2	Be 313.107	-208.4	-465.2	-0.0002	mg/L	-0.0002 ppm
2	Ca 227.547	15626.4	14969.6	75.33	mg/L	75.33 ppm
2	Cd 228.802	2.9	-30.6	-0.0003	mg/L	-0.0003 ppm
2	Co 228.616	-464.2	90.0	0.0010	mg/L	0.0010 ppm
2	Cr 267.716	620.0	544.8	0.0060	mg/L	0.0060 ppm
2	Cu 324.754	5252.2	1919.9	0.0077	mg/L	0.0077 ppm
2	Fe 273.955	22555.1	22196.2	0.5530	mg/L	0.5530 ppm
2	K 766.491	Saturated				
2	Mg 279.079	15336554.9	15333183.6	380.5	mg/L	380.5 ppm
2	Mn 257.610	1160366.5	1159033.3	0.8988	mg/L	0.8988 ppm
2	Mo 202.030	451.8	604.5	0.0369	mg/L	0.0369 ppm
2	Na 330.237	3186779.5	3182130.7	8011	mg/L	8011 ppm
2	Ni 231.604	-217.7	192.6	0.0044	mg/L	0.0044 ppm
2	Pb 220.353	438.0	32.5	0.0005	mg/L	0.0005 ppm
2	Sb 206.833	92.4	12.2	0.0032	mg/L	0.0032 ppm
2	Se 196.026	119.7	4.9	0.0019	mg/L	0.0019 ppm
2	Tl 190.800	384.1	15.9	-0.0043	mg/L	-0.0043 ppm
2	V 292.402	1401.4	1783.1	0.0159	mg/L	0.0159 ppm
2	Zn 213.856	911.7	1349.0	0.0079	mg/L	0.0079 ppm
3	Ag 328.068	1596.8	-179.0	-0.0010	mg/L	-0.0010 ppm
3	Al 308.215	3986.9	402.2	0.0136	mg/L	0.0136 ppm
3	As 188.979	129.9	-0.0	0.0025	mg/L	0.0025 ppm
3	Ba 233.527	35077.7	36100.6	0.0949	mg/L	0.0949 ppm
3	Be 313.107	-173.5	-430.2	-0.0002	mg/L	-0.0002 ppm
3	Ca 227.547	16392.5	15735.7	79.19	mg/L	79.19 ppm
3	Cd 228.802	15.9	-17.5	-0.0002	mg/L	-0.0002 ppm
3	Co 228.616	-457.7	96.5	0.0011	mg/L	0.0011 ppm
3	Cr 267.716	492.5	417.2	0.0046	mg/L	0.0046 ppm
3	Cu 324.754	5562.7	2230.5	0.0089	mg/L	0.0089 ppm
3	Fe 273.955	23710.9	23351.9	0.5818	mg/L	0.5818 ppm
3	K 766.491	Saturated				
3	Mg 279.079	15273228.3	15269857.0	379.0	mg/L	379.0 ppm
3	Mn 257.610	1161042.7	1159709.6	0.8993	mg/L	0.8993 ppm
3	Mo 202.030	455.8	608.5	0.0372	mg/L	0.0372 ppm
3	Na 330.237	3195051.4	3190402.6	8011	mg/L	8011 ppm
3	Ni 231.604	-177.5	232.8	0.0053	mg/L	0.0053 ppm
3	Pb 220.353	420.7	15.1	-0.0006	mg/L	-0.0006 ppm
3	Sb 206.833	96.8	16.7	0.0043	mg/L	0.0043 ppm
3	Se 196.026	117.6	2.8	0.0011	mg/L	0.0011 ppm
3	Tl 190.800	368.6	0.5	-0.0085	mg/L	-0.0085 ppm
3	V 292.402	1277.1	1658.8	0.0148	mg/L	0.0148 ppm
3	Zn 213.856	906.1	1343.4	0.0079	mg/L	0.0079 ppm

ean Data ----------

): 3261-3 F=1 Seq. No.: 26 Sample No.: 13 A/S Pos: 22
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:15:28 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-239.8	-0.0014	0.00030	mg/L	-0.0014	0.00030	ppm	21.97%
l 308.215	458.0	0.0155	0.00611	mg/L	0.0155	0.00611	ppm	39.51%
s 188.979	-4.6	0.0009	0.00149	mg/L	0.0009	0.00149	ppm	168.77%
a 233.527	34876.9	0.0917	0.00281	mg/L	0.0917	0.00281	ppm	3.06%
e 313.107	-361.1	-0.0002	0.00007	mg/L	-0.0002	0.00007	ppm	41.83%
a 227.547	15248.5	76.73	2.131	mg/L	76.73	2.131	ppm	2.78%
d 228.802	-23.3	-0.0002	0.00006	mg/L	-0.0002	0.00006	ppm	28.49%
o 228.616	93.4	0.0010	0.00004	mg/L	0.0010	0.00004	ppm	3.50%
r 267.716	493.3	0.0055	0.00075	mg/L	0.0055	0.00075	ppm	13.63%
u 324.754	2081.6	0.0083	0.00062	mg/L	0.0083	0.00062	ppm	7.48%
e 273.955	22688.5	0.5652	0.01486	mg/L	0.5652	0.01486	ppm	2.63%
766.491	Saturated							
g 279.079	15158540.6	376.2	6.20	mg/L	376.2	6.20	ppm	1.65%
n 257.610	1167567.1	0.9055	0.01118	mg/L	0.9055	0.01118	ppm	1.23%
o 202.030	599.3	0.0366	0.00077	mg/L	0.0366	0.00077	ppm	2.09%
a 330.237	3209356.7	8011	0.0	mg/L	8011	0.0	ppm	0.00%
i 231.604	212.4	0.0048	0.00046	mg/L	0.0048	0.00046	ppm	9.45%
b 220.353	16.6	-0.0005	0.00092	mg/L	-0.0005	0.00092	ppm	197.48%
b 206.833	14.1	0.0036	0.00061	mg/L	0.0036	0.00061	ppm	16.63%
e 196.026	5.7	0.0022	0.00133	mg/L	0.0022	0.00133	ppm	59.17%
l 190.800	14.2	-0.0047	0.00367	mg/L	-0.0047	0.00367	ppm	78.52%

292.402	1713.5	0.0153	0.00057 mg/L	0.0153	0.00057 ppm	3.70%
n 213.856	1337.5	0.0079	0.00006 mg/L	0.0079	0.00006 ppm	0.78%

eplicate Data ----------
D: 3261-3 F=15 Date: 5/19/03 12:19:06 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1920.7	144.9	0.0008	mg/L	0.0125	ppm
1	Al 308.215	3690.8	106.1	0.0036	mg/L	0.0537	ppm
1	As 188.979	121.1	-8.8	-0.0030	mg/L	-0.0443	ppm
1	Ba 233.527	1748.6	2771.5	0.0073	mg/L	0.1093	ppm
1	Be 313.107	289.4	32.6	0.0000	mg/L	0.0002	ppm
1	Ca 227.547	1889.4	1232.6	6.203	mg/L	93.04	ppm
1	Cd 228.802	-18.6	-52.1	-0.0005	mg/L	-0.0070	ppm
1	Co 228.616	-517.4	36.9	0.0004	mg/L	0.0061	ppm
1	Cr 267.716	142.1	66.8	0.0007	mg/L	0.0111	ppm
1	Cu 324.754	3099.4	-232.8	-0.0009	mg/L	-0.0140	ppm
1	Fe 273.955	2346.5	1987.6	0.0495	mg/L	0.7427	ppm
1	K 766.491	300174.0	298628.6	16.54	mg/L	248.1	ppm
1	Mg 279.079	1224825.2	1221453.9	30.31	mg/L	454.7	ppm
1	Mn 257.610	97661.6	96328.4	0.0752	mg/L	1.128	ppm
1	Mo 202.030	-105.5	47.2	0.0029	mg/L	0.0432	ppm
1	Na 330.237	253615.1	248966.2	383.1	mg/L	5746	ppm
1	Ni 231.604	-369.1	41.2	0.0009	mg/L	0.0141	ppm
1	Pb 220.353	419.5	14.0	0.0009	mg/L	0.0129	ppm
1	Sb 206.833	99.4	19.3	0.0050	mg/L	0.0747	ppm
1	Se 196.026	126.8	12.0	0.0047	mg/L	0.0707	ppm
1	Tl 190.800	386.0	17.9	0.0049	mg/L	0.0737	ppm
1	V 292.402	-285.7	96.0	0.0009	mg/L	0.0128	ppm
1	Zn 213.856	-408.1	29.1	0.0003	mg/L	0.0044	ppm
2	Ag 328.068	1471.8	-304.0	-0.0018	mg/L	-0.0263	ppm
2	Al 308.215	3923.0	338.3	0.0114	mg/L	0.1712	ppm
2	As 188.979	114.1	-15.9	-0.0053	mg/L	-0.0796	ppm
2	Ba 233.527	1674.6	2697.5	0.0071	mg/L	0.1063	ppm
2	Be 313.107	127.1	-129.7	-0.0001	mg/L	-0.0008	ppm
2	Ca 227.547	1875.4	1218.6	6.132	mg/L	91.98	ppm
2	Cd 228.802	-41.0	-74.4	-0.0007	mg/L	-0.0099	ppm
2	Co 228.616	-527.8	26.4	0.0003	mg/L	0.0044	ppm
2	Cr 267.716	134.0	58.7	0.0007	mg/L	0.0098	ppm
2	Cu 324.754	2874.3	-457.9	-0.0018	mg/L	-0.0275	ppm
2	Fe 273.955	2362.4	2003.4	0.0499	mg/L	0.7486	ppm
2	K 766.491	298866.1	297320.6	16.48	mg/L	247.2	ppm
2	Mg 279.079	1175289.1	1171917.7	29.08	mg/L	436.3	ppm
2	Mn 257.610	93515.6	92182.4	0.0720	mg/L	1.079	ppm
2	Mo 202.030	-120.7	32.0	0.0020	mg/L	0.0293	ppm
2	Na 330.237	242167.5	237518.6	365.0	mg/L	5475	ppm
2	Ni 231.604	-375.2	35.1	0.0008	mg/L	0.0120	ppm
2	Pb 220.353	425.8	20.2	0.0012	mg/L	0.0187	ppm
2	Sb 206.833	89.9	9.7	0.0025	mg/L	0.0378	ppm
2	Se 196.026	123.6	8.8	0.0035	mg/L	0.0519	ppm
2	Tl 190.800	387.5	19.3	0.0053	mg/L	0.0795	ppm
2	V 292.402	-223.5	158.2	0.0014	mg/L	0.0212	ppm
2	Zn 213.856	-425.1	12.1	0.0001	mg/L	0.0018	ppm
3	Ag 328.068	1853.5	77.7	0.0004	mg/L	0.0067	ppm
3	Al 308.215	3943.0	358.4	0.0121	mg/L	0.1813	ppm
3	As 188.979	127.0	-3.0	-0.0010	mg/L	-0.0149	ppm
3	Ba 233.527	1518.8	2541.7	0.0067	mg/L	0.1002	ppm
3	Be 313.107	97.5	-159.3	-0.0001	mg/L	-0.0010	ppm
3	Ca 227.547	1855.0	1198.2	6.030	mg/L	90.45	ppm
3	Cd 228.802	-17.2	-50.7	-0.0005	mg/L	-0.0068	ppm
3	Co 228.616	-560.7	-6.5	-0.0001	mg/L	-0.0011	ppm
3	Cr 267.716	104.7	29.5	0.0003	mg/L	0.0049	ppm
3	Cu 324.754	2646.1	-686.2	-0.0028	mg/L	-0.0413	ppm
3	Fe 273.955	2217.2	1858.3	0.0463	mg/L	0.6944	ppm
3	K 766.491	306507.6	304962.1	16.86	mg/L	252.9	ppm
3	Mg 279.079	1188068.2	1184696.9	29.40	mg/L	441.0	ppm
3	Mn 257.610	94735.8	93402.7	0.0729	mg/L	1.094	ppm
3	Mo 202.030	-112.1	40.6	0.0025	mg/L	0.0372	ppm

3	Na 330.237	245218.4	240569.5	369.8	mg/L	5547 ppm
3	Ni 231.604	-390.9	19.4	0.0004	mg/L	0.0066 ppm
3	Pb 220.353	399.3	-6.3	-0.0004	mg/L	-0.0058 ppm
3	Sb 206.833	80.3	0.2	0.0000	mg/L	0.0006 ppm
3	Se 196.026	109.7	-5.1	-0.0020	mg/L	-0.0302 ppm
3	Tl 190.800	377.9	9.8	0.0027	mg/L	0.0403 ppm
3	V 292.402	-154.7	227.0	0.0020	mg/L	0.0304 ppm
3	Zn 213.856	-430.6	6.7	0.0001	mg/L	0.0010 ppm

ean Data ----------

D: 3261-3 F=15 Seq. No.: 27 Sample No.: 14 A/S Pos: 23
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 15.0
Data: Original Date: 5/19/03 12:19:06 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-27.1	-0.0002	0.00140	mg/L	-0.0023	0.02096	ppm	893.18%
l 308.215	267.6	0.0090	0.00473	mg/L	0.1354	0.07094	ppm	52.39%
s 188.979	-9.2	-0.0031	0.00216	mg/L	-0.0463	0.03239	ppm	69.95%
a 233.527	2670.2	0.0070	0.00031	mg/L	0.1053	0.00463	ppm	4.39%
e 313.107	-85.5	0.0000	0.00004	mg/L	-0.0006	0.00067	ppm	120.88%
a 227.547	1216.5	6.122	0.0869	mg/L	91.82	1.304	ppm	1.42%
d 228.802	-59.1	-0.0005	0.00012	mg/L	-0.0079	0.00178	ppm	22.56%
o 228.616	18.9	0.0002	0.00025	mg/L	0.0031	0.00373	ppm	119.55%
r 267.716	51.7	0.0006	0.00022	mg/L	0.0086	0.00327	ppm	38.03%
u 324.754	-459.0	-0.0018	0.00091	mg/L	-0.0276	0.01363	ppm	49.39%
e 273.955	1949.8	0.0486	0.00198	mg/L	0.7286	0.02975	ppm	4.08%
766.491	300303.8	16.63	0.203	mg/L	249.4	3.05	ppm	1.22%
g 279.079	1192689.5	29.60	0.638	mg/L	444.0	9.57	ppm	2.16%
n 257.610	93971.1	0.0733	0.00166	mg/L	1.100	0.0249	ppm	2.27%
o 202.030	39.9	0.0024	0.00047	mg/L	0.0366	0.00700	ppm	19.16%
a 330.237	242351.5	372.6	9.34	mg/L	5590	140.2	ppm	2.51%
i 231.604	31.9	0.0007	0.00026	mg/L	0.0109	0.00386	ppm	35.36%
o 220.353	9.3	0.0006	0.00085	mg/L	0.0086	0.01282	ppm	148.87%
o 206.833	9.7	0.0025	0.00247	mg/L	0.0377	0.03706	ppm	98.22%
e 196.026	5.2	0.0021	0.00358	mg/L	0.0308	0.05367	ppm	174.24%
l 190.800	15.7	0.0043	0.00141	mg/L	0.0645	0.02118	ppm	32.84%
292.402	160.4	0.0014	0.00058	mg/L	0.0215	0.00876	ppm	40.84%
n 213.856	16.0	0.0002	0.00012	mg/L	0.0024	0.00176	ppm	73.35%

eplicate Data ----------

D: 3261-4 F=1 Date: 5/19/03 12:22:41 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1675.5	-100.3	-0.0006	mg/L	-0.0006	ppm
1	Al 308.215	5137.2	1552.5	0.0524	mg/L	0.0524	ppm
1	As 188.979	214.5	84.6	0.0300	mg/L	0.0300	ppm
1	Ba 233.527	190989.2	192012.1	0.5046	mg/L	0.5046	ppm
1	Be 313.107	191.9	-64.9	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	11632.1	10975.3	55.23	mg/L	55.23	ppm
1	Cd 228.802	30.0	-3.4	0.0000	mg/L	0.0000	ppm
1	Co 228.616	-473.7	80.5	0.0009	mg/L	0.0009	ppm
1	Cr 267.716	491.1	415.8	0.0046	mg/L	0.0046	ppm
1	Cu 324.754	6169.7	2837.4	0.0114	mg/L	0.0114	ppm
1	Fe 273.955	3803.7	3444.7	0.0858	mg/L	0.0858	ppm
1	K 766.491	Saturated					
1	Mg 279.079	9128794.4	9125423.1	226.5	mg/L	226.5	ppm
1	Mn 257.610	502781.4	501448.2	0.3879	mg/L	0.3879	ppm
1	Mo 202.030	311.6	464.3	0.0284	mg/L	0.0284	ppm
1	Na 330.237	2249019.5	2244370.6	4825	mg/L	4825	ppm
1	Ni 231.604	-190.8	219.5	0.0050	mg/L	0.0050	ppm
1	Pb 220.353	449.1	43.6	0.0027	mg/L	0.0027	ppm
1	Sb 206.833	83.1	2.9	0.0008	mg/L	0.0008	ppm
1	Se 196.026	117.0	2.2	0.0008	mg/L	0.0008	ppm
1	Tl 190.800	388.8	20.7	0.0005	mg/L	0.0005	ppm
1	V 292.402	5718.5	6100.2	0.0544	mg/L	0.0544	ppm
1	Zn 213.856	1401.9	1839.2	0.0184	mg/L	0.0184	ppm
2	Ag 328.068	1824.7	48.9	0.0003	mg/L	0.0003	ppm
2	Al 308.215	5148.6	1563.9	0.0528	mg/L	0.0528	ppm

2	As 188.979	207.8	77.8	0.0278	mg/L	0.0278 ppm
2	Ba 233.527	190478.4	191501.3	0.5033	mg/L	0.5033 ppm
2	Be 313.107	175.3	-81.4	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	11637.9	10981.1	55.26	mg/L	55.26 ppm
2	Cd 228.802	42.5	9.1	0.0001	mg/L	0.0001 ppm
2	Co 228.616	-500.2	54.1	0.0006	mg/L	0.0006 ppm
2	Cr 267.716	463.7	388.4	0.0043	mg/L	0.0043 ppm
2	Cu 324.754	6012.9	2680.6	0.0107	mg/L	0.0107 ppm
2	Fe 273.955	3516.7	3157.8	0.0787	mg/L	0.0787 ppm
2	K 766.491	Saturated				
2	Mg 279.079	9320740.2	9317368.9	231.2	mg/L	231.2 ppm
2	Mn 257.610	502544.2	501211.0	0.3876	mg/L	0.3876 ppm
2	Mo 202.030	327.7	480.4	0.0293	mg/L	0.0293 ppm
2	Na 330.237	2279875.3	2275226.5	4944	mg/L	4944 ppm
2	Ni 231.604	-175.9	234.4	0.0053	mg/L	0.0053 ppm
2	Pb 220.353	422.7	17.1	0.0011	mg/L	0.0011 ppm
2	Sb 206.833	89.5	9.3	0.0024	mg/L	0.0024 ppm
2	Se 196.026	123.9	9.1	0.0036	mg/L	0.0036 ppm
2	Tl 190.800	393.6	25.4	0.0017	mg/L	0.0017 ppm
2	V 292.402	5744.6	6126.3	0.0546	mg/L	0.0546 ppm
2	Zn 213.856	1422.4	1859.7	0.0186	mg/L	0.0186 ppm
3	Ag 328.068	1654.5	-121.3	-0.0007	mg/L	-0.0007 ppm
3	Al 308.215	5324.8	1740.1	0.0587	mg/L	0.0587 ppm
3	As 188.979	216.7	86.7	0.0308	mg/L	0.0308 ppm
3	Ba 233.527	197822.4	198845.3	0.5226	mg/L	0.5226 ppm
3	Be 313.107	-129.3	-386.0	-0.0002	mg/L	-0.0002 ppm
3	Ca 227.547	12013.5	11356.7	57.15	mg/L	57.15 ppm
3	Cd 228.802	17.7	-15.7	-0.0001	mg/L	-0.0001 ppm
3	Co 228.616	-476.6	77.7	0.0009	mg/L	0.0009 ppm
3	Cr 267.716	523.8	448.5	0.0050	mg/L	0.0050 ppm
3	Cu 324.754	6046.0	2713.8	0.0109	mg/L	0.0109 ppm
3	Fe 273.955	3616.3	3257.3	0.0811	mg/L	0.0811 ppm
3	K 766.491	Saturated				
3	Mg 279.079	9093782.4	9090411.0	225.6	mg/L	225.6 ppm
3	Mn 257.610	521494.1	520160.9	0.4025	mg/L	0.4025 ppm
3	Mo 202.030	308.4	461.0	0.0282	mg/L	0.0282 ppm
3	Na 330.237	2230924.0	2226275.2	4757	mg/L	4757 ppm
3	Ni 231.604	-187.5	222.8	0.0051	mg/L	0.0051 ppm
3	Pb 220.353	441.2	35.7	0.0022	mg/L	0.0022 ppm
3	Sb 206.833	82.3	2.1	0.0005	mg/L	0.0005 ppm
3	Se 196.026	120.3	5.5	0.0022	mg/L	0.0022 ppm
3	Tl 190.800	390.0	21.8	0.0009	mg/L	0.0009 ppm
3	V 292.402	5854.8	6236.5	0.0556	mg/L	0.0556 ppm
3	Zn 213.856	1384.7	1821.9	0.0183	mg/L	0.0183 ppm

ean Data ----------

D: 3261-4 F=1 Seq. No.: 28 Sample No.: 15 A/S Pos: 24
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:22:41 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-57.6	-0.0003	0.00054	mg/L	-0.0003	0.00054	ppm	161.27%
l 308.215	1618.8	0.0546	0.00355	mg/L	0.0546	0.00355	ppm	6.50%
s 188.979	83.0	0.0295	0.00158	mg/L	0.0295	0.00158	ppm	5.34%
a 233.527	194119.6	0.5102	0.01078	mg/L	0.5102	0.01078	ppm	2.11%
e 313.107	-177.5	-0.0001	0.00008	mg/L	-0.0001	0.00008	ppm	101.88%
a 227.547	11104.3	55.88	1.100	mg/L	55.88	1.100	ppm	1.97%
d 228.802	-3.4	0.0000	0.00011	mg/L	0.0000	0.00011	ppm	368.21%
o 228.616	70.8	0.0008	0.00016	mg/L	0.0008	0.00016	ppm	20.52%
r 267.716	417.6	0.0046	0.00033	mg/L	0.0046	0.00033	ppm	7.20%
u 324.754	2744.0	0.0110	0.00033	mg/L	0.0110	0.00033	ppm	3.01%
e 273.955	3286.6	0.0819	0.00363	mg/L	0.0819	0.00363	ppm	4.43%
766.491	Saturated							
g 279.079	9177734.4	227.8	3.03	mg/L	227.8	3.03	ppm	1.33%
n 257.610	507606.7	0.3927	0.00852	mg/L	0.3927	0.00852	ppm	2.17%
o 202.030	468.6	0.0286	0.00063	mg/L	0.0286	0.00063	ppm	2.21%
a 330.237	2248624.1	4842	94.4	mg/L	4842	94.4	ppm	1.95%
i 231.604	225.6	0.0051	0.00018	mg/L	0.0051	0.00018	ppm	3.49%
b 220.353	32.1	0.0020	0.00084	mg/L	0.0020	0.00084	ppm	42.26%
b 206.833	4.8	0.0012	0.00102	mg/L	0.0012	0.00102	ppm	82.63%

e 196.026	5.6	0.0022	0.00136 mg/L	0.0022	0.00136 ppm	61.90%
l 190.800	22.6	0.0010	0.00062 mg/L	0.0010	0.00062 ppm	59.90%
292.402	6154.4	0.0549	0.00064 mg/L	0.0549	0.00064 ppm	1.18%
n 213.856	1840.3	0.0184	0.00019 mg/L	0.0184	0.00019 ppm	1.03%

eplicate Data ----------
D: 3261-4 F=10 Date: 5/19/03 12:26:16 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1782.8	7.0	0.0000	mg/L	0.0004	ppm
1	Al 308.215	3833.2	248.5	0.0084	mg/L	0.0838	ppm
1	As 188.979	126.9	-3.0	-0.0010	mg/L	-0.0102	ppm
1	Ba 233.527	21751.1	22774.0	0.0599	mg/L	0.5985	ppm
1	Be 313.107	2.9	-253.9	-0.0001	mg/L	-0.0011	ppm
1	Ca 227.547	1997.0	1340.2	6.744	mg/L	67.44	ppm
1	Cd 228.802	-19.7	-53.2	-0.0005	mg/L	-0.0047	ppm
1	Co 228.616	-577.9	-23.7	-0.0003	mg/L	-0.0026	ppm
1	Cr 267.716	154.2	78.9	0.0009	mg/L	0.0087	ppm
1	Cu 324.754	3026.2	-306.1	-0.0012	mg/L	-0.0123	ppm
1	Fe 273.955	750.2	391.2	0.0097	mg/L	0.0975	ppm
1	K 766.491	301254.6	299709.1	16.60	mg/L	166.0	ppm
1	Mg 279.079	1063954.0	1060582.7	26.32	mg/L	263.2	ppm
1	Mn 257.610	60841.3	59508.1	0.0464	mg/L	0.4645	ppm
1	Mo 202.030	-108.4	44.3	0.0027	mg/L	0.0270	ppm
1	Na 330.237	247158.9	242510.1	372.9	mg/L	3729	ppm
1	Ni 231.604	-400.1	10.2	0.0002	mg/L	0.0023	ppm
1	Pb 220.353	426.6	21.1	0.0013	mg/L	0.0130	ppm
1	Sb 206.833	80.3	0.2	0.0000	mg/L	0.0005	ppm
1	Se 196.026	119.8	5.0	0.0020	mg/L	0.0197	ppm
1	Tl 190.800	378.7	10.6	0.0029	mg/L	0.0290	ppm
1	V 292.402	408.7	790.4	0.0070	mg/L	0.0705	ppm
1	Zn 213.856	-233.1	204.1	0.0020	mg/L	0.0205	ppm
2	Ag 328.068	1616.4	-159.5	-0.0009	mg/L	-0.0092	ppm
2	Al 308.215	4015.7	431.1	0.0145	mg/L	0.1454	ppm
2	As 188.979	140.1	10.1	0.0034	mg/L	0.0339	ppm
2	Ba 233.527	21912.9	22935.8	0.0603	mg/L	0.6028	ppm
2	Be 313.107	91.0	-165.8	-0.0001	mg/L	-0.0007	ppm
2	Ca 227.547	1993.0	1336.1	6.724	mg/L	67.24	ppm
2	Cd 228.802	-16.6	-50.0	-0.0004	mg/L	-0.0045	ppm
2	Co 228.616	-572.1	-17.8	-0.0002	mg/L	-0.0020	ppm
2	Cr 267.716	157.9	82.6	0.0009	mg/L	0.0092	ppm
2	Cu 324.754	2884.8	-447.4	-0.0018	mg/L	-0.0179	ppm
2	Fe 273.955	778.7	419.7	0.0105	mg/L	0.1046	ppm
2	K 766.491	299874.9	298329.4	16.53	mg/L	165.3	ppm
2	Mg 279.079	1086245.2	1082873.9	26.87	mg/L	268.7	ppm
2	Mn 257.610	61828.0	60494.8	0.0472	mg/L	0.4722	ppm
2	Mo 202.030	-103.3	49.4	0.0030	mg/L	0.0302	ppm
2	Na 330.237	251683.4	247034.6	380.0	mg/L	3800	ppm
2	Ni 231.604	-382.9	27.4	0.0006	mg/L	0.0063	ppm
2	Pb 220.353	412.3	6.8	0.0004	mg/L	0.0042	ppm
2	Sb 206.833	73.9	-6.3	-0.0016	mg/L	-0.0163	ppm
2	Se 196.026	116.2	1.4	0.0006	mg/L	0.0056	ppm
2	Tl 190.800	387.0	18.8	0.0052	mg/L	0.0517	ppm
2	V 292.402	315.0	696.7	0.0062	mg/L	0.0621	ppm
2	Zn 213.856	-231.1	206.1	0.0021	mg/L	0.0207	ppm
3	Ag 328.068	1623.8	-152.0	-0.0009	mg/L	-0.0088	ppm
3	Al 308.215	3868.1	283.4	0.0096	mg/L	0.0956	ppm
3	As 188.979	150.4	20.4	0.0068	mg/L	0.0684	ppm
3	Ba 233.527	21892.3	22915.2	0.0602	mg/L	0.6022	ppm
3	Be 313.107	185.8	-70.9	0.0000	mg/L	-0.0003	ppm
3	Ca 227.547	2007.7	1350.8	6.798	mg/L	67.98	ppm
3	Cd 228.802	-7.8	-41.3	-0.0004	mg/L	-0.0037	ppm
3	Co 228.616	-564.0	-9.8	-0.0001	mg/L	-0.0011	ppm
3	Cr 267.716	124.2	48.9	0.0005	mg/L	0.0054	ppm
3	Cu 324.754	2849.5	-482.7	-0.0019	mg/L	-0.0194	ppm
3	Fe 273.955	605.4	246.5	0.0061	mg/L	0.0614	ppm
3	K 766.491	291521.3	289975.8	16.11	mg/L	161.1	ppm
3	Mg 279.079	1075321.0	1071949.6	26.60	mg/L	266.0	ppm

3	Mn 257.610	61382.8	60049.6	0.0469	mg/L	0.4687 ppm
3	Mo 202.030	-107.1	45.6	0.0028	mg/L	0.0279 ppm
3	Na 330.237	249117.5	244468.7	376.0	mg/L	3760 ppm
3	Ni 231.604	-393.7	16.6	0.0004	mg/L	0.0038 ppm
3	Pb 220.353	424.8	19.2	0.0012	mg/L	0.0119 ppm
3	Sb 206.833	104.5	24.4	0.0063	mg/L	0.0631 ppm
3	Se 196.026	112.0	-2.8	-0.0011	mg/L	-0.0108 ppm
3	Tl 190.800	390.3	22.1	0.0061	mg/L	0.0607 ppm
3	V 292.402	357.1	738.8	0.0066	mg/L	0.0659 ppm
3	Zn 213.856	-225.8	211.4	0.0021	mg/L	0.0212 ppm

ean Data ----------

D: 3261-4 F=10 Seq. No.: 29 Sample No.: 16 A/S Pos: 25
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 12:26:16 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-101.5	-0.0006	0.00054	mg/L	-0.0059	0.00543	ppm	92.66%
l 308.215	321.0	0.0108	0.00327	mg/L	0.1083	0.03269	ppm	30.19%
s 188.979	9.2	0.0031	0.00394	mg/L	0.0307	0.03938	ppm	128.16%
a 233.527	22875.0	0.0601	0.00023	mg/L	0.6012	0.00231	ppm	0.38%
e 313.107	-163.6	-0.0001	0.00004	mg/L	-0.0007	0.00039	ppm	55.95%
a 227.547	1342.4	6.755	0.0382	mg/L	67.55	0.382	ppm	0.57%
d 228.802	-48.2	-0.0004	0.00005	mg/L	-0.0043	0.00055	ppm	12.78%
o 228.616	-17.1	-0.0002	0.00008	mg/L	-0.0019	0.00076	ppm	40.70%
r 267.716	70.1	0.0008	0.00020	mg/L	0.0078	0.00205	ppm	26.37%
u 324.754	-412.1	-0.0017	0.00037	mg/L	-0.0165	0.00375	ppm	22.68%
e 273.955	352.5	0.0088	0.00231	mg/L	0.0878	0.02314	ppm	26.35%
766.491	296004.8	16.41	0.263	mg/L	164.1	2.63	ppm	1.60%
g 279.079	1071802.1	26.60	0.277	mg/L	266.0	2.77	ppm	1.04%
n 257.610	60017.5	0.0468	0.00039	mg/L	0.4684	0.00386	ppm	0.82%
o 202.030	46.4	0.0028	0.00016	mg/L	0.0284	0.00162	ppm	5.70%
a 330.237	244671.1	376.3	3.58	mg/L	3763	35.8	ppm	0.95%
i 231.604	18.1	0.0004	0.00020	mg/L	0.0041	0.00199	ppm	48.19%
b 220.353	15.7	0.0010	0.00048	mg/L	0.0097	0.00477	ppm	49.34%
b 206.833	6.1	0.0016	0.00418	mg/L	0.0158	0.04182	ppm	265.42%
e 196.026	1.2	0.0005	0.00153	mg/L	0.0048	0.01528	ppm	316.52%
l 190.800	17.2	0.0047	0.00163	mg/L	0.0472	0.01633	ppm	34.62%
292.402	742.0	0.0066	0.00042	mg/L	0.0662	0.00419	ppm	6.33%
n 213.856	207.2	0.0021	0.00004	mg/L	0.0208	0.00038	ppm	1.81%

eplicate Data ----------

D: 3261-5 F=1 Date: 5/19/03 12:29:50 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1533.6	-242.2	-0.0014	mg/L	-0.0014	ppm
1	Al 308.215	7528.1	3943.4	0.1330	mg/L	0.1330	ppm
1	As 188.979	153.2	23.3	0.0078	mg/L	0.0078	ppm
1	Ba 233.527	24453.8	25476.7	0.0670	mg/L	0.0670	ppm
1	Be 313.107	3.6	-253.2	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	4913.6	4256.7	21.42	mg/L	21.42	ppm
1	Cd 228.802	13.1	-20.4	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	-405.6	148.6	0.0016	mg/L	0.0016	ppm
1	Cr 267.716	402.4	327.1	0.0036	mg/L	0.0036	ppm
1	Cu 324.754	6388.8	3056.6	0.0123	mg/L	0.0123	ppm
1	Fe 273.955	8221.7	7862.8	0.1959	mg/L	0.1959	ppm
1	K 766.491	Saturated					
1	Mg 279.079	2632505.5	2629134.2	65.25	mg/L	65.25	ppm
1	Mn 257.610	743291.0	741957.8	0.5791	mg/L	0.5791	ppm
1	Mo 202.030	2440.7	2593.4	0.1584	mg/L	0.1584	ppm
1	Na 330.237	1524673.1	1520024.3	2759	mg/L	2759	ppm
1	Ni 231.604	-82.8	327.5	0.0075	mg/L	0.0075	ppm
1	Pb 220.353	419.2	13.7	0.0008	mg/L	0.0008	ppm
1	Sb 206.833	85.8	5.6	0.0015	mg/L	0.0015	ppm
1	Se 196.026	120.9	6.1	0.0024	mg/L	0.0024	ppm
1	Tl 190.800	390.9	22.7	0.0047	mg/L	0.0047	ppm
1	V 292.402	1218.7	1600.4	0.0143	mg/L	0.0143	ppm
1	Zn 213.856	442.5	879.8	0.0088	mg/L	0.0088	ppm

