 227.547	4057.4	4098.1	49.87	mg/L		
3	Cd 228.802	39656.6	39526.1	0.9559	mg/L		
3	Co 228.616	69336.7	69262.8	1.920	mg/L		
3	Cr 267.716	21132.1	21212.9	0.4729	mg/L		
3	Cu 324.754	211775.9	211252.6	1.894	mg/L		
3	Fe 273.955	99526.4	99721.5	4.787	mg/L		
3	K 766.491	841759.8	833994.6	14.75	mg/L		
3	Mg 279.079	225387.1	226465.9	23.81	mg/L		
3	Mn 257.610	795786.3	799268.2	1.907	mg/L		
3	Mo 202.030	25428.9	25550.6	1.903	mg/L		
3	Na 330.237	46160.2	44838.9	98.59	mg/L		
3	Ni 231.604	77048.4	77120.3	1.946	mg/L		
3	Pb 220.353	7394.6	7044.1	0.4882	mg/L		
3	Sb 206.833	4916.4	4869.8	1.945	mg/L		
3	Se 196.026	1572.7	1580.5	0.4855	mg/L		
3	Tl 190.800	1396.4	1441.0	0.4752	mg/L		
3	V 292.402	189559.3	189234.5	1.929	mg/L		

3 Zn 213.856	103467.3	103517.3	1.957 mg/L

Mean Data

ID: CCV 1447B
Sample Qty: 1.0000 g
Seq. No.: 75 Sample No.: 5
Prep. Vol.: 1.0 L
Data: Original
A/S Pos: 6
Dilution: 1.0: 1.0
Date: 04/25/03 03:06:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	71611.4	0.9601	0.01741	mg/L				1.81%
Al 308.215	45381.0	4.959	0.0974	mg/L				1.96%
As 188.979	1355.7	0.5058	0.01354	mg/L				2.68%
Ba 233.527	519267.0	4.797	0.0744	mg/L				1.55%
Be 313.107	1176053.2	0.4813	0.00955	mg/L				1.98%
Ca 227.547	4062.3	49.44	0.468	mg/L				0.95%
Cd 228.802	39878.9	0.9644	0.00758	mg/L				0.79%
Co 228.616	70374.1	1.951	0.0316	mg/L				1.62%
Cr 267.716	21563.4	0.4807	0.00687	mg/L				1.43%
Cu 324.754	215071.8	1.928	0.0382	mg/L				1.98%
Fe 273.955	101366.7	4.866	0.0826	mg/L				1.70%
K 766.491	844652.8	14.91	0.310	mg/L				2.08%
Mg 279.079	229839.6	24.17	0.395	mg/L				1.64%
Mn 257.610	813055.6	1.940	0.0339	mg/L				1.75%
Mo 202.030	25732.2	1.916	0.0132	mg/L				0.69%
Na 330.237	45273.2	99.48	1.420	mg/L				1.43%
Ni 231.604	78321.6	1.977	0.0348	mg/L				1.76%
Pb 220.353	7131.4	0.4943	0.00878	mg/L				1.78%
Sb 206.833	4877.5	1.949	0.0081	mg/L				0.41%
Se 196.026	1610.7	0.4947	0.00840	mg/L				1.70%
Tl 190.800	1482.1	0.4887	0.01225	mg/L				2.51%
V 292.402	192527.9	1.963	0.0399	mg/L				2.03%
Zn 213.856	105144.3	1.988	0.0366	mg/L				1.84%

Replicate Data

ID: CCB
Date: 04/25/03 03:09:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	-327.6	93.1	0.0012	mg/L		
1	Al 308.215	533.8	135.6	0.0148	mg/L		
1	As 188.979	-15.8	-10.3	-0.0038	mg/L		
1	Ba 233.527	-380.3	54.5	0.0005	mg/L		
1	Be 313.107	-2311.5	74.6	0.0000	mg/L		
1	Ca 227.547	-34.1	6.5	0.0795	mg/L		
1	Cd 228.802	136.8	6.4	0.0002	mg/L		
1	Co 228.616	83.9	10.0	0.0003	mg/L		
1	Cr 267.716	-75.4	5.4	0.0001	mg/L		
1	Cu 324.754	404.1	-119.2	-0.0011	mg/L		
1	Fe 273.955	-165.3	29.8	0.0014	mg/L		
1	K 766.491	7638.8	-126.4	0.0191	mg/L		
1	Mg 279.079	-996.9	81.9	0.0086	mg/L		
1	Mn 257.610	-3217.5	264.4	0.0006	mg/L		
1	Mo 202.030	-110.6	11.1	0.0008	mg/L		
1	Na 330.237	1257.3	-64.0	0.1014	mg/L		
1	Ni 231.604	-78.7	-6.8	-0.0002	mg/L		
1	Pb 220.353	326.3	-24.2	-0.0017	mg/L		
1	Sb 206.833	36.8	-9.8	-0.0039	mg/L		
1	Se 196.026	0.3	8.1	0.0025	mg/L		
1	Tl 190.800	-40.7	3.9	0.0013	mg/L		
1	V 292.402	162.4	-162.4	-0.0017	mg/L		
1	Zn 213.856	-30.3	19.7	0.0004	mg/L		
2	Ag 328.068	-308.6	112.0	0.0015	mg/L		
2	Al 308.215	396.3	-1.9	-0.0002	mg/L		
2	As 188.979	-10.8	-5.3	-0.0020	mg/L		
2	Ba 233.527	-372.9	61.9	0.0006	mg/L		
2	Be 313.107	-2468.6	-82.5	0.0000	mg/L		
2	Ca 227.547	-38.4	2.3	0.0283	mg/L		
2	Cd 228.802	117.0	-13.4	-0.0003	mg/L		
2	Co 228.616	88.3	14.4	0.0004	mg/L		
2	Cr 267.716	-63.3	17.5	0.0004	mg/L		
2	Cu 324.754	492.9	-30.5	-0.0003	mg/L		

2	Fe 273.955	-145.7	49.4	0.0024 mg/L
2	K 766.491	7472.2	-293.0	0.0157 mg/L
2	Mg 279.079	-940.0	138.9	0.0146 mg/L
2	Mn 257.610	-3207.6	274.3	0.0007 mg/L
2	Mo 202.030	-114.1	7.6	0.0006 mg/L
2	Na 330.237	1307.9	-13.4	0.2213 mg/L
2	Ni 231.604	-65.7	6.2	0.0002 mg/L
2	Pb 220.353	316.7	-33.8	-0.0023 mg/L
2	Sb 206.833	48.3	1.8	0.0007 mg/L
2	Se 196.026	0.5	8.3	0.0025 mg/L
2	Tl 190.800	-46.5	-1.9	-0.0006 mg/L
2	V 292.402	226.5	-98.3	-0.0010 mg/L
2	Zn 213.856	-33.6	16.4	0.0003 mg/L
3	Ag 328.068	-254.5	166.1	0.0022 mg/L
3	Al 308.215	379.5	-18.7	-0.0020 mg/L
3	As 188.979	-11.5	-6.0	-0.0022 mg/L
3	Ba 233.527	-383.8	51.0	0.0005 mg/L
3	Be 313.107	-2120.6	265.6	0.0001 mg/L
3	Ca 227.547	-50.6	-10.0	-0.1211 mg/L
3	Cd 228.802	129.4	-1.1	0.0000 mg/L
3	Co 228.616	73.5	-0.3	0.0000 mg/L
3	Cr 267.716	-60.6	20.2	0.0005 mg/L
3	Cu 324.754	659.3	135.9	0.0012 mg/L
3	Fe 273.955	-163.7	31.4	0.0015 mg/L
3	K 766.491	6922.5	-842.8	0.0047 mg/L
3	Mg 279.079	-1006.5	72.4	0.0076 mg/L
3	Mn 257.610	-3238.7	243.2	0.0006 mg/L
3	Mo 202.030	-121.8	-0.1	0.0000 mg/L
3	Na 330.237	1199.2	-122.1	-0.0362 mg/L
3	Ni 231.604	-64.0	7.8	0.0002 mg/L
3	Pb 220.353	320.0	-30.5	-0.0021 mg/L
3	Sb 206.833	16.8	-29.8	-0.0119 mg/L
3	Se 196.026	6.6	14.4	0.0044 mg/L
3	Tl 190.800	-49.1	-4.5	-0.0015 mg/L
3	V 292.402	227.7	-97.1	-0.0010 mg/L
3	Zn 213.856	-48.0	2.0	0.0000 mg/L