2 Ag 328.068	1855.3	79.5	0.0005	mg/L	0.0005 ppm
2 Al 308.215	7312.9	3728.2	0.1258	mg/L	0.1258 ppm
2 As 188.979	150.2	20.2	0.0068	mg/L	0.0068 ppm
2 Ba 233.527	24484.1	25507.0	0.0670	mg/L	0.0670 ppm
2 Be 313.107	122.5	-134.3	-0.0001	mg/L	-0.0001 ppm
2 Ca 227.547	4939.7	4282.8	21.55	mg/L	21.55 ppm
2 Cd 228.802	18.4	-15.0	-0.0001	mg/L	-0.0001 ppm
2 Co 228.616	-386.8	167.4	0.0018	mg/L	0.0018 ppm
2 Cr 267.716	386.7	311.5	0.0035	mg/L	0.0035 ppm
2 Cu 324.754	6264.3	2932.1	0.0118	mg/L	0.0118 ppm
2 Fe 273.955	8281.6	7922.7	0.1974	mg/L	0.1974 ppm
2 K 766.491	Saturated				
2 Mg 279.079	2610501.0	2607129.7	64.70	mg/L	64.70 ppm
2 Mn 257.610	738671.3	737338.1	0.5755	mg/L	0.5755 ppm
2 Mo 202.030	2464.1	2616.8	0.1598	mg/L	0.1598 ppm
2 Na 330.237	1504824.4	1500175.5	2713	mg/L	2713 ppm
2 Ni 231.604	-82.2	328.1	0.0075	mg/L	0.0075 ppm
2 Pb 220.353	423.6	18.1	0.0011	mg/L	0.0011 ppm
2 Sb 206.833	97.9	17.7	0.0046	mg/L	0.0046 ppm
2 Se 196.026	124.1	9.3	0.0037	mg/L	0.0037 ppm
2 Tl 190.800	386.4	18.2	0.0035	mg/L	0.0035 ppm
2 V 292.402	1149.0	1530.7	0.0136	mg/L	0.0136 ppm
2 Zn 213.856	462.0	899.3	0.0090	mg/L	0.0090 ppm
3 Ag 328.068	1591.3	-184.5	-0.0011	mg/L	-0.0011 ppm
3 Al 308.215	7538.2	3953.6	0.1334	mg/L	0.1334 ppm
3 As 188.979	161.8	31.8	0.0106	mg/L	0.0106 ppm
3 Ba 233.527	25402.6	26425.5	0.0694	mg/L	0.0694 ppm
3 Be 313.107	89.6	-167.2	-0.0001	mg/L	-0.0001 ppm
3 Ca 227.547	4904.5	4247.7	21.38	mg/L	21.38 ppm
3 Cd 228.802	-1.8	-35.3	-0.0003	mg/L	-0.0003 ppm
3 Co 228.616	-390.1	164.1	0.0018	mg/L	0.0018 ppm
3 Cr 267.716	413.8	338.5	0.0038	mg/L	0.0038 ppm
3 Cu 324.754	6198.1	2865.9	0.0115	mg/L	0.0115 ppm
3 Fe 273.955	8466.2	8107.2	0.2020	mg/L	0.2020 ppm
3 K 766.491	Saturated				
3 Mg 279.079	2568385.7	2565014.4	63.66	mg/L	63.66 ppm
3 Mn 257.610	724700.6	723367.4	0.5646	mg/L	0.5646 ppm
3 Mo 202.030	2442.3	2595.0	0.1585	mg/L	0.1585 ppm
3 Na 330.237	1478177.3	1473528.5	2653	mg/L	2653 ppm
3 Ni 231.604	-87.0	323.3	0.0074	mg/L	0.0074 ppm
3 Pb 220.353	426.7	21.2	0.0013	mg/L	0.0013 ppm
3 Sb 206.833	82.3	2.1	0.0006	mg/L	0.0006 ppm
3 Se 196.026	117.9	3.1	0.0012	mg/L	0.0012 ppm
3 Tl 190.800	388.4	20.3	0.0041	mg/L	0.0041 ppm
3 V 292.402	1225.9	1607.6	0.0143	mg/L	0.0143 ppm
3 Zn 213.856	444.2	881.4	0.0088	mg/L	0.0088 ppm

ean Data ----------

): 3261-5 F=1 Seq. No.: 30 Sample No.: 17 A/S Pos: 26
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:29:50 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-115.7	-0.0007	0.00099	mg/L	-0.0007	0.00099	ppm	148.21%
. 308.215	3875.1	0.1307	0.00429	mg/L	0.1307	0.00429	ppm	3.28%
s 188.979	25.1	0.0084	0.00201	mg/L	0.0084	0.00201	ppm	23.90%
a 233.527	25803.1	0.0678	0.00142	mg/L	0.0678	0.00142	ppm	2.09%
e 313.107	-184.9	-0.0001	0.00003	mg/L	-0.0001	0.00003	ppm	33.22%
a 227.547	4262.4	21.45	0.092	mg/L	21.45	0.092	ppm	0.43%
d 228.802	-23.6	-0.0002	0.00009	mg/L	-0.0002	0.00009	ppm	44.49%
o 228.616	160.1	0.0018	0.00011	mg/L	0.0018	0.00011	ppm	6.26%
r 267.716	325.7	0.0036	0.00015	mg/L	0.0036	0.00015	ppm	4.17%
u 324.754	2951.5	0.0118	0.00039	mg/L	0.0118	0.00039	ppm	3.28%
e 273.955	7964.2	0.1984	0.00317	mg/L	0.1984	0.00317	ppm	1.60%
766.491	Saturated							
g 279.079	2600426.1	64.54	0.809	mg/L	64.54	0.809	ppm	1.25%
n 257.610	734221.1	0.5731	0.00755	mg/L	0.5731	0.00755	ppm	1.32%
o 202.030	2601.7	0.1589	0.00080	mg/L	0.1589	0.00080	ppm	0.50%
a 330.237	1497909.4	2708	52.9	mg/L	2708	52.9	ppm	1.95%
. 231.604	326.3	0.0074	0.00006	mg/L	0.0074	0.00006	ppm	0.81%

b 220.353	17.7	0.0011	0.00023 mg/L	0.0011	0.00023 ppm	21.38%
b 206.833	8.5	0.0022	0.00212 mg/L	0.0022	0.00212 ppm	96.33%
e 196.026	6.2	0.0024	0.00122 mg/L	0.0024	0.00122 ppm	50.36%
l 190.800	20.4	0.0041	0.00061 mg/L	0.0041	0.00061 ppm	14.78%
292.402	1579.6	0.0141	0.00038 mg/L	0.0141	0.00038 ppm	2.69%
n 213.856	886.8	0.0089	0.00011 mg/L	0.0089	0.00011 ppm	1.22%

eplicate Data ----------

D: 3261-5 F=10 Date: 5/19/03 12:33:24 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1848.2	72.4	0.0004	mg/L	0.0042	ppm
1	Al 308.215	4389.9	805.2	0.0272	mg/L	0.2716	ppm
1	As 188.979	131.2	1.3	0.0004	mg/L	0.0043	ppm
1	Ba 233.527	2012.2	3035.1	0.0080	mg/L	0.0798	ppm
1	Be 313.107	-84.5	-341.3	-0.0001	mg/L	-0.0015	ppm
1	Ca 227.547	1147.8	491.0	2.471	mg/L	24.71	ppm
1	Cd 228.802	-41.4	-74.9	-0.0007	mg/L	-0.0067	ppm
1	Co 228.616	-557.0	-2.8	0.0000	mg/L	-0.0003	ppm
1	Cr 267.716	123.0	47.8	0.0005	mg/L	0.0053	ppm
1	Cu 324.754	3144.9	-187.3	-0.0008	mg/L	-0.0075	ppm
1	Fe 273.955	1227.8	868.9	0.0216	mg/L	0.2165	ppm
1	K 766.491	172962.1	171416.7	9.956	mg/L	99.56	ppm
1	Mg 279.079	307499.3	304128.0	7.548	mg/L	75.48	ppm
1	Mn 257.610	85986.2	84653.0	0.0661	mg/L	0.6607	ppm
1	Mo 202.030	122.9	275.6	0.0168	mg/L	0.1683	ppm
1	Na 330.237	158113.8	153465.0	233.8	mg/L	2338	ppm
1	Ni 231.604	-397.0	13.3	0.0003	mg/L	0.0030	ppm
1	Pb 220.353	413.3	7.8	0.0005	mg/L	0.0048	ppm
1	Sb 206.833	89.7	9.6	0.0025	mg/L	0.0248	ppm
1	Se 196.026	111.4	-3.4	-0.0013	mg/L	-0.0132	ppm
1	Tl 190.800	370.5	2.3	0.0006	mg/L	0.0065	ppm
1	V 292.402	-297.9	83.8	0.0007	mg/L	0.0075	ppm
1	Zn 213.856	-339.6	97.6	0.0010	mg/L	0.0098	ppm
2	Ag 328.068	1712.0	-63.8	-0.0004	mg/L	-0.0037	ppm
2	Al 308.215	4317.6	732.9	0.0247	mg/L	0.2472	ppm
2	As 188.979	125.4	-4.6	-0.0015	mg/L	-0.0153	ppm
2	Ba 233.527	1624.9	2647.7	0.0070	mg/L	0.0696	ppm
2	Be 313.107	-71.4	-328.2	-0.0001	mg/L	-0.0014	ppm
2	Ca 227.547	1150.5	493.7	2.484	mg/L	24.84	ppm
2	Cd 228.802	-51.3	-84.8	-0.0008	mg/L	-0.0075	ppm
2	Co 228.616	-566.1	-11.9	-0.0001	mg/L	-0.0013	ppm
2	Cr 267.716	100.2	24.9	0.0003	mg/L	0.0028	ppm
2	Cu 324.754	2959.1	-373.2	-0.0015	mg/L	-0.0150	ppm
2	Fe 273.955	1215.3	856.3	0.0213	mg/L	0.2133	ppm
2	K 766.491	159079.7	157534.2	9.203	mg/L	92.03	ppm
2	Mg 279.079	301807.5	298436.1	7.406	mg/L	74.06	ppm
2	Mn 257.610	83967.7	82634.5	0.0645	mg/L	0.6450	ppm
2	Mo 202.030	127.5	280.2	0.0171	mg/L	0.1711	ppm
2	Na 330.237	155571.1	150922.3	229.9	mg/L	2299	ppm
2	Ni 231.604	-405.4	4.9	0.0001	mg/L	0.0011	ppm
2	Pb 220.353	423.0	17.5	0.0011	mg/L	0.0108	ppm
2	Sb 206.833	95.9	15.7	0.0041	mg/L	0.0407	ppm
2	Se 196.026	115.4	0.6	0.0002	mg/L	0.0023	ppm
2	Tl 190.800	383.6	15.4	0.0042	mg/L	0.0423	ppm
2	V 292.402	-151.0	230.7	0.0021	mg/L	0.0206	ppm
2	Zn 213.856	-363.4	73.8	0.0007	mg/L	0.0074	ppm
3	Ag 328.068	1692.5	-83.3	-0.0005	mg/L	-0.0048	ppm
3	Al 308.215	4628.7	1044.0	0.0352	mg/L	0.3522	ppm
3	As 188.979	142.3	12.3	0.0041	mg/L	0.0412	ppm
3	Ba 233.527	1900.9	2923.8	0.0077	mg/L	0.0768	ppm
3	Be 313.107	165.1	-91.7	0.0000	mg/L	-0.0004	ppm
3	Ca 227.547	1169.5	512.6	2.580	mg/L	25.80	ppm
3	Cd 228.802	-46.2	-79.6	-0.0007	mg/L	-0.0071	ppm
3	Co 228.616	-558.9	-4.7	-0.0001	mg/L	-0.0005	ppm
3	Cr 267.716	111.5	36.3	0.0004	mg/L	0.0040	ppm
3	Cu 324.754	2893.7	-438.5	-0.0018	mg/L	-0.0176	ppm
3	Fe 273.955	1172.0	813.1	0.0203	mg/L	0.2026	ppm

3	K 766.491	174777.1	173231.6	10.05	mg/L	100.5 ppm
3	Mg 279.079	303655.9	300284.6	7.452	mg/L	74.52 ppm
3	Mn 257.610	84678.3	83345.1	0.0651	mg/L	0.6505 ppm
3	Mo 202.030	131.2	283.9	0.0173	mg/L	0.1734 ppm
3	Na 330.237	156341.0	151692.2	231.1	mg/L	2311 ppm
3	Ni 231.604	-398.0	12.3	0.0003	mg/L	0.0028 ppm
3	Pb 220.353	409.6	4.0	0.0002	mg/L	0.0025 ppm
3	Sb 206.833	90.6	10.4	0.0027	mg/L	0.0270 ppm
3	Se 196.026	121.7	6.9	0.0027	mg/L	0.0272 ppm
3	Tl 190.800	388.4	20.2	0.0055	mg/L	0.0555 ppm
3	V 292.402	-323.0	58.7	0.0005	mg/L	0.0052 ppm
3	Zn 213.856	-348.1	89.1	0.0009	mg/L	0.0089 ppm

ean Data ----------

D: 3261-5 F=10 Seq. No.: 31 Sample No.: 18 A/S Pos: 27
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 12:33:24 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-24.9	-0.0001	0.00049	mg/L	-0.0014	0.00490	ppm	340.40%
l 308.215	860.7	0.0290	0.00549	mg/L	0.2903	0.05492	ppm	18.92%
s 188.979	3.0	0.0010	0.00287	mg/L	0.0101	0.02869	ppm	283.95%
a 233.527	2868.9	0.0075	0.00052	mg/L	0.0754	0.00524	ppm	6.95%
e 313.107	-253.7	-0.0001	0.00006	mg/L	-0.0011	0.00061	ppm	55.36%
a 227.547	499.1	2.512	0.0594	mg/L	25.12	0.594	ppm	2.36%
d 228.802	-79.8	-0.0007	0.00004	mg/L	-0.0071	0.00044	ppm	6.18%
o 228.616	-6.5	-0.0001	0.00005	mg/L	-0.0007	0.00053	ppm	74.69%
r 267.716	36.3	0.0004	0.00013	mg/L	0.0040	0.00127	ppm	31.51%
u 324.754	-333.0	-0.0013	0.00052	mg/L	-0.0134	0.00522	ppm	39.13%
e 273.955	846.1	0.0211	0.00073	mg/L	0.2108	0.00729	ppm	3.46%
766.491	167394.2	9.737	0.4656	mg/L	97.37	4.656	ppm	4.78%
g 279.079	300949.6	7.469	0.0721	mg/L	74.69	0.721	ppm	0.96%
n 257.610	83544.2	0.0652	0.00080	mg/L	0.6521	0.00799	ppm	1.23%
o 202.030	279.9	0.0171	0.00025	mg/L	0.1709	0.00254	ppm	1.48%
a 330.237	152026.5	231.6	2.02	mg/L	2316	20.2	ppm	0.87%
i 231.604	10.2	0.0002	0.00010	mg/L	0.0023	0.00104	ppm	44.87%
b 220.353	9.8	0.0006	0.00043	mg/L	0.0060	0.00428	ppm	71.04%
b 206.833	11.9	0.0031	0.00086	mg/L	0.0309	0.00860	ppm	27.88%
e 196.026	1.4	0.0005	0.00204	mg/L	0.0054	0.02036	ppm	374.31%
l 190.800	12.7	0.0035	0.00254	mg/L	0.0347	0.02537	ppm	73.02%
292.402	124.4	0.0011	0.00083	mg/L	0.0111	0.00828	ppm	74.66%
n 213.856	86.8	0.0009	0.00012	mg/L	0.0087	0.00121	ppm	13.91%

eplicate Data ----------

D: 3261-6 F=1 Date: 5/19/03 12:36:59 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1876.2	100.4	0.0006	mg/L	0.0006	ppm
1	Al 308.215	5421.8	1837.1	0.0620	mg/L	0.0620	ppm
1	As 188.979	155.0	25.1	0.0084	mg/L	0.0084	ppm
1	Ba 233.527	25801.9	26824.8	0.0705	mg/L	0.0705	ppm
1	Be 313.107	188.4	-68.4	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	5280.6	4623.8	23.27	mg/L	23.27	ppm
1	Cd 228.802	11.7	-21.7	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	-372.7	181.6	0.0020	mg/L	0.0020	ppm
1	Cr 267.716	437.0	361.7	0.0040	mg/L	0.0040	ppm
1	Cu 324.754	6259.2	2927.0	0.0117	mg/L	0.0117	ppm
1	Fe 273.955	4057.1	3698.2	0.0921	mg/L	0.0921	ppm
1	K 766.491	Saturated					
1	Mg 279.079	2829657.0	2826285.7	70.14	mg/L	70.14	ppm
1	Mn 257.610	770559.5	769226.3	0.6004	mg/L	0.6004	ppm
1	Mo 202.030	2538.8	2691.5	0.1644	mg/L	0.1644	ppm
1	Na 330.237	1586748.3	1582099.4	2903	mg/L	2903	ppm
1	Ni 231.604	-70.6	339.7	0.0077	mg/L	0.0077	ppm
1	Pb 220.353	399.3	-6.2	-0.0004	mg/L	-0.0004	ppm
1	Sb 206.833	79.7	-0.4	-0.0001	mg/L	-0.0001	ppm
1	Se 196.026	128.6	13.8	0.0054	mg/L	0.0054	ppm
1	Tl 190.800	390.1	22.0	0.0044	mg/L	0.0044	ppm
1	V 292.402	909.0	1290.7	0.0115	mg/L	0.0115	ppm

1	Zn 213.856	358.6	795.8	0.0080	mg/L	0.0080 ppm
2	Ag 328.068	1685.0	-90.8	-0.0005	mg/L	-0.0005 ppm
2	Al 308.215	5150.8	1566.1	0.0528	mg/L	0.0528 ppm
2	As 188.979	154.7	24.8	0.0083	mg/L	0.0083 ppm
2	Ba 233.527	24757.6	25780.5	0.0678	mg/L	0.0678 ppm
2	Be 313.107	-38.8	-295.5	-0.0001	mg/L	-0.0001 ppm
2	Ca 227.547	5301.3	4644.5	23.37	mg/L	23.37 ppm
2	Cd 228.802	9.9	-23.6	-0.0002	mg/L	-0.0002 ppm
2	Co 228.616	-388.7	165.5	0.0018	mg/L	0.0018 ppm
2	Cr 267.716	335.6	260.3	0.0029	mg/L	0.0029 ppm
2	Cu 324.754	6197.5	2865.2	0.0115	mg/L	0.0115 ppm
2	Fe 273.955	3701.1	3342.2	0.0833	mg/L	0.0833 ppm
2	K 766.491	Saturated				
2	Mg 279.079	2822641.0	2819269.7	69.97	mg/L	69.97 ppm
2	Mn 257.610	769538.4	768205.2	0.5996	mg/L	0.5996 ppm
2	Mo 202.030	2527.9	2680.6	0.1637	mg/L	0.1637 ppm
2	Na 330.237	1576348.0	1571699.1	2878	mg/L	2878 ppm
2	Ni 231.604	-88.5	321.8	0.0073	mg/L	0.0073 ppm
2	Pb 220.353	429.7	24.1	0.0015	mg/L	0.0015 ppm
2	Sb 206.833	73.3	-6.8	-0.0018	mg/L	-0.0018 ppm
2	Se 196.026	121.0	6.2	0.0025	mg/L	0.0025 ppm
2	Tl 190.800	386.5	18.3	0.0034	mg/L	0.0034 ppm
2	V 292.402	1012.8	1394.5	0.0124	mg/L	0.0124 ppm
2	Zn 213.856	362.5	799.7	0.0080	mg/L	0.0080 ppm
3	Ag 328.068	1753.1	-22.7	-0.0001	mg/L	-0.0001 ppm
3	Al 308.215	5498.5	1913.8	0.0646	mg/L	0.0646 ppm
3	As 188.979	163.3	33.3	0.0112	mg/L	0.0112 ppm
3	Ba 233.527	25671.2	26694.1	0.0702	mg/L	0.0702 ppm
3	Be 313.107	22.7	-234.1	-0.0001	mg/L	-0.0001 ppm
3	Ca 227.547	5289.3	4632.5	23.31	mg/L	23.31 ppm
3	Cd 228.802	12.7	-20.8	-0.0002	mg/L	-0.0002 ppm
3	Co 228.616	-390.9	163.3	0.0018	mg/L	0.0018 ppm
3	Cr 267.716	363.3	288.1	0.0032	mg/L	0.0032 ppm
3	Cu 324.754	6400.1	3067.8	0.0123	mg/L	0.0123 ppm
3	Fe 273.955	3811.0	3452.1	0.0860	mg/L	0.0860 ppm
3	K 766.491	Saturated				
3	Mg 279.079	2821735.5	2818364.2	69.94	mg/L	69.94 ppm
3	Mn 257.610	768800.8	767467.6	0.5990	mg/L	0.5990 ppm
3	Mo 202.030	2540.6	2693.2	0.1645	mg/L	0.1645 ppm
3	Na 330.237	1574883.1	1570234.3	2875	mg/L	2875 ppm
3	Ni 231.604	-95.3	315.0	0.0072	mg/L	0.0072 ppm
3	Pb 220.353	399.9	-5.6	-0.0003	mg/L	-0.0003 ppm
3	Sb 206.833	69.8	-10.4	-0.0027	mg/L	-0.0027 ppm
3	Se 196.026	126.4	11.6	0.0046	mg/L	0.0046 ppm
3	Tl 190.800	389.2	21.1	0.0042	mg/L	0.0042 ppm
3	V 292.402	906.2	1287.9	0.0115	mg/L	0.0115 ppm
3	Zn 213.856	355.6	792.8	0.0079	mg/L	0.0079 ppm

ean Data ----------

D: 3261-6 F=1 Seq. No.: 32 Sample No.: 19 A/S Pos: 28
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:36:59 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-4.3	0.0000	0.00056	mg/L	0.0000	0.00056	ppm	>999.9%
l 308.215	1772.4	0.0598	0.00616	mg/L	0.0598	0.00616	ppm	10.31%
s 188.979	27.7	0.0093	0.00162	mg/L	0.0093	0.00162	ppm	17.51%
a 233.527	26433.1	0.0695	0.00150	mg/L	0.0695	0.00150	ppm	2.15%
e 313.107	-199.3	-0.0001	0.00005	mg/L	-0.0001	0.00005	ppm	58.95%
a 227.547	4633.6	23.32	0.052	mg/L	23.32	0.052	ppm	0.22%
d 228.802	-22.0	-0.0002	0.00001	mg/L	-0.0002	0.00001	ppm	6.43%
o 228.616	170.1	0.0019	0.00011	mg/L	0.0019	0.00011	ppm	5.86%
r 267.716	303.4	0.0034	0.00058	mg/L	0.0034	0.00058	ppm	17.27%
u 324.754	2953.3	0.0118	0.00042	mg/L	0.0118	0.00042	ppm	3.52%
e 273.955	3497.5	0.0871	0.00454	mg/L	0.0871	0.00454	ppm	5.21%
766.491	Saturated							
g 279.079	2821306.5	70.02	0.108	mg/L	70.02	0.108	ppm	0.15%
n 257.610	768299.7	0.5997	0.00069	mg/L	0.5997	0.00069	ppm	0.11%
o 202.030	2688.4	0.1642	0.00042	mg/L	0.1642	0.00042	ppm	0.25%

a 330.237	1574677.6	2885	15.2 mg/L	2885	15.2 ppm	0.53%
i 231.604	325.5	0.0074	0.00029 mg/L	0.0074	0.00029 ppm	3.92%
b 220.353	4.1	0.0003	0.00107 mg/L	0.0003	0.00107 ppm	421.57%
b 206.833	-5.9	-0.0015	0.00131 mg/L	-0.0015	0.00131 ppm	85.80%
e 196.026	10.6	0.0041	0.00153 mg/L	0.0041	0.00153 ppm	36.97%
l 190.800	20.5	0.0040	0.00052 mg/L	0.0040	0.00052 ppm	12.83%
292.402	1324.4	0.0118	0.00054 mg/L	0.0118	0.00054 ppm	4.59%
n 213.856	796.1	0.0080	0.00003 mg/L	0.0080	0.00003 ppm	0.43%

eplicate Data ----------
D: 3261-6 F=10 Date: 5/19/03 12:40:34 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1821.4	45.6	0.0003	mg/L	0.0026	ppm
1	Al 308.215	3906.5	321.8	0.0109	mg/L	0.1086	ppm
1	As 188.979	128.3	-1.6	-0.0005	mg/L	-0.0055	ppm
1	Ba 233.527	2034.8	3057.7	0.0080	mg/L	0.0804	ppm
1	Be 313.107	-22.6	-279.4	-0.0001	mg/L	-0.0012	ppm
1	Ca 227.547	1189.5	532.6	2.680	mg/L	26.80	ppm
1	Cd 228.802	-23.5	-56.9	-0.0005	mg/L	-0.0051	ppm
1	Co 228.616	-566.5	-12.3	-0.0001	mg/L	-0.0013	ppm
1	Cr 267.716	96.6	21.3	0.0002	mg/L	0.0024	ppm
1	Cu 324.754	3108.5	-223.7	-0.0009	mg/L	-0.0090	ppm
1	Fe 273.955	558.2	199.3	0.0050	mg/L	0.0496	ppm
1	K 766.491	184058.1	182512.7	10.55	mg/L	105.5	ppm
1	Mg 279.079	329794.1	326422.7	8.101	mg/L	81.01	ppm
1	Mn 257.610	88910.1	87576.9	0.0684	mg/L	0.6836	ppm
1	Mo 202.030	147.7	300.4	0.0183	mg/L	0.1835	ppm
1	Na 330.237	164760.8	160111.9	244.1	mg/L	2441	ppm
1	Ni 231.604	-412.9	-2.6	-0.0001	mg/L	-0.0006	ppm
1	Pb 220.353	407.1	1.5	0.0001	mg/L	0.0009	ppm
1	Sb 206.833	70.0	-10.1	-0.0026	mg/L	-0.0262	ppm
1	Se 196.026	121.4	6.6	0.0026	mg/L	0.0260	ppm
1	Tl 190.800	374.1	6.0	0.0016	mg/L	0.0165	ppm
1	V 292.402	-287.2	94.5	0.0008	mg/L	0.0084	ppm
1	Zn 213.856	-404.4	32.9	0.0003	mg/L	0.0033	ppm
2	Ag 328.068	1776.6	0.8	0.0000	mg/L	0.0000	ppm
2	Al 308.215	4210.2	625.6	0.0211	mg/L	0.2110	ppm
2	As 188.979	132.4	2.4	0.0008	mg/L	0.0082	ppm
2	Ba 233.527	1934.2	2957.1	0.0078	mg/L	0.0777	ppm
2	Be 313.107	109.0	-147.8	-0.0001	mg/L	-0.0006	ppm
2	Ca 227.547	1185.4	528.5	2.660	mg/L	26.60	ppm
2	Cd 228.802	-16.8	-50.2	-0.0004	mg/L	-0.0045	ppm
2	Co 228.616	-590.7	-36.4	-0.0004	mg/L	-0.0040	ppm
2	Cr 267.716	115.5	40.2	0.0004	mg/L	0.0045	ppm
2	Cu 324.754	3148.5	-183.7	-0.0007	mg/L	-0.0074	ppm
2	Fe 273.955	705.9	347.0	0.0086	mg/L	0.0864	ppm
2	K 766.491	176803.8	175258.3	10.16	mg/L	101.6	ppm
2	Mg 279.079	334270.0	330898.7	8.212	mg/L	82.12	ppm
2	Mn 257.610	90128.6	88795.4	0.0693	mg/L	0.6931	ppm
2	Mo 202.030	134.6	287.3	0.0175	mg/L	0.1754	ppm
2	Na 330.237	167266.0	162617.1	248.0	mg/L	2480	ppm
2	Ni 231.604	-371.3	39.0	0.0009	mg/L	0.0089	ppm
2	Pb 220.353	401.0	-4.5	-0.0003	mg/L	-0.0028	ppm
2	Sb 206.833	83.3	3.1	0.0008	mg/L	0.0080	ppm
2	Se 196.026	130.0	15.2	0.0060	mg/L	0.0597	ppm
2	Tl 190.800	385.7	17.6	0.0048	mg/L	0.0482	ppm
2	V 292.402	-325.5	56.2	0.0005	mg/L	0.0050	ppm
2	Zn 213.856	-409.6	27.7	0.0003	mg/L	0.0028	ppm
3	Ag 328.068	1911.5	135.7	0.0008	mg/L	0.0078	ppm
3	Al 308.215	3985.0	400.3	0.0135	mg/L	0.1350	ppm
3	As 188.979	136.3	6.3	0.0021	mg/L	0.0212	ppm
3	Ba 233.527	2077.5	3100.4	0.0081	mg/L	0.0815	ppm
3	Be 313.107	-120.1	-376.8	-0.0002	mg/L	-0.0016	ppm
3	Ca 227.547	1189.5	532.6	2.680	mg/L	26.80	ppm
3	Cd 228.802	-28.1	-61.6	-0.0005	mg/L	-0.0055	ppm
3	Co 228.616	-557.9	-3.6	0.0000	mg/L	-0.0004	ppm
3	Cr 267.716	91.9	16.7	0.0002	mg/L	0.0018	ppm

3	Cu 324.754	2925.5	-406.7	-0.0016	mg/L	-0.0163 ppm
3	Fe 273.955	648.3	289.3	0.0072	mg/L	0.0721 ppm
3	K 766.491	175462.2	173916.7	10.09	mg/L	100.9 ppm
3	Mg 279.079	345421.2	342049.9	8.489	mg/L	84.89 ppm
3	Mn 257.610	92780.4	91447.2	0.0714	mg/L	0.7138 ppm
3	Mo 202.030	142.3	295.0	0.0180	mg/L	0.1802 ppm
3	Na 330.237	173634.7	168985.9	257.9	mg/L	2579 ppm
3	Ni 231.604	-426.6	-16.3	-0.0004	mg/L	-0.0037 ppm
3	Pb 220.353	420.5	14.9	0.0009	mg/L	0.0092 ppm
3	Sb 206.833	92.9	12.8	0.0033	mg/L	0.0330 ppm
3	Se 196.026	111.9	-2.9	-0.0012	mg/L	-0.0115 ppm
3	Tl 190.800	382.6	14.4	0.0040	mg/L	0.0397 ppm
3	V 292.402	-364.8	16.9	0.0002	mg/L	0.0015 ppm
3	Zn 213.856	-399.2	38.0	0.0004	mg/L	0.0038 ppm

ean Data ----------

D: 3261-6 F=10 Seq. No.: 33 Sample No.: 20 A/S Pos: 29
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 12:40:34 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	60.7	0.0004	0.00040	mg/L	0.0035	0.00397	ppm	113.24%
l 308.215	449.2	0.0152	0.00532	mg/L	0.1515	0.05319	ppm	35.10%
s 188.979	2.4	0.0008	0.00133	mg/L	0.0080	0.01335	ppm	167.11%
a 233.527	3038.4	0.0080	0.00019	mg/L	0.0799	0.00193	ppm	2.42%
e 313.107	-268.0	-0.0001	0.00005	mg/L	-0.0012	0.00050	ppm	42.90%
a 227.547	531.3	2.673	0.0119	mg/L	26.73	0.119	ppm	0.44%
d 228.802	-56.2	-0.0005	0.00005	mg/L	-0.0050	0.00051	ppm	10.15%
o 228.616	-17.4	-0.0002	0.00019	mg/L	-0.0019	0.00186	ppm	97.36%
r 267.716	26.1	0.0003	0.00014	mg/L	0.0029	0.00138	ppm	47.82%
u 324.754	-271.4	-0.0011	0.00048	mg/L	-0.0109	0.00477	ppm	43.80%
e 273.955	278.5	0.0069	0.00185	mg/L	0.0694	0.01855	ppm	26.73%
766.491	177229.2	10.27	0.248	mg/L	102.7	2.48	ppm	2.42%
g 279.079	333123.8	8.267	0.1997	mg/L	82.67	1.997	ppm	2.42%
n 257.610	89273.2	0.0697	0.00154	mg/L	0.6968	0.01545	ppm	2.22%
o 202.030	294.2	0.0180	0.00040	mg/L	0.1797	0.00403	ppm	2.24%
a 330.237	163905.0	250.0	7.10	mg/L	2500	71.0	ppm	2.84%
i 231.604	6.7	0.0002	0.00066	mg/L	0.0015	0.00657	ppm	429.17%
o 220.353	4.0	0.0002	0.00061	mg/L	0.0025	0.00614	ppm	249.87%
o 206.833	1.9	0.0005	0.00297	mg/L	0.0050	0.02975	ppm	600.48%
e 196.026	6.3	0.0025	0.00356	mg/L	0.0247	0.03564	ppm	144.14%
l 190.800	12.7	0.0035	0.00164	mg/L	0.0348	0.01644	ppm	47.25%
292.402	55.8	0.0005	0.00035	mg/L	0.0050	0.00346	ppm	69.47%
n 213.856	32.8	0.0003	0.00005	mg/L	0.0033	0.00052	ppm	15.78%

eplicate Data ----------

D: CCV 1447B Date: 5/19/03 12:44:12 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	177434.6	175658.8	1.014	mg/L		
1	Al 308.215	160161.2	156576.5	5.282	mg/L		
1	As 188.979	1531.0	1401.1	0.4745	mg/L		
1	Ba 233.527	2005123.7	2006146.6	5.272	mg/L		
1	Be 313.107	1191011.0	1190754.2	0.5132	mg/L		
1	Ca 227.547	10948.3	10291.5	51.79	mg/L		
1	Cd 228.802	117108.9	117075.4	1.042	mg/L		
1	Co 228.616	191099.9	191654.1	2.104	mg/L		
1	Cr 267.716	46589.8	46514.6	0.5157	mg/L		
1	Cu 324.754	514325.2	510993.0	2.049	mg/L		
1	Fe 273.955	209779.3	209420.4	5.217	mg/L		
1	K 766.491	266337.1	264791.6	14.84	mg/L		
1	Mg 279.079	1066284.2	1062912.9	26.38	mg/L		
1	Mn 257.610	2678832.8	2677499.6	2.090	mg/L		
1	Mo 202.030	33538.4	33691.0	2.058	mg/L		
1	Na 330.237	72500.8	67851.9	102.4	mg/L		
1	Ni 231.604	91579.4	91989.7	2.098	mg/L		
1	Pb 220.353	8787.6	8382.1	0.5167	mg/L		
1	Sb 206.833	7849.1	7769.0	1.996	mg/L		
1	Se 196.026	1414.5	1299.7	0.5111	mg/L		

1	Tl 190.800	2157.5	1789.3	0.4914 mg/L
1	V 292.402	230232.8	230614.5	2.056 mg/L
1	Zn 213.856	205181.2	205618.4	2.061 mg/L
2	Ag 328.068	177948.7	176172.9	1.017 mg/L
2	Al 308.215	160505.5	156920.8	5.293 mg/L
2	As 188.979	1532.0	1402.1	0.4748 mg/L
2	Ba 233.527	2001579.3	2002602.2	5.263 mg/L
2	Be 313.107	1190240.5	1189983.7	0.5129 mg/L
2	Ca 227.547	10933.9	10277.0	51.72 mg/L
2	Cd 228.802	117039.8	117006.4	1.041 mg/L
2	Co 228.616	191255.3	191809.5	2.106 mg/L
2	Cr 267.716	46674.0	46598.7	0.5166 mg/L
2	Cu 324.754	514431.6	511099.4	2.049 mg/L
2	Fe 273.955	209707.0	209348.0	5.215 mg/L
2	K 766.491	267630.7	266085.3	14.91 mg/L
2	Mg 279.079	1066121.3	1062750.0	26.37 mg/L
2	Mn 257.610	2674971.4	2673638.2	2.087 mg/L
2	Mo 202.030	33766.2	33918.9	2.072 mg/L
2	Na 330.237	72097.0	67448.2	101.8 mg/L
2	Ni 231.604	91565.9	91976.2	2.097 mg/L
2	Pb 220.353	8730.3	8324.8	0.5131 mg/L
2	Sb 206.833	7853.5	7773.4	1.997 mg/L
2	Se 196.026	1421.6	1306.8	0.5139 mg/L
2	Tl 190.800	2167.5	1799.4	0.4942 mg/L
2	V 292.402	230435.6	230817.3	2.058 mg/L
2	Zn 213.856	205180.8	205618.1	2.061 mg/L
3	Ag 328.068	178649.0	176873.2	1.021 mg/L
3	Al 308.215	160716.6	157131.9	5.301 mg/L
3	As 188.979	1532.0	1402.0	0.4748 mg/L
3	Ba 233.527	2006192.0	2007214.9	5.275 mg/L
3	Be 313.107	1193647.0	1193390.2	0.5144 mg/L
3	Ca 227.547	10957.2	10300.4	51.83 mg/L
3	Cd 228.802	117378.7	117345.2	1.044 mg/L
3	Co 228.616	191407.7	191962.0	2.107 mg/L
3	Cr 267.716	46779.2	46704.0	0.5178 mg/L
3	Cu 324.754	517049.4	513717.2	2.060 mg/L
3	Fe 273.955	209915.3	209556.4	5.221 mg/L
3	K 766.491	276843.2	275297.8	15.37 mg/L
3	Mg 279.079	1068451.6	1065080.3	26.43 mg/L
3	Mn 257.610	2682010.7	2680677.5	2.092 mg/L
3	Mo 202.030	33736.1	33888.7	2.070 mg/L
3	Na 330.237	72038.8	67390.0	101.7 mg/L
3	Ni 231.604	92008.7	92419.0	2.107 mg/L
3	Pb 220.353	8773.7	8368.2	0.5158 mg/L
3	Sb 206.833	7887.4	7807.3	2.005 mg/L
3	Se 196.026	1432.7	1317.9	0.5182 mg/L
3	Tl 190.800	2166.0	1797.9	0.4938 mg/L
3	V 292.402	230854.3	231236.0	2.062 mg/L
3	Zn 213.856	206282.7	206720.0	2.072 mg/L

ean Data ----------

D: CCV 1447B Seq. No.: 34 Sample No.: 5 A/S Pos: 6
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:44:12 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	176235.0	1.017	0.0035	mg/L				0.35%
l 308.215	156876.4	5.292	0.0095	mg/L				0.18%
s 188.979	1401.7	0.4747	0.00020	mg/L				0.04%
a 233.527	2005321.3	5.270	0.0063	mg/L				0.12%
e 313.107	1191376.1	0.5135	0.00077	mg/L				0.15%
a 227.547	10289.6	51.78	0.059	mg/L				0.11%
d 228.802	117142.3	1.043	0.0016	mg/L				0.15%
o 228.616	191808.5	2.106	0.0017	mg/L				0.08%
r 267.716	46605.8	0.5167	0.00105	mg/L				0.20%
u 324.754	511936.5	2.052	0.0062	mg/L				0.30%
e 273.955	209441.6	5.218	0.0026	mg/L				0.05%
766.491	268724.9	15.04	0.290	mg/L				1.93%
g 279.079	1063581.1	26.40	0.032	mg/L				0.12%

n 257.610	2677271.8	2.090	0.0028	mg/L	0.13%
o 202.030	33832.9	2.066	0.0076	mg/L	0.37%
a 330.237	67563.4	102.0	0.38	mg/L	0.38%
i 231.604	92128.3	2.101	0.0057	mg/L	0.27%
b 220.353	8358.4	0.5152	0.00184	mg/L	0.36%
b 206.833	7783.2	1.999	0.0054	mg/L	0.27%
e 196.026	1308.2	0.5144	0.00360	mg/L	0.70%
l 190.800	1795.5	0.4931	0.00149	mg/L	0.30%
292.402	230889.2	2.059	0.0028	mg/L	0.14%
n 213.856	205985.5	2.065	0.0064	mg/L	0.31%

eplicate Data ----------
D: CCB Date: 5/19/03 12:47:42 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1895.3	119.5	0.0007	mg/L		
1	Al 308.215	3804.3	219.6	0.0074	mg/L		
1	As 188.979	125.5	-4.5	-0.0015	mg/L		
1	Ba 233.527	-713.9	309.0	0.0008	mg/L		
1	Be 313.107	799.4	542.6	0.0002	mg/L		
1	Ca 227.547	656.4	-0.5	-0.0024	mg/L		
1	Cd 228.802	-19.1	-52.6	-0.0005	mg/L		
1	Co 228.616	-515.6	38.6	0.0004	mg/L		
1	Cr 267.716	112.6	37.3	0.0004	mg/L		
1	Cu 324.754	2886.5	-445.8	-0.0018	mg/L		
1	Fe 273.955	597.4	238.5	0.0059	mg/L		
1	K 766.491	1704.8	159.4	0.0841	mg/L		
1	Mg 279.079	3976.0	604.7	0.0150	mg/L		
1	Mn 257.610	2674.2	1341.0	0.0010	mg/L		
1	Mo 202.030	-137.1	15.6	0.0010	mg/L		
1	Na 330.237	5027.7	378.8	0.4095	mg/L		
1	Ni 231.604	-387.6	22.7	0.0005	mg/L		
1	Pb 220.353	417.9	12.4	0.0008	mg/L		
1	Sb 206.833	97.8	17.6	0.0046	mg/L		
1	Se 196.026	113.4	-1.4	-0.0005	mg/L		
1	Tl 190.800	375.6	7.4	0.0020	mg/L		
1	V 292.402	-302.8	78.9	0.0007	mg/L		
1	Zn 213.856	-446.4	-9.1	-0.0001	mg/L		
2	Ag 328.068	1690.3	-85.5	-0.0005	mg/L		
2	Al 308.215	3757.1	172.4	0.0058	mg/L		
2	As 188.979	127.2	-2.8	-0.0009	mg/L		
2	Ba 233.527	-791.6	231.3	0.0006	mg/L		
2	Be 313.107	831.0	574.3	0.0002	mg/L		
2	Ca 227.547	659.6	2.7	0.0137	mg/L		
2	Cd 228.802	24.4	-9.1	-0.0001	mg/L		
2	Co 228.616	-518.8	35.5	0.0004	mg/L		
2	Cr 267.716	109.3	34.1	0.0004	mg/L		
2	Cu 324.754	2910.1	-422.2	-0.0017	mg/L		
2	Fe 273.955	602.2	243.3	0.0061	mg/L		
2	K 766.491	1462.3	-83.1	0.0691	mg/L		
2	Mg 279.079	3678.2	306.9	0.0076	mg/L		
2	Mn 257.610	2356.6	1023.4	0.0008	mg/L		
2	Mo 202.030	-146.9	5.8	0.0004	mg/L		
2	Na 330.237	4877.0	228.2	0.1831	mg/L		
2	Ni 231.604	-421.0	-10.7	-0.0002	mg/L		
2	Pb 220.353	392.8	-12.7	-0.0008	mg/L		
2	Sb 206.833	96.3	16.2	0.0042	mg/L		
2	Se 196.026	137.8	23.0	0.0090	mg/L		
2	Tl 190.800	379.2	11.0	0.0030	mg/L		
2	V 292.402	-463.3	-81.6	-0.0007	mg/L		
2	Zn 213.856	-458.1	-20.9	-0.0002	mg/L		
3	Ag 328.068	1747.5	-28.3	-0.0002	mg/L		
3	Al 308.215	3762.3	177.7	0.0060	mg/L		
3	As 188.979	129.5	-0.4	-0.0001	mg/L		
3	Ba 233.527	-974.6	48.3	0.0001	mg/L		
3	Be 313.107	605.5	348.7	0.0002	mg/L		
3	Ca 227.547	648.2	-8.6	-0.0435	mg/L		
3	Cd 228.802	-22.6	-56.0	-0.0005	mg/L		

3 Co 228.616	-537.9	16.4	0.0002	mg/L
3 Cr 267.716	125.1	49.8	0.0006	mg/L
3 Cu 324.754	2837.4	-494.8	-0.0020	mg/L
3 Fe 273.955	633.8	274.8	0.0068	mg/L
3 K 766.491	1784.8	239.3	0.0890	mg/L
3 Mg 279.079	3656.3	285.0	0.0071	mg/L
3 Mn 257.610	2007.1	673.9	0.0005	mg/L
3 Mo 202.030	-153.0	-0.3	0.0000	mg/L
3 Na 330.237	4782.4	133.6	0.0410	mg/L
3 Ni 231.604	-425.4	-15.1	-0.0003	mg/L
3 Pb 220.353	402.4	-3.2	-0.0002	mg/L
3 Sb 206.833	91.0	10.9	0.0028	mg/L
3 Se 196.026	108.0	-6.8	-0.0027	mg/L
3 Tl 190.800	388.7	20.5	0.0056	mg/L
3 V 292.402	-445.9	-64.2	-0.0006	mg/L
3 Zn 213.856	-463.5	-26.3	-0.0003	mg/L

ean Data ----------

D: CCB Seq. No.: 35 Sample No.: 6 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:47:42 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	1.9	0.0000	0.00061	mg/L				>999.9%
l 308.215	189.9	0.0064	0.00087	mg/L				13.62%
s 188.979	-2.6	-0.0009	0.00069	mg/L				79.98%
a 233.527	196.2	0.0005	0.00035	mg/L				68.24%
e 313.107	488.5	0.0002	0.00005	mg/L				25.00%
a 227.547	-2.1	-0.0107	0.02948	mg/L				274.35%
d 228.802	-39.2	-0.0003	0.00023	mg/L				66.73%
o 228.616	30.2	0.0003	0.00013	mg/L				39.93%
r 267.716	40.4	0.0004	0.00009	mg/L				20.62%
u 324.754	-454.2	-0.0018	0.00015	mg/L				8.15%
e 273.955	252.2	0.0063	0.00049	mg/L				7.83%
766.491	105.2	0.0807	0.01038	mg/L				12.87%
g 279.079	398.8	0.0099	0.00443	mg/L				44.78%
n 257.610	1012.8	0.0008	0.00026	mg/L				32.95%
o 202.030	7.0	0.0004	0.00049	mg/L				114.40%
a 330.237	246.9	0.2112	0.18585	mg/L				88.01%
i 231.604	-1.0	0.0000	0.00047	mg/L				>999.9%
b 220.353	-1.2	-0.0001	0.00078	mg/L				>999.9%
b 206.833	14.9	0.0039	0.00092	mg/L				23.94%
e 196.026	4.9	0.0019	0.00624	mg/L				321.01%
l 190.800	13.0	0.0036	0.00185	mg/L				51.94%
292.402	-22.3	-0.0002	0.00079	mg/L				395.34%
n 213.856	-18.8	-0.0002	0.00009	mg/L				46.76%

eplicate Data ----------

D: 3261-7 F=1 Date: 5/19/03 12:51:10 PM

epl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	1792.6	16.8	0.0001	mg/L	0.0001	ppm
1 Al 308.215	7768.4	4183.7	0.1411	mg/L	0.1411	ppm
1 As 188.979	189.4	59.5	0.0199	mg/L	0.0199	ppm
1 Ba 233.527	57039.0	58061.9	0.1526	mg/L	0.1526	ppm
1 Be 313.107	398.8	142.0	0.0001	mg/L	0.0001	ppm
1 Ca 227.547	6063.9	5407.1	27.21	mg/L	27.21	ppm
1 Cd 228.802	20.1	-13.4	-0.0001	mg/L	-0.0001	ppm
1 Co 228.616	-297.3	257.0	0.0028	mg/L	0.0028	ppm
1 Cr 267.716	338.3	263.0	0.0029	mg/L	0.0029	ppm
1 Cu 324.754	6920.4	3588.2	0.0144	mg/L	0.0144	ppm
1 Fe 273.955	6914.2	6555.3	0.1633	mg/L	0.1633	ppm
1 K 766.491	Saturated					
1 Mg 279.079	3556928.4	3553557.1	88.19	mg/L	88.19	ppm
1 Mn 257.610	261922.6	260589.4	0.2034	mg/L	0.2034	ppm
1 Mo 202.030	927.0	1079.6	0.0659	mg/L	0.0659	ppm
1 Na 330.237	1293368.5	1288719.7	2253	mg/L	2253	ppm
1 Ni 231.604	298.4	708.7	0.0162	mg/L	0.0162	ppm
1 Pb 220.353	438.5	33.0	0.0020	mg/L	0.0020	ppm

1 Sb 206.833	103.4	23.2	0.0060	mg/L	0.0060 ppm
1 Se 196.026	113.8	-1.0	-0.0004	mg/L	-0.0004 ppm
1 Tl 190.800	395.2	27.1	0.0054	mg/L	0.0054 ppm
1 V 292.402	1029.1	1410.8	0.0126	mg/L	0.0126 ppm
1 Zn 213.856	888.9	1326.1	0.0133	mg/L	0.0133 ppm
2 Ag 328.068	1750.0	-25.8	-0.0001	mg/L	-0.0001 ppm
2 Al 308.215	7708.4	4123.7	0.1391	mg/L	0.1391 ppm
2 As 188.979	184.8	54.8	0.0183	mg/L	0.0183 ppm
2 Ba 233.527	56356.7	57379.6	0.1508	mg/L	0.1508 ppm
2 Be 313.107	327.1	70.3	0.0000	mg/L	0.0000 ppm
2 Ca 227.547	6058.8	5402.0	27.18	mg/L	27.18 ppm
2 Cd 228.802	8.8	-24.7	-0.0002	mg/L	-0.0002 ppm
2 Co 228.616	-313.3	241.0	0.0026	mg/L	0.0026 ppm
2 Cr 267.716	335.2	259.9	0.0029	mg/L	0.0029 ppm
2 Cu 324.754	6960.7	3628.4	0.0145	mg/L	0.0145 ppm
2 Fe 273.955	6589.7	6230.8	0.1552	mg/L	0.1552 ppm
2 K 766.491	Saturated				
2 Mg 279.079	3370918.6	3367547.3	83.57	mg/L	83.57 ppm
2 Mn 257.610	259566.3	258233.1	0.2016	mg/L	0.2016 ppm
2 Mo 202.030	914.0	1066.7	0.0651	mg/L	0.0651 ppm
2 Na 330.237	1221178.2	1216529.4	2104	mg/L	2104 ppm
2 Ni 231.604	267.3	677.6	0.0155	mg/L	0.0155 ppm
2 Pb 220.353	430.8	25.3	0.0016	mg/L	0.0016 ppm
2 Sb 206.833	67.1	-13.1	-0.0034	mg/L	-0.0034 ppm
2 Se 196.026	148.5	33.7	0.0132	mg/L	0.0132 ppm
2 Tl 190.800	388.5	20.4	0.0037	mg/L	0.0037 ppm
2 V 292.402	1001.1	1382.8	0.0123	mg/L	0.0123 ppm
2 Zn 213.856	865.6	1302.9	0.0131	mg/L	0.0131 ppm
3 Ag 328.068	1702.0	-73.8	-0.0004	mg/L	-0.0004 ppm
3 Al 308.215	7529.5	3944.8	0.1331	mg/L	0.1331 ppm
3 As 188.979	182.0	52.1	0.0174	mg/L	0.0174 ppm
3 Ba 233.527	55426.2	56449.1	0.1484	mg/L	0.1484 ppm
3 Be 313.107	311.7	54.9	0.0000	mg/L	0.0000 ppm
3 Ca 227.547	6078.2	5421.4	27.28	mg/L	27.28 ppm
3 Cd 228.802	16.5	-16.9	-0.0002	mg/L	-0.0002 ppm
3 Co 228.616	-325.9	228.3	0.0025	mg/L	0.0025 ppm
3 Cr 267.716	268.0	192.7	0.0021	mg/L	0.0021 ppm
3 Cu 324.754	6890.4	3558.2	0.0143	mg/L	0.0143 ppm
3 Fe 273.955	6365.5	6006.6	0.1496	mg/L	0.1496 ppm
3 K 766.491	Saturated				
3 Mg 279.079	3604989.9	3601618.6	89.38	mg/L	89.38 ppm
3 Mn 257.610	255850.9	254517.8	0.1987	mg/L	0.1987 ppm
3 Mo 202.030	932.1	1084.7	0.0662	mg/L	0.0662 ppm
3 Na 330.237	1300763.3	1296114.4	2268	mg/L	2268 ppm
3 Ni 231.604	283.1	693.4	0.0158	mg/L	0.0158 ppm
3 Pb 220.353	438.9	33.4	0.0021	mg/L	0.0021 ppm
3 Sb 206.833	94.4	14.3	0.0037	mg/L	0.0037 ppm
3 Se 196.026	135.0	20.2	0.0080	mg/L	0.0080 ppm
3 Tl 190.800	386.1	18.0	0.0029	mg/L	0.0029 ppm
3 V 292.402	973.5	1355.2	0.0121	mg/L	0.0121 ppm
3 Zn 213.856	891.9	1329.1	0.0133	mg/L	0.0133 ppm

ean Data ----------

D: 3261-7 F=1 Seq. No.: 36 Sample No.: 21 A/S Pos: 30
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:51:10 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-27.6	-0.0002	0.00026	mg/L	-0.0002	0.00026	ppm	164.25%
l 308.215	4084.1	0.1378	0.00419	mg/L	0.1378	0.00419	ppm	3.04%
s 188.979	55.5	0.0186	0.00126	mg/L	0.0186	0.00126	ppm	6.77%
a 233.527	57296.9	0.1506	0.00213	mg/L	0.1506	0.00213	ppm	1.41%
e 313.107	89.1	0.0000	0.00002	mg/L	0.0000	0.00002	ppm	52.17%
a 227.547	5410.2	27.23	0.051	mg/L	27.23	0.051	ppm	0.19%
d 228.802	-18.3	-0.0002	0.00005	mg/L	-0.0002	0.00005	ppm	31.58%
o 228.616	242.1	0.0027	0.00016	mg/L	0.0027	0.00016	ppm	5.94%
r 267.716	238.5	0.0026	0.00044	mg/L	0.0026	0.00044	ppm	16.65%
u 324.754	3591.6	0.0144	0.00014	mg/L	0.0144	0.00014	ppm	0.98%
e 273.955	6264.2	0.1561	0.00687	mg/L	0.1561	0.00687	ppm	4.40%

766.491	Saturated						
g 279.079	3507574.3	87.05	3.068 mg/L	87.05	3.068 ppm	3.52%
n 257.610	257780.1	0.2012	0.00239 mg/L	0.2012	0.00239 ppm	1.19%
o 202.030	1077.0	0.0658	0.00057 mg/L	0.0658	0.00057 ppm	0.86%
a 330.237	1267121.2	2208	90.8 mg/L	2208	90.8 ppm	4.11%
i 231.604	693.2	0.0158	0.00035 mg/L	0.0158	0.00035 ppm	2.24%
b 220.353	30.6	0.0019	0.00028 mg/L	0.0019	0.00028 ppm	14.97%
b 206.833	8.1	0.0021	0.00490 mg/L	0.0021	0.00490 ppm	232.13%
e 196.026	17.6	0.0069	0.00689 mg/L	0.0069	0.00689 ppm	99.37%
l 190.800	21.8	0.0040	0.00129 mg/L	0.0040	0.00129 ppm	32.25%
292.402	1382.9	0.0123	0.00025 mg/L	0.0123	0.00025 ppm	2.01%
n 213.856	1319.3	0.0132	0.00014 mg/L	0.0132	0.00014 ppm	1.09%

eplicate Data ----------
D: 3261-7 F=10 Date: 5/19/03 12:54:46 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1490.0	-285.8	-0.0016	mg/L	-0.0165	ppm
1	Al 308.215	4284.6	699.9	0.0236	mg/L	0.2361	ppm
1	As 188.979	136.7	6.8	0.0023	mg/L	0.0226	ppm
1	Ba 233.527	5317.5	6340.4	0.0167	mg/L	0.1666	ppm
1	Be 313.107	122.8	-133.9	-0.0001	mg/L	-0.0006	ppm
1	Ca 227.547	1253.3	596.5	3.002	mg/L	30.02	ppm
1	Cd 228.802	-4.5	-38.0	-0.0003	mg/L	-0.0034	ppm
1	Co 228.616	-566.0	-11.7	-0.0001	mg/L	-0.0013	ppm
1	Cr 267.716	115.3	40.0	0.0004	mg/L	0.0044	ppm
1	Cu 324.754	3032.7	-299.6	-0.0012	mg/L	-0.0120	ppm
1	Fe 273.955	2536.1	2177.2	0.0542	mg/L	0.5424	ppm
1	K 766.491	133884.6	132339.2	7.817	mg/L	78.17	ppm
1	Mg 279.079	398719.6	395348.3	9.811	mg/L	98.11	ppm
1	Mn 257.610	31260.2	29927.0	0.0234	mg/L	0.2336	ppm
1	Mo 202.030	-52.5	100.2	0.0061	mg/L	0.0612	ppm
1	Na 330.237	129141.2	124492.3	189.1	mg/L	1891	ppm
1	Ni 231.604	1347.3	1757.6	0.0401	mg/L	0.4008	ppm
1	Pb 220.353	413.2	7.7	0.0005	mg/L	0.0047	ppm
1	Sb 206.833	87.8	7.7	0.0020	mg/L	0.0199	ppm
1	Se 196.026	117.1	2.3	0.0009	mg/L	0.0090	ppm
1	Tl 190.800	389.0	20.9	0.0057	mg/L	0.0573	ppm
1	V 292.402	-210.0	171.7	0.0015	mg/L	0.0153	ppm
1	Zn 213.856	-405.0	32.2	0.0003	mg/L	0.0032	ppm
2	Ag 328.068	1610.7	-165.1	-0.0010	mg/L	-0.0095	ppm
2	Al 308.215	4234.5	649.8	0.0219	mg/L	0.2192	ppm
2	As 188.979	127.3	-2.6	-0.0009	mg/L	-0.0087	ppm
2	Ba 233.527	5399.4	6422.3	0.0169	mg/L	0.1688	ppm
2	Be 313.107	146.6	-110.2	0.0000	mg/L	-0.0005	ppm
2	Ca 227.547	1271.2	614.3	3.091	mg/L	30.91	ppm
2	Cd 228.802	-29.2	-62.7	-0.0006	mg/L	-0.0056	ppm
2	Co 228.616	-553.5	0.8	0.0000	mg/L	0.0001	ppm
2	Cr 267.716	121.3	46.0	0.0005	mg/L	0.0051	ppm
2	Cu 324.754	3241.8	-90.5	-0.0004	mg/L	-0.0036	ppm
2	Fe 273.955	2309.8	1950.9	0.0486	mg/L	0.4860	ppm
2	K 766.491	125949.3	124403.8	7.375	mg/L	73.75	ppm
2	Mg 279.079	403908.5	400537.2	9.940	mg/L	99.40	ppm
2	Mn 257.610	31673.4	30340.3	0.0237	mg/L	0.2368	ppm
2	Mo 202.030	-46.7	105.9	0.0065	mg/L	0.0647	ppm
2	Na 330.237	130854.8	126205.9	191.8	mg/L	1918	ppm
2	Ni 231.604	1127.5	1537.8	0.0351	mg/L	0.3507	ppm
2	Pb 220.353	398.4	-7.2	-0.0004	mg/L	-0.0044	ppm
2	Sb 206.833	99.3	19.1	0.0049	mg/L	0.0495	ppm
2	Se 196.026	121.2	6.4	0.0025	mg/L	0.0253	ppm
2	Tl 190.800	389.8	21.7	0.0060	mg/L	0.0596	ppm
2	V 292.402	-301.3	80.4	0.0007	mg/L	0.0072	ppm
2	Zn 213.856	-381.1	56.2	0.0006	mg/L	0.0056	ppm
3	Ag 328.068	1712.4	-63.4	-0.0004	mg/L	-0.0037	ppm
3	Al 308.215	4383.0	798.3	0.0269	mg/L	0.2693	ppm
3	As 188.979	136.0	6.0	0.0020	mg/L	0.0201	ppm
3	Ba 233.527	5339.8	6362.7	0.0167	mg/L	0.1672	ppm
3	Be 313.107	111.3	-145.5	-0.0001	mg/L	-0.0006	ppm

3	Ca 227.547	1281.3	624.5	3.143	mg/L	31.43 ppm
3	Cd 228.802	-5.0	-38.5	-0.0003	mg/L	-0.0034 ppm
3	Co 228.616	-540.1	14.2	0.0002	mg/L	0.0016 ppm
3	Cr 267.716	123.5	48.2	0.0005	mg/L	0.0053 ppm
3	Cu 324.754	3074.7	-257.5	-0.0010	mg/L	-0.0103 ppm
3	Fe 273.955	1686.3	1327.4	0.0331	mg/L	0.3307 ppm
3	K 766.491	132860.1	131314.7	7.760	mg/L	77.60 ppm
3	Mg 279.079	402669.2	399297.9	9.909	mg/L	99.09 ppm
3	Mn 257.610	31336.6	30003.4	0.0234	mg/L	0.2342 ppm
3	Mo 202.030	-50.1	102.6	0.0063	mg/L	0.0627 ppm
3	Na 330.237	129245.7	124596.9	189.3	mg/L	1893 ppm
3	Ni 231.604	532.9	943.2	0.0215	mg/L	0.2151 ppm
3	Pb 220.353	425.5	20.0	0.0012	mg/L	0.0123 ppm
3	Sb 206.833	89.7	9.5	0.0025	mg/L	0.0246 ppm
3	Se 196.026	126.7	11.9	0.0047	mg/L	0.0469 ppm
3	Tl 190.800	389.5	21.3	0.0059	mg/L	0.0586 ppm
3	V 292.402	-375.3	6.4	0.0001	mg/L	0.0006 ppm
3	Zn 213.856	-420.8	16.4	0.0002	mg/L	0.0016 ppm

ean Data ----------

D: 3261-7 F=10 Seq. No.: 37 Sample No.: 22 A/S Pos: 31
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 12:54:46 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-171.4	-0.0010	0.00064	mg/L	-0.0099	0.00642	ppm	64.93%
l 308.215	716.0	0.0242	0.00255	mg/L	0.2415	0.02549	ppm	10.55%
s 188.979	3.4	0.0011	0.00174	mg/L	0.0113	0.01744	ppm	153.73%
a 233.527	6375.1	0.0168	0.00011	mg/L	0.1675	0.00111	ppm	0.66%
e 313.107	-129.9	-0.0001	0.00001	mg/L	-0.0006	0.00008	ppm	13.88%
a 227.547	611.8	3.078	0.0714	mg/L	30.78	0.714	ppm	2.32%
d 228.802	-46.4	-0.0004	0.00013	mg/L	-0.0041	0.00126	ppm	30.49%
o 228.616	1.1	0.0000	0.00014	mg/L	0.0001	0.00142	ppm	>999.9%
r 267.716	44.8	0.0005	0.00005	mg/L	0.0050	0.00047	ppm	9.51%
u 324.754	-215.8	-0.0009	0.00044	mg/L	-0.0087	0.00443	ppm	51.24%
e 273.955	1818.5	0.0453	0.01096	mg/L	0.4530	0.10963	ppm	24.20%
766.491	129352.5	7.651	0.2403	mg/L	76.51	2.403	ppm	3.14%
g 279.079	398394.5	9.887	0.0673	mg/L	98.87	0.673	ppm	0.68%
n 257.610	30090.2	0.0235	0.00017	mg/L	0.2349	0.00172	ppm	0.73%
o 202.030	102.9	0.0063	0.00018	mg/L	0.0629	0.00176	ppm	2.80%
a 330.237	125098.4	190.1	1.48	mg/L	1901	14.8	ppm	0.78%
i 231.604	1412.9	0.0322	0.00961	mg/L	0.3222	0.09607	ppm	29.82%
o 220.353	6.8	0.0004	0.00084	mg/L	0.0042	0.00838	ppm	198.61%
o 206.833	12.1	0.0031	0.00159	mg/L	0.0313	0.01588	ppm	50.71%
e 196.026	6.9	0.0027	0.00190	mg/L	0.0271	0.01897	ppm	70.07%
l 190.800	21.3	0.0059	0.00011	mg/L	0.0585	0.00114	ppm	1.94%
292.402	86.2	0.0008	0.00074	mg/L	0.0077	0.00738	ppm	96.07%
n 213.856	34.9	0.0004	0.00020	mg/L	0.0035	0.00200	ppm	57.21%

eplicate Data ----------

D: 3261-8 F=1 Date: 5/19/03 12:58:19 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1652.6	-123.2	-0.0007	mg/L	-0.0007	ppm
1	Al 308.215	14569.4	10984.7	0.3706	mg/L	0.3706	ppm
1	As 188.979	132.7	2.7	0.0023	mg/L	0.0023	ppm
1	Ba 233.527	72468.3	73491.2	0.1931	mg/L	0.1931	ppm
1	Be 313.107	149.8	-106.9	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	9190.3	8533.5	42.94	mg/L	42.94	ppm
1	Cd 228.802	1.4	-32.0	-0.0003	mg/L	-0.0003	ppm
1	Co 228.616	-535.2	19.1	0.0002	mg/L	0.0002	ppm
1	Cr 267.716	567.2	491.9	0.0055	mg/L	0.0055	ppm
1	Cu 324.754	4913.8	1581.6	0.0063	mg/L	0.0063	ppm
1	Fe 273.955	30315.2	29956.2	0.7463	mg/L	0.7463	ppm
1	K 766.491	Saturated					
1	Mg 279.079	3205386.4	3202015.1	79.46	mg/L	79.46	ppm
1	Mn 257.610	517351.1	516017.9	0.4028	mg/L	0.4028	ppm
1	Mo 202.030	65.8	218.5	0.0133	mg/L	0.0133	ppm
1	Na 330.237	1083360.1	1078711.3	1829	mg/L	1829	ppm

1 Ni 231.604	-266.0	144.3	0.0033 mg/L	0.0033 ppm
1 Pb 220.353	482.7	77.1	0.0048 mg/L	0.0048 ppm
1 Sb 206.833	97.0	16.9	0.0044 mg/L	0.0044 ppm
1 Se 196.026	119.1	4.3	0.0017 mg/L	0.0017 ppm
1 Tl 190.800	390.1	22.0	0.0042 mg/L	0.0042 ppm
1 V 292.402	944.6	1326.3	0.0118 mg/L	0.0118 ppm
1 Zn 213.856	2377.0	2814.2	0.0282 mg/L	0.0282 ppm
2 Ag 328.068	1815.2	39.4	0.0002 mg/L	0.0002 ppm
2 Al 308.215	13637.9	10053.2	0.3391 mg/L	0.3391 ppm
2 As 188.979	126.6	-3.3	0.0001 mg/L	0.0001 ppm
2 Ba 233.527	67150.6	68173.5	0.1792 mg/L	0.1792 ppm
2 Be 313.107	31.5	-225.3	-0.0001 mg/L	-0.0001 ppm
2 Ca 227.547	8520.8	7864.0	39.57 mg/L	39.57 ppm
2 Cd 228.802	21.0	-12.4	-0.0001 mg/L	-0.0001 ppm
2 Co 228.616	-544.8	9.4	0.0001 mg/L	0.0001 ppm
2 Cr 267.716	530.2	454.9	0.0050 mg/L	0.0050 ppm
2 Cu 324.754	4978.9	1646.6	0.0066 mg/L	0.0066 ppm
2 Fe 273.955	28183.7	27824.8	0.6932 mg/L	0.6932 ppm
2 K 766.491	Saturated			
2 Mg 279.079	3188100.7	3184729.4	79.04 mg/L	79.04 ppm
2 Mn 257.610	515848.2	514515.0	0.4016 mg/L	0.4016 ppm
2 Mo 202.030	54.3	207.0	0.0126 mg/L	0.0126 ppm
2 Na 330.237	1070398.4	1065749.6	1804 mg/L	1804 ppm
2 Ni 231.604	-301.7	108.6	0.0025 mg/L	0.0025 ppm
2 Pb 220.353	483.2	77.7	0.0048 mg/L	0.0048 ppm
2 Sb 206.833	111.9	31.7	0.0082 mg/L	0.0082 ppm
2 Se 196.026	126.9	12.1	0.0048 mg/L	0.0048 ppm
2 Tl 190.800	393.7	25.5	0.0052 mg/L	0.0052 ppm
2 V 292.402	889.1	1270.8	0.0113 mg/L	0.0113 ppm
2 Zn 213.856	2364.4	2801.6	0.0281 mg/L	0.0281 ppm
3 Ag 328.068	1596.6	-179.2	-0.0010 mg/L	-0.0010 ppm
3 Al 308.215	14061.9	10477.3	0.3534 mg/L	0.3534 ppm
3 As 188.979	124.9	-5.0	-0.0004 mg/L	-0.0004 ppm
3 Ba 233.527	70592.5	71615.4	0.1882 mg/L	0.1882 ppm
3 Be 313.107	-14.2	-270.9	-0.0001 mg/L	-0.0001 ppm
3 Ca 227.547	8735.1	8078.3	40.65 mg/L	40.65 ppm
3 Cd 228.802	-7.3	-40.8	-0.0004 mg/L	-0.0004 ppm
3 Co 228.616	-525.0	29.3	0.0003 mg/L	0.0003 ppm
3 Cr 267.716	541.8	466.5	0.0052 mg/L	0.0052 ppm
3 Cu 324.754	5176.2	1844.0	0.0074 mg/L	0.0074 ppm
3 Fe 273.955	29440.9	29082.0	0.7245 mg/L	0.7245 ppm
3 K 766.491	Saturated			
3 Mg 279.079	3263218.6	3259847.3	80.90 mg/L	80.90 ppm
3 Mn 257.610	527839.4	526506.2	0.4109 mg/L	0.4109 ppm
3 Mo 202.030	65.3	218.0	0.0133 mg/L	0.0133 ppm
3 Na 330.237	1094992.2	1090343.4	1852 mg/L	1852 ppm
3 Ni 231.604	-315.5	94.7	0.0022 mg/L	0.0022 ppm
3 Pb 220.353	480.1	74.6	0.0046 mg/L	0.0046 ppm
3 Sb 206.833	99.2	19.1	0.0049 mg/L	0.0049 ppm
3 Se 196.026	135.2	20.4	0.0080 mg/L	0.0080 ppm
3 Tl 190.800	397.8	29.7	0.0063 mg/L	0.0063 ppm
3 V 292.402	922.1	1303.8	0.0116 mg/L	0.0116 ppm
3 Zn 213.856	2353.8	2791.0	0.0280 mg/L	0.0280 ppm

ean Data ----------

D: 3261-8 F=1 Seq. No.: 38 Sample No.: 23 A/S Pos: 32
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 12:58:19 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-87.7	-0.0005	0.00066	mg/L	-0.0005	0.00066	ppm	129.50%
l 308.215	10505.1	0.3544	0.01573	mg/L	0.3544	0.01573	ppm	4.44%
s 188.979	-1.9	0.0007	0.00141	mg/L	0.0007	0.00141	ppm	213.04%
a 233.527	71093.4	0.1868	0.00709	mg/L	0.1868	0.00709	ppm	3.79%
e 313.107	-201.1	-0.0001	0.00004	mg/L	-0.0001	0.00004	ppm	42.10%
a 227.547	8158.6	41.06	1.721	mg/L	41.06	1.721	ppm	4.19%
d 228.802	-28.4	-0.0003	0.00013	mg/L	-0.0003	0.00013	ppm	51.07%
o 228.616	19.2	0.0002	0.00011	mg/L	0.0002	0.00011	ppm	51.64%
r 267.716	471.1	0.0052	0.00021	mg/L	0.0052	0.00021	ppm	4.02%

u 324.754	1690.7	0.0068	0.00055 mg/L	0.0068	0.00055 ppm	8.08%
e 273.955	28954.3	0.7213	0.02669 mg/L	0.7213	0.02669 ppm	3.70%
766.491	Saturated					
g 279.079	3215530.6	79.80	0.976 mg/L	79.80	0.976 ppm	1.22%
n 257.610	519013.0	0.4051	0.00510 mg/L	0.4051	0.00510 ppm	1.26%
o 202.030	214.5	0.0131	0.00040 mg/L	0.0131	0.00040 ppm	3.02%
a 330.237	1078268.1	1829	24.0 mg/L	1829	24.0 ppm	1.31%
i 231.604	115.9	0.0026	0.00058 mg/L	0.0026	0.00058 ppm	22.07%
b 220.353	76.5	0.0047	0.00010 mg/L	0.0047	0.00010 ppm	2.14%
b 206.833	22.6	0.0058	0.00207 mg/L	0.0058	0.00207 ppm	35.48%
e 196.026	12.3	0.0048	0.00315 mg/L	0.0048	0.00315 ppm	65.23%
l 190.800	25.7	0.0052	0.00104 mg/L	0.0052	0.00104 ppm	19.86%
292.402	1300.3	0.0116	0.00025 mg/L	0.0116	0.00025 ppm	2.15%
n 213.856	2802.3	0.0281	0.00012 mg/L	0.0281	0.00012 ppm	0.41%

eplicate Data ----------

D: 3261-8 F=10 Date: 5/19/03 1:01:48 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1927.1	151.3	0.0009	mg/L	0.0087	ppm
1	Al 308.215	5454.7	1870.1	0.0631	mg/L	0.6308	ppm
1	As 188.979	131.5	1.5	0.0005	mg/L	0.0051	ppm
1	Ba 233.527	7110.3	8133.2	0.0214	mg/L	0.2138	ppm
1	Be 313.107	131.1	-125.6	-0.0001	mg/L	-0.0005	ppm
1	Ca 227.547	1603.3	946.4	4.763	mg/L	47.63	ppm
1	Cd 228.802	-23.1	-56.6	-0.0005	mg/L	-0.0050	ppm
1	Co 228.616	-581.3	-27.0	-0.0003	mg/L	-0.0030	ppm
1	Cr 267.716	156.9	81.6	0.0009	mg/L	0.0090	ppm
1	Cu 324.754	2423.7	-908.5	-0.0036	mg/L	-0.0364	ppm
1	Fe 273.955	3618.5	3259.5	0.0812	mg/L	0.8120	ppm
1	K 766.491	124918.0	123372.5	7.317	mg/L	73.17	ppm
1	Mg 279.079	386108.9	382737.5	9.498	mg/L	94.98	ppm
1	Mn 257.610	62936.7	61603.5	0.0481	mg/L	0.4808	ppm
1	Mo 202.030	-144.0	8.6	0.0005	mg/L	0.0053	ppm
1	Na 330.237	114414.2	109765.4	166.5	mg/L	1665	ppm
1	Ni 231.604	-446.0	-35.7	-0.0008	mg/L	-0.0081	ppm
1	Pb 220.353	442.2	36.7	0.0023	mg/L	0.0226	ppm
1	Sb 206.833	115.6	35.4	0.0092	mg/L	0.0917	ppm
1	Se 196.026	121.7	6.9	0.0027	mg/L	0.0271	ppm
1	Tl 190.800	382.3	14.2	0.0039	mg/L	0.0390	ppm
1	V 292.402	-198.7	183.0	0.0016	mg/L	0.0163	ppm
1	Zn 213.856	-180.9	256.4	0.0026	mg/L	0.0257	ppm
2	Ag 328.068	1702.5	-73.3	-0.0004	mg/L	-0.0042	ppm
2	Al 308.215	5653.1	2068.5	0.0698	mg/L	0.6978	ppm
2	As 188.979	125.8	-4.2	-0.0014	mg/L	-0.0139	ppm
2	Ba 233.527	7023.2	8046.1	0.0211	mg/L	0.2115	ppm
2	Be 313.107	297.8	41.0	0.0000	mg/L	0.0002	ppm
2	Ca 227.547	1624.8	968.0	4.871	mg/L	48.71	ppm
2	Cd 228.802	-10.2	-43.7	-0.0004	mg/L	-0.0039	ppm
2	Co 228.616	-611.5	-57.3	-0.0006	mg/L	-0.0063	ppm
2	Cr 267.716	184.1	108.9	0.0012	mg/L	0.0121	ppm
2	Cu 324.754	2610.0	-722.2	-0.0029	mg/L	-0.0290	ppm
2	Fe 273.955	3649.8	3290.9	0.0820	mg/L	0.8198	ppm
2	K 766.491	136898.2	135352.8	7.984	mg/L	79.84	ppm
2	Mg 279.079	382280.3	378909.0	9.403	mg/L	94.03	ppm
2	Mn 257.610	61846.2	60513.0	0.0472	mg/L	0.4723	ppm
2	Mo 202.030	-150.8	1.9	0.0001	mg/L	0.0011	ppm
2	Na 330.237	111852.5	107203.6	162.6	mg/L	1626	ppm
2	Ni 231.604	-442.7	-32.4	-0.0007	mg/L	-0.0074	ppm
2	Pb 220.353	411.5	6.0	0.0004	mg/L	0.0037	ppm
2	Sb 206.833	119.5	39.4	0.0102	mg/L	0.1019	ppm
2	Se 196.026	124.1	9.3	0.0037	mg/L	0.0366	ppm
2	Tl 190.800	380.8	12.7	0.0035	mg/L	0.0348	ppm
2	V 292.402	-168.1	213.6	0.0019	mg/L	0.0190	ppm
2	Zn 213.856	-163.2	274.0	0.0027	mg/L	0.0275	ppm
3	Ag 328.068	1751.1	-24.7	-0.0001	mg/L	-0.0014	ppm
3	Al 308.215	5487.1	1902.4	0.0642	mg/L	0.6418	ppm
3	As 188.979	128.3	-1.7	-0.0006	mg/L	-0.0055	ppm