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

ID: CCB Seq. No.: 76 Sample No.: 6 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 04/25/03 03:09:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	123.8	0.0017	0.00051	mg/L				30.63%
Al 308.215	38.3	0.0042	0.00925	mg/L				220.76%
As 188.979	-7.2	-0.0027	0.00101	mg/L				37.80%
Ba 233.527	55.8	0.0005	0.00005	mg/L				9.97%
Be 313.107	85.9	0.0000	0.00007	mg/L				202.93%
Ca 227.547	-0.4	-0.0045	0.10421	mg/L				>999.9%
Cd 228.802	-2.7	-0.0001	0.00024	mg/L				370.08%
Co 228.616	8.0	0.0002	0.00021	mg/L				94.33%
Cr 267.716	14.4	0.0003	0.00018	mg/L				54.98%
Cu 324.754	-4.6	0.0000	0.00116	mg/L				>999.9%
Fe 273.955	36.9	0.0018	0.00052	mg/L				29.52%
K 766.491	-420.7	0.0132	0.00751	mg/L				56.98%
Mg 279.079	97.7	0.0103	0.00378	mg/L				36.80%
Mn 257.610	260.6	0.0006	0.00004	mg/L				6.09%
Mo 202.030	6.2	0.0005	0.00043	mg/L				93.09%
Na 330.237	-66.5	0.0955	0.12884	mg/L				134.88%
Ni 231.604	2.4	0.0001	0.00020	mg/L				336.87%
Pb 220.353	-29.5	-0.0020	0.00034	mg/L				16.50%
Sb 206.833	-12.6	-0.0050	0.00637	mg/L				126.78%
Se 196.026	10.3	0.0032	0.00110	mg/L				34.92%
Tl 190.800	-0.8	-0.0003	0.00140	mg/L				510.77%
V 292.402	-119.3	-0.0012	0.00038	mg/L				31.33%
Zn 213.856	12.7	0.0002	0.00018	mg/L				74.27%

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

Method: 23ME Date: 04/25/03 03:10:45 PM

Corr.

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

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

ID: 2742-3 F=50 Date: 04/25/03 03:12:03 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	750.1	1170.8	0.0157	mg/L	0.7848	ppm
1	Al 308.215	25570.7	25172.5	2.751	mg/L	137.5	ppm
1	As 188.979	-25.8	-20.3	0.0030	mg/L	0.1509	ppm
1	Ba 233.527	21008.1	21442.9	0.1981	mg/L	9.905	ppm
1	Be 313.107	-2634.0	-247.9	-0.0001	mg/L	-0.0051	ppm
1	Ca 227.547	99173.2	99213.9	1207	mg/L	60370	ppm
1	Cd 228.802	170.8	40.4	0.0010	mg/L	0.0489	ppm
1	Co 228.616	409.4	335.5	0.0093	mg/L	0.4651	ppm
1	Cr 267.716	420.1	500.9	0.0112	mg/L	0.5583	ppm
1	Cu 324.754	29016.6	28493.2	0.2555	mg/L	12.77	ppm
1	Fe 273.955	47472.9	47668.0	2.256	mg/L	112.8	ppm
1	K 766.491	241572.5	233807.3	4.518	mg/L	225.9	ppm
1	Mg 279.079	241815.1	242894.0	25.54	mg/L	1277	ppm
1	Mn 257.610	149993.4	153475.3	0.3662	mg/L	18.31	ppm
1	Mo 202.030	-116.9	4.8	0.0004	mg/L	0.0177	ppm
1	Na 330.237	5186.7	3865.4	4.063	mg/L	203.2	ppm
1	Ni 231.604	765.1	836.9	0.0211	mg/L	1.056	ppm
1	Pb 220.353	807.3	456.8	0.0220	mg/L	1.098	ppm
1	Sb 206.833	193.3	146.8	0.0612	mg/L	3.058	ppm
1	Se 196.026	-4.5	3.3	0.0010	mg/L	0.0506	ppm
1	Tl 190.800	-38.1	6.5	-0.0015	mg/L	-0.0761	ppm
1	V 292.402	349.3	24.5	0.0002	mg/L	0.0125	ppm
1	Zn 213.856	1483119.1	1483169.0	28.04	mg/L	1402	ppm