3	Ba 233.527	7254.2	8277.1	0.0218	mg/L	0.2175 ppm
3	Be 313.107	-118.3	-375.0	-0.0002	mg/L	-0.0016 ppm
3	Ca 227.547	1615.1	958.3	4.822	mg/L	48.22 ppm
3	Cd 228.802	-19.4	-52.8	-0.0005	mg/L	-0.0047 ppm
3	Co 228.616	-596.1	-41.9	-0.0005	mg/L	-0.0046 ppm
3	Cr 267.716	174.7	99.4	0.0011	mg/L	0.0110 ppm
3	Cu 324.754	2553.9	-778.3	-0.0031	mg/L	-0.0312 ppm
3	Fe 273.955	3571.7	3212.8	0.0800	mg/L	0.8004 ppm
3	K 766.491	140018.2	138472.7	8.157	mg/L	81.57 ppm
3	Mg 279.079	387164.4	383793.1	9.525	mg/L	95.25 ppm
3	Mn 257.610	63136.6	61803.4	0.0482	mg/L	0.4824 ppm
3	Mo 202.030	-153.3	-0.6	0.0000	mg/L	-0.0004 ppm
3	Na 330.237	114552.9	109904.0	166.7	mg/L	1667 ppm
3	Ni 231.604	-445.3	-35.0	-0.0008	mg/L	-0.0080 ppm
3	Pb 220.353	440.8	35.3	0.0022	mg/L	0.0217 ppm
3	Sb 206.833	110.5	30.3	0.0078	mg/L	0.0785 ppm
3	Se 196.026	122.8	8.0	0.0031	mg/L	0.0313 ppm
3	Tl 190.800	385.6	17.5	0.0048	mg/L	0.0480 ppm
3	V 292.402	-245.8	135.9	0.0012	mg/L	0.0121 ppm
3	Zn 213.856	-175.9	261.4	0.0026	mg/L	0.0262 ppm

ean Data ----------

D: 3261-8 F=10 Seq. No.: 39 Sample No.: 24 A/S Pos: 33
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 1:01:48 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	17.7	0.0001	0.00068	mg/L	0.0010	0.00682	ppm	665.81%
l 308.215	1947.0	0.0657	0.00359	mg/L	0.6568	0.03590	ppm	5.47%
s 188.979	-1.4	-0.0005	0.00095	mg/L	-0.0048	0.00953	ppm	198.79%
a 233.527	8152.2	0.0214	0.00031	mg/L	0.2142	0.00307	ppm	1.43%
e 313.107	-153.2	-0.0001	0.00009	mg/L	-0.0007	0.00090	ppm	136.68%
a 227.547	957.6	4.819	0.0543	mg/L	48.19	0.543	ppm	1.13%
d 228.802	-51.0	-0.0005	0.00006	mg/L	-0.0045	0.00059	ppm	13.01%
o 228.616	-42.1	-0.0005	0.00017	mg/L	-0.0046	0.00166	ppm	35.93%
r 267.716	96.6	0.0011	0.00015	mg/L	0.0107	0.00153	ppm	14.31%
u 324.754	-803.0	-0.0032	0.00038	mg/L	-0.0322	0.00383	ppm	11.90%
e 273.955	3254.4	0.0811	0.00098	mg/L	0.8107	0.00979	ppm	1.21%
766.491	132399.3	7.819	0.4431	mg/L	78.19	4.431	ppm	5.67%
g 279.079	381813.2	9.476	0.0638	mg/L	94.76	0.638	ppm	0.67%
n 257.610	61306.6	0.0479	0.00054	mg/L	0.4785	0.00542	ppm	1.13%
o 202.030	3.3	0.0002	0.00029	mg/L	0.0020	0.00292	ppm	144.65%
a 330.237	108957.7	165.3	2.33	mg/L	1653	23.3	ppm	1.41%
i 231.604	-34.4	-0.0008	0.00004	mg/L	-0.0078	0.00040	ppm	5.07%
b 220.353	26.0	0.0016	0.00107	mg/L	0.0160	0.01067	ppm	66.63%
b 206.833	35.0	0.0091	0.00118	mg/L	0.0907	0.01176	ppm	12.97%
e 196.026	8.0	0.0032	0.00048	mg/L	0.0316	0.00477	ppm	15.06%
l 190.800	14.8	0.0041	0.00068	mg/L	0.0406	0.00677	ppm	16.67%
292.402	177.5	0.0016	0.00035	mg/L	0.0158	0.00349	ppm	22.04%
n 213.856	263.9	0.0026	0.00009	mg/L	0.0265	0.00091	ppm	3.45%

eplicate Data ----------

D: 3276-1 F=1 Date: 5/19/03 1:05:17 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1409.0	-366.8	-0.0021	mg/L	-0.0021	ppm
1	Al 308.215	6874.4	3289.8	0.1110	mg/L	0.1110	ppm
1	As 188.979	215.0	85.0	0.0300	mg/L	0.0300	ppm
1	Ba 233.527	102558.7	103581.6	0.2722	mg/L	0.2722	ppm
1	Be 313.107	38.9	-217.9	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	10561.3	9904.4	49.84	mg/L	49.84	ppm
1	Cd 228.802	21.9	-11.5	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	-478.5	75.7	0.0008	mg/L	0.0008	ppm
1	Cr 267.716	327.7	252.4	0.0028	mg/L	0.0028	ppm
1	Cu 324.754	4215.9	883.7	0.0035	mg/L	0.0035	ppm
1	Fe 273.955	6384.8	6025.8	0.1501	mg/L	0.1501	ppm
1	K 766.491	Saturated					
1	Mg 279.079	8324283.5	8320912.2	206.5	mg/L	206.5	ppm
1	Mn 257.610	526038.6	524705.4	0.4064	mg/L	0.4064	ppm

1 Mo 202.030	359.1	511.8	0.0313	mg/L	0.0313 ppm
1 Na 330.237	2026725.3	2022076.5	4074	mg/L	4074 ppm
1 Ni 231.604	-222.5	187.8	0.0043	mg/L	0.0043 ppm
1 Pb 220.353	498.8	93.3	0.0058	mg/L	0.0058 ppm
1 Sb 206.833	96.3	16.1	0.0042	mg/L	0.0042 ppm
1 Se 196.026	127.4	12.6	0.0049	mg/L	0.0049 ppm
1 Tl 190.800	392.3	24.1	0.0019	mg/L	0.0019 ppm
1 V 292.402	5998.0	6379.7	0.0569	mg/L	0.0569 ppm
1 Zn 213.856	1758.4	2195.6	0.0220	mg/L	0.0220 ppm
2 Ag 328.068	1486.5	-289.3	-0.0017	mg/L	-0.0017 ppm
2 Al 308.215	6949.6	3364.9	0.1135	mg/L	0.1135 ppm
2 As 188.979	213.2	83.2	0.0294	mg/L	0.0294 ppm
2 Ba 233.527	99369.5	100392.4	0.2638	mg/L	0.2638 ppm
2 Be 313.107	57.0	-199.7	-0.0001	mg/L	-0.0001 ppm
2 Ca 227.547	10253.0	9596.2	48.29	mg/L	48.29 ppm
2 Cd 228.802	44.2	10.8	0.0001	mg/L	0.0001 ppm
2 Co 228.616	-492.7	61.6	0.0007	mg/L	0.0007 ppm
2 Cr 267.716	490.8	415.5	0.0046	mg/L	0.0046 ppm
2 Cu 324.754	3987.2	654.9	0.0026	mg/L	0.0026 ppm
2 Fe 273.955	6049.2	5690.2	0.1418	mg/L	0.1418 ppm
2 K 766.491	Saturated				
2 Mg 279.079	8491614.7	8488243.4	210.7	mg/L	210.7 ppm
2 Mn 257.610	509792.5	508459.3	0.3936	mg/L	0.3936 ppm
2 Mo 202.030	365.2	517.9	0.0316	mg/L	0.0316 ppm
2 Na 330.237	2054165.7	2049516.8	4159	mg/L	4159 ppm
2 Ni 231.604	-240.0	170.3	0.0039	mg/L	0.0039 ppm
2 Pb 220.353	496.9	91.4	0.0056	mg/L	0.0056 ppm
2 Sb 206.833	99.4	19.3	0.0050	mg/L	0.0050 ppm
2 Se 196.026	118.7	3.9	0.0015	mg/L	0.0015 ppm
2 Tl 190.800	384.6	16.4	-0.0003	mg/L	-0.0003 ppm
2 V 292.402	5649.6	6031.3	0.0538	mg/L	0.0538 ppm
2 Zn 213.856	1773.1	2210.4	0.0222	mg/L	0.0222 ppm
3 Ag 328.068	1723.8	-52.0	-0.0003	mg/L	-0.0003 ppm
3 Al 308.215	6853.9	3269.3	0.1103	mg/L	0.1103 ppm
3 As 188.979	218.6	88.6	0.0311	mg/L	0.0311 ppm
3 Ba 233.527	98461.2	99484.1	0.2615	mg/L	0.2615 ppm
3 Be 313.107	150.9	-105.8	0.0000	mg/L	0.0000 ppm
3 Ca 227.547	10076.0	9419.1	47.40	mg/L	47.40 ppm
3 Cd 228.802	42.5	9.1	0.0001	mg/L	0.0001 ppm
3 Co 228.616	-478.3	75.9	0.0008	mg/L	0.0008 ppm
3 Cr 267.716	385.5	310.3	0.0034	mg/L	0.0034 ppm
3 Cu 324.754	4384.6	1052.4	0.0042	mg/L	0.0042 ppm
3 Fe 273.955	6123.9	5764.9	0.1436	mg/L	0.1436 ppm
3 K 766.491	Saturated				
3 Mg 279.079	8311541.6	8308170.3	206.2	mg/L	206.2 ppm
3 Mn 257.610	503778.3	502445.1	0.3890	mg/L	0.3890 ppm
3 Mo 202.030	363.0	515.7	0.0315	mg/L	0.0315 ppm
3 Na 330.237	2015592.3	2010943.5	4040	mg/L	4040 ppm
3 Ni 231.604	-214.6	195.6	0.0045	mg/L	0.0045 ppm
3 Pb 220.353	498.6	93.1	0.0057	mg/L	0.0057 ppm
3 Sb 206.833	97.4	17.2	0.0045	mg/L	0.0045 ppm
3 Se 196.026	126.6	11.8	0.0046	mg/L	0.0046 ppm
3 Tl 190.800	390.5	22.4	0.0014	mg/L	0.0014 ppm
3 V 292.402	5676.6	6058.3	0.0540	mg/L	0.0540 ppm
3 Zn 213.856	1793.0	2230.2	0.0224	mg/L	0.0224 ppm

ean Data ----------

D: 3276-1 F=1 Seq. No.: 40 Sample No.: 25 A/S Pos: 34
mple Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:05:17 PM

ement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
328.068	-236.0	-0.0014	0.00095	mg/L	-0.0014	0.00095	ppm	69.50%
308.215	3308.0	0.1116	0.00170	mg/L	0.1116	0.00170	ppm	1.52%
188.979	85.6	0.0302	0.00090	mg/L	0.0302	0.00090	ppm	3.00%
233.527	101152.7	0.2658	0.00566	mg/L	0.2658	0.00566	ppm	2.13%
313.107	-174.5	-0.0001	0.00003	mg/L	-0.0001	0.00003	ppm	34.47%
227.547	9639.9	48.51	1.236	mg/L	48.51	1.236	ppm	2.55%
228.802	2.8	0.0000	0.00011	mg/L	0.0000	0.00011	ppm	446.71%

o 228.616	71.1	0.0008	0.00009 mg/L	0.0008	0.00009 ppm	11.56%
r 267.716	326.1	0.0036	0.00092 mg/L	0.0036	0.00092 ppm	25.36%
u 324.754	863.7	0.0035	0.00080 mg/L	0.0035	0.00080 ppm	23.10%
e 273.955	5827.0	0.1452	0.00439 mg/L	0.1452	0.00439 ppm	3.02%
766.491	Saturated					
g 279.079	8372442.0	207.8	2.49 mg/L	207.8	2.49 ppm	1.20%
n 257.610	511869.9	0.3963	0.00900 mg/L	0.3963	0.00900 ppm	2.27%
o 202.030	515.1	0.0315	0.00019 mg/L	0.0315	0.00019 ppm	0.60%
a 330.237	2027512.3	4091	61.1 mg/L	4091	61.1 ppm	1.49%
i 231.604	184.6	0.0042	0.00030 mg/L	0.0042	0.00030 ppm	7.03%
b 220.353	92.6	0.0057	0.00006 mg/L	0.0057	0.00006 ppm	1.13%
b 206.833	17.5	0.0045	0.00041 mg/L	0.0045	0.00041 ppm	9.10%
e 196.026	9.4	0.0037	0.00189 mg/L	0.0037	0.00189 ppm	51.25%
l 190.800	21.0	0.0010	0.00116 mg/L	0.0010	0.00116 ppm	113.67%
292.402	6156.4	0.0549	0.00173 mg/L	0.0549	0.00173 ppm	3.15%
n 213.856	2212.1	0.0222	0.00017 mg/L	0.0222	0.00017 ppm	0.78%

eplicate Data ----------
D: 3276-1 F=10 Date: 5/19/03 1:08:48 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1629.5	-146.3	-0.0008	mg/L	-0.0084	ppm
1	Al 308.215	9005.4	5420.7	0.1829	mg/L	1.829	ppm
1	As 188.979	133.2	3.3	0.0011	mg/L	0.0110	ppm
1	Ba 233.527	10502.6	11525.5	0.0303	mg/L	0.3029	ppm
1	Be 313.107	171.0	-85.7	0.0000	mg/L	-0.0004	ppm
1	Ca 227.547	1773.3	1116.4	5.618	mg/L	56.18	ppm
1	Cd 228.802	-20.1	-53.6	-0.0005	mg/L	-0.0048	ppm
1	Co 228.616	-569.6	-15.4	-0.0002	mg/L	-0.0017	ppm
1	Cr 267.716	162.5	87.2	0.0010	mg/L	0.0097	ppm
1	Cu 324.754	2626.9	-705.3	-0.0028	mg/L	-0.0283	ppm
1	Fe 273.955	1182.0	823.1	0.0205	mg/L	0.2050	ppm
1	K 766.491	252782.0	251236.6	14.15	mg/L	141.5	ppm
1	Mg 279.079	964547.0	961175.7	23.85	mg/L	238.5	ppm
1	Mn 257.610	61053.6	59720.4	0.0466	mg/L	0.4661	ppm
1	Mo 202.030	-116.2	36.5	0.0022	mg/L	0.0223	ppm
1	Na 330.237	218497.0	213848.2	327.9	mg/L	3279	ppm
1	Ni 231.604	-413.0	-2.7	-0.0001	mg/L	-0.0006	ppm
1	Pb 220.353	441.5	36.0	0.0022	mg/L	0.0222	ppm
1	Sb 206.833	104.8	24.6	0.0064	mg/L	0.0637	ppm
1	Se 196.026	122.6	7.8	0.0031	mg/L	0.0307	ppm
1	Tl 190.800	375.7	7.6	0.0021	mg/L	0.0208	ppm
1	V 292.402	282.5	664.2	0.0059	mg/L	0.0592	ppm
1	Zn 213.856	-251.2	186.1	0.0019	mg/L	0.0187	ppm
2	Ag 328.068	1613.5	-162.3	-0.0009	mg/L	-0.0094	ppm
2	Al 308.215	8842.5	5257.8	0.1774	mg/L	1.774	ppm
2	As 188.979	137.4	7.4	0.0025	mg/L	0.0248	ppm
2	Ba 233.527	10280.5	11303.4	0.0297	mg/L	0.2971	ppm
2	Be 313.107	20.1	-236.7	-0.0001	mg/L	-0.0010	ppm
2	Ca 227.547	1821.2	1164.4	5.859	mg/L	58.59	ppm
2	Cd 228.802	-21.0	-54.5	-0.0005	mg/L	-0.0048	ppm
2	Co 228.616	-579.6	-25.4	-0.0003	mg/L	-0.0028	ppm
2	Cr 267.716	148.0	72.7	0.0008	mg/L	0.0081	ppm
2	Cu 324.754	2318.4	-1013.8	-0.0041	mg/L	-0.0406	ppm
2	Fe 273.955	1014.0	655.0	0.0163	mg/L	0.1632	ppm
2	K 766.491	253952.7	252407.2	14.21	mg/L	142.1	ppm
2	Mg 279.079	956514.5	953143.2	23.65	mg/L	236.5	ppm
2	Mn 257.610	60420.4	59087.2	0.0461	mg/L	0.4612	ppm
2	Mo 202.030	-111.1	41.5	0.0025	mg/L	0.0254	ppm
2	Na 330.237	215961.6	211312.8	323.9	mg/L	3239	ppm
2	Ni 231.604	-417.5	-7.2	-0.0002	mg/L	-0.0016	ppm
2	Pb 220.353	449.6	44.0	0.0027	mg/L	0.0271	ppm
2	Sb 206.833	100.1	20.0	0.0052	mg/L	0.0517	ppm
2	Se 196.026	120.1	5.3	0.0021	mg/L	0.0207	ppm
2	Tl 190.800	377.8	9.7	0.0027	mg/L	0.0266	ppm
2	V 292.402	400.4	782.1	0.0070	mg/L	0.0697	ppm
2	Zn 213.856	-254.7	182.5	0.0018	mg/L	0.0183	ppm
3	Ag 328.068	1722.7	-53.1	-0.0003	mg/L	-0.0031	ppm

3	Al 308.215	9052.7	5468.0	0.1845	mg/L	1.845 ppm
3	As 188.979	139.6	9.6	0.0032	mg/L	0.0321 ppm
3	Ba 233.527	10705.3	11728.2	0.0308	mg/L	0.3082 ppm
3	Be 313.107	141.7	-115.1	0.0000	mg/L	-0.0005 ppm
3	Ca 227.547	1808.5	1151.7	5.795	mg/L	57.95 ppm
3	Cd 228.802	-16.5	-50.0	-0.0004	mg/L	-0.0044 ppm
3	Co 228.616	-572.6	-18.3	-0.0002	mg/L	-0.0020 ppm
3	Cr 267.716	170.0	94.7	0.0011	mg/L	0.0105 ppm
3	Cu 324.754	2288.6	-1043.6	-0.0042	mg/L	-0.0418 ppm
3	Fe 273.955	963.9	604.9	0.0151	mg/L	0.1507 ppm
3	K 766.491	258514.0	256968.5	14.44	mg/L	144.4 ppm
3	Mg 279.079	989487.0	986115.7	24.47	mg/L	244.7 ppm
3	Mn 257.610	62251.9	60918.7	0.0475	mg/L	0.4755 ppm
3	Mo 202.030	-114.7	38.0	0.0023	mg/L	0.0232 ppm
3	Na 330.237	223452.3	218803.5	335.6	mg/L	3356 ppm
3	Ni 231.604	-434.9	-24.6	-0.0006	mg/L	-0.0056 ppm
3	Pb 220.353	439.1	33.6	0.0021	mg/L	0.0207 ppm
3	Sb 206.833	107.3	27.2	0.0070	mg/L	0.0703 ppm
3	Se 196.026	126.5	11.7	0.0046	mg/L	0.0459 ppm
3	Tl 190.800	370.2	2.0	0.0005	mg/L	0.0055 ppm
3	V 292.402	259.5	641.2	0.0057	mg/L	0.0572 ppm
3	Zn 213.856	-262.5	174.7	0.0018	mg/L	0.0175 ppm

ean Data ----------

D: 3276-1 F=10 Seq. No.: 41 Sample No.: 26 A/S Pos: 35
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 1:08:48 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-120.6	-0.0007	0.00034	mg/L	-0.0070	0.00340	ppm	48.92%
l 308.215	5382.2	0.1816	0.00372	mg/L	1.816	0.0372	ppm	2.05%
s 188.979	6.8	0.0023	0.00107	mg/L	0.0227	0.01073	ppm	47.34%
a 233.527	11519.0	0.0303	0.00056	mg/L	0.3027	0.00558	ppm	1.84%
e 313.107	-145.8	-0.0001	0.00003	mg/L	-0.0006	0.00034	ppm	54.87%
a 227.547	1144.2	5.758	0.1249	mg/L	57.58	1.249	ppm	2.17%
d 228.802	-52.7	-0.0005	0.00002	mg/L	-0.0047	0.00021	ppm	4.52%
o 228.616	-19.7	-0.0002	0.00006	mg/L	-0.0022	0.00056	ppm	26.04%
r 267.716	84.9	0.0009	0.00012	mg/L	0.0094	0.00124	ppm	13.17%
u 324.754	-920.9	-0.0037	0.00075	mg/L	-0.0369	0.00751	ppm	20.34%
e 273.955	694.3	0.0173	0.00285	mg/L	0.1730	0.02846	ppm	16.45%
766.491	253537.4	14.27	0.155	mg/L	142.7	1.55	ppm	1.08%
g 279.079	966811.5	23.99	0.427	mg/L	239.9	4.27	ppm	1.78%
n 257.610	59908.8	0.0468	0.00073	mg/L	0.4676	0.00726	ppm	1.55%
o 202.030	38.7	0.0024	0.00016	mg/L	0.0236	0.00158	ppm	6.70%
a 330.237	214654.8	329.1	5.97	mg/L	3291	59.7	ppm	1.81%
i 231.604	-11.5	-0.0003	0.00026	mg/L	-0.0026	0.00264	ppm	100.69%
o 220.353	37.9	0.0023	0.00034	mg/L	0.0233	0.00337	ppm	14.42%
o 206.833	23.9	0.0062	0.00094	mg/L	0.0619	0.00943	ppm	15.23%
e 196.026	8.3	0.0032	0.00127	mg/L	0.0325	0.01271	ppm	39.15%
l 190.800	6.4	0.0018	0.00109	mg/L	0.0176	0.01090	ppm	61.87%
292.402	695.8	0.0062	0.00067	mg/L	0.0620	0.00674	ppm	10.86%
n 213.856	181.1	0.0018	0.00006	mg/L	0.0182	0.00058	ppm	3.20%

eplicate Data ----------

D: 3276-2 F=1 Date: 5/19/03 1:12:21 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1721.2	-54.6	-0.0003	mg/L	-0.0003	ppm
1	Al 308.215	5864.3	2279.6	0.0769	mg/L	0.0769	ppm
1	As 188.979	144.2	14.3	0.0048	mg/L	0.0048	ppm
1	Ba 233.527	36303.0	37325.9	0.0981	mg/L	0.0981	ppm
1	Be 313.107	16.5	-240.3	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	5427.4	4770.6	24.01	mg/L	24.01	ppm
1	Cd 228.802	8.3	-25.2	-0.0002	mg/L	-0.0002	ppm
1	Co 228.616	-516.8	37.4	0.0004	mg/L	0.0004	ppm
1	Cr 267.716	317.1	241.9	0.0027	mg/L	0.0027	ppm
1	Cu 324.754	3110.9	-221.3	-0.0009	mg/L	-0.0009	ppm
1	Fe 273.955	15447.0	15088.1	0.3759	mg/L	0.3759	ppm
1	K 766.491	Saturated					

1 Mg 279.079	3348692.6	3345321.3	83.02	mg/L	83.02 ppm
1 Mn 257.610	313449.8	312116.6	0.2436	mg/L	0.2436 ppm
1 Mo 202.030	1084.7	1237.4	0.0756	mg/L	0.0756 ppm
1 Na 330.237	1252067.5	1247418.7	2167	mg/L	2167 ppm
1 Ni 231.604	-203.5	206.8	0.0047	mg/L	0.0047 ppm
1 Pb 220.353	421.4	15.9	0.0010	mg/L	0.0010 ppm
1 Sb 206.833	95.8	15.6	0.0040	mg/L	0.0040 ppm
1 Se 196.026	119.9	5.1	0.0020	mg/L	0.0020 ppm
1 Tl 190.800	385.5	17.3	0.0029	mg/L	0.0029 ppm
1 V 292.402	-432.9	-51.2	-0.0005	mg/L	-0.0005 ppm
1 Zn 213.856	-41.2	396.0	0.0040	mg/L	0.0040 ppm
2 Ag 328.068	1557.8	-218.0	-0.0013	mg/L	-0.0013 ppm
2 Al 308.215	5925.0	2340.3	0.0789	mg/L	0.0789 ppm
2 As 188.979	153.1	23.1	0.0077	mg/L	0.0077 ppm
2 Ba 233.527	37487.5	38510.4	0.1012	mg/L	0.1012 ppm
2 Be 313.107	9.0	-247.8	-0.0001	mg/L	-0.0001 ppm
2 Ca 227.547	5440.4	4783.6	24.07	mg/L	24.07 ppm
2 Cd 228.802	1.7	-31.7	-0.0003	mg/L	-0.0003 ppm
2 Co 228.616	-521.8	32.4	0.0004	mg/L	0.0004 ppm
2 Cr 267.716	446.2	370.9	0.0041	mg/L	0.0041 ppm
2 Cu 324.754	3090.1	-242.1	-0.0010	mg/L	-0.0010 ppm
2 Fe 273.955	15798.3	15439.3	0.3846	mg/L	0.3846 ppm
2 K 766.491	Saturated				
2 Mg 279.079	3296189.9	3292818.6	81.72	mg/L	81.72 ppm
2 Mn 257.610	320211.2	318878.0	0.2489	mg/L	0.2489 ppm
2 Mo 202.030	1098.7	1251.4	0.0764	mg/L	0.0764 ppm
2 Na 330.237	1224810.4	1220161.5	2111	mg/L	2111 ppm
2 Ni 231.604	-180.8	229.5	0.0052	mg/L	0.0052 ppm
2 Pb 220.353	437.4	31.9	0.0020	mg/L	0.0020 ppm
2 Sb 206.833	103.0	22.9	0.0059	mg/L	0.0059 ppm
2 Se 196.026	122.1	7.3	0.0029	mg/L	0.0029 ppm
2 Tl 190.800	397.7	29.5	0.0063	mg/L	0.0063 ppm
2 V 292.402	-317.9	63.8	0.0006	mg/L	0.0006 ppm
2 Zn 213.856	-45.8	391.4	0.0039	mg/L	0.0039 ppm
3 Ag 328.068	1621.1	-154.7	-0.0009	mg/L	-0.0009 ppm
3 Al 308.215	5754.1	2169.4	0.0732	mg/L	0.0732 ppm
3 As 188.979	156.3	26.3	0.0088	mg/L	0.0088 ppm
3 Ba 233.527	35080.9	36103.8	0.0949	mg/L	0.0949 ppm
3 Be 313.107	95.8	-160.9	-0.0001	mg/L	-0.0001 ppm
3 Ca 227.547	5409.3	4752.4	23.92	mg/L	23.92 ppm
3 Cd 228.802	-20.6	-54.1	-0.0005	mg/L	-0.0005 ppm
3 Co 228.616	-521.9	32.3	0.0004	mg/L	0.0004 ppm
3 Cr 267.716	435.8	360.5	0.0040	mg/L	0.0040 ppm
3 Cu 324.754	2945.3	-386.9	-0.0016	mg/L	-0.0016 ppm
3 Fe 273.955	14699.3	14340.3	0.3573	mg/L	0.3573 ppm
3 K 766.491	Saturated				
3 Mg 279.079	3393657.5	3390286.1	84.14	mg/L	84.14 ppm
3 Mn 257.610	301928.5	300595.3	0.2346	mg/L	0.2346 ppm
3 Mo 202.030	1085.3	1238.0	0.0756	mg/L	0.0756 ppm
3 Na 330.237	1254747.3	1250098.5	2173	mg/L	2173 ppm
3 Ni 231.604	-198.4	211.9	0.0048	mg/L	0.0048 ppm
3 Pb 220.353	468.1	62.6	0.0039	mg/L	0.0039 ppm
3 Sb 206.833	111.2	31.0	0.0080	mg/L	0.0080 ppm
3 Se 196.026	142.6	27.8	0.0109	mg/L	0.0109 ppm
3 Tl 190.800	376.5	8.4	0.0004	mg/L	0.0004 ppm
3 V 292.402	-92.9	288.8	0.0026	mg/L	0.0026 ppm
3 Zn 213.856	-56.9	380.3	0.0038	mg/L	0.0038 ppm

ean Data ----------

): 3276-2 F=1 Seq. No.: 42 Sample No.: 27 A/S Pos: 36
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:12:21 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-142.4	-0.0008	0.00048	mg/L	-0.0008	0.00048	ppm	57.81%
. 308.215	2263.1	0.0763	0.00292	mg/L	0.0763	0.00292	ppm	3.83%
s 188.979	21.2	0.0071	0.00209	mg/L	0.0071	0.00209	ppm	29.39%
a 233.527	37313.3	0.0981	0.00316	mg/L	0.0981	0.00316	ppm	3.22%
e 313.107	-216.3	-0.0001	0.00002	mg/L	-0.0001	0.00002	ppm	22.24%

a 227.547	4768.9	24.00	0.079	mg/L	24.00	0.079	ppm	0.33%
d 228.802	-37.0	-0.0003	0.00013	mg/L	-0.0003	0.00013	ppm	40.96%
o 228.616	34.0	0.0004	0.00003	mg/L	0.0004	0.00003	ppm	8.54%
r 267.716	324.4	0.0036	0.00079	mg/L	0.0036	0.00079	ppm	22.09%
u 324.754	-283.5	-0.0011	0.00036	mg/L	-0.0011	0.00036	ppm	31.83%
e 273.955	14955.9	0.3726	0.01398	mg/L	0.3726	0.01398	ppm	3.75%
766.491	Saturated							
g 279.079	3342808.7	82.96	1.211	mg/L	82.96	1.211	ppm	1.46%
n 257.610	310530.0	0.2424	0.00722	mg/L	0.2424	0.00722	ppm	2.98%
o 202.030	1242.3	0.0759	0.00048	mg/L	0.0759	0.00048	ppm	0.64%
a 330.237	1239226.2	2150	34.0	mg/L	2150	34.0	ppm	1.58%
i 231.604	216.1	0.0049	0.00027	mg/L	0.0049	0.00027	ppm	5.50%
b 220.353	36.8	0.0023	0.00146	mg/L	0.0023	0.00146	ppm	64.59%
b 206.833	23.2	0.0060	0.00200	mg/L	0.0060	0.00200	ppm	33.33%
e 196.026	13.4	0.0053	0.00493	mg/L	0.0053	0.00493	ppm	93.57%
l 190.800	18.4	0.0032	0.00294	mg/L	0.0032	0.00294	ppm	93.00%
292.402	100.5	0.0009	0.00154	mg/L	0.0009	0.00154	ppm	172.12%
n 213.856	389.2	0.0039	0.00008	mg/L	0.0039	0.00008	ppm	2.07%

eplicate Data ----------

D: 3276-2 F=10 Date: 5/19/03 1:15:51 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1652.5	-123.3	-0.0007	mg/L	-0.0071	ppm
1	Al 308.215	4690.2	1105.5	0.0373	mg/L	0.3729	ppm
1	As 188.979	138.6	8.6	0.0029	mg/L	0.0289	ppm
1	Ba 233.527	2983.6	4006.5	0.0105	mg/L	0.1053	ppm
1	Be 313.107	200.6	-56.2	0.0000	mg/L	-0.0002	ppm
1	Ca 227.547	1242.9	586.0	2.949	mg/L	29.49	ppm
1	Cd 228.802	-20.9	-54.3	-0.0005	mg/L	-0.0048	ppm
1	Co 228.616	-599.1	-44.9	-0.0005	mg/L	-0.0049	ppm
1	Cr 267.716	135.4	60.1	0.0007	mg/L	0.0067	ppm
1	Cu 324.754	2200.4	-1131.9	-0.0045	mg/L	-0.0454	ppm
1	Fe 273.955	1809.0	1450.1	0.0361	mg/L	0.3612	ppm
1	K 766.491	171518.6	169973.2	9.878	mg/L	98.78	ppm
1	Mg 279.079	381719.4	378348.1	9.390	mg/L	93.90	ppm
1	Mn 257.610	36851.9	35518.7	0.0277	mg/L	0.2772	ppm
1	Mo 202.030	-38.7	114.0	0.0070	mg/L	0.0696	ppm
1	Na 330.237	125433.1	120784.2	183.4	mg/L	1834	ppm
1	Ni 231.604	-416.3	-6.0	-0.0001	mg/L	-0.0014	ppm
1	Pb 220.353	415.7	10.1	0.0006	mg/L	0.0062	ppm
1	Sb 206.833	104.9	24.8	0.0064	mg/L	0.0641	ppm
1	Se 196.026	143.9	29.1	0.0114	mg/L	0.1144	ppm
1	Tl 190.800	374.7	6.6	0.0018	mg/L	0.0181	ppm
1	V 292.402	-322.1	59.6	0.0005	mg/L	0.0053	ppm
1	Zn 213.856	-472.9	-35.7	-0.0004	mg/L	-0.0036	ppm
2	Ag 328.068	1646.5	-129.3	-0.0007	mg/L	-0.0075	ppm
2	Al 308.215	4486.3	901.6	0.0304	mg/L	0.3041	ppm
2	As 188.979	143.2	13.3	0.0044	mg/L	0.0444	ppm
2	Ba 233.527	3101.6	4124.5	0.0108	mg/L	0.1084	ppm
2	Be 313.107	6.9	-249.8	-0.0001	mg/L	-0.0011	ppm
2	Ca 227.547	1233.6	576.7	2.902	mg/L	29.02	ppm
2	Cd 228.802	-20.6	-54.1	-0.0005	mg/L	-0.0048	ppm
2	Co 228.616	-610.0	-55.7	-0.0006	mg/L	-0.0061	ppm
2	Cr 267.716	161.1	85.8	0.0010	mg/L	0.0095	ppm
2	Cu 324.754	2164.1	-1168.1	-0.0047	mg/L	-0.0468	ppm
2	Fe 273.955	1979.2	1620.3	0.0404	mg/L	0.4037	ppm
2	K 766.491	175775.1	174229.6	10.11	mg/L	101.1	ppm
2	Mg 279.079	382481.9	379110.6	9.408	mg/L	94.08	ppm
2	Mn 257.610	36733.4	35400.2	0.0276	mg/L	0.2763	ppm
2	Mo 202.030	-29.4	123.3	0.0075	mg/L	0.0753	ppm
2	Na 330.237	126107.6	121458.7	184.5	mg/L	1845	ppm
2	Ni 231.604	-428.5	-18.2	-0.0004	mg/L	-0.0041	ppm
2	Pb 220.353	429.3	23.7	0.0015	mg/L	0.0146	ppm
2	Sb 206.833	103.9	23.7	0.0061	mg/L	0.0615	ppm
2	Se 196.026	131.2	16.4	0.0065	mg/L	0.0646	ppm
2	Tl 190.800	381.9	13.8	0.0038	mg/L	0.0379	ppm
2	V 292.402	-430.5	-48.8	-0.0004	mg/L	-0.0044	ppm
2	Zn 213.856	-479.1	-41.8	-0.0004	mg/L	-0.0042	ppm