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

Method: 23ME Date: 04/25/03 03:13:09 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	74590.1	0.00000	0.999613
Al 308.215	3	Linear-thru-Zero	0.0	9151.1	0.00000	0.999974
As 188.979	3	Linear-thru-Zero	0.0	2692.2	0.00000	0.999984
Ba 233.527	3	Linear-thru-Zero	0.0	108240.8	0.00000	0.999814
Be 313.107	3	Linear-thru-Zero	0.0	2443579.0	0.00000	0.999635
Ca 227.547	3	Linear-thru-Zero	0.0	82.2	0.00000	0.999968
Cd 228.802	3	Linear-thru-Zero	0.0	41350.6	0.00000	0.999943
Co 228.616	3	Linear-thru-Zero	0.0	36073.0	0.00000	0.999926
Cr 267.716	3	Linear-thru-Zero	0.0	44854.3	0.00000	0.999840
Cu 324.754	3	Linear-thru-Zero	0.0	111527.5	0.00000	0.999555
Fe 273.955	3	Linear-thru-Zero	0.0	20787.8	0.00000	0.999933

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

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

ID: DLC A1427 Date: 04/25/03 03:14:40 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	-1129.8	-709.2	0.0295	mg/L	0.0295	ppm
1	Al 308.215	3713.6	3315.4	0.3623	mg/L	0.3623	ppm
1	As 188.979	26893.2	26898.7	10.21	mg/L	10.21	ppm
1	Ba 233.527	4873604.2	4874039.0	45.05	mg/L	45.05	ppm
1	Be 313.107	-2998.2	-612.1	-0.0003	mg/L	-0.0003	ppm
1	Ca 227.547	26.8	67.5	0.8214	mg/L	0.8214	ppm
1	Cd 228.802	402679.2	402548.7	9.735	mg/L	9.735	ppm
1	Co 228.616	676415.6	676341.8	18.75	mg/L	18.75	ppm
1	Cr 267.716	2111652.5	2111733.2	47.08	mg/L	47.08	ppm
1	Cu 324.754	5347541.3	5347017.9	47.94	mg/L	47.94	ppm
1	Fe 273.955	1545.6	1740.7	-0.0011	mg/L	-0.0011	ppm
1	K 766.491	19320.9	11555.7	0.2524	mg/L	0.2524	ppm
1	Mg 279.079	-1335.3	-256.5	-0.0270	mg/L	-0.0270	ppm
1	Mn 257.610	7062107.8	7065589.7	16.86	mg/L	16.86	ppm
1	Mo 202.030	138077.3	138198.9	10.29	mg/L	10.29	ppm
1	Na 330.237	306072.6	304751.2	503.0	mg/L	503.0	ppm
1	Ni 231.604	763414.4	763486.3	19.27	mg/L	19.27	ppm
1	Pb 220.353	1130565.7	1130215.2	78.33	mg/L	78.33	ppm
1	Sb 206.833	468.7	422.1	-0.0174	mg/L	-0.0174	ppm
1	Se 196.026	16.7	24.5	0.0118	mg/L	0.0118	ppm
1	Tl 190.800	-109.2	-64.6	-0.0019	mg/L	-0.0019	ppm
1	V 292.402	1876426.6	1876101.8	19.19	mg/L	19.19	ppm
1	Zn 213.856	1968172.8	1968222.7	37.21	mg/L	37.21	ppm
2	Ag 328.068	-1204.6	-783.9	0.0284	mg/L	0.0284	ppm
2	Al 308.215	3614.3	3216.1	0.3514	mg/L	0.3514	ppm
2	As 188.979	26834.3	26839.8	10.19	mg/L	10.19	ppm
2	Ba 233.527	4765382.6	4765817.4	44.05	mg/L	44.05	ppm
2	Be 313.107	-2909.9	-523.8	-0.0002	mg/L	-0.0002	ppm
2	Ca 227.547	22.9	63.6	0.7734	mg/L	0.7734	ppm
2	Cd 228.802	401874.1	401743.7	9.716	mg/L	9.716	ppm
2	Co 228.616	672887.7	672813.8	18.65	mg/L	18.65	ppm
2	Cr 267.716	2061815.1	2061895.9	45.97	mg/L	45.97	ppm
2	Cu 324.754	5225831.1	5225307.7	46.85	mg/L	46.85	ppm
2	Fe 273.955	1376.9	1572.0	-0.0091	mg/L	-0.0091	ppm
2	K 766.491	19366.4	11601.2	0.2534	mg/L	0.2534	ppm
2	Mg 279.079	-1449.0	-370.1	-0.0389	mg/L	-0.0389	ppm
2	Mn 257.610	6901864.9	6905346.7	16.47	mg/L	16.47	ppm
2	Mo 202.030	137783.3	137905.0	10.27	mg/L	10.27	ppm
2	Na 330.237	307709.6	306388.3	505.1	mg/L	505.1	ppm
2	Ni 231.604	760096.2	760168.1	19.19	mg/L	19.19	ppm
2	Pb 220.353	1127432.7	1127082.2	78.11	mg/L	78.11	ppm
2	Sb 206.833	465.8	419.2	-0.0131	mg/L	-0.0131	ppm
2	Se 196.026	9.3	17.1	0.0094	mg/L	0.0094	ppm
2	Tl 190.800	-112.0	-67.4	-0.0025	mg/L	-0.0025	ppm
2	V 292.402	1873205.2	1872880.4	19.15	mg/L	19.15	ppm
2	Zn 213.856	1962476.9	1962526.9	37.10	mg/L	37.10	ppm
3	Ag 328.068	-1003.1	-582.4	0.0278	mg/L	0.0278	ppm
3	Al 308.215	3288.1	2889.9	0.3158	mg/L	0.3158	ppm
3	As 188.979	24875.7	24881.3	9.464	mg/L	9.464	ppm
3	Ba 233.527	4868007.9	4868442.7	45.00	mg/L	45.00	ppm
3	Be 313.107	-2757.4	-371.3	-0.0002	mg/L	-0.0002	ppm
3	Ca 227.547	20.4	61.1	0.7431	mg/L	0.7431	ppm