3 Ag 328.068	1876.6	100.8	0.0006	mg/L	0.0058 ppm
3 Al 308.215	4760.7	1176.0	0.0397	mg/L	0.3967 ppm
3 As 188.979	129.9	-0.1	0.0000	mg/L	-0.0002 ppm
3 Ba 233.527	2948.8	3971.7	0.0104	mg/L	0.1044 ppm
3 Be 313.107	128.1	-128.7	-0.0001	mg/L	-0.0006 ppm
3 Ca 227.547	1240.8	584.0	2.939	mg/L	29.39 ppm
3 Cd 228.802	-40.3	-73.8	-0.0007	mg/L	-0.0066 ppm
3 Co 228.616	-612.1	-57.9	-0.0006	mg/L	-0.0064 ppm
3 Cr 267.716	159.7	84.4	0.0009	mg/L	0.0094 ppm
3 Cu 324.754	2061.9	-1270.3	-0.0051	mg/L	-0.0509 ppm
3 Fe 273.955	1771.7	1412.7	0.0352	mg/L	0.3519 ppm
3 K 766.491	162785.7	161240.2	9.404	mg/L	94.04 ppm
3 Mg 279.079	371417.4	368046.1	9.134	mg/L	91.34 ppm
3 Mn 257.610	35739.5	34406.3	0.0269	mg/L	0.2685 ppm
3 Mo 202.030	-29.1	123.6	0.0075	mg/L	0.0755 ppm
3 Na 330.237	122568.8	117919.9	179.0	mg/L	1790 ppm
3 Ni 231.604	-429.3	-19.0	-0.0004	mg/L	-0.0043 ppm
3 Pb 220.353	413.0	7.5	0.0005	mg/L	0.0046 ppm
3 Sb 206.833	127.3	47.2	0.0122	mg/L	0.1221 ppm
3 Se 196.026	143.1	28.3	0.0111	mg/L	0.1113 ppm
3 Tl 190.800	375.3	7.2	0.0020	mg/L	0.0197 ppm
3 V 292.402	-467.7	-86.0	-0.0008	mg/L	-0.0077 ppm
3 Zn 213.856	-476.1	-38.9	-0.0004	mg/L	-0.0039 ppm

ean Data ----------

D: 3276-2 F=10 Seq. No.: 43 Sample No.: 28 A/S Pos: 37
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 5/19/03 1:15:51 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-50.6	-0.0003	0.00076	mg/L	-0.0029	0.00757	ppm	259.36%
l 308.215	1061.0	0.0358	0.00481	mg/L	0.3579	0.04807	ppm	13.43%
s 188.979	7.3	0.0024	0.00226	mg/L	0.0244	0.02262	ppm	92.86%
a 233.527	4034.2	0.0106	0.00021	mg/L	0.1060	0.00211	ppm	1.99%
e 313.107	-144.9	-0.0001	0.00004	mg/L	-0.0006	0.00042	ppm	67.53%
a 227.547	582.2	2.930	0.0246	mg/L	29.30	0.246	ppm	0.84%
d 228.802	-60.7	-0.0005	0.00010	mg/L	-0.0054	0.00101	ppm	18.62%
o 228.616	-52.8	-0.0006	0.00008	mg/L	-0.0058	0.00076	ppm	13.18%
r 267.716	76.8	0.0009	0.00016	mg/L	0.0085	0.00160	ppm	18.80%
u 324.754	-1190.1	-0.0048	0.00029	mg/L	-0.0477	0.00288	ppm	6.03%
e 273.955	1494.4	0.0372	0.00276	mg/L	0.3723	0.02756	ppm	7.40%
766.491	168481.0	9.796	0.3585	mg/L	97.96	3.585	ppm	3.66%
g 279.079	375168.3	9.311	0.1534	mg/L	93.11	1.534	ppm	1.65%
n 257.610	35108.4	0.0274	0.00048	mg/L	0.2740	0.00477	ppm	1.74%
o 202.030	120.3	0.0073	0.00033	mg/L	0.0735	0.00333	ppm	4.53%
a 330.237	120054.3	182.3	2.89	mg/L	1823	28.9	ppm	1.58%
i 231.604	-14.4	-0.0003	0.00017	mg/L	-0.0033	0.00165	ppm	50.39%
o 220.353	13.8	0.0008	0.00054	mg/L	0.0085	0.00537	ppm	63.14%
o 206.833	31.9	0.0083	0.00343	mg/L	0.0826	0.03429	ppm	41.52%
e 196.026	24.6	0.0097	0.00279	mg/L	0.0968	0.02786	ppm	28.80%
l 190.800	9.2	0.0025	0.00110	mg/L	0.0252	0.01100	ppm	43.63%
292.402	-25.1	-0.0002	0.00067	mg/L	-0.0022	0.00674	ppm	301.59%
n 213.856	-38.8	-0.0004	0.00003	mg/L	-0.0039	0.00031	ppm	7.94%

eplicate Data ----------

D: 3205-1 F=1 Date: 5/19/03 1:19:18 PM

epl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	1698.7	-77.1	-0.0004	mg/L	-0.0004	ppm
1 Al 308.215	4775.6	1190.9	0.0402	mg/L	0.0402	ppm
1 As 188.979	133.6	3.6	0.0024	mg/L	0.0024	ppm
1 Ba 233.527	17249.5	18272.4	0.0480	mg/L	0.0480	ppm
1 Be 313.107	-45.7	-302.5	-0.0001	mg/L	-0.0001	ppm
1 Ca 227.547	8017.3	7360.5	37.04	mg/L	37.04	ppm
1 Cd 228.802	-5.9	-39.3	-0.0003	mg/L	-0.0003	ppm
1 Co 228.616	-597.1	-42.9	-0.0005	mg/L	-0.0005	ppm
1 Cr 267.716	638.8	563.6	0.0062	mg/L	0.0062	ppm
1 Cu 324.754	2888.1	-444.2	-0.0018	mg/L	-0.0018	ppm

1	Fe 273.955	7572.1	7213.1	0.1797	mg/L	0.1797 ppm
1	K 766.491	23920.0	22374.5	1.444	mg/L	1.444 ppm
1	Mg 279.079	528451.0	525079.7	13.03	mg/L	13.03 ppm
1	Mn 257.610	4334.4	3001.2	0.0023	mg/L	0.0023 ppm
1	Mo 202.030	-13.1	139.6	0.0085	mg/L	0.0085 ppm
1	Na 330.237	20534.7	15885.9	23.74	mg/L	23.74 ppm
1	Ni 231.604	-343.6	66.7	0.0015	mg/L	0.0015 ppm
1	Pb 220.353	421.7	16.1	0.0010	mg/L	0.0010 ppm
1	Sb 206.833	90.1	10.0	0.0026	mg/L	0.0026 ppm
1	Se 196.026	111.7	-3.1	-0.0012	mg/L	-0.0012 ppm
1	Tl 190.800	369.3	1.1	0.0003	mg/L	0.0003 ppm
1	V 292.402	120.0	501.7	0.0045	mg/L	0.0045 ppm
1	Zn 213.856	79.9	517.1	0.0052	mg/L	0.0052 ppm
2	Ag 328.068	1630.8	-145.0	-0.0008	mg/L	-0.0008 ppm
2	Al 308.215	4946.4	1361.8	0.0459	mg/L	0.0459 ppm
2	As 188.979	128.1	-1.9	0.0006	mg/L	0.0006 ppm
2	Ba 233.527	18088.4	19111.3	0.0502	mg/L	0.0502 ppm
2	Be 313.107	-20.8	-277.5	-0.0001	mg/L	-0.0001 ppm
2	Ca 227.547	8294.5	7637.6	38.43	mg/L	38.43 ppm
2	Cd 228.802	-34.0	-67.4	-0.0006	mg/L	-0.0006 ppm
2	Co 228.616	-622.1	-67.8	-0.0007	mg/L	-0.0007 ppm
2	Cr 267.716	662.2	586.9	0.0065	mg/L	0.0065 ppm
2	Cu 324.754	2806.6	-525.6	-0.0021	mg/L	-0.0021 ppm
2	Fe 273.955	7891.4	7532.5	0.1877	mg/L	0.1877 ppm
2	K 766.491	26660.0	25114.6	1.610	mg/L	1.610 ppm
2	Mg 279.079	558160.0	554788.7	13.77	mg/L	13.77 ppm
2	Mn 257.610	4536.4	3203.2	0.0025	mg/L	0.0025 ppm
2	Mo 202.030	10.4	163.1	0.0100	mg/L	0.0100 ppm
2	Na 330.237	21295.2	16646.4	24.89	mg/L	24.89 ppm
2	Ni 231.604	-339.5	70.8	0.0016	mg/L	0.0016 ppm
2	Pb 220.353	428.0	22.4	0.0014	mg/L	0.0014 ppm
2	Sb 206.833	110.7	30.6	0.0079	mg/L	0.0079 ppm
2	Se 196.026	131.4	16.6	0.0065	mg/L	0.0065 ppm
2	Tl 190.800	363.4	-4.8	-0.0013	mg/L	-0.0013 ppm
2	V 292.402	88.6	470.3	0.0042	mg/L	0.0042 ppm
2	Zn 213.856	62.1	499.3	0.0050	mg/L	0.0050 ppm
3	Ag 328.068	1705.9	-69.9	-0.0004	mg/L	-0.0004 ppm
3	Al 308.215	4754.9	1170.2	0.0395	mg/L	0.0395 ppm
3	As 188.979	134.3	4.4	0.0026	mg/L	0.0026 ppm
3	Ba 233.527	17448.2	18471.1	0.0485	mg/L	0.0485 ppm
3	Be 313.107	-98.0	-354.8	-0.0002	mg/L	-0.0002 ppm
3	Ca 227.547	8135.3	7478.5	37.63	mg/L	37.63 ppm
3	Cd 228.802	-31.4	-64.9	-0.0006	mg/L	-0.0006 ppm
3	Co 228.616	-638.8	-84.5	-0.0009	mg/L	-0.0009 ppm
3	Cr 267.716	654.6	579.3	0.0064	mg/L	0.0064 ppm
3	Cu 324.754	2617.9	-714.4	-0.0029	mg/L	-0.0029 ppm
3	Fe 273.955	7754.6	7395.7	0.1842	mg/L	0.1842 ppm
3	K 766.491	25753.8	24208.4	1.555	mg/L	1.555 ppm
3	Mg 279.079	544527.8	541156.4	13.43	mg/L	13.43 ppm
3	Mn 257.610	4303.0	2969.8	0.0023	mg/L	0.0023 ppm
3	Mo 202.030	-1.2	151.5	0.0093	mg/L	0.0093 ppm
3	Na 330.237	20916.9	16268.0	24.32	mg/L	24.32 ppm
3	Ni 231.604	-333.4	76.9	0.0018	mg/L	0.0018 ppm
3	Pb 220.353	424.7	19.2	0.0012	mg/L	0.0012 ppm
3	Sb 206.833	105.3	25.1	0.0065	mg/L	0.0065 ppm
3	Se 196.026	114.8	0.0	0.0000	mg/L	0.0000 ppm
3	Tl 190.800	366.3	-1.8	-0.0005	mg/L	-0.0005 ppm
3	V 292.402	46.3	428.0	0.0038	mg/L	0.0038 ppm
3	Zn 213.856	83.3	520.5	0.0052	mg/L	0.0052 ppm

ean Data ----------

D: 3205-1 F=1 Seq. No.: 44 Sample No.: 29 A/S Pos: 38
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:19:18 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-97.4	-0.0006	0.00024	mg/L	-0.0006	0.00024	ppm	42.56%
l 308.215	1241.0	0.0419	0.00355	mg/L	0.0419	0.00355	ppm	8.47%
s 188.979	2.0	0.0019	0.00112	mg/L	0.0019	0.00112	ppm	59.98%

a 233.527	18618.3	0.0489	0.00115 mg/L	0.0489	0.00115 ppm	2.35%
e 313.107	-311.6	-0.0001	0.00002 mg/L	-0.0001	0.00002 ppm	12.65%
a 227.547	7492.2	37.70	0.700 mg/L	37.70	0.700 ppm	1.86%
d 228.802	-57.2	-0.0005	0.00014 mg/L	-0.0005	0.00014 ppm	27.18%
o 228.616	-65.1	-0.0007	0.00023 mg/L	-0.0007	0.00023 ppm	32.22%
r 267.716	576.6	0.0064	0.00013 mg/L	0.0064	0.00013 ppm	2.07%
u 324.754	-561.4	-0.0023	0.00056 mg/L	-0.0023	0.00056 ppm	24.69%
e 273.955	7380.4	0.1839	0.00399 mg/L	0.1839	0.00399 ppm	2.17%
766.491	23899.2	1.536	0.0845 mg/L	1.536	0.0845 ppm	5.50%
g 279.079	540341.6	13.41	0.369 mg/L	13.41	0.369 ppm	2.75%
n 257.610	3058.1	0.0024	0.00010 mg/L	0.0024	0.00010 ppm	4.14%
o 202.030	151.4	0.0092	0.00072 mg/L	0.0092	0.00072 ppm	7.77%
a 330.237	16266.8	24.32	0.573 mg/L	24.32	0.573 ppm	2.36%
i 231.604	71.5	0.0016	0.00012 mg/L	0.0016	0.00012 ppm	7.19%
b 220.353	19.3	0.0012	0.00019 mg/L	0.0012	0.00019 ppm	16.33%
b 206.833	21.9	0.0057	0.00276 mg/L	0.0057	0.00276 ppm	48.79%
e 196.026	4.5	0.0018	0.00417 mg/L	0.0018	0.00417 ppm	234.48%
l 190.800	-1.8	-0.0005	0.00081 mg/L	-0.0005	0.00081 ppm	161.14%
292.402	466.7	0.0042	0.00033 mg/L	0.0042	0.00033 ppm	7.93%
n 213.856	512.3	0.0051	0.00011 mg/L	0.0051	0.00011 ppm	2.22%

eplicate Data ----------

D: CCV 1447B Date: 5/19/03 1:22:52 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	167026.1	165250.3	0.9537	mg/L		
1	Al 308.215	151562.3	147977.6	4.992	mg/L		
1	As 188.979	1553.1	1423.1	0.4814	mg/L		
1	Ba 233.527	1925154.1	1926177.0	5.062	mg/L		
1	Be 313.107	1234724.0	1234467.2	0.5321	mg/L		
1	Ca 227.547	10247.2	9590.4	48.26	mg/L		
1	Cd 228.802	121651.9	121618.4	1.082	mg/L		
1	Co 228.616	196700.9	197255.1	2.166	mg/L		
1	Cr 267.716	43052.7	42977.4	0.4765	mg/L		
1	Cu 324.754	512430.4	509098.1	2.041	mg/L		
1	Fe 273.955	194132.5	193773.5	4.827	mg/L		
1	K 766.491	253622.1	252076.7	14.19	mg/L		
1	Mg 279.079	1046078.0	1042706.7	25.88	mg/L		
1	Mn 257.610	2713298.7	2711965.5	2.117	mg/L		
1	Mo 202.030	32904.3	33057.0	2.019	mg/L		
1	Na 330.237	65418.8	60770.0	91.67	mg/L		
1	Ni 231.604	94829.1	95239.4	2.172	mg/L		
1	Pb 220.353	8796.6	8391.1	0.5172	mg/L		
1	Sb 206.833	8261.2	8181.0	2.103	mg/L		
1	Se 196.026	1396.7	1281.9	0.5041	mg/L		
1	Tl 190.800	2127.1	1758.9	0.4831	mg/L		
1	V 292.402	208543.4	208925.1	1.863	mg/L		
1	Zn 213.856	206523.7	206960.9	2.075	mg/L		
2	Ag 328.068	163459.9	161684.1	0.9331	mg/L		
2	Al 308.215	148286.9	144702.2	4.881	mg/L		
2	As 188.979	1532.0	1402.0	0.4742	mg/L		
2	Ba 233.527	1884343.1	1885366.0	4.955	mg/L		
2	Be 313.107	1210993.4	1210736.6	0.5218	mg/L		
2	Ca 227.547	9955.8	9298.9	46.79	mg/L		
2	Cd 228.802	119430.8	119397.4	1.063	mg/L		
2	Co 228.616	192552.7	193106.9	2.120	mg/L		
2	Cr 267.716	41958.9	41883.6	0.4643	mg/L		
2	Cu 324.754	501933.2	498600.9	1.999	mg/L		
2	Fe 273.955	190210.3	189851.3	4.730	mg/L		
2	K 766.491	248909.7	247364.3	13.95	mg/L		
2	Mg 279.079	1024900.6	1021529.3	25.35	mg/L		
2	Mn 257.610	2628310.2	2626977.0	2.050	mg/L		
2	Mo 202.030	32472.8	32625.5	1.993	mg/L		
2	Na 330.237	64576.2	59927.4	90.39	mg/L		
2	Ni 231.604	92960.8	93371.1	2.129	mg/L		
2	Pb 220.353	8778.8	8373.3	0.5161	mg/L		
2	Sb 206.833	8242.1	8162.0	2.099	mg/L		
2	Se 196.026	1413.5	1298.7	0.5107	mg/L		
2	Tl 190.800	2126.8	1758.6	0.4830	mg/L		

2	V 292.402	203862.7	204244.4	1.821 mg/L
2	Zn 213.856	202918.8	203356.0	2.039 mg/L
3	Ag 328.068	173438.6	171662.8	0.9907 mg/L
3	Al 308.215	157746.1	154161.4	5.200 mg/L
3	As 188.979	1523.0	1393.0	0.4715 mg/L
3	Ba 233.527	1992182.9	1993205.8	5.238 mg/L
3	Be 313.107	1281278.7	1281021.9	0.5521 mg/L
3	Ca 227.547	10615.6	9958.7	50.11 mg/L
3	Cd 228.802	126592.8	126559.4	1.126 mg/L
3	Co 228.616	203606.2	204160.4	2.241 mg/L
3	Cr 267.716	44477.5	44402.2	0.4923 mg/L
3	Cu 324.754	532243.7	528911.5	2.120 mg/L
3	Fe 273.955	201171.5	200812.6	5.003 mg/L
3	K 766.491	262008.2	260462.8	14.62 mg/L
3	Mg 279.079	1084708.2	1081336.9	26.84 mg/L
3	Mn 257.610	2756798.7	2755465.5	2.151 mg/L
3	Mo 202.030	34317.8	34470.5	2.105 mg/L
3	Na 330.237	68380.6	63731.8	96.17 mg/L
3	Ni 231.604	98198.4	98608.7	2.249 mg/L
3	Pb 220.353	8713.6	8308.0	0.5121 mg/L
3	Sb 206.833	8216.7	8136.5	2.091 mg/L
3	Se 196.026	1387.0	1272.2	0.5003 mg/L
3	Tl 190.800	2125.8	1757.6	0.4827 mg/L
3	V 292.402	216012.8	216394.5	1.929 mg/L
3	Zn 213.856	214943.6	215380.8	2.159 mg/L

ean Data ----------

D: CCV 1447B Seq. No.: 45 Sample No.: 5 A/S Pos: 6
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:22:52 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	166199.1	0.9592	0.02918	mg/L				3.04%
l 308.215	148947.1	5.025	0.1620	mg/L				3.22%
s 188.979	1406.1	0.4757	0.00511	mg/L				1.07%
a 233.527	1934916.3	5.085	0.1431	mg/L				2.81%
e 313.107	1242075.2	0.5353	0.01541	mg/L				2.88%
a 227.547	9616.0	48.39	1.664	mg/L				3.44%
d 228.802	122525.1	1.091	0.0326	mg/L				2.99%
o 228.616	198174.2	2.176	0.0613	mg/L				2.82%
r 267.716	43087.8	0.4777	0.01400	mg/L				2.93%
u 324.754	512203.5	2.053	0.0617	mg/L				3.01%
e 273.955	194812.5	4.853	0.1384	mg/L				2.85%
766.491	253301.2	14.26	0.339	mg/L				2.38%
g 279.079	1048524.3	26.02	0.753	mg/L				2.89%
n 257.610	2698136.0	2.106	0.0510	mg/L				2.42%
o 202.030	33384.3	2.039	0.0589	mg/L				2.89%
a 330.237	61476.4	92.75	3.038	mg/L				3.28%
i 231.604	95739.7	2.183	0.0605	mg/L				2.77%
b 220.353	8357.5	0.5152	0.00269	mg/L				0.52%
b 206.833	8159.8	2.098	0.0060	mg/L				0.29%
e 196.026	1284.3	0.5050	0.00527	mg/L				1.04%
l 190.800	1758.4	0.4829	0.00019	mg/L				0.04%
292.402	209854.6	1.871	0.0546	mg/L				2.92%
n 213.856	208565.9	2.091	0.0619	mg/L				2.96%

eplicate Data ----------

D: CCB Date: 5/19/03 1:26:22 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1715.5	-60.3	-0.0003	mg/L		
1	Al 308.215	4367.5	782.8	0.0264	mg/L		
1	As 188.979	138.3	8.3	0.0028	mg/L		
1	Ba 233.527	-720.0	302.9	0.0008	mg/L		
1	Be 313.107	903.4	646.6	0.0003	mg/L		
1	Ca 227.547	655.1	-1.8	-0.0089	mg/L		
1	Cd 228.802	-0.8	-34.2	-0.0003	mg/L		
1	Co 228.616	-533.8	20.4	0.0002	mg/L		

1 Cr 267.716	152.9	77.6	0.0009	mg/L
1 Cu 324.754	2783.7	-548.5	-0.0022	mg/L
1 Fe 273.955	447.6	88.7	0.0022	mg/L
1 K 766.491	2256.9	711.4	0.1182	mg/L
1 Mg 279.079	5250.6	1879.3	0.0466	mg/L
1 Mn 257.610	2471.5	1138.3	0.0009	mg/L
1 Mo 202.030	-147.0	5.7	0.0003	mg/L
1 Na 330.237	5333.8	684.9	0.8694	mg/L
1 Ni 231.604	-418.0	-7.7	-0.0002	mg/L
1 Pb 220.353	429.4	23.8	0.0015	mg/L
1 Sb 206.833	94.8	14.7	0.0038	mg/L
1 Se 196.026	125.3	10.5	0.0041	mg/L
1 Tl 190.800	358.2	-9.9	-0.0027	mg/L
1 V 292.402	-380.0	1.7	0.0000	mg/L
1 Zn 213.856	-478.0	-40.8	-0.0004	mg/L
2 Ag 328.068	1732.9	-42.9	-0.0002	mg/L
2 Al 308.215	4354.2	769.5	0.0260	mg/L
2 As 188.979	137.6	7.7	0.0026	mg/L
2 Ba 233.527	-916.7	106.2	0.0003	mg/L
2 Be 313.107	730.9	474.2	0.0002	mg/L
2 Ca 227.547	667.4	10.5	0.0529	mg/L
2 Cd 228.802	-17.1	-50.6	-0.0005	mg/L
2 Co 228.616	-537.7	16.5	0.0002	mg/L
2 Cr 267.716	124.2	48.9	0.0005	mg/L
2 Cu 324.754	2291.4	-1040.9	-0.0042	mg/L
2 Fe 273.955	415.7	56.8	0.0014	mg/L
2 K 766.491	2003.0	457.5	0.1025	mg/L
2 Mg 279.079	4426.3	1055.0	0.0262	mg/L
2 Mn 257.610	2204.6	871.4	0.0007	mg/L
2 Mo 202.030	-152.8	-0.1	0.0000	mg/L
2 Na 330.237	5196.2	547.4	0.6628	mg/L
2 Ni 231.604	-426.5	-16.2	-0.0004	mg/L
2 Pb 220.353	433.1	27.5	0.0017	mg/L
2 Sb 206.833	94.5	14.4	0.0037	mg/L
2 Se 196.026	132.0	17.2	0.0068	mg/L
2 Tl 190.800	371.5	3.4	0.0009	mg/L
2 V 292.402	-348.2	33.5	0.0003	mg/L
2 Zn 213.856	-496.0	-58.7	-0.0006	mg/L
3 Ag 328.068	1962.6	186.8	0.0011	mg/L
3 Al 308.215	4363.2	778.5	0.0263	mg/L
3 As 188.979	135.3	5.4	0.0018	mg/L
3 Ba 233.527	-1057.6	-34.7	-0.0001	mg/L
3 Be 313.107	689.0	432.2	0.0002	mg/L
3 Ca 227.547	679.8	22.9	0.1155	mg/L
3 Cd 228.802	3.2	-30.2	-0.0003	mg/L
3 Co 228.616	-551.1	3.1	0.0000	mg/L
3 Cr 267.716	145.9	70.6	0.0008	mg/L
3 Cu 324.754	2551.5	-780.7	-0.0031	mg/L
3 Fe 273.955	381.7	22.8	0.0006	mg/L
3 K 766.491	1418.2	-127.3	0.0663	mg/L
3 Mg 279.079	4186.6	815.3	0.0202	mg/L
3 Mn 257.610	1880.3	547.1	0.0004	mg/L
3 Mo 202.030	-167.0	-14.4	-0.0009	mg/L
3 Na 330.237	5211.7	562.9	0.6860	mg/L
3 Ni 231.604	-439.2	-28.9	-0.0007	mg/L
3 Pb 220.353	436.4	30.9	0.0019	mg/L
3 Sb 206.833	102.7	22.5	0.0058	mg/L
3 Se 196.026	135.8	21.0	0.0083	mg/L
3 Tl 190.800	359.9	-8.2	-0.0023	mg/L
3 V 292.402	-515.4	-133.7	-0.0012	mg/L
3 Zn 213.856	-498.4	-61.2	-0.0006	mg/L

an Data ----------

): CCB Seq. No.: 46 Sample No.: 6 A/S Pos: 1
mple Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:26:22 PM

ement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
328.068	27.9	0.0002	0.00080	mg/L				494.3

l 308.215	776.9	0.0262	0.00023	mg/L	0.87%
s 188.979	7.1	0.0024	0.00051	mg/L	21.60%
a 233.527	124.8	0.0003	0.00045	mg/L	135.89%
e 313.107	517.7	0.0002	0.00005	mg/L	21.95%
a 227.547	10.6	0.0532	0.06216	mg/L	116.90%
d 228.802	-38.3	-0.0003	0.00010	mg/L	28.15%
o 228.616	13.3	0.0001	0.00010	mg/L	68.13%
r 267.716	65.7	0.0007	0.00017	mg/L	22.76%
u 324.754	-790.0	-0.0032	0.00099	mg/L	31.18%
e 273.955	56.1	0.0014	0.00082	mg/L	58.73%
766.491	347.2	0.0957	0.02659	mg/L	27.80%
g 279.079	1249.8	0.0310	0.01385	mg/L	44.65%
n 257.610	852.3	0.0007	0.00023	mg/L	34.74%
o 202.030	-2.9	-0.0002	0.00063	mg/L	353.83%
a 330.237	598.4	0.7394	0.11321	mg/L	15.31%
i 231.604	-17.6	-0.0004	0.00024	mg/L	60.39%
b 220.353	27.4	0.0017	0.00022	mg/L	12.84%
b 206.833	17.2	0.0045	0.00119	mg/L	26.80%
e 196.026	16.2	0.0064	0.00210	mg/L	32.81%
QC exceeds upper limit for Se 196.026 Action = Continue					
l 190.800	-4.9	-0.0014	0.00199	mg/L	147.12%
292.402	-32.9	-0.0003	0.00079	mg/L	270.23%
n 213.856	-53.6	-0.0005	0.00011	mg/L	20.77%

eplicate Data ----------

D: 3205-2 F=1 Date: 5/19/03 1:29:44 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1702.6	-73.2	-0.0004	mg/L	-0.0004	ppm
1	Al 308.215	5527.5	1942.8	0.0655	mg/L	0.0655	ppm
1	As 188.979	130.9	0.9	0.0003	mg/L	0.0003	ppm
1	Ba 233.527	-177.6	845.3	0.0022	mg/L	0.0022	ppm
1	Be 313.107	327.6	70.8	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	668.8	12.0	0.0602	mg/L	0.0602	ppm
1	Cd 228.802	-28.8	-62.3	-0.0006	mg/L	-0.0006	ppm
1	Co 228.616	-527.5	26.7	0.0003	mg/L	0.0003	ppm
1	Cr 267.716	554.1	478.9	0.0053	mg/L	0.0053	ppm
1	Cu 324.754	3359.1	26.8	0.0001	mg/L	0.0001	ppm
1	Fe 273.955	1374.9	1016.0	0.0253	mg/L	0.0253	ppm
1	K 766.491	2476.0	930.5	0.1317	mg/L	0.1317	ppm
1	Mg 279.079	6994.5	3623.2	0.0899	mg/L	0.0899	ppm
1	Mn 257.610	2868.6	1535.4	0.0012	mg/L	0.0012	ppm
1	Mo 202.030	-170.0	-17.4	-0.0011	mg/L	-0.0011	ppm
1	Na 330.237	5451.7	802.9	1.047	mg/L	1.047	ppm
1	Ni 231.604	-306.4	103.9	0.0024	mg/L	0.0024	ppm
1	Pb 220.353	545.1	139.6	0.0086	mg/L	0.0086	ppm
1	Sb 206.833	100.9	20.8	0.0054	mg/L	0.0054	ppm
1	Se 196.026	137.9	23.1	0.0091	mg/L	0.0091	ppm
1	Tl 190.800	364.0	-4.1	-0.0011	mg/L	-0.0011	ppm
1	V 292.402	-333.2	48.5	0.0004	mg/L	0.0004	ppm
1	Zn 213.856	-140.6	296.6	0.0030	mg/L	0.0030	ppm
2	Ag 328.068	1618.6	-157.2	-0.0009	mg/L	-0.0009	ppm
2	Al 308.215	5794.3	2209.6	0.0745	mg/L	0.0745	ppm
2	As 188.979	138.6	8.6	0.0029	mg/L	0.0029	ppm
2	Ba 233.527	-302.8	720.1	0.0019	mg/L	0.0019	ppm
2	Be 313.107	339.1	82.3	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	682.1	25.3	0.1272	mg/L	0.1272	ppm
2	Cd 228.802	-26.4	-59.9	-0.0005	mg/L	-0.0005	ppm
2	Co 228.616	-563.0	-8.8	-0.0001	mg/L	-0.0001	ppm
2	Cr 267.716	580.8	505.6	0.0056	mg/L	0.0056	ppm
2	Cu 324.754	3205.5	-126.7	-0.0005	mg/L	-0.0005	ppm
2	Fe 273.955	1591.9	1233.0	0.0307	mg/L	0.0307	ppm
2	K 766.491	2331.6	786.2	0.1228	mg/L	0.1228	ppm
2	Mg 279.079	7306.8	3935.4	0.0977	mg/L	0.0977	ppm
2	Mn 257.610	3054.7	1721.5	0.0013	mg/L	0.0013	ppm
2	Mo 202.030	-172.4	-19.8	-0.0012	mg/L	-0.0012	ppm
2	Na 330.237	5470.4	821.6	1.075	mg/L	1.075	ppm
2	Ni 231.604	-309.2	101.0	0.0023	mg/L	0.0023	ppm
2	Pb 220.353	564.4	158.9	0.0098	mg/L	0.0098	ppm

2 Sb 206.833	84.6	4.4	0.0011	mg/L	0.0011 ppm
2 Se 196.026	132.1	17.3	0.0068	mg/L	0.0068 ppm
2 Tl 190.800	360.0	-8.2	-0.0022	mg/L	-0.0022 ppm
2 V 292.402	-441.8	-60.1	-0.0005	mg/L	-0.0005 ppm
2 Zn 213.856	-120.5	316.7	0.0032	mg/L	0.0032 ppm
3 Ag 328.068	1639.1	-136.7	-0.0008	mg/L	-0.0008 ppm
3 Al 308.215	5549.6	1964.9	0.0663	mg/L	0.0663 ppm
3 As 188.979	147.0	17.1	0.0057	mg/L	0.0057 ppm
3 Ba 233.527	-314.3	708.6	0.0019	mg/L	0.0019 ppm
3 Be 313.107	438.7	181.9	0.0001	mg/L	0.0001 ppm
3 Ca 227.547	678.1	21.2	0.1068	mg/L	0.1068 ppm
3 Cd 228.802	-11.9	-45.4	-0.0004	mg/L	-0.0004 ppm
3 Co 228.616	-570.7	-16.4	-0.0002	mg/L	-0.0002 ppm
3 Cr 267.716	534.3	459.0	0.0051	mg/L	0.0051 ppm
3 Cu 324.754	3288.9	-43.3	-0.0002	mg/L	-0.0002 ppm
3 Fe 273.955	1358.5	999.6	0.0249	mg/L	0.0249 ppm
3 K 766.491	1958.7	413.2	0.0998	mg/L	0.0998 ppm
3 Mg 279.079	7263.6	3892.3	0.0966	mg/L	0.0966 ppm
3 Mn 257.610	2910.6	1577.4	0.0012	mg/L	0.0012 ppm
3 Mo 202.030	-166.2	-13.5	-0.0008	mg/L	-0.0008 ppm
3 Na 330.237	5359.6	710.8	0.9083	mg/L	0.9083 ppm
3 Ni 231.604	-320.4	89.9	0.0021	mg/L	0.0021 ppm
3 Pb 220.353	538.5	132.9	0.0082	mg/L	0.0082 ppm
3 Sb 206.833	106.0	25.9	0.0067	mg/L	0.0067 ppm
3 Se 196.026	112.9	-1.9	-0.0007	mg/L	-0.0007 ppm
3 Tl 190.800	361.1	-7.0	-0.0019	mg/L	-0.0019 ppm
3 V 292.402	-490.0	-108.3	-0.0010	mg/L	-0.0010 ppm
3 Zn 213.856	-132.5	304.7	0.0031	mg/L	0.0031 ppm

ean Data ----------

D: 3205-2 F=1 Seq. No.: 47 Sample No.: 30 A/S Pos: 39
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:29:44 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	-122.4	-0.0007	0.00025	mg/L	-0.0007	0.00025	ppm	35.78%
l 308.215	2039.1	0.0688	0.00500	mg/L	0.0688	0.00500	ppm	7.26%
s 188.979	8.9	0.0030	0.00270	mg/L	0.0030	0.00270	ppm	91.16%
a 233.527	758.0	0.0020	0.00020	mg/L	0.0020	0.00020	ppm	10.00%
e 313.107	111.7	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	54.70%
a 227.547	19.5	0.0981	0.03438	mg/L	0.0981	0.03438	ppm	35.06%
d 228.802	-55.8	-0.0005	0.00008	mg/L	-0.0005	0.00008	ppm	16.35%
o 228.616	0.5	0.0000	0.00025	mg/L	0.0000	0.00025	ppm	>999.9%
r 267.716	481.1	0.0053	0.00026	mg/L	0.0053	0.00026	ppm	4.86%
u 324.754	-47.7	-0.0002	0.00031	mg/L	-0.0002	0.00031	ppm	161.01%
e 273.955	1082.9	0.0270	0.00325	mg/L	0.0270	0.00325	ppm	12.03%
766.491	710.0	0.1181	0.01650	mg/L	0.1181	0.01650	ppm	13.97%
g 279.079	3817.0	0.0947	0.00420	mg/L	0.0947	0.00420	ppm	4.43%
n 257.610	1611.4	0.0013	0.00008	mg/L	0.0013	0.00008	ppm	6.05%
o 202.030	-16.9	-0.0010	0.00019	mg/L	-0.0010	0.00019	ppm	18.83%
a 330.237	778.4	1.010	0.0891	mg/L	1.010	0.0891	ppm	8.83%
i 231.604	98.3	0.0022	0.00017	mg/L	0.0022	0.00017	ppm	7.48%
o 220.353	143.8	0.0089	0.00083	mg/L	0.0089	0.00083	ppm	9.37%
o 206.833	17.0	0.0044	0.00290	mg/L	0.0044	0.00290	ppm	65.77%
e 196.026	12.8	0.0051	0.00514	mg/L	0.0051	0.00514	ppm	101.66%
. 190.800	-6.4	-0.0018	0.00057	mg/L	-0.0018	0.00057	ppm	32.48%
292.402	-40.0	-0.0004	0.00072	mg/L	-0.0004	0.00072	ppm	200.90%
n 213.856	306.0	0.0031	0.00010	mg/L	0.0031	0.00010	ppm	3.30%

eplicate Data ----------

D: 3205-3 F=1 Date: 5/19/03 1:33:09 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1930.1	154.3	0.0009	mg/L	0.0009	ppm
1	Al 308.215	5625.2	2040.5	0.0688	mg/L	0.0688	ppm
1	As 188.979	131.1	1.2	0.0017	mg/L	0.0017	ppm
1	Ba 233.527	13438.4	14461.2	0.0380	mg/L	0.0380	ppm
1	Be 313.107	333.4	76.6	0.0000	mg/L	0.0000	ppm