3 Cd 228.802	371706.5	371576.1	8.986 mg/L	8.986 ppm
3 Co 228.616	624028.3	623954.4	17.30 mg/L	17.30 ppm
3 Cr 267.716	2120145.5	2120226.3	47.27 mg/L	47.27 ppm
3 Cu 324.754	5420424.5	5419901.1	48.60 mg/L	48.60 ppm
3 Fe 273.955	1284.8	1479.9	-0.0061 mg/L	-0.0061 ppm
3 K 766.491	18502.7	10737.5	0.2361 mg/L	0.2361 ppm
3 Mg 279.079	-1443.4	-364.6	-0.0383 mg/L	-0.0383 ppm
3 Mn 257.610	7061474.2	7064956.1	16.86 mg/L	16.86 ppm
3 Mo 202.030	127574.6	127696.3	9.507 mg/L	9.507 ppm
3 Na 330.237	281045.5	279724.2	470.6 mg/L	470.6 ppm
3 Ni 231.604	703725.1	703797.0	17.76 mg/L	17.76 ppm
3 Pb 220.353	1050158.6	1049808.1	72.76 mg/L	72.76 ppm
3 Sb 206.833	473.3	426.8	-0.0207 mg/L	-0.0207 ppm
3 Se 196.026	23.2	31.0	0.0138 mg/L	0.0138 ppm
3 Tl 190.800	-117.7	-73.1	-0.0073 mg/L	-0.0073 ppm
3 V 292.402	1713358.1	1713033.3	17.53 mg/L	17.53 ppm
3 Zn 213.856	1837276.9	1837326.8	34.74 mg/L	34.74 ppm

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

ID: DLC A1427
Sample Qty: 1.0000 mL
Seq. No.: 78
Prep. Vol.: 1.0 mL
Data: Original
Sample No.: 48
A/S Pos: 9
Dilution: 1.0: 1.0
Date: 04/25/03 03:14:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ag 328.068	-691.9	0.0286	0.00086	mg/L	0.0286	0.00086	ppm	2.99%
Al 308.215	3140.5	0.3432	0.02433	mg/L	0.3432	0.02433	ppm	7.09%
As 188.979	26206.6	9.954	0.4247	mg/L	9.954	0.4247	ppm	4.27%
Ba 233.527	4836099.7	44.70	0.562	mg/L	44.70	0.562	ppm	1.26%
Be 313.107	-502.4	-0.0002	0.00005	mg/L	-0.0002	0.00005	ppm	24.25%
Ca 227.547	64.0	0.7793	0.03949	mg/L	0.7793	0.03949	ppm	5.07%
Cd 228.802	391956.2	9.479	0.4269	mg/L	9.479	0.4269	ppm	4.50%
Co 228.616	657703.3	18.23	0.812	mg/L	18.23	0.812	ppm	4.45%
Cr 267.716	2097951.8	46.77	0.703	mg/L	46.77	0.703	ppm	1.50%
Cu 324.754	5330742.2	47.80	0.882	mg/L	47.80	0.882	ppm	1.84%
Fe 273.955	1597.5	-0.0054	0.00404	mg/L	-0.0054	0.00404	ppm	74.48%
K 766.491	11298.1	0.2473	0.00969	mg/L	0.2473	0.00969	ppm	3.92%
Mg 279.079	-330.4	-0.0347	0.00674	mg/L	-0.0347	0.00674	ppm	19.40%
Mn 257.610	7011964.2	16.73	0.220	mg/L	16.73	0.220	ppm	1.32%
Mo 202.030	134600.1	10.02	0.446	mg/L	10.02	0.446	ppm	4.45%
Na 330.237	296954.6	492.9	19.33	mg/L	492.9	19.33	ppm	3.92%
Ni 231.604	742483.8	18.74	0.847	mg/L	18.74	0.847	ppm	4.52%
Pb 220.353	1102368.5	76.40	3.157	mg/L	76.40	3.157	ppm	4.13%
Sb 206.833	422.7	-0.0171	0.00379	mg/L	-0.0171	0.00379	ppm	22.20%
Se 196.026	24.2	0.0117	0.00220	mg/L	0.0117	0.00220	ppm	18.77%
Tl 190.800	-68.4	-0.0039	0.00299	mg/L	-0.0039	0.00299	ppm	76.38%
V 292.402	1820671.8	18.62	0.950	mg/L	18.62	0.950	ppm	5.10%
Zn 213.856	1922692.2	36.35	1.399	mg/L	36.35	1.399	ppm	3.85%