1	Ca 227.547	9213.5	8556.7	43.06	mg/L	43.06 ppm
1	Cd 228.802	-8.6	-42.1	-0.0004	mg/L	-0.0004 ppm
1	Co 228.616	-597.8	-43.5	-0.0005	mg/L	-0.0005 ppm
1	Cr 267.716	1056.2	980.9	0.0109	mg/L	0.0109 ppm
1	Cu 324.754	3510.8	178.6	0.0007	mg/L	0.0007 ppm
1	Fe 273.955	4889.1	4530.1	0.1129	mg/L	0.1129 ppm
1	K 766.491	31284.7	29739.3	1.889	mg/L	1.889 ppm
1	Mg 279.079	604518.9	601147.6	14.92	mg/L	14.92 ppm
1	Mn 257.610	10702.3	9369.1	0.0073	mg/L	0.0073 ppm
1	Mo 202.030	-125.9	26.8	0.0016	mg/L	0.0016 ppm
1	Na 330.237	13628.4	8979.6	13.34	mg/L	13.34 ppm
1	Ni 231.604	-161.4	248.9	0.0057	mg/L	0.0057 ppm
1	Pb 220.353	439.5	33.9	0.0021	mg/L	0.0021 ppm
1	Sb 206.833	103.3	23.1	0.0060	mg/L	0.0060 ppm
1	Se 196.026	137.6	22.8	0.0090	mg/L	0.0090 ppm
1	Tl 190.800	357.5	-10.6	-0.0029	mg/L	-0.0029 ppm
1	V 292.402	-164.6	217.1	0.0019	mg/L	0.0019 ppm
1	Zn 213.856	965.8	1403.0	0.0141	mg/L	0.0141 ppm
2	Ag 328.068	1902.1	126.3	0.0007	mg/L	0.0007 ppm
2	Al 308.215	5556.7	1972.0	0.0665	mg/L	0.0665 ppm
2	As 188.979	129.3	-0.7	0.0012	mg/L	0.0012 ppm
2	Ba 233.527	13778.6	14801.5	0.0389	mg/L	0.0389 ppm
2	Be 313.107	341.6	84.8	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	9546.1	8889.3	44.73	mg/L	44.73 ppm
2	Cd 228.802	8.0	-25.4	-0.0002	mg/L	-0.0002 ppm
2	Co 228.616	-605.5	-51.2	-0.0006	mg/L	-0.0006 ppm
2	Cr 267.716	1045.9	970.6	0.0108	mg/L	0.0108 ppm
2	Cu 324.754	3393.1	60.8	0.0002	mg/L	0.0002 ppm
2	Fe 273.955	5159.5	4800.6	0.1196	mg/L	0.1196 ppm
2	K 766.491	32449.0	30903.5	1.959	mg/L	1.959 ppm
2	Mg 279.079	623413.1	620041.8	15.39	mg/L	15.39 ppm
2	Mn 257.610	10729.5	9396.3	0.0073	mg/L	0.0073 ppm
2	Mo 202.030	-126.7	26.0	0.0016	mg/L	0.0016 ppm
2	Na 330.237	13835.3	9186.5	13.65	mg/L	13.65 ppm
2	Ni 231.604	-194.2	216.1	0.0049	mg/L	0.0049 ppm
2	Pb 220.353	435.5	29.9	0.0018	mg/L	0.0018 ppm
2	Sb 206.833	101.2	21.0	0.0054	mg/L	0.0054 ppm
2	Se 196.026	129.7	14.9	0.0058	mg/L	0.0058 ppm
2	Tl 190.800	354.6	-13.5	-0.0037	mg/L	-0.0037 ppm
2	V 292.402	-365.7	16.0	0.0001	mg/L	0.0001 ppm
2	Zn 213.856	983.7	1420.9	0.0142	mg/L	0.0142 ppm
3	Ag 328.068	1705.2	-70.6	-0.0004	mg/L	-0.0004 ppm
3	Al 308.215	5364.8	1780.1	0.0600	mg/L	0.0600 ppm
3	As 188.979	136.0	6.0	0.0034	mg/L	0.0034 ppm
3	Ba 233.527	13058.7	14081.6	0.0370	mg/L	0.0370 ppm
3	Be 313.107	214.5	-42.2	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	9177.8	8520.9	42.88	mg/L	42.88 ppm
3	Cd 228.802	-12.3	-45.8	-0.0004	mg/L	-0.0004 ppm
3	Co 228.616	-594.0	-39.8	-0.0004	mg/L	-0.0004 ppm
3	Cr 267.716	1045.9	970.7	0.0108	mg/L	0.0108 ppm
3	Cu 324.754	3430.4	98.1	0.0004	mg/L	0.0004 ppm
3	Fe 273.955	4831.5	4472.6	0.1114	mg/L	0.1114 ppm
3	K 766.491	30771.5	29226.1	1.858	mg/L	1.858 ppm
3	Mg 279.079	599540.7	596169.4	14.80	mg/L	14.80 ppm
3	Mn 257.610	10241.2	8908.0	0.0070	mg/L	0.0070 ppm
3	Mo 202.030	-135.7	17.0	0.0010	mg/L	0.0010 ppm
3	Na 330.237	13680.8	9031.9	13.42	mg/L	13.42 ppm
3	Ni 231.604	-157.2	253.1	0.0058	mg/L	0.0058 ppm
3	Pb 220.353	438.5	33.0	0.0020	mg/L	0.0020 ppm
3	Sb 206.833	95.7	15.5	0.0040	mg/L	0.0040 ppm
3	Se 196.026	131.3	16.5	0.0065	mg/L	0.0065 ppm
3	Tl 190.800	360.4	-7.7	-0.0021	mg/L	-0.0021 ppm
3	V 292.402	-197.8	183.9	0.0016	mg/L	0.0016 ppm
3	Zn 213.856	994.2	1431.4	0.0143	mg/L	0.0143 ppm

ean Data ----------

): 3205-3 F=1 Seq. No.: 48 Sample No.: 31 A/S Pos: 40

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

Data: Original Date: 5/19/03 1:33:09 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	70.0	0.0004	0.00071	mg/L	0.0004	0.00071	ppm	175.06%
l 308.215	1930.9	0.0651	0.00455	mg/L	0.0651	0.00455	ppm	6.99%
s 188.979	2.2	0.0021	0.00113	mg/L	0.0021	0.00113	ppm	54.06%
a 233.527	14448.1	0.0380	0.00095	mg/L	0.0380	0.00095	ppm	2.49%
e 313.107	39.7	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	178.92%
a 227.547	8655.6	43.56	1.022	mg/L	43.56	1.022	ppm	2.35%
d 228.802	-37.8	-0.0003	0.00010	mg/L	-0.0003	0.00010	ppm	28.67%
o 228.616	-44.8	-0.0005	0.00006	mg/L	-0.0005	0.00006	ppm	13.02%
r 267.716	974.1	0.0108	0.00007	mg/L	0.0108	0.00007	ppm	0.61%
u 324.754	112.5	0.0005	0.00024	mg/L	0.0005	0.00024	ppm	53.47%
e 273.955	4601.1	0.1146	0.00436	mg/L	0.1146	0.00436	ppm	3.81%
766.491	29956.3	1.902	0.0518	mg/L	1.902	0.0518	ppm	2.72%
g 279.079	605786.2	15.03	0.313	mg/L	15.03	0.313	ppm	2.08%
n 257.610	9224.4	0.0072	0.00021	mg/L	0.0072	0.00021	ppm	2.97%
o 202.030	23.2	0.0014	0.00033	mg/L	0.0014	0.00033	ppm	23.39%
a 330.237	9066.0	13.47	0.162	mg/L	13.47	0.162	ppm	1.20%
i 231.604	239.3	0.0055	0.00046	mg/L	0.0055	0.00046	ppm	8.46%
b 220.353	32.3	0.0020	0.00013	mg/L	0.0020	0.00013	ppm	6.47%
b 206.833	19.9	0.0051	0.00101	mg/L	0.0051	0.00101	ppm	19.63%
e 196.026	18.0	0.0071	0.00164	mg/L	0.0071	0.00164	ppm	23.11%
l 190.800	-10.6	-0.0029	0.00079	mg/L	-0.0029	0.00079	ppm	27.15%
292.402	139.0	0.0012	0.00096	mg/L	0.0012	0.00096	ppm	77.57%
n 213.856	1418.4	0.0142	0.00014	mg/L	0.0142	0.00014	ppm	1.01%

eplicate Data ----------
D: 3205-4 F=1 Date: 5/19/03 1:36:36 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1786.4	10.5	0.0001	mg/L	0.0001	ppm
1	Al 308.215	5543.9	1959.2	0.0661	mg/L	0.0661	ppm
1	As 188.979	142.5	12.6	0.0057	mg/L	0.0057	ppm
1	Ba 233.527	13077.6	14100.5	0.0371	mg/L	0.0371	ppm
1	Be 313.107	65.4	-191.4	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	10114.7	9457.9	47.59	mg/L	47.59	ppm
1	Cd 228.802	18.0	-15.5	-0.0001	mg/L	-0.0001	ppm
1	Co 228.616	-579.3	-25.1	-0.0003	mg/L	-0.0003	ppm
1	Cr 267.716	707.7	632.4	0.0070	mg/L	0.0070	ppm
1	Cu 324.754	4468.2	1136.0	0.0046	mg/L	0.0046	ppm
1	Fe 273.955	6482.3	6123.4	0.1525	mg/L	0.1525	ppm
1	K 766.491	34020.0	32474.6	2.054	mg/L	2.054	ppm
1	Mg 279.079	690395.3	687024.0	17.05	mg/L	17.05	ppm
1	Mn 257.610	3229.3	1896.1	0.0015	mg/L	0.0015	ppm
1	Mo 202.030	-39.1	113.6	0.0069	mg/L	0.0069	ppm
1	Na 330.237	15896.4	11247.6	16.76	mg/L	16.76	ppm
1	Ni 231.604	-254.5	155.8	0.0036	mg/L	0.0036	ppm
1	Pb 220.353	444.1	38.6	0.0024	mg/L	0.0024	ppm
1	Sb 206.833	102.7	22.5	0.0058	mg/L	0.0058	ppm
1	Se 196.026	116.7	1.9	0.0007	mg/L	0.0007	ppm
1	Tl 190.800	358.2	-10.0	-0.0027	mg/L	-0.0027	ppm
1	V 292.402	56.6	438.3	0.0039	mg/L	0.0039	ppm
1	Zn 213.856	443.7	881.0	0.0088	mg/L	0.0088	ppm
2	Ag 328.068	1794.7	18.9	0.0001	mg/L	0.0001	ppm
2	Al 308.215	5731.8	2147.1	0.0724	mg/L	0.0724	ppm
2	As 188.979	132.7	2.8	0.0024	mg/L	0.0024	ppm
2	Ba 233.527	12874.3	13897.2	0.0365	mg/L	0.0365	ppm
2	Be 313.107	105.2	-151.5	-0.0001	mg/L	-0.0001	ppm
2	Ca 227.547	10256.0	9599.2	48.31	mg/L	48.31	ppm
2	Cd 228.802	-10.5	-44.0	-0.0004	mg/L	-0.0004	ppm
2	Co 228.616	-610.0	-55.8	-0.0006	mg/L	-0.0006	ppm
2	Cr 267.716	700.7	625.4	0.0069	mg/L	0.0069	ppm
2	Cu 324.754	4446.7	1114.5	0.0045	mg/L	0.0045	ppm
2	Fe 273.955	6507.1	6148.2	0.1532	mg/L	0.1532	ppm
2	K 766.491	33434.2	31888.7	2.019	mg/L	2.019	ppm
2	Mg 279.079	691581.5	688210.2	17.08	mg/L	17.08	ppm
2	Mn 257.610	2987.4	1654.2	0.0013	mg/L	0.0013	ppm
2	Mo 202.030	-27.9	124.8	0.0076	mg/L	0.0076	ppm
2	Na 330.237	15840.6	11191.7	16.67	mg/L	16.67	ppm

2 Ni 231.604	-294.2	116.1	0.0026	mg/L	0.0026 ppm
2 Pb 220.353	468.9	63.4	0.0039	mg/L	0.0039 ppm
2 Sb 206.833	99.0	18.9	0.0049	mg/L	0.0049 ppm
2 Se 196.026	124.6	9.8	0.0038	mg/L	0.0038 ppm
2 Tl 190.800	374.1	5.9	0.0016	mg/L	0.0016 ppm
2 V 292.402	48.5	430.2	0.0038	mg/L	0.0038 ppm
2 Zn 213.856	479.1	916.4	0.0092	mg/L	0.0092 ppm
3 Ag 328.068	1717.4	-58.4	-0.0003	mg/L	-0.0003 ppm
3 Al 308.215	5866.0	2281.3	0.0770	mg/L	0.0770 ppm
3 As 188.979	131.2	1.3	0.0020	mg/L	0.0020 ppm
3 Ba 233.527	13423.0	14445.9	0.0380	mg/L	0.0380 ppm
3 Be 313.107	362.8	106.1	0.0000	mg/L	0.0000 ppm
3 Ca 227.547	10606.4	9949.6	50.07	mg/L	50.07 ppm
3 Cd 228.802	-17.4	-50.9	-0.0005	mg/L	-0.0005 ppm
3 Co 228.616	-615.0	-60.8	-0.0007	mg/L	-0.0007 ppm
3 Cr 267.716	671.6	596.4	0.0066	mg/L	0.0066 ppm
3 Cu 324.754	4426.2	1094.0	0.0044	mg/L	0.0044 ppm
3 Fe 273.955	6629.6	6270.7	0.1562	mg/L	0.1562 ppm
3 K 766.491	35097.1	33551.6	2.118	mg/L	2.118 ppm
3 Mg 279.079	710578.4	707207.1	17.55	mg/L	17.55 ppm
3 Mn 257.610	3082.0	1748.9	0.0014	mg/L	0.0014 ppm
3 Mo 202.030	-17.8	134.9	0.0082	mg/L	0.0082 ppm
3 Na 330.237	16210.4	11561.6	17.23	mg/L	17.23 ppm
3 Ni 231.604	-274.8	135.5	0.0031	mg/L	0.0031 ppm
3 Pb 220.353	449.7	44.2	0.0027	mg/L	0.0027 ppm
3 Sb 206.833	105.6	25.4	0.0066	mg/L	0.0066 ppm
3 Se 196.026	126.4	11.6	0.0046	mg/L	0.0046 ppm
3 Tl 190.800	366.2	-1.9	-0.0005	mg/L	-0.0005 ppm
3 V 292.402	-186.2	195.5	0.0017	mg/L	0.0017 ppm
3 Zn 213.856	478.8	916.0	0.0092	mg/L	0.0092 ppm

ean Data ----------

D: 3205-4 F=1 Seq. No.: 49 Sample No.: 32 A/S Pos: 41
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:36:36 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	-9.6	-0.0001	0.00024	mg/L	-0.0001	0.00024	ppm	439.71%
l 308.215	2129.2	0.0718	0.00546	mg/L	0.0718	0.00546	ppm	7.60%
s 188.979	5.6	0.0034	0.00202	mg/L	0.0034	0.00202	ppm	59.58%
a 233.527	14147.9	0.0372	0.00073	mg/L	0.0372	0.00073	ppm	1.96%
e 313.107	-78.9	0.0000	0.00007	mg/L	0.0000	0.00007	ppm	204.50%
a 227.547	9668.9	48.66	1.274	mg/L	48.66	1.274	ppm	2.62%
d 228.802	-36.8	-0.0003	0.00017	mg/L	-0.0003	0.00017	ppm	51.01%
o 228.616	-47.2	-0.0005	0.00021	mg/L	-0.0005	0.00021	ppm	41.00%
r 267.716	618.1	0.0069	0.00021	mg/L	0.0069	0.00021	ppm	3.09%
u 324.754	1114.8	0.0045	0.00008	mg/L	0.0045	0.00008	ppm	1.88%
e 273.955	6180.7	0.1540	0.00196	mg/L	0.1540	0.00196	ppm	1.28%
766.491	32638.3	2.064	0.0507	mg/L	2.064	0.0507	ppm	2.46%
g 279.079	694147.1	17.23	0.281	mg/L	17.23	0.281	ppm	1.63%
n 257.610	1766.4	0.0014	0.00010	mg/L	0.0014	0.00010	ppm	6.90%
o 202.030	124.4	0.0076	0.00065	mg/L	0.0076	0.00065	ppm	8.55%
a 330.237	11333.6	16.89	0.300	mg/L	16.89	0.300	ppm	1.78%
i 231.604	135.8	0.0031	0.00045	mg/L	0.0031	0.00045	ppm	14.62%
o 220.353	48.7	0.0030	0.00080	mg/L	0.0030	0.00080	ppm	26.72%
o 206.833	22.3	0.0058	0.00085	mg/L	0.0058	0.00085	ppm	14.69%
e 196.026	7.7	0.0030	0.00203	mg/L	0.0030	0.00203	ppm	66.68%
l 190.800	-2.0	-0.0005	0.00219	mg/L	-0.0005	0.00219	ppm	401.11%
292.402	354.7	0.0032	0.00123	mg/L	0.0032	0.00123	ppm	38.88%
n 213.856	904.4	0.0091	0.00020	mg/L	0.0091	0.00020	ppm	2.25%

eplicate Data ----------

D: 3205-5 F=1 Date: 5/19/03 1:40:03 PM

epl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1 Ag 328.068	1760.1	-15.7	-0.0001	mg/L	-0.0001	ppm
1 Al 308.215	5419.2	1834.6	0.0619	mg/L	0.0619	ppm
1 As 188.979	136.5	6.5	0.0042	mg/L	0.0042	ppm

1	Ba 233.527	19598.7	20621.6	0.0542	mg/L	0.0542 ppm
1	Be 313.107	124.3	-132.5	-0.0001	mg/L	-0.0001 ppm
1	Ca 227.547	13719.9	13063.1	65.74	mg/L	65.74 ppm
1	Cd 228.802	-24.6	-58.1	-0.0005	mg/L	-0.0005 ppm
1	Co 228.616	-584.3	-30.1	-0.0003	mg/L	-0.0003 ppm
1	Cr 267.716	1011.6	936.3	0.0104	mg/L	0.0104 ppm
1	Cu 324.754	3382.7	50.5	0.0002	mg/L	0.0002 ppm
1	Fe 273.955	2425.4	2066.4	0.0515	mg/L	0.0515 ppm
1	K 766.491	41987.1	40441.6	2.531	mg/L	2.531 ppm
1	Mg 279.079	815269.4	811898.1	20.15	mg/L	20.15 ppm
1	Mn 257.610	9728.6	8395.4	0.0066	mg/L	0.0066 ppm
1	Mo 202.030	-44.5	108.2	0.0066	mg/L	0.0066 ppm
1	Na 330.237	18404.9	13756.1	20.54	mg/L	20.54 ppm
1	Ni 231.604	-194.2	216.1	0.0049	mg/L	0.0049 ppm
1	Pb 220.353	418.7	13.2	0.0008	mg/L	0.0008 ppm
1	Sb 206.833	105.5	25.3	0.0066	mg/L	0.0066 ppm
1	Se 196.026	126.9	12.1	0.0047	mg/L	0.0047 ppm
1	Tl 190.800	366.4	-1.7	-0.0005	mg/L	-0.0005 ppm
1	V 292.402	27.0	408.7	0.0036	mg/L	0.0036 ppm
1	Zn 213.856	710.5	1147.7	0.0115	mg/L	0.0115 ppm
2	Ag 328.068	1790.8	15.0	0.0001	mg/L	0.0001 ppm
2	Al 308.215	5589.3	2004.6	0.0676	mg/L	0.0676 ppm
2	As 188.979	142.9	13.0	0.0064	mg/L	0.0064 ppm
2	Ba 233.527	19316.2	20339.1	0.0535	mg/L	0.0535 ppm
2	Be 313.107	148.1	-108.7	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	13460.6	12803.8	64.43	mg/L	64.43 ppm
2	Cd 228.802	-18.2	-51.6	-0.0005	mg/L	-0.0005 ppm
2	Co 228.616	-600.1	-45.8	-0.0005	mg/L	-0.0005 ppm
2	Cr 267.716	968.0	892.8	0.0099	mg/L	0.0099 ppm
2	Cu 324.754	3352.3	20.0	0.0001	mg/L	0.0001 ppm
2	Fe 273.955	2288.5	1929.6	0.0481	mg/L	0.0481 ppm
2	K 766.491	41451.7	39906.3	2.499	mg/L	2.499 ppm
2	Mg 279.079	805166.6	801795.3	19.90	mg/L	19.90 ppm
2	Mn 257.610	9554.0	8220.8	0.0064	mg/L	0.0064 ppm
2	Mo 202.030	-38.2	114.5	0.0070	mg/L	0.0070 ppm
2	Na 330.237	18079.0	13430.2	20.04	mg/L	20.04 ppm
2	Ni 231.604	-224.9	185.4	0.0042	mg/L	0.0042 ppm
2	Pb 220.353	443.7	38.2	0.0024	mg/L	0.0024 ppm
2	Sb 206.833	110.1	29.9	0.0077	mg/L	0.0077 ppm
2	Se 196.026	124.5	9.7	0.0038	mg/L	0.0038 ppm
2	Tl 190.800	362.3	-5.9	-0.0016	mg/L	-0.0016 ppm
2	V 292.402	74.5	456.2	0.0041	mg/L	0.0041 ppm
2	Zn 213.856	701.9	1139.1	0.0114	mg/L	0.0114 ppm
3	Ag 328.068	1922.6	146.8	0.0008	mg/L	0.0008 ppm
3	Al 308.215	5587.5	2002.8	0.0676	mg/L	0.0676 ppm
3	As 188.979	132.6	2.7	0.0029	mg/L	0.0029 ppm
3	Ba 233.527	19174.8	20197.7	0.0531	mg/L	0.0531 ppm
3	Be 313.107	215.1	-41.7	0.0000	mg/L	0.0000 ppm
3	Ca 227.547	13551.8	12894.9	64.89	mg/L	64.89 ppm
3	Cd 228.802	-11.1	-44.5	-0.0004	mg/L	-0.0004 ppm
3	Co 228.616	-594.3	-40.0	-0.0004	mg/L	-0.0004 ppm
3	Cr 267.716	1001.1	925.9	0.0103	mg/L	0.0103 ppm
3	Cu 324.754	3033.2	-299.0	-0.0012	mg/L	-0.0012 ppm
3	Fe 273.955	2172.6	1813.7	0.0452	mg/L	0.0452 ppm
3	K 766.491	40621.4	39076.0	2.449	mg/L	2.449 ppm
3	Mg 279.079	800447.7	797076.4	19.78	mg/L	19.78 ppm
3	Mn 257.610	9422.2	8089.1	0.0063	mg/L	0.0063 ppm
3	Mo 202.030	-34.4	118.2	0.0072	mg/L	0.0072 ppm
3	Na 330.237	17668.7	13019.9	19.43	mg/L	19.43 ppm
3	Ni 231.604	-211.9	198.4	0.0045	mg/L	0.0045 ppm
3	Pb 220.353	407.1	1.6	0.0001	mg/L	0.0001 ppm
3	Sb 206.833	102.9	22.7	0.0059	mg/L	0.0059 ppm
3	Se 196.026	121.2	6.4	0.0025	mg/L	0.0025 ppm
3	Tl 190.800	358.9	-9.2	-0.0025	mg/L	-0.0025 ppm
3	V 292.402	-23.1	358.6	0.0032	mg/L	0.0032 ppm
3	Zn 213.856	734.7	1171.9	0.0117	mg/L	0.0117 ppm

an Data ----------

): 3205-5 F=1 Seq. No.: 50 Sample No.: 33 A/S Pos: 42

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

Data: Original Date: 5/19/03 1:40:03 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	48.7	0.0003	0.00050	mg/L	0.0003	0.00050	ppm	177.39%
l 308.215	1947.3	0.0657	0.00329	mg/L	0.0657	0.00329	ppm	5.02%
s 188.979	7.4	0.0045	0.00173	mg/L	0.0045	0.00173	ppm	38.40%
a 233.527	20386.2	0.0536	0.00057	mg/L	0.0536	0.00057	ppm	1.06%
e 313.107	-94.3	0.0000	0.00002	mg/L	0.0000	0.00002	ppm	49.93%
a 227.547	12920.6	65.02	0.662	mg/L	65.02	0.662	ppm	1.02%
d 228.802	-51.4	-0.0005	0.00006	mg/L	-0.0005	0.00006	ppm	13.19%
o 228.616	-38.7	-0.0004	0.00009	mg/L	-0.0004	0.00009	ppm	20.61%
r 267.716	918.3	0.0102	0.00025	mg/L	0.0102	0.00025	ppm	2.48%
u 324.754	-76.2	-0.0003	0.00078	mg/L	-0.0003	0.00078	ppm	254.13%
e 273.955	1936.6	0.0482	0.00315	mg/L	0.0482	0.00315	ppm	6.53%
. 766.491	39807.9	2.493	0.0411	mg/L	2.493	0.0411	ppm	1.65%
g 279.079	803589.9	19.94	0.188	mg/L	19.94	0.188	ppm	0.94%
n 257.610	8235.1	0.0064	0.00012	mg/L	0.0064	0.00012	ppm	1.87%
o 202.030	113.6	0.0069	0.00031	mg/L	0.0069	0.00031	ppm	4.45%
a 330.237	13402.0	20.00	0.556	mg/L	20.00	0.556	ppm	2.78%
i 231.604	200.0	0.0046	0.00035	mg/L	0.0046	0.00035	ppm	7.71%
b 220.353	17.6	0.0011	0.00115	mg/L	0.0011	0.00115	ppm	105.96%
b 206.833	26.0	0.0067	0.00094	mg/L	0.0067	0.00094	ppm	14.03%
e 196.026	9.4	0.0037	0.00111	mg/L	0.0037	0.00111	ppm	30.16%
l 190.800	-5.6	-0.0015	0.00103	mg/L	-0.0015	0.00103	ppm	67.28%
292.402	407.8	0.0036	0.00044	mg/L	0.0036	0.00044	ppm	11.98%
n 213.856	1152.9	0.0116	0.00017	mg/L	0.0116	0.00017	ppm	1.47%

eplicate Data

D: 3205-6 F=1 Date: 5/19/03 1:43:31 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1758.2	-17.6	-0.0001	mg/L	-0.0001	ppm
1	Al 308.215	4922.5	1337.8	0.0451	mg/L	0.0451	ppm
1	As 188.979	141.5	11.5	0.0050	mg/L	0.0050	ppm
1	Ba 233.527	17565.6	18588.5	0.0489	mg/L	0.0489	ppm
1	Be 313.107	68.1	-188.6	-0.0001	mg/L	-0.0001	ppm
1	Ca 227.547	8026.3	7369.5	37.09	mg/L	37.09	ppm
1	Cd 228.802	-16.8	-50.3	-0.0004	mg/L	-0.0004	ppm
1	Co 228.616	-606.3	-52.1	-0.0006	mg/L	-0.0006	ppm
1	Cr 267.716	597.0	521.7	0.0058	mg/L	0.0058	ppm
1	Cu 324.754	2506.8	-825.4	-0.0033	mg/L	-0.0033	ppm
1	Fe 273.955	6131.0	5772.1	0.1438	mg/L	0.1438	ppm
1	K 766.491	26176.2	24630.8	1.581	mg/L	1.581	ppm
1	Mg 279.079	550295.8	546924.5	13.57	mg/L	13.57	ppm
1	Mn 257.610	4955.6	3622.4	0.0028	mg/L	0.0028	ppm
1	Mo 202.030	3.6	156.3	0.0095	mg/L	0.0095	ppm
1	Na 330.237	20804.5	16155.7	24.15	mg/L	24.15	ppm
1	Ni 231.604	-337.4	72.9	0.0017	mg/L	0.0017	ppm
1	Pb 220.353	456.0	50.4	0.0031	mg/L	0.0031	ppm
1	Sb 206.833	117.7	37.6	0.0097	mg/L	0.0097	ppm
1	Se 196.026	133.7	18.9	0.0074	mg/L	0.0074	ppm
1	Tl 190.800	357.9	-10.2	-0.0028	mg/L	-0.0028	ppm
1	V 292.402	54.3	436.0	0.0039	mg/L	0.0039	ppm
1	Zn 213.856	1571.2	2008.4	0.0201	mg/L	0.0201	ppm
2	Ag 328.068	1778.9	3.0	0.0000	mg/L	0.0000	ppm
2	Al 308.215	5005.8	1421.1	0.0479	mg/L	0.0479	ppm
2	As 188.979	141.5	11.6	0.0051	mg/L	0.0051	ppm
2	Ba 233.527	18114.8	19137.7	0.0503	mg/L	0.0503	ppm
2	Be 313.107	124.8	-132.0	-0.0001	mg/L	-0.0001	ppm
2	Ca 227.547	8285.5	7628.7	38.39	mg/L	38.39	ppm
2	Cd 228.802	-43.8	-77.2	-0.0007	mg/L	-0.0007	ppm
2	Co 228.616	-599.7	-45.4	-0.0005	mg/L	-0.0005	ppm
2	Cr 267.716	579.7	504.5	0.0056	mg/L	0.0056	ppm
2	Cu 324.754	2739.2	-593.0	-0.0024	mg/L	-0.0024	ppm
2	Fe 273.955	6450.7	6091.7	0.1518	mg/L	0.1518	ppm
2	K 766.491	26941.2	25395.8	1.627	mg/L	1.627	ppm
2	Mg 279.079	562201.7	558830.4	13.87	mg/L	13.87	ppm
2	Mn 257.610	4875.5	3542.3	0.0028	mg/L	0.0028	ppm

2	Mo 202.030	-13.2	139.4	0.0085 mg/L	0.0085 ppm
2	Na 330.237	21446.1	16797.3	25.12 mg/L	25.12 ppm
2	Ni 231.604	-344.3	66.0	0.0015 mg/L	0.0015 ppm
2	Pb 220.353	436.8	31.3	0.0019 mg/L	0.0019 ppm
2	Sb 206.833	111.5	31.3	0.0081 mg/L	0.0081 ppm
2	Se 196.026	138.2	23.4	0.0092 mg/L	0.0092 ppm
2	Tl 190.800	356.2	-12.0	-0.0033 mg/L	-0.0033 ppm
2	V 292.402	75.5	457.2	0.0041 mg/L	0.0041 ppm
2	Zn 213.856	1566.9	2004.1	0.0201 mg/L	0.0201 ppm
3	Ag 328.068	1801.4	25.6	0.0001 mg/L	0.0001 ppm
3	Al 308.215	5019.6	1435.0	0.0484 mg/L	0.0484 ppm
3	As 188.979	140.9	10.9	0.0049 mg/L	0.0049 ppm
3	Ba 233.527	18008.6	19031.5	0.0500 mg/L	0.0500 ppm
3	Be 313.107	12.0	-244.8	-0.0001 mg/L	-0.0001 ppm
3	Ca 227.547	8517.9	7861.1	39.56 mg/L	39.56 ppm
3	Cd 228.802	-33.9	-67.3	-0.0006 mg/L	-0.0006 ppm
3	Co 228.616	-610.8	-56.6	-0.0006 mg/L	-0.0006 ppm
3	Cr 267.716	599.7	524.4	0.0058 mg/L	0.0058 ppm
3	Cu 324.754	2473.2	-859.0	-0.0034 mg/L	-0.0034 ppm
3	Fe 273.955	6306.1	5947.1	0.1482 mg/L	0.1482 ppm
3	K 766.491	27225.3	25679.9	1.644 mg/L	1.644 ppm
3	Mg 279.079	565538.2	562166.9	13.95 mg/L	13.95 ppm
3	Mn 257.610	4990.2	3657.0	0.0029 mg/L	0.0029 ppm
3	Mo 202.030	-5.4	147.3	0.0090 mg/L	0.0090 ppm
3	Na 330.237	21597.0	16948.1	25.34 mg/L	25.34 ppm
3	Ni 231.604	-365.2	45.1	0.0010 mg/L	0.0010 ppm
3	Pb 220.353	435.0	29.5	0.0018 mg/L	0.0018 ppm
3	Sb 206.833	112.0	31.9	0.0082 mg/L	0.0082 ppm
3	Se 196.026	125.2	10.4	0.0041 mg/L	0.0041 ppm
3	Tl 190.800	358.0	-10.1	-0.0028 mg/L	-0.0028 ppm
3	V 292.402	-25.0	356.7	0.0032 mg/L	0.0032 ppm
3	Zn 213.856	1543.6	1980.9	0.0199 mg/L	0.0199 ppm

ean Data ----------

D: 3205-6 F=1 Seq. No.: 51 Sample No.: 34 A/S Pos: 43

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

Data: Original Date: 5/19/03 1:43:31 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	3.7	0.0000	0.00012	mg/L	0.0000	0.00012	ppm	587.54%
l 308.215	1398.0	0.0472	0.00177	mg/L	0.0472	0.00177	ppm	3.76%
s 188.979	11.3	0.0050	0.00010	mg/L	0.0050	0.00010	ppm	1.91%
a 233.527	18919.2	0.0497	0.00077	mg/L	0.0497	0.00077	ppm	1.54%
e 313.107	-188.5	-0.0001	0.00002	mg/L	-0.0001	0.00002	ppm	29.92%
a 227.547	7619.8	38.34	1.238	mg/L	38.34	1.238	ppm	3.23%
d 228.802	-64.9	-0.0006	0.00012	mg/L	-0.0006	0.00012	ppm	21.01%
o 228.616	-51.4	-0.0006	0.00006	mg/L	-0.0006	0.00006	ppm	10.93%
r 267.716	516.9	0.0057	0.00012	mg/L	0.0057	0.00012	ppm	2.09%
u 324.754	-759.2	-0.0030	0.00058	mg/L	-0.0030	0.00058	ppm	19.08%
e 273.955	5937.0	0.1479	0.00399	mg/L	0.1479	0.00399	ppm	2.70%
766.491	25235.5	1.617	0.0328	mg/L	1.617	0.0328	ppm	2.03%
g 279.079	555973.9	13.80	0.199	mg/L	13.80	0.199	ppm	1.44%
n 257.610	3607.2	0.0028	0.00005	mg/L	0.0028	0.00005	ppm	1.63%
o 202.030	147.7	0.0090	0.00052	mg/L	0.0090	0.00052	ppm	5.72%
a 330.237	16633.7	24.87	0.634	mg/L	24.87	0.634	ppm	2.55%
i 231.604	61.3	0.0014	0.00033	mg/L	0.0014	0.00033	ppm	23.55%
b 220.353	37.1	0.0023	0.00072	mg/L	0.0023	0.00072	ppm	31.34%
b 206.833	33.6	0.0087	0.00089	mg/L	0.0087	0.00089	ppm	10.29%
e 196.026	17.6	0.0069	0.00258	mg/L	0.0069	0.00258	ppm	37.36%
. 190.800	-10.8	-0.0030	0.00029	mg/L	-0.0030	0.00029	ppm	9.72%
292.402	416.6	0.0037	0.00047	mg/L	0.0037	0.00047	ppm	12.71%
n 213.856	1997.8	0.0200	0.00015	mg/L	0.0200	0.00015	ppm	0.74%

plicate Data ----------

D: 3205-7 F=1 Date: 5/19/03 1:46:59 PM

pl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	1698.7	-77.1	-0.0004	mg/L	-0.0004	ppm

1	Al 308.215	6057.1	2472.4	0.0834	mg/L	0.0834 ppm
1	As 188.979	133.1	3.1	0.0011	mg/L	0.0011 ppm
1	Ba 233.527	20571.4	21594.3	0.0568	mg/L	0.0568 ppm
1	Be 313.107	-45.7	-302.5	-0.0001	mg/L	-0.0001 ppm
1	Ca 227.547	2302.8	1646.0	8.283	mg/L	8.283 ppm
1	Cd 228.802	0.9	-32.5	-0.0003	mg/L	-0.0003 ppm
1	Co 228.616	-618.3	-64.1	-0.0007	mg/L	-0.0007 ppm
1	Cr 267.716	1417.5	1342.2	0.0149	mg/L	0.0149 ppm
1	Cu 324.754	3432.5	100.3	0.0004	mg/L	0.0004 ppm
1	Fe 273.955	7790.4	7431.4	0.1851	mg/L	0.1851 ppm
1	K 766.491	24870.1	23324.7	1.502	mg/L	1.502 ppm
1	Mg 279.079	193069.6	189698.3	4.708	mg/L	4.708 ppm
1	Mn 257.610	7805.4	6472.2	0.0051	mg/L	0.0051 ppm
1	Mo 202.030	71.7	224.3	0.0137	mg/L	0.0137 ppm
1	Na 330.237	35740.8	31092.0	46.69	mg/L	46.69 ppm
1	Ni 231.604	-12.0	398.3	0.0091	mg/L	0.0091 ppm
1	Pb 220.353	437.8	32.3	0.0020	mg/L	0.0020 ppm
1	Sb 206.833	103.3	23.1	0.0060	mg/L	0.0060 ppm
1	Se 196.026	125.9	11.1	0.0044	mg/L	0.0044 ppm
1	Tl 190.800	366.5	-1.6	-0.0005	mg/L	-0.0005 ppm
1	V 292.402	-465.2	-83.5	-0.0007	mg/L	-0.0007 ppm
1	Zn 213.856	369.7	806.9	0.0081	mg/L	0.0081 ppm
2	Ag 328.068	1622.8	-153.0	-0.0009	mg/L	-0.0009 ppm
2	Al 308.215	5866.6	2281.9	0.0770	mg/L	0.0770 ppm
2	As 188.979	134.0	4.0	0.0014	mg/L	0.0014 ppm
2	Ba 233.527	20028.8	21051.7	0.0553	mg/L	0.0553 ppm
2	Be 313.107	150.5	-106.3	0.0000	mg/L	0.0000 ppm
2	Ca 227.547	2313.2	1656.4	8.335	mg/L	8.335 ppm
2	Cd 228.802	-31.9	-65.4	-0.0006	mg/L	-0.0006 ppm
2	Co 228.616	-631.1	-76.9	-0.0008	mg/L	-0.0008 ppm
2	Cr 267.716	1423.0	1347.7	0.0149	mg/L	0.0149 ppm
2	Cu 324.754	3328.6	-3.6	0.0000	mg/L	0.0000 ppm
2	Fe 273.955	7628.3	7269.3	0.1811	mg/L	0.1811 ppm
2	K 766.491	24569.7	23024.2	1.484	mg/L	1.484 ppm
2	Mg 279.079	191192.2	187820.9	4.661	mg/L	4.661 ppm
2	Mn 257.610	7550.6	6217.4	0.0049	mg/L	0.0049 ppm
2	Mo 202.030	75.3	228.0	0.0139	mg/L	0.0139 ppm
2	Na 330.237	35110.1	30461.2	45.74	mg/L	45.74 ppm
2	Ni 231.604	-38.4	371.9	0.0085	mg/L	0.0085 ppm
2	Pb 220.353	437.6	32.1	0.0020	mg/L	0.0020 ppm
2	Sb 206.833	107.6	27.4	0.0071	mg/L	0.0071 ppm
2	Se 196.026	122.1	7.3	0.0029	mg/L	0.0029 ppm
2	Tl 190.800	354.2	-14.0	-0.0038	mg/L	-0.0038 ppm
2	V 292.402	-303.1	78.6	0.0007	mg/L	0.0007 ppm
2	Zn 213.856	353.4	790.6	0.0079	mg/L	0.0079 ppm
3	Ag 328.068	1733.5	-42.3	-0.0002	mg/L	-0.0002 ppm
3	Al 308.215	6127.7	2543.0	0.0858	mg/L	0.0858 ppm
3	As 188.979	146.8	16.9	0.0057	mg/L	0.0057 ppm
3	Ba 233.527	20489.3	21512.2	0.0565	mg/L	0.0565 ppm
3	Be 313.107	394.4	137.6	0.0001	mg/L	0.0001 ppm
3	Ca 227.547	2316.8	1660.0	8.354	mg/L	8.354 ppm
3	Cd 228.802	-9.7	-43.1	-0.0004	mg/L	-0.0004 ppm
3	Co 228.616	-630.9	-76.7	-0.0008	mg/L	-0.0008 ppm
3	Cr 267.716	1418.2	1342.9	0.0149	mg/L	0.0149 ppm
3	Cu 324.754	3383.8	51.5	0.0002	mg/L	0.0002 ppm
3	Fe 273.955	7752.6	7393.6	0.1842	mg/L	0.1842 ppm
3	K 766.491	25245.3	23699.8	1.524	mg/L	1.524 ppm
3	Mg 279.079	194436.1	191064.8	4.742	mg/L	4.742 ppm
3	Mn 257.610	7751.2	6418.0	0.0050	mg/L	0.0050 ppm
3	Mo 202.030	76.0	228.7	0.0140	mg/L	0.0140 ppm
3	Na 330.237	35543.9	30895.1	46.39	mg/L	46.39 ppm
3	Ni 231.604	-8.6	401.7	0.0092	mg/L	0.0092 ppm
3	Pb 220.353	445.3	39.7	0.0024	mg/L	0.0024 ppm
3	Sb 206.833	116.0	35.9	0.0093	mg/L	0.0093 ppm
3	Se 196.026	124.0	9.2	0.0036	mg/L	0.0036 ppm
3	Tl 190.800	359.8	-8.4	-0.0023	mg/L	-0.0023 ppm
3	V 292.402	-373.4	8.3	0.0001	mg/L	0.0001 ppm
3	Zn 213.856	357.5	794.8	0.0080	mg/L	0.0080 ppm

ean Data ----------

D: 3205-7 F=1 Seq. No.: 52 Sample No.: 35 A/S Pos: 44
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 1:46:59 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-90.8	-0.0005	0.00033	mg/L	-0.0005	0.00033	ppm	62.29%
l 308.215	2432.4	0.0821	0.00456	mg/L	0.0821	0.00456	ppm	5.55%
s 188.979	8.0	0.0027	0.00257	mg/L	0.0027	0.00257	ppm	95.79%
a 233.527	21386.1	0.0562	0.00077	mg/L	0.0562	0.00077	ppm	1.37%
e 313.107	-90.4	0.0000	0.00010	mg/L	0.0000	0.00010	ppm	243.92%
a 227.547	1654.1	8.324	0.0366	mg/L	8.324	0.0366	ppm	0.44%
d 228.802	-47.0	-0.0004	0.00015	mg/L	-0.0004	0.00015	ppm	35.65%
o 228.616	-72.5	-0.0008	0.00008	mg/L	-0.0008	0.00008	ppm	10.11%
r 267.716	1344.3	0.0149	0.00003	mg/L	0.0149	0.00003	ppm	0.22%
u 324.754	49.4	0.0002	0.00021	mg/L	0.0002	0.00021	ppm	105.23%
e 273.955	7364.8	0.1835	0.00211	mg/L	0.1835	0.00211	ppm	1.15%
766.491	23349.6	1.503	0.0205	mg/L	1.503	0.0205	ppm	1.36%
g 279.079	189528.0	4.704	0.0404	mg/L	4.704	0.0404	ppm	0.86%
n 257.610	6369.2	0.0050	0.00010	mg/L	0.0050	0.00010	ppm	2.11%
o 202.030	227.0	0.0139	0.00014	mg/L	0.0139	0.00014	ppm	1.04%
a 330.237	30816.1	46.27	0.488	mg/L	46.27	0.488	ppm	1.05%
i 231.604	390.6	0.0089	0.00037	mg/L	0.0089	0.00037	ppm	4.17%
b 220.353	34.7	0.0021	0.00027	mg/L	0.0021	0.00027	ppm	12.55%
b 206.833	28.8	0.0075	0.00169	mg/L	0.0075	0.00169	ppm	22.61%
e 196.026	9.2	0.0036	0.00074	mg/L	0.0036	0.00074	ppm	20.60%
l 190.800	-8.0	-0.0022	0.00169	mg/L	-0.0022	0.00169	ppm	77.14%
292.402	1.1	0.0000	0.00072	mg/L	0.0000	0.00072	ppm	>999.9%
n 213.856	797.4	0.0080	0.00008	mg/L	0.0080	0.00008	ppm	1.06%

eplicate Data
D: 3234-1 F=1 Date: 5/19/03 1:50:27 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	1812.2	36.4	0.0002	mg/L	0.0002	ppm
1	Al 308.215	5141.6	1556.9	0.0525	mg/L	0.0525	ppm
1	As 188.979	142.8	12.8	0.0056	mg/L	0.0056	ppm
1	Ba 233.527	6125.7	7148.6	0.0188	mg/L	0.0188	ppm
1	Be 313.107	203.8	-53.0	0.0000	mg/L	0.0000	ppm
1	Ca 227.547	8886.3	8229.4	41.41	mg/L	41.41	ppm
1	Cd 228.802	-23.5	-56.9	-0.0005	mg/L	-0.0005	ppm
1	Co 228.616	-610.1	-55.8	-0.0006	mg/L	-0.0006	ppm
1	Cr 267.716	159.6	84.3	0.0009	mg/L	0.0009	ppm
1	Cu 324.754	48785.1	45452.9	0.1822	mg/L	0.1822	ppm
1	Fe 273.955	192.8	-166.1	-0.0041	mg/L	-0.0041	ppm
1	K 766.491	37085.9	35540.4	2.238	mg/L	2.238	ppm
1	Mg 279.079	353400.2	350028.9	8.687	mg/L	8.687	ppm
1	Mn 257.610	2711.4	1378.2	0.0011	mg/L	0.0011	ppm
1	Mo 202.030	-88.2	64.5	0.0039	mg/L	0.0039	ppm
1	Na 330.237	9668.9	5020.1	7.386	mg/L	7.386	ppm
1	Ni 231.604	-468.9	-58.6	-0.0013	mg/L	-0.0013	ppm
1	Pb 220.353	464.6	59.1	0.0036	mg/L	0.0036	ppm
1	Sb 206.833	93.0	12.8	0.0033	mg/L	0.0033	ppm
1	Se 196.026	127.2	12.4	0.0049	mg/L	0.0049	ppm
1	Tl 190.800	360.8	-7.3	-0.0020	mg/L	-0.0020	ppm
1	V 292.402	-412.2	-30.6	-0.0003	mg/L	-0.0003	ppm
1	Zn 213.856	2279.8	2717.1	0.0272	mg/L	0.0272	ppm
2	Ag 328.068	1699.9	-75.9	-0.0004	mg/L	-0.0004	ppm
2	Al 308.215	5131.9	1547.2	0.0522	mg/L	0.0522	ppm
2	As 188.979	137.7	7.8	0.0040	mg/L	0.0040	ppm
2	Ba 233.527	6250.5	7273.3	0.0191	mg/L	0.0191	ppm
2	Be 313.107	252.7	-4.1	0.0000	mg/L	0.0000	ppm
2	Ca 227.547	9254.6	8597.7	43.27	mg/L	43.27	ppm
2	Cd 228.802	-20.7	-54.2	-0.0005	mg/L	-0.0005	ppm
2	Co 228.616	-609.1	-54.9	-0.0006	mg/L	-0.0006	ppm
2	Cr 267.716	175.4	100.1	0.0011	mg/L	0.0011	ppm
2	Cu 324.754	49916.4	46584.2	0.1868	mg/L	0.1868	ppm
2	Fe 273.955	336.1	-22.8	-0.0006	mg/L	-0.0006	ppm
2	K 766.491	38091.1	36545.7	2.298	mg/L	2.298	ppm

gp 5/19/03

computer down, restart and reanalysis.

ethod: 23ME ICP-M IEC: 03miecm.iec MSF:
esults: 03M1479M Spectra Stored: Yes Method Stored: Yes
ample Info: 03m1479m User: User1 Date: 5/19/03 2:08:08 PM
ethod Description: 6010B/200.7-23ME 5/15/03

eplicate Data
D: Calib Blank Date: 5/19/03 2:09:25 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Ag 328.068	3618.6	3618.6	0	mg/L
1	Al 308.215	4697.2	4697.2	0	mg/L
1	As 188.979	134.8	134.8	0	mg/L
1	Ba 233.527	507.8	507.8	0	mg/L
1	Be 313.107	1085.8	1085.8	0	mg/L
1	Ca 227.547	449.1	449.1	0	mg/L
1	Cd 228.802	46.6	46.6	0	mg/L
1	Co 228.616	-560.0	-560.0	0	mg/L
1	Cr 267.716	-169.6	-169.6	0	mg/L
1	Cu 324.754	3214.0	3214.0	0	mg/L
1	Fe 273.955	373.8	373.8	0	mg/L
1	K 766.491	-1183.2	-1183.2	0	mg/L
1	Mg 279.079	5817.5	5817.5	0	mg/L
1	Mn 257.610	1554.9	1554.9	0	mg/L
1	Mo 202.030	-465.4	-465.4	0	mg/L
1	Na 330.237	-694.4	-694.4	0	mg/L
1	Ni 231.604	-497.6	-497.6	0	mg/L
1	Pb 220.353	183.2	183.2	0	mg/L
1	Sb 206.833	110.2	110.2	0	mg/L
1	Se 196.026	645.8	645.8	0	mg/L
1	Tl 190.800	371.9	371.9	0	mg/L
1	V 292.402	-714.3	-714.3	0	mg/L
1	Zn 213.856	-165.8	-165.8	0	mg/L
2	Ag 328.068	3608.4	3608.4	0	mg/L
2	Al 308.215	4904.6	4904.6	0	mg/L
2	As 188.979	136.2	136.2	0	mg/L
2	Ba 233.527	636.3	636.3	0	mg/L
2	Be 313.107	962.3	962.3	0	mg/L
2	Ca 227.547	468.4	468.4	0	mg/L
2	Cd 228.802	72.7	72.7	0	mg/L
2	Co 228.616	-565.2	-565.2	0	mg/L
2	Cr 267.716	-178.2	-178.2	0	mg/L
2	Cu 324.754	2808.3	2808.3	0	mg/L
2	Fe 273.955	163.5	163.5	0	mg/L
2	K 766.491	-842.0	-842.0	0	mg/L
2	Mg 279.079	5336.3	5336.3	0	mg/L
2	Mn 257.610	1457.4	1457.4	0	mg/L
2	Mo 202.030	-478.4	-478.4	0	mg/L
2	Na 330.237	-689.2	-689.2	0	mg/L
2	Ni 231.604	-515.7	-515.7	0	mg/L
2	Pb 220.353	182.3	182.3	0	mg/L
2	Sb 206.833	124.4	124.4	0	mg/L
2	Se 196.026	647.5	647.5	0	mg/L
2	Tl 190.800	392.4	392.4	0	mg/L
2	V 292.402	-890.3	-890.3	0	mg/L
2	Zn 213.856	-195.9	-195.9	0	mg/L
3	Ag 328.068	3646.1	3646.1	0	mg/L
3	Al 308.215	5031.0	5031.0	0	mg/L
3	As 188.979	144.2	144.2	0	mg/L
3	Ba 233.527	536.2	536.2	0	mg/L
3	Be 313.107	1054.2	1054.2	0	mg/L
3	Ca 227.547	441.7	441.7	0	mg/L
3	Cd 228.802	57.9	57.9	0	mg/L
3	Co 228.616	-570.3	-570.3	0	mg/L
3	Cr 267.716	-170.1	-170.1	0	mg/L
3	Cu 324.754	3050.4	3050.4	0	mg/L
3	Fe 273.955	103.8	103.8	0	mg/L

3 K 766.491	-107.0	-107.0	0	mg/L
3 Mg 279.079	4817.9	4817.9	0	mg/L
3 Mn 257.610	1363.9	1363.9	0	mg/L
3 Mo 202.030	-471.7	-471.7	0	mg/L
3 Na 330.237	-1160.1	-1160.1	0	mg/L
3 Ni 231.604	-534.4	-534.4	0	mg/L
3 Pb 220.353	177.5	177.5	0	mg/L
3 Sb 206.833	107.9	107.9	0	mg/L
3 Se 196.026	653.1	653.1	0	mg/L
3 Tl 190.800	396.3	396.3	0	mg/L
3 V 292.402	-854.2	-854.2	0	mg/L
3 Zn 213.856	-180.2	-180.2	0	mg/L

ean Data ----------

D: Calib Blank Seq. No.: 1 A/S Pos: 1
Data: Original Date: 5/19/03 2:09:25 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
g 328.068	3624.4	19.47	0.54%	0	mg/L
l 308.215	4877.6	168.53	3.46%	0	mg/L
s 188.979	138.4	5.06	3.66%	0	mg/L
a 233.527	560.1	67.47	12.04%	0	mg/L
e 313.107	1034.1	64.16	6.20%	0	mg/L
a 227.547	453.1	13.81	3.05%	0	mg/L
d 228.802	59.1	13.08	22.14%	0	mg/L
o 228.616	-565.2	5.18	0.92%	0	mg/L
r 267.716	-172.7	4.84	2.81%	0	mg/L
u 324.754	3024.2	204.10	6.75%	0	mg/L
e 273.955	213.7	141.84	66.37%	0	mg/L
766.491	-710.7	550.00	77.39%	0	mg/L
g 279.079	5323.9	499.92	9.39%	0	mg/L
n 257.610	1458.7	95.49	6.55%	0	mg/L
o 202.030	-471.8	6.45	1.37%	0	mg/L
a 330.237	-847.9	270.41	31.89%	0	mg/L
i 231.604	-515.9	18.42	3.57%	0	mg/L
b 220.353	181.0	3.07	1.70%	0	mg/L
b 206.833	114.1	8.92	7.82%	0	mg/L
e 196.026	648.8	3.86	0.60%	0	mg/L
l 190.800	386.9	13.11	3.39%	0	mg/L
292.402	-819.6	92.96	11.34%	0	mg/L
n 213.856	-180.6	15.02	8.31%	0	mg/L

eplicate Data ----------

D: STD1 1423A Date: 5/19/03 2:13:03 PM

epl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	282170.9	278546.5	2.0000	mg/L
1	Al 308.215	228858.6	223981.0	10.00	mg/L
1	As 188.979	3485.6	3347.1	1.000	mg/L
1	Ba 233.527	3779070.2	3778510.1	10.0000	mg/L
1	Be 313.107	2376903.9	2375869.8	1.00000	mg/L
1	Ca 227.547	15576.2	15123.1	100.0	mg/L
1	Cd 228.802	234171.3	234112.2	2.000	mg/L
1	Co 228.616	357515.1	358080.3	4.0000	mg/L
1	Cr 267.716	64247.9	64420.6	1.0000	mg/L
1	Cu 324.754	936104.7	933080.4	4.0000	mg/L
1	Fe 273.955	303784.2	303570.5	10.00	mg/L
1	K 766.491	428775.5	429486.2	30.00	mg/L
1	Mg 279.079	2154196.0	2148872.1	50.00	mg/L
1	Mn 257.610	4809375.8	4807917.1	4.0000	mg/L
1	Mo 202.030	53626.6	54098.4	4.000	mg/L
1	Na 330.237	94592.9	95440.8	200.00	mg/L
1	Ni 231.604	193705.1	194221.0	4.0000	mg/L
1	Pb 220.353	17105.9	16924.9	1.000	mg/L
1	Sb 206.833	16172.0	16057.9	4.000	mg/L
1	Se 196.026	3580.0	2931.2	1.000	mg/L
1	Tl 190.800	3497.4	3110.6	1.000	mg/L
1	V 292.402	323184.0	324003.6	4.0000	mg/L
1	Zn 213.856	403639.8	403820.4	4.000	mg/L

2	Ag 328.068	273494.4	269870.1	2.0000 mg/L
2	Al 308.215	220904.6	216027.1	10.00 mg/L
2	As 188.979	3474.0	3335.6	1.000 mg/L
2	Ba 233.527	3795692.4	3795132.3	10.0000 mg/L
2	Be 313.107	2389373.3	2388339.2	1.00000 mg/L
2	Ca 227.547	15121.5	14668.4	100.0 mg/L
2	Cd 228.802	228334.4	228275.3	2.000 mg/L
2	Co 228.616	347570.7	348135.8	4.0000 mg/L
2	Cr 267.716	62339.1	62511.8	1.0000 mg/L
2	Cu 324.754	946921.1	943896.8	4.0000 mg/L
2	Fe 273.955	292291.4	292077.7	10.00 mg/L
2	K 766.491	443943.6	444654.3	30.00 mg/L
2	Mg 279.079	2170761.9	2165438.0	50.00 mg/L
2	Mn 257.610	4854024.7	4852565.9	4.0000 mg/L
2	Mo 202.030	52073.9	52545.7	4.000 mg/L
2	Na 330.237	90562.2	91410.1	200.00 mg/L
2	Ni 231.604	188762.0	189277.9	4.0000 mg/L
2	Pb 220.353	16715.2	16534.2	1.000 mg/L
2	Sb 206.833	16209.2	16095.0	4.000 mg/L
2	Se 196.026	3598.6	2949.8	1.000 mg/L
2	Tl 190.800	3512.1	3125.2	1.000 mg/L
2	V 292.402	314904.2	315723.8	4.0000 mg/L
2	Zn 213.856	392739.8	392920.4	4.000 mg/L
3	Ag 328.068	297588.4	293964.0	2.0000 mg/L
3	Al 308.215	239605.3	234727.7	10.00 mg/L
3	As 188.979	3463.6	3325.2	1.000 mg/L
3	Ba 233.527	3689214.7	3688654.6	10.0000 mg/L
3	Be 313.107	2303960.1	2302925.9	1.00000 mg/L
3	Ca 227.547	16427.5	15974.4	100.0 mg/L
3	Cd 228.802	246230.4	246171.3	2.000 mg/L
3	Co 228.616	374795.9	375361.1	4.0000 mg/L
3	Cr 267.716	67944.6	68117.3	1.0000 mg/L
3	Cu 324.754	916061.6	913037.3	4.0000 mg/L
3	Fe 273.955	316569.0	316355.3	10.00 mg/L
3	K 766.491	422042.5	422753.2	30.00 mg/L
3	Mg 279.079	2100522.9	2095199.0	50.00 mg/L
3	Mn 257.610	4693268.2	4691809.5	4.0000 mg/L
3	Mo 202.030	56320.3	56792.1	4.000 mg/L
3	Na 330.237	99010.2	99858.1	200.00 mg/L
3	Ni 231.604	201774.6	202290.5	4.0000 mg/L
3	Pb 220.353	17949.3	17768.3	1.000 mg/L
3	Sb 206.833	16331.0	16216.8	4.000 mg/L
3	Se 196.026	3609.7	2960.9	1.000 mg/L
3	Tl 190.800	3514.4	3127.5	1.000 mg/L
3	V 292.402	343540.6	344360.2	4.0000 mg/L
3	Zn 213.856	423134.3	423314.9	4.000 mg/L

ean Data ----------

D: STD1 1423A Seq. No.: 2 A/S Pos: 2
Data: Original Date: 5/19/03 2:13:03 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
g 328.068	280793.6	12203.14	4.35%	2.0000	mg/L
l 308.215	224911.9	9385.00	4.17%	10.00	mg/L
s 188.979	3336.0	10.98	0.33%	1.000	mg/L
a 233.527	3754099.0	57282.65	1.53%	10.0000	mg/L
e 313.107	2355711.7	46136.97	1.96%	1.00000	mg/L
a 227.547	15255.3	662.97	4.35%	100.0	mg/L
d 228.802	236186.3	9126.50	3.86%	2.000	mg/L
o 228.616	360525.7	13776.37	3.82%	4.0000	mg/L
r 267.716	65016.5	2849.87	4.38%	1.0000	mg/L
u 324.754	930004.9	15657.95	1.68%	4.0000	mg/L
e 273.955	304001.2	12144.51	3.99%	10.00	mg/L
766.491	432297.9	11218.03	2.59%	30.00	mg/L
g 279.079	2136503.0	36716.80	1.72%	50.00	mg/L
n 257.610	4784097.5	82983.06	1.73%	4.0000	mg/L
o 202.030	54478.7	2148.58	3.94%	4.000	mg/L
a 330.237	95569.7	4225.50	4.42%	200.00	mg/L
. 231.604	195263.1	6568.58	3.36%	4.0000	mg/L

b 220.353	17075.8	630.75	3.69%	1.000 mg/L
b 206.833	16123.2	83.15	0.52%	4.000 mg/L
e 196.026	2947.3	14.97	0.51%	1.000 mg/L
l 190.800	3121.1	9.18	0.29%	1.000 mg/L
292.402	328029.2	14736.52	4.49%	4.0000 mg/L
n 213.856	406685.2	15398.43	3.79%	4.000 mg/L

eplicate Data ----------

D: STD2 1423B Date: 5/19/03 2:16:47 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Ag 328.068	151429.2	147804.8	1.0000	mg/L
1	Al 308.215	127068.8	122191.2	5.000	mg/L
1	As 188.979	1861.1	1722.6	0.500	mg/L
1	Ba 233.527	2082509.8	2081949.7	5.0000	mg/L
1	Be 313.107	1279098.9	1278064.8	0.50000	mg/L
1	Ca 227.547	8615.0	8161.9	50.00	mg/L
1	Cd 228.802	125761.5	125702.5	1.000	mg/L
1	Co 228.616	194395.2	194960.3	2.0000	mg/L
1	Cr 267.716	34385.3	34557.9	0.5000	mg/L
1	Cu 324.754	509978.5	506954.3	2.0000	mg/L
1	Fe 273.955	163994.9	163781.1	5.000	mg/L
1	K 766.491	197639.2	198349.9	15.00	mg/L
1	Mg 279.079	1182372.6	1177048.7	25.000	mg/L
1	Mn 257.610	2520191.9	2518733.2	2.0000	mg/L
1	Mo 202.030	28733.8	29205.7	2.000	mg/L
1	Na 330.237	48274.8	49122.7	100.00	mg/L
1	Ni 231.604	105678.9	106194.7	2.0000	mg/L
1	Pb 220.353	9117.4	8936.3	0.500	mg/L
1	Sb 206.833	8475.1	8360.9	2.000	mg/L
1	Se 196.026	2209.3	1560.5	0.5000	mg/L
1	Tl 190.800	2013.2	1626.3	0.500	mg/L
1	V 292.402	173211.1	174030.7	2.0000	mg/L
1	Zn 213.856	217397.5	217578.1	2.000	mg/L
2	Ag 328.068	147206.9	143582.6	1.0000	mg/L
2	Al 308.215	122784.7	117907.1	5.000	mg/L
2	As 188.979	1877.6	1739.2	0.500	mg/L
2	Ba 233.527	2009092.4	2008532.3	5.0000	mg/L
2	Be 313.107	1227370.0	1226335.9	0.50000	mg/L
2	Ca 227.547	8355.7	7902.6	50.00	mg/L
2	Cd 228.802	122348.7	122289.6	1.000	mg/L
2	Co 228.616	187891.0	188456.1	2.0000	mg/L
2	Cr 267.716	33692.4	33865.1	0.5000	mg/L
2	Cu 324.754	492962.4	489938.1	2.0000	mg/L
2	Fe 273.955	158479.5	158265.8	5.000	mg/L
2	K 766.491	197747.1	198457.8	15.00	mg/L
2	Mg 279.079	1142286.2	1136962.3	25.000	mg/L
2	Mn 257.610	2525578.9	2524120.2	2.0000	mg/L
2	Mo 202.030	27908.4	28380.2	2.000	mg/L
2	Na 330.237	46636.5	47484.4	100.00	mg/L
2	Ni 231.604	102009.1	102525.0	2.0000	mg/L
2	Pb 220.353	9104.9	8923.9	0.500	mg/L
2	Sb 206.833	8546.4	8432.3	2.000	mg/L
2	Se 196.026	2217.3	1568.5	0.5000	mg/L
2	Tl 190.800	2021.4	1634.5	0.500	mg/L
2	V 292.402	170046.4	170866.0	2.0000	mg/L
2	Zn 213.856	209089.1	209269.8	2.000	mg/L
3	Ag 328.068	149497.7	145873.4	1.0000	mg/L
3	Al 308.215	125129.9	120252.3	5.000	mg/L
3	As 188.979	1865.0	1726.6	0.500	mg/L
3	Ba 233.527	2049915.3	2049355.2	5.0000	mg/L
3	Be 313.107	1257244.8	1256210.6	0.50000	mg/L
3	Ca 227.547	8455.9	8002.8	50.00	mg/L
3	Cd 228.802	124163.1	124104.0	1.000	mg/L
3	Co 228.616	190796.9	191362.1	2.0000	mg/L
3	Cr 267.716	34097.1	34269.7	0.5000	mg/L
3	Cu 324.754	502640.9	499616.7	2.0000	mg/L
3	Fe 273.955	161967.7	161754.0	5.000	mg/L

3	K 766.491	192049.9	192760.6	15.00 mg/L
3	Mg 279.079	1164349.0	1159025.1	25.000 mg/L
3	Mn 257.610	2472099.8	2470641.1	2.0000 mg/L
3	Mo 202.030	28198.5	28670.3	2.000 mg/L
3	Na 330.237	47373.7	48221.6	100.00 mg/L
3	Ni 231.604	103944.6	104460.5	2.0000 mg/L
3	Pb 220.353	9073.9	8892.9	0.500 mg/L
3	Sb 206.833	8476.4	8362.3	2.000 mg/L
3	Se 196.026	2224.9	1576.1	0.5000 mg/L
3	Tl 190.800	2014.8	1627.9	0.500 mg/L
3	V 292.402	170999.1	171818.7	2.0000 mg/L
3	Zn 213.856	213846.9	214027.5	2.000 mg/L

ean Data ----------

D: STD2 1423B Seq. No.: 3 A/S Pos: 3
Data: Original Date: 5/19/03 2:16:47 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
g 328.068	145753.6	2113.68	1.45%	1.0000	mg/L
l 308.215	120116.9	2145.25	1.79%	5.000	mg/L
s 188.979	1729.5	8.63	0.50%	0.500	mg/L
a 233.527	2046612.4	36785.49	1.80%	5.0000	mg/L
e 313.107	1253537.1	25967.89	2.07%	0.50000	mg/L
a 227.547	8022.5	130.76	1.63%	50.00	mg/L
d 228.802	124032.0	1707.58	1.38%	1.000	mg/L
o 228.616	191592.9	3258.24	1.70%	2.0000	mg/L
r 267.716	34230.9	348.06	1.02%	0.5000	mg/L
u 324.754	498836.4	8534.89	1.71%	2.0000	mg/L
e 273.955	161267.0	2789.75	1.73%	5.000	mg/L
766.491	196522.8	3258.56	1.66%	15.00	mg/L
g 279.079	1157678.7	20077.09	1.73%	25.000	mg/L
n 257.610	2504498.2	29444.54	1.18%	2.0000	mg/L
o 202.030	28752.0	418.77	1.46%	2.000	mg/L
a 330.237	48276.2	820.49	1.70%	100.00	mg/L
i 231.604	104393.4	1835.80	1.76%	2.0000	mg/L
o 220.353	8917.7	22.40	0.25%	0.500	mg/L
o 206.833	8385.2	40.79	0.49%	2.000	mg/L
e 196.026	1568.4	7.82	0.50%	0.5000	mg/L
l 190.800	1629.6	4.36	0.27%	0.500	mg/L
292.402	172238.5	1623.57	0.94%	2.0000	mg/L
n 213.856	213625.1	4168.75	1.95%	2.000	mg/L

eplicate Data ----------

D: STD3 1423C Date: 5/19/03 2:20:24 PM

epl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Ag 328.068	73095.0	69470.7	0.5000	mg/L
1	Al 308.215	62478.7	57601.1	2.500	mg/L
1	As 188.979	1023.2	884.8	0.250	mg/L
1	Ba 233.527	1049345.4	1048785.3	2.5000	mg/L
1	Be 313.107	629736.2	628702.1	0.25000	mg/L
1	Ca 227.547	4523.2	4070.1	25.00	mg/L
1	Cd 228.802	59029.0	58969.9	0.500	mg/L
1	Co 228.616	92000.4	92565.5	1.0000	mg/L
1	Cr 267.716	16346.8	16519.5	0.2500	mg/L
1	Cu 324.754	240563.2	237539.0	1.0000	mg/L
1	Fe 273.955	77640.2	77426.5	2.500	mg/L
1	K 766.491	89097.0	89807.7	7.500	mg/L
1	Mg 279.079	596563.5	591239.6	12.500	mg/L
1	Mn 257.610	1312131.5	1310672.8	1.0000	mg/L
1	Mo 202.030	14035.9	14507.7	1.000	mg/L
1	Na 330.237	21649.2	22497.1	50.00	mg/L
1	Ni 231.604	49802.1	50318.0	1.0000	mg/L
1	Pb 220.353	4749.3	4568.3	0.250	mg/L
1	Sb 206.833	4435.8	4321.6	1.000	mg/L
1	Se 196.026	1448.3	799.5	0.250	mg/L
1	Tl 190.800	1205.2	818.3	0.250	mg/L
1	V 292.402	80823.8	81643.4	1.0000	mg/L
1	Zn 213.856	100727.5	100908.1	1.000	mg/L

2	Ag 328.068	74775.6	71151.3	0.5000 mg/L
2	Al 308.215	64338.1	59460.6	2.500 mg/L
2	As 188.979	1018.5	880.0	0.250 mg/L
2	Ba 233.527	1011658.1	1011098.0	2.5000 mg/L
2	Be 313.107	607928.9	606894.8	0.25000 mg/L
2	Ca 227.547	4535.3	4082.2	25.00 mg/L
2	Cd 228.802	60916.3	60857.3	0.500 mg/L
2	Co 228.616	94727.9	95293.1	1.0000 mg/L
2	Cr 267.716	16787.1	16959.7	0.2500 mg/L
2	Cu 324.754	248046.7	245022.5	1.0000 mg/L
2	Fe 273.955	79715.0	79501.3	2.500 mg/L
2	K 766.491	85941.4	86652.1	7.500 mg/L
2	Mg 279.079	575634.1	570310.2	12.500 mg/L
2	Mn 257.610	1264993.8	1263535.1	1.0000 mg/L
2	Mo 202.030	13998.7	14470.5	1.000 mg/L
2	Na 330.237	21914.3	22762.2	50.00 mg/L
2	Ni 231.604	51234.7	51750.6	1.0000 mg/L
2	Pb 220.353	4706.5	4525.4	0.250 mg/L
2	Sb 206.833	4399.6	4285.4	1.000 mg/L
2	Se 196.026	1449.0	800.2	0.250 mg/L
2	Tl 190.800	1211.8	824.9	0.250 mg/L
2	V 292.402	83410.1	84229.7	1.0000 mg/L
2	Zn 213.856	104177.1	104357.7	1.000 mg/L
3	Ag 328.068	78102.4	74478.1	0.5000 mg/L
3	Al 308.215	66799.6	61922.0	2.500 mg/L
3	As 188.979	1032.4	894.0	0.250 mg/L
3	Ba 233.527	1029007.5	1028447.4	2.5000 mg/L
3	Be 313.107	617987.6	616953.5	0.25000 mg/L
3	Ca 227.547	4565.7	4112.6	25.00 mg/L
3	Cd 228.802	63604.4	63545.3	0.500 mg/L
3	Co 228.616	98209.0	98774.2	1.0000 mg/L
3	Cr 267.716	17237.2	17409.8	0.2500 mg/L
3	Cu 324.754	258634.0	255609.8	1.0000 mg/L
3	Fe 273.955	82942.1	82728.4	2.500 mg/L
3	K 766.491	87368.3	88079.1	7.500 mg/L
3	Mg 279.079	585207.6	579883.7	12.500 mg/L
3	Mn 257.610	1286191.4	1284732.7	1.0000 mg/L
3	Mo 202.030	14045.5	14517.3	1.000 mg/L
3	Na 330.237	23006.3	23854.2	50.00 mg/L
3	Ni 231.604	53043.8	53559.7	1.0000 mg/L
3	Pb 220.353	4742.8	4561.7	0.250 mg/L
3	Sb 206.833	4429.4	4315.3	1.000 mg/L
3	Se 196.026	1469.7	820.9	0.250 mg/L
3	Tl 190.800	1211.3	824.5	0.250 mg/L
3	V 292.402	86826.5	87646.0	1.0000 mg/L
3	Zn 213.856	108507.7	108688.3	1.000 mg/L

ean Data ----------

): STD3 1423C Seq. No.: 4 A/S Pos: 4
Data: Original Date: 5/19/03 2:20:24 PM

.ement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
328.068	71700.0	2548.39	3.55%	0.5000	mg/L
308.215	59661.2	2167.45	3.63%	2.500	mg/L
188.979	886.3	7.07	0.80%	0.250	mg/L
233.527	1029443.6	18863.37	1.83%	2.5000	mg/L
313.107	617516.8	10914.56	1.77%	0.25000	mg/L
227.547	4088.3	21.94	0.54%	25.00	mg/L
228.802	61124.1	2299.33	3.76%	0.500	mg/L
228.616	95544.3	3111.94	3.26%	1.0000	mg/L
267.716	16963.0	445.21	2.62%	0.2500	mg/L
324.754	246057.1	9079.70	3.69%	1.0000	mg/L
273.955	79885.4	2671.77	3.34%	2.500	mg/L
766.491	88179.6	1580.19	1.79%	7.500	mg/L
279.079	580477.8	10477.37	1.80%	12.500	mg/L
257.610	1286313.5	23608.55	1.84%	1.0000	mg/L
202.030	14498.5	24.69	0.17%	1.000	mg/L
330.237	23037.8	719.32	3.12%	50.00	mg/L
231.604	51876.1	1624.50	3.13%	1.0000	mg/L

b 220.353	4551.8	23.09	0.51%	0.250 mg/L
b 206.833	4307.4	19.33	0.45%	1.000 mg/L
e 196.026	806.9	12.18	1.51%	0.250 mg/L
l 190.800	822.6	3.71	0.45%	0.250 mg/L
292.402	84506.4	3010.87	3.56%	1.0000 mg/L
n 213.856	104651.4	3898.40	3.73%	1.000 mg/L

alibration Summary ----------
ethod: 23ME ICP-M Date: 5/19/03 2:21:27 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
g 328.068	3	Linear-thru-Zero	0.0	141560.1	0.00000	0.999728
l 308.215	3	Linear-thru-Zero	0.0	22848.4	0.00000	0.999059
s 188.979	3	Linear-thru-Zero	0.0	3369.3	0.00000	0.999593
a 233.527	3	Linear-thru-Zero	0.0	383601.2	0.00000	0.998246
e 313.107	3	Linear-thru-Zero	0.0	2389988.1	0.00000	0.999199
a 227.547	3	Linear-thru-Zero	0.0	154.6	0.00000	0.999321
d 228.802	3	Linear-thru-Zero	0.0	119422.2	0.00000	0.999514
o 228.616	3	Linear-thru-Zero	0.0	91468.2	0.00000	0.999179
r 267.716	3	Linear-thru-Zero	0.0	65807.8	0.00000	0.999441
u 324.754	3	Linear-thru-Zero	0.0	236369.0	0.00000	0.998962
e 273.955	3	Linear-thru-Zero	0.0	30827.1	0.00000	0.999259
766.491	3	Non-Linear	-1129.1	11592.4	95.59144	0.998189
g 279.079	3	Linear-thru-Zero	0.0	43588.0	0.00000	0.998511
n 257.610	3	Linear-thru-Zero	0.0	1211033.3	0.00000	0.999374
o 202.030	3	Linear-thru-Zero	0.0	13805.6	0.00000	0.999300
a 330.237	3	Non-Linear	-266.9	480.6	-0.00466	0.999913
i 231.604	3	Linear-thru-Zero	0.0	49605.5	0.00000	0.999024
b 220.353	3	Linear-thru-Zero	0.0	17274.3	0.00000	0.999471
o 206.833	3	Linear-thru-Zero	0.0	4074.8	0.00000	0.999516
e 196.026	3	Linear-thru-Zero	0.0	2996.7	0.00000	0.998913
l 190.800	3	Linear-thru-Zero	0.0	3155.4	0.00000	0.999540
292.402	3	Linear-thru-Zero	0.0	82909.5	0.00000	0.999528
n 213.856	3	Linear-thru-Zero	0.0	102792.5	0.00000	0.999523

eplicate Data ----------
D: CCV 1447B Date: 5/19/03 2:24:01 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	145387.2	141762.8	1.001	mg/L		
1	Al 308.215	122405.6	117528.1	5.144	mg/L		
1	As 188.979	1822.8	1684.4	0.5055	mg/L		
1	Ba 233.527	2000927.6	2000367.5	5.215	mg/L		
1	Be 313.107	1213885.5	1212851.4	0.5075	mg/L		
1	Ca 227.547	8214.5	7761.4	50.21	mg/L		
1	Cd 228.802	120347.3	120288.2	1.007	mg/L		
1	Co 228.616	185603.6	186168.7	2.035	mg/L		
1	Cr 267.716	33336.4	33509.0	0.5092	mg/L		
1	Cu 324.754	487551.3	484527.1	2.050	mg/L		
1	Fe 273.955	157743.6	157529.9	5.110	mg/L		
1	K 766.491	197812.1	198522.8	15.29	mg/L		
1	Mg 279.079	1128755.0	1123431.1	25.77	mg/L		
1	Mn 257.610	2480971.5	2479512.8	2.047	mg/L		
1	Mo 202.030	27557.6	28029.4	2.030	mg/L		
1	Na 330.237	46629.2	47477.1	99.45	mg/L		
1	Ni 231.604	100216.8	100732.7	2.031	mg/L		
1	Pb 220.353	8950.5	8769.5	0.5077	mg/L		
1	Sb 206.833	8354.5	8240.4	2.007	mg/L		
1	Se 196.026	2192.1	1543.3	0.5150	mg/L		
1	Tl 190.800	1962.3	1575.5	0.4993	mg/L		
1	V 292.402	167941.5	168761.1	2.035	mg/L		
1	Zn 213.856	206975.8	207156.4	2.015	mg/L		
2	Ag 328.068	143660.9	140036.5	0.9892	mg/L		
2	Al 308.215	119915.8	115038.3	5.035	mg/L		
2	As 188.979	1856.9	1718.4	0.5156	mg/L		
2	Ba 233.527	1969593.1	1969033.0	5.133	mg/L		
2	Be 313.107	1194458.2	1193424.1	0.4993	mg/L		

2	Ca 227.547	8164.4	7711.3	49.89 mg/L
2	Cd 228.802	118592.2	118533.1	0.9926 mg/L
2	Co 228.616	182648.4	183213.6	2.003 mg/L
2	Cr 267.716	32827.6	33000.3	0.5015 mg/L
2	Cu 324.754	479684.6	476660.4	2.017 mg/L
2	Fe 273.955	155113.4	154899.7	5.025 mg/L
2	K 766.491	198253.6	198964.3	15.32 mg/L
2	Mg 279.079	1112357.3	1107033.4	25.40 mg/L
2	Mn 257.610	2498751.2	2497292.5	2.062 mg/L
2	Mo 202.030	27064.6	27536.4	1.995 mg/L
2	Na 330.237	45694.2	46542.1	97.50 mg/L
2	Ni 231.604	98652.5	99168.4	1.999 mg/L
2	Pb 220.353	9132.3	8951.3	0.5182 mg/L
2	Sb 206.833	8496.5	8382.4	2.043 mg/L
2	Se 196.026	2228.7	1579.9	0.5272 mg/L
2	Tl 190.800	2002.0	1615.1	0.5118 mg/L
2	V 292.402	165186.8	166006.4	2.002 mg/L
2	Zn 213.856	203763.7	203944.3	1.984 mg/L
3	Ag 328.068	151897.0	148272.6	1.047 mg/L
3	Al 308.215	127267.6	122390.0	5.357 mg/L
3	As 188.979	1854.8	1716.4	0.5152 mg/L
3	Ba 233.527	2084866.1	2084306.0	5.434 mg/L
3	Be 313.107	1262970.8	1261936.7	0.5280 mg/L
3	Ca 227.547	8464.8	8011.8	51.83 mg/L
3	Cd 228.802	125893.8	125834.8	1.054 mg/L
3	Co 228.616	192719.4	193284.5	2.113 mg/L
3	Cr 267.716	34742.3	34915.0	0.5306 mg/L
3	Cu 324.754	508826.8	505802.6	2.140 mg/L
3	Fe 273.955	164468.9	164255.2	5.328 mg/L
3	K 766.491	193782.0	194492.8	15.02 mg/L
3	Mg 279.079	1178339.1	1173015.2	26.91 mg/L
3	Mn 257.610	2458871.6	2457412.9	2.029 mg/L
3	Mo 202.030	28706.2	29178.0	2.113 mg/L
3	Na 330.237	48336.8	49184.7	103.0 mg/L
3	Ni 231.604	104372.6	104888.5	2.114 mg/L
3	Pb 220.353	9082.4	8901.4	0.5153 mg/L
3	Sb 206.833	8458.6	8344.5	2.032 mg/L
3	Se 196.026	2210.0	1561.2	0.5210 mg/L
3	Tl 190.800	1984.6	1597.7	0.5063 mg/L
3	V 292.402	174818.5	175638.1	2.118 mg/L
3	Zn 213.856	216486.8	216667.5	2.108 mg/L

ean Data ----------

D: CCV 1447B
ample Qty: 1.0000 g

Seq. No.: 5
Prep. Vol.: 1.0 L
Data: Original

Sample No.: 5

A/S Pos: 6
Dilution: 1.0: 1.0
Date: 5/19/03 2:24:01 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	143357.3	1.013	0.0307	mg/L				3.03%
l 308.215	118318.8	5.178	0.1636	mg/L				3.16%
s 188.979	1706.4	0.5121	0.00570	mg/L				1.11%
a 233.527	2017902.2	5.260	0.1554	mg/L				2.95%
e 313.107	1222737.4	0.5116	0.01477	mg/L				2.89%
a 227.547	7828.2	50.64	1.041	mg/L				2.06%
d 228.802	121552.0	1.018	0.0319	mg/L				3.14%
o 228.616	187555.6	2.050	0.0566	mg/L				2.76%
r 267.716	33808.1	0.5137	0.01507	mg/L				2.93%
u 324.754	488996.7	2.069	0.0638	mg/L				3.08%
e 273.955	158894.9	5.154	0.1565	mg/L				3.04%
766.491	197326.6	15.21	0.170	mg/L				1.12%
g 279.079	1134493.2	26.03	0.788	mg/L				3.03%
n 257.610	2478072.7	2.046	0.0165	mg/L				0.81%
o 202.030	28247.9	2.046	0.0610	mg/L				2.98%
a 330.237	47734.6	99.98	2.794	mg/L				2.79%
. 231.604	101596.5	2.048	0.0596	mg/L				2.91%
b 220.353	8874.1	0.5137	0.00544	mg/L				1.06%
b 206.833	8322.4	2.027	0.0181	mg/L				0.89%
e 196.026	1561.5	0.5211	0.00609	mg/L				1.17%
. 190.800	1596.1	0.5058	0.00630	mg/L				1.24%
292.402	170135.2	2.052	0.0598	mg/L				2.93%

n 213.856 209256.1 2.036 0.0644 mg/L 3.16%

eplicate Data
D: CCB Date: 5/19/03 2:27:31 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	3933.1	308.8	0.0022	mg/L		
1	Al 308.215	4752.7	-124.9	-0.0055	mg/L		
1	As 188.979	150.9	12.5	0.0037	mg/L		
1	Ba 233.527	1261.4	701.3	0.0018	mg/L		
1	Be 313.107	2600.6	1566.5	0.0007	mg/L		
1	Ca 227.547	405.3	-47.7	-0.3088	mg/L		
1	Cd 228.802	104.3	45.3	0.0004	mg/L		
1	Co 228.616	-493.6	71.6	0.0008	mg/L		
1	Cr 267.716	-221.0	-48.4	-0.0007	mg/L		
1	Cu 324.754	3307.6	283.3	0.0012	mg/L		
1	Fe 273.955	151.8	-61.9	-0.0020	mg/L		
1	K 766.491	-186.2	524.5	0.1425	mg/L		
1	Mg 279.079	2964.8	-2359.1	-0.0541	mg/L		
1	Mn 257.610	2916.7	1458.0	0.0012	mg/L		
1	Mo 202.030	-445.8	26.0	0.0019	mg/L		
1	Na 330.237	-915.6	-67.7	0.4144	mg/L		
1	Ni 231.604	-480.8	35.1	0.0007	mg/L		
1	Pb 220.353	172.2	-8.8	-0.0005	mg/L		
1	Sb 206.833	114.9	0.7	0.0002	mg/L		
1	Se 196.026	644.3	-4.5	-0.0015	mg/L		
1	Tl 190.800	356.0	-30.9	-0.0098	mg/L		
1	V 292.402	-907.5	-87.9	-0.0011	mg/L		
1	Zn 213.856	-135.2	45.4	0.0004	mg/L		
2	Ag 328.068	3999.9	375.6	0.0027	mg/L		
2	Al 308.215	4660.0	-217.6	-0.0095	mg/L		
2	As 188.979	147.5	9.0	0.0027	mg/L		
2	Ba 233.527	1108.8	548.7	0.0014	mg/L		
2	Be 313.107	2652.9	1618.8	0.0007	mg/L		
2	Ca 227.547	409.6	-43.5	-0.2813	mg/L		
2	Cd 228.802	96.6	37.5	0.0003	mg/L		
2	Co 228.616	-492.0	73.1	0.0008	mg/L		
2	Cr 267.716	-171.4	1.3	0.0000	mg/L		
2	Cu 324.754	2975.2	-49.1	-0.0002	mg/L		
2	Fe 273.955	67.0	-146.7	-0.0048	mg/L		
2	K 766.491	-637.6	73.2	0.1036	mg/L		
2	Mg 279.079	2661.4	-2662.5	-0.0611	mg/L		
2	Mn 257.610	2826.5	1367.7	0.0011	mg/L		
2	Mo 202.030	-439.7	32.1	0.0023	mg/L		
2	Na 330.237	-668.2	179.8	0.9294	mg/L		
2	Ni 231.604	-488.6	27.3	0.0006	mg/L		
2	Pb 220.353	164.4	-16.6	-0.0010	mg/L		
2	Sb 206.833	123.5	9.4	0.0023	mg/L		
2	Se 196.026	633.2	-15.6	-0.0052	mg/L		
2	Tl 190.800	352.6	-34.3	-0.0109	mg/L		
2	V 292.402	-739.6	80.0	0.0010	mg/L		
2	Zn 213.856	-149.6	31.0	0.0003	mg/L		
3	Ag 328.068	3851.5	227.1	0.0016	mg/L		
3	Al 308.215	4849.9	-27.7	-0.0012	mg/L		
3	As 188.979	149.0	10.6	0.0031	mg/L		
3	Ba 233.527	955.3	395.2	0.0010	mg/L		
3	Be 313.107	2325.9	1291.8	0.0005	mg/L		
3	Ca 227.547	394.4	-58.6	-0.3794	mg/L		
3	Cd 228.802	88.3	29.2	0.0002	mg/L		
3	Co 228.616	-495.8	69.4	0.0008	mg/L		
3	Cr 267.716	-157.5	15.1	0.0002	mg/L		
3	Cu 324.754	3062.2	38.0	0.0002	mg/L		
3	Fe 273.955	139.5	-74.2	-0.0024	mg/L		
3	K 766.491	-195.7	515.0	0.1417	mg/L		
3	Mg 279.079	2714.1	-2609.8	-0.0599	mg/L		
3	Mn 257.610	2744.6	1285.9	0.0011	mg/L		
3	Mo 202.030	-445.9	25.9	0.0019	mg/L		
3	Na 330.237	-706.4	141.5	0.8498	mg/L		

3 Ni 231.604	-496.0	19.9	0.0004	mg/L
3 Pb 220.353	151.8	-29.2	-0.0017	mg/L
3 Sb 206.833	108.2	-5.9	-0.0015	mg/L
3 Se 196.026	644.3	-4.5	-0.0015	mg/L
3 Tl 190.800	354.3	-32.5	-0.0103	mg/L
3 V 292.402	-848.4	-28.9	-0.0003	mg/L
3 Zn 213.856	-156.0	24.7	0.0002	mg/L

ean Data ----------

D: CCB Seq. No.: 6 Sample No.: 6 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 2:27:31 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	303.8	0.0021	0.00053	mg/L				24.47%
l 308.215	-123.4	-0.0054	0.00416	mg/L				76.95%
s 188.979	10.7	0.0032	0.00052	mg/L				16.23%
a 233.527	548.4	0.0014	0.00040	mg/L				27.91%
e 313.107	1492.3	0.0006	0.00007	mg/L				11.77%
a 227.547	-50.0	-0.3232	0.05059	mg/L				15.65%
d 228.802	37.3	0.0003	0.00007	mg/L				21.48%
o 228.616	71.4	0.0008	0.00002	mg/L				2.64%
r 267.716	-10.7	-0.0002	0.00051	mg/L				313.39%
u 324.754	90.8	0.0004	0.00073	mg/L				189.91%
e 273.955	-94.3	-0.0031	0.00149	mg/L				48.62%
766.491	370.9	0.1293	0.02220	mg/L				17.18%
g 279.079	-2543.8	-0.0584	0.00372	mg/L				6.37%
n 257.610	1370.5	0.0011	0.00007	mg/L				6.28%
o 202.030	28.0	0.0020	0.00026	mg/L				12.65%
a 330.237	84.5	0.7312	0.27725	mg/L				37.92%
i 231.604	27.4	0.0006	0.00015	mg/L				27.62%
o 220.353	-18.2	-0.0011	0.00060	mg/L				56.49%
o 206.833	1.4	0.0003	0.00188	mg/L				552.72%
e 196.026	-8.2	-0.0027	0.00213	mg/L				77.91%
l 190.800	-32.6	-0.0103	0.00054	mg/L				5.27%
292.402	-12.3	-0.0001	0.00103	mg/L				694.76%
n 213.856	33.7	0.0003	0.00010	mg/L				31.51%

eplicate Data ----------

D: Calib Blank Date: 5/19/03 2:30:07 PM

epl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units
1 Ag 328.068	3845.1	3845.1	0	mg/L
1 Al 308.215	4734.4	4734.4	0	mg/L
1 As 188.979	147.8	147.8	0	mg/L
1 Ba 233.527	799.9	799.9	0	mg/L
1 Be 313.107	2171.1	2171.1	0	mg/L
1 Ca 227.547	402.2	402.2	0	mg/L
1 Cd 228.802	73.4	73.4	0	mg/L
1 Co 228.616	-545.1	-545.1	0	mg/L
1 Cr 267.716	-89.0	-89.0	0	mg/L
1 Cu 324.754	3098.9	3098.9	0	mg/L
1 Fe 273.955	56.8	56.8	0	mg/L
1 K 766.491	-121.4	-121.4	0	mg/L
1 Mg 279.079	2137.4	2137.4	0	mg/L
1 Mn 257.610	2348.6	2348.6	0	mg/L
1 Mo 202.030	-444.5	-444.5	0	mg/L
1 Na 330.237	-945.6	-945.6	0	mg/L
1 Ni 231.604	-531.1	-531.1	0	mg/L
1 Pb 220.353	157.7	157.7	0	mg/L
1 Sb 206.833	116.8	116.8	0	mg/L
1 Se 196.026	624.9	624.9	0	mg/L
1 Tl 190.800	356.0	356.0	0	mg/L
1 V 292.402	-823.7	-823.7	0	mg/L
1 Zn 213.856	-212.4	-212.4	0	mg/L
2 Ag 328.068	3698.6	3698.6	0	mg/L
2 Al 308.215	4544.4	4544.4	0	mg/L
2 As 188.979	152.7	152.7	0	mg/L

2	Ba 233.527	770.7	770.7	0 mg/L
2	Be 313.107	2068.9	2068.9	0 mg/L
2	Ca 227.547	416.7	416.7	0 mg/L
2	Cd 228.802	119.6	119.6	0 mg/L
2	Co 228.616	-532.3	-532.3	0 mg/L
2	Cr 267.716	-239.5	-239.5	0 mg/L
2	Cu 324.754	2921.8	2921.8	0 mg/L
2	Fe 273.955	107.3	107.3	0 mg/L
2	K 766.491	-752.8	-752.8	0 mg/L
2	Mg 279.079	2360.0	2360.0	0 mg/L
2	Mn 257.610	2269.6	2269.6	0 mg/L
2	Mo 202.030	-463.9	-463.9	0 mg/L
2	Na 330.237	-692.1	-692.1	0 mg/L
2	Ni 231.604	-543.9	-543.9	0 mg/L
2	Pb 220.353	148.1	148.1	0 mg/L
2	Sb 206.833	113.7	113.7	0 mg/L
2	Se 196.026	647.3	647.3	0 mg/L
2	Tl 190.800	358.7	358.7	0 mg/L
2	V 292.402	-739.5	-739.5	0 mg/L
2	Zn 213.856	-221.8	-221.8	0 mg/L
3	Ag 328.068	3832.2	3832.2	0 mg/L
3	Al 308.215	4682.3	4682.3	0 mg/L
3	As 188.979	159.0	159.0	0 mg/L
3	Ba 233.527	739.8	739.8	0 mg/L
3	Be 313.107	2005.7	2005.7	0 mg/L
3	Ca 227.547	384.6	384.6	0 mg/L
3	Cd 228.802	94.8	94.8	0 mg/L
3	Co 228.616	-562.2	-562.2	0 mg/L
3	Cr 267.716	-248.5	-248.5	0 mg/L
3	Cu 324.754	2830.7	2830.7	0 mg/L
3	Fe 273.955	119.8	119.8	0 mg/L
3	K 766.491	-454.7	-454.7	0 mg/L
3	Mg 279.079	2208.1	2208.1	0 mg/L
3	Mn 257.610	2195.5	2195.5	0 mg/L
3	Mo 202.030	-461.6	-461.6	0 mg/L
3	Na 330.237	-833.2	-833.2	0 mg/L
3	Ni 231.604	-518.0	-518.0	0 mg/L
3	Pb 220.353	155.0	155.0	0 mg/L
3	Sb 206.833	101.7	101.7	0 mg/L
3	Se 196.026	651.6	651.6	0 mg/L
3	Tl 190.800	364.1	364.1	0 mg/L
3	V 292.402	-614.3	-614.3	0 mg/L
3	Zn 213.856	-202.9	-202.9	0 mg/L

ean Data ----------

D: Calib Blank Seq. No.: 1 A/S Pos: 1
Data: Original Date: 5/19/03 2:30:07 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
g 328.068	3791.9	81.12	2.14%	0	mg/L
l 308.215	4653.7	98.19	2.11%	0	mg/L
s 188.979	153.2	5.58	3.64%	0	mg/L
a 233.527	770.1	30.08	3.91%	0	mg/L
e 313.107	2081.9	83.47	4.01%	0	mg/L
a 227.547	401.1	16.08	4.01%	0	mg/L
d 228.802	95.9	23.09	24.07%	0	mg/L
o 228.616	-546.5	15.02	2.75%	0	mg/L
r 267.716	-192.3	89.63	46.60%	0	mg/L
u 324.754	2950.5	136.36	4.62%	0	mg/L
e 273.955	94.6	33.34	35.25%	0	mg/L
766.491	-443.0	315.85	71.30%	0	mg/L
g 279.079	2235.2	113.74	5.09%	0	mg/L
n 257.610	2271.3	76.57	3.37%	0	mg/L
o 202.030	-456.7	10.63	2.33%	0	mg/L
a 330.237	-823.7	127.02	15.42%	0	mg/L
i 231.604	-531.0	12.98	2.44%	0	mg/L
b 220.353	153.6	4.91	3.19%	0	mg/L
b 206.833	110.7	7.98	7.21%	0	mg/L
e 196.026	641.3	14.36	2.24%	0	mg/L
l 190.800	359.6	4.12	1.14%	0	mg/L

292.402	-725.8	105.37	14.52%	0 mg/L
n 213.856	-212.4	9.43	4.44%	0 mg/L

alibration Summary
ethod: 23ME ICP-M Date: 5/19/03 2:31:05 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
g 328.068	3	Linear-thru-Zero	0.0	141560.1	0.00000	0.999728
l 308.215	3	Linear-thru-Zero	0.0	22848.4	0.00000	0.999059
s 188.979	3	Linear-thru-Zero	0.0	3369.3	0.00000	0.999593
a 233.527	3	Linear-thru-Zero	0.0	383601.2	0.00000	0.998246
e 313.107	3	Linear-thru-Zero	0.0	2389988.1	0.00000	0.999199
a 227.547	3	Linear-thru-Zero	0.0	154.6	0.00000	0.999321
d 228.802	3	Linear-thru-Zero	0.0	119422.2	0.00000	0.999514
o 228.616	3	Linear-thru-Zero	0.0	91468.2	0.00000	0.999179
r 267.716	3	Linear-thru-Zero	0.0	65807.8	0.00000	0.999441
u 324.754	3	Linear-thru-Zero	0.0	236369.0	0.00000	0.998962
e 273.955	3	Linear-thru-Zero	0.0	30827.1	0.00000	0.999259
766.491	3	Non-Linear	-1129.1	11592.4	95.59144	0.998189
g 279.079	3	Linear-thru-Zero	0.0	43588.0	0.00000	0.998511
n 257.610	3	Linear-thru-Zero	0.0	1211033.3	0.00000	0.999374
o 202.030	3	Linear-thru-Zero	0.0	13805.6	0.00000	0.999300
a 330.237	3	Non-Linear	-266.9	480.6	-0.00466	0.999913
i 231.604	3	Linear-thru-Zero	0.0	49605.5	0.00000	0.999024
b 220.353	3	Linear-thru-Zero	0.0	17274.3	0.00000	0.999471
b 206.833	3	Linear-thru-Zero	0.0	4074.8	0.00000	0.999516
e 196.026	3	Linear-thru-Zero	0.0	2996.7	0.00000	0.998913
l 190.800	3	Linear-thru-Zero	0.0	3155.4	0.00000	0.999540
292.402	3	Linear-thru-Zero	0.0	82909.5	0.00000	0.999528
n 213.856	3	Linear-thru-Zero	0.0	102792.5	0.00000	0.999523

alibration Summary
ethod: 23ME ICP-M Date: 5/19/03 2:31:14 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
g 328.068	3	Linear-thru-Zero	0.0	141560.1	0.00000	0.999728
l 308.215	3	Linear-thru-Zero	0.0	22848.4	0.00000	0.999059
s 188.979	3	Linear-thru-Zero	0.0	3369.3	0.00000	0.999593
a 233.527	3	Linear-thru-Zero	0.0	383601.2	0.00000	0.998246
e 313.107	3	Linear-thru-Zero	0.0	2389988.1	0.00000	0.999199
a 227.547	3	Linear-thru-Zero	0.0	154.6	0.00000	0.999321
d 228.802	3	Linear-thru-Zero	0.0	119422.2	0.00000	0.999514
o 228.616	3	Linear-thru-Zero	0.0	91468.2	0.00000	0.999179
r 267.716	3	Linear-thru-Zero	0.0	65807.8	0.00000	0.999441
u 324.754	3	Linear-thru-Zero	0.0	236369.0	0.00000	0.998962
e 273.955	3	Linear-thru-Zero	0.0	30827.1	0.00000	0.999259
766.491	3	Non-Linear	-1129.1	11592.4	95.59144	0.998189
g 279.079	3	Linear-thru-Zero	0.0	43588.0	0.00000	0.998511
n 257.610	3	Linear-thru-Zero	0.0	1211033.3	0.00000	0.999374
o 202.030	3	Linear-thru-Zero	0.0	13805.6	0.00000	0.999300
a 330.237	3	Non-Linear	-266.9	480.6	-0.00466	0.999913
i 231.604	3	Linear-thru-Zero	0.0	49605.5	0.00000	0.999024
b 220.353	3	Linear-thru-Zero	0.0	17274.3	0.00000	0.999471
b 206.833	3	Linear-thru-Zero	0.0	4074.8	0.00000	0.999516
e 196.026	3	Linear-thru-Zero	0.0	2996.7	0.00000	0.998913
l 190.800	3	Linear-thru-Zero	0.0	3155.4	0.00000	0.999540
292.402	3	Linear-thru-Zero	0.0	82909.5	0.00000	0.999528
n 213.856	3	Linear-thru-Zero	0.0	102792.5	0.00000	0.999523

plicate Data
): CCV 1447B Date: 5/19/03 2:32:40 PM

pl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	148318.3	144526.4	1.021	mg/L		
1	Al 308.215	125056.8	120403.1	5.270	mg/L		
1	As 188.979	1811.9	1658.7	0.4980	mg/L		

1	Ba 233.527	2035854.4	2035084.3	5.305	mg/L
1	Be 313.107	1216903.5	1214821.6	0.5083	mg/L
1	Ca 227.547	8382.6	7981.4	51.63	mg/L
1	Cd 228.802	121434.3	121338.3	1.016	mg/L
1	Co 228.616	187040.6	187587.1	2.051	mg/L
1	Cr 267.716	33962.1	34154.4	0.5190	mg/L
1	Cu 324.754	491861.5	488911.0	2.068	mg/L
1	Fe 273.955	161753.7	161659.1	5.244	mg/L
1	K 766.491	199707.4	200150.4	15.41	mg/L
1	Mg 279.079	1144178.7	1141943.5	26.20	mg/L
1	Mn 257.610	2533610.0	2531338.7	2.090	mg/L
1	Mo 202.030	27931.8	28388.5	2.056	mg/L
1	Na 330.237	47741.3	48564.9	101.7	mg/L
1	Ni 231.604	100434.3	100965.3	2.035	mg/L
1	Pb 220.353	9024.9	8871.3	0.5136	mg/L
1	Sb 206.833	8380.2	8269.5	2.014	mg/L
1	Se 196.026	2212.4	1571.2	0.5243	mg/L
1	Tl 190.800	1983.9	1624.3	0.5148	mg/L
1	V 292.402	171380.7	172106.5	2.076	mg/L
1	Zn 213.856	209255.1	209467.5	2.038	mg/L
2	Ag 328.068	142988.4	139196.4	0.9833	mg/L
2	Al 308.215	120412.2	115758.5	5.066	mg/L
2	As 188.979	1820.0	1666.8	0.5002	mg/L
2	Ba 233.527	1964258.7	1963488.6	5.119	mg/L
2	Be 313.107	1175067.4	1172985.5	0.4908	mg/L
2	Ca 227.547	7973.1	7572.0	48.98	mg/L
2	Cd 228.802	116787.8	116691.9	0.9771	mg/L
2	Co 228.616	180377.8	180924.3	1.978	mg/L
2	Cr 267.716	32912.8	33105.2	0.5031	mg/L
2	Cu 324.754	475231.3	472280.8	1.998	mg/L
2	Fe 273.955	155936.9	155842.3	5.055	mg/L
2	K 766.491	211453.5	211896.5	16.21	mg/L
2	Mg 279.079	1102117.7	1099882.5	25.23	mg/L
2	Mn 257.610	2441470.1	2439198.8	2.014	mg/L
2	Mo 202.030	26778.0	27234.7	1.973	mg/L
2	Na 330.237	45693.1	46516.7	97.44	mg/L
2	Ni 231.604	96888.5	97419.5	1.964	mg/L
2	Pb 220.353	9075.9	8922.3	0.5165	mg/L
2	Sb 206.833	8425.6	8314.9	2.026	mg/L
2	Se 196.026	2221.2	1579.9	0.5272	mg/L
2	Tl 190.800	1996.3	1636.7	0.5187	mg/L
2	V 292.402	165389.1	166115.0	2.004	mg/L
2	Zn 213.856	202471.5	202683.8	1.972	mg/L
3	Ag 328.068	147067.9	143276.0	1.012	mg/L
3	Al 308.215	123468.1	118814.4	5.200	mg/L
3	As 188.979	1804.7	1651.5	0.4958	mg/L
3	Ba 233.527	2016798.8	2016028.7	5.256	mg/L
3	Be 313.107	1202842.8	1200760.9	0.5024	mg/L
3	Ca 227.547	8205.6	7804.4	50.49	mg/L
3	Cd 228.802	120099.3	120003.4	1.005	mg/L
3	Co 228.616	184737.7	185284.2	2.026	mg/L
3	Cr 267.716	33741.5	33933.8	0.5157	mg/L
3	Cu 324.754	487664.6	484714.1	2.051	mg/L
3	Fe 273.955	160092.6	159998.0	5.190	mg/L
3	K 766.491	197648.9	198091.9	15.26	mg/L
3	Mg 279.079	1132642.8	1130407.6	25.93	mg/L
3	Mn 257.610	2504932.9	2502661.7	2.067	mg/L
3	Mo 202.030	27698.6	28155.3	2.039	mg/L
3	Na 330.237	47228.8	48052.4	100.6	mg/L
3	Ni 231.604	99428.1	99959.1	2.015	mg/L
3	Pb 220.353	8952.9	8799.3	0.5094	mg/L
3	Sb 206.833	8347.4	8236.7	2.006	mg/L
3	Se 196.026	2208.3	1567.1	0.5229	mg/L
3	Tl 190.800	1976.0	1616.4	0.5123	mg/L
3	V 292.402	169957.0	170682.8	2.059	mg/L
3	Zn 213.856	207001.6	207213.9	2.016	mg/L

:an Data ----------

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

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

Data: Original Date: 5/19/03 2:32:40 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	142332.9	1.005	0.0197	mg/L				1.96%
l 308.215	118325.3	5.179	0.1033	mg/L				2.00%
s 188.979	1659.0	0.4980	0.00220	mg/L				0.44%
a 233.527	2004867.2	5.226	0.0967	mg/L				1.85%
e 313.107	1196189.3	0.5005	0.00891	mg/L				1.78%
a 227.547	7785.9	50.37	1.329	mg/L				2.64%
d 228.802	119344.5	0.9993	0.02003	mg/L				2.00%
o 228.616	184598.6	2.018	0.0370	mg/L				1.83%
r 267.716	33731.1	0.5126	0.00841	mg/L				1.64%
u 324.754	481968.6	2.039	0.0366	mg/L				1.79%
e 273.955	159166.5	5.163	0.0972	mg/L				1.88%
766.491	203379.6	15.63	0.510	mg/L				3.26%
g 279.079	1124077.9	25.79	0.499	mg/L				1.93%
n 257.610	2491066.4	2.057	0.0389	mg/L				1.89%
o 202.030	27926.2	2.023	0.0442	mg/L				2.18%
a 330.237	47711.4	99.94	2.222	mg/L				2.22%
i 231.604	99448.0	2.005	0.0368	mg/L				1.84%
b 220.353	8864.3	0.5131	0.00358	mg/L				0.70%
b 206.833	8273.7	2.016	0.0098	mg/L				0.49%
e 196.026	1572.7	0.5248	0.00219	mg/L				0.42%
l 190.800	1625.8	0.5152	0.00323	mg/L				0.63%
292.402	169634.8	2.046	0.0378	mg/L				1.85%
n 213.856	206455.1	2.008	0.0336	mg/L				1.67%

eplicate Data

D: CCB Date: 5/19/03 2:36:09 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	3966.1	174.1	0.0012	mg/L		
1	Al 308.215	4626.2	-27.5	-0.0012	mg/L		
1	As 188.979	156.4	3.3	0.0010	mg/L		
1	Ba 233.527	1170.3	400.1	0.0010	mg/L		
1	Be 313.107	2737.5	655.6	0.0003	mg/L		
1	Ca 227.547	398.7	-2.4	-0.0155	mg/L		
1	Cd 228.802	107.7	11.8	0.0001	mg/L		
1	Co 228.616	-493.0	53.5	0.0006	mg/L		
1	Cr 267.716	-262.8	-70.5	-0.0011	mg/L		
1	Cu 324.754	3287.0	336.5	0.0014	mg/L		
1	Fe 273.955	148.6	54.0	0.0018	mg/L		
1	K 766.491	-73.8	369.2	0.1291	mg/L		
1	Mg 279.079	2325.6	90.5	0.0021	mg/L		
1	Mn 257.610	2761.2	489.9	0.0004	mg/L		
1	Mo 202.030	-447.0	9.6	0.0007	mg/L		
1	Na 330.237	-1117.8	-294.2	-0.0568	mg/L		
1	Ni 231.604	-495.6	35.4	0.0007	mg/L		
1	Pb 220.353	169.9	16.3	0.0009	mg/L		
1	Sb 206.833	107.7	-3.0	-0.0007	mg/L		
1	Se 196.026	630.6	-10.6	-0.0035	mg/L		
1	Tl 190.800	352.9	-6.7	-0.0021	mg/L		
1	V 292.402	-778.5	-52.7	-0.0006	mg/L		
1	Zn 213.856	-150.6	61.8	0.0006	mg/L		
2	Ag 328.068	3983.3	191.4	0.0014	mg/L		
2	Al 308.215	4653.8	0.1	0.0000	mg/L		
2	As 188.979	143.9	-9.2	-0.0027	mg/L		
2	Ba 233.527	985.4	215.2	0.0006	mg/L		
2	Be 313.107	2706.5	624.6	0.0003	mg/L		
2	Ca 227.547	407.0	5.8	0.0376	mg/L		
2	Cd 228.802	109.6	13.7	0.0001	mg/L		
2	Co 228.616	-500.6	45.9	0.0005	mg/L		
2	Cr 267.716	-250.8	-58.5	-0.0009	mg/L		
2	Cu 324.754	2766.8	-183.7	-0.0008	mg/L		
2	Fe 273.955	86.2	-8.4	-0.0003	mg/L		
2	K 766.491	-440.5	2.5	0.0975	mg/L		
2	Mg 279.079	2398.6	163.5	0.0038	mg/L		
2	Mn 257.610	2437.8	166.6	0.0001	mg/L		

2 Mo 202.030	-442.1	14.6	0.0011	mg/L
2 Na 330.237	-917.8	-94.1	0.3595	mg/L
2 Ni 231.604	-525.8	5.2	0.0001	mg/L
2 Pb 220.353	149.2	-4.4	-0.0003	mg/L
2 Sb 206.833	101.9	-8.8	-0.0022	mg/L
2 Se 196.026	644.1	2.8	0.0009	mg/L
2 Tl 190.800	350.5	-9.0	-0.0029	mg/L
2 V 292.402	-885.7	-159.9	-0.0019	mg/L
2 Zn 213.856	-170.3	42.0	0.0004	mg/L
3 Ag 328.068	3732.9	-59.0	-0.0004	mg/L
3 Al 308.215	4851.0	197.3	0.0086	mg/L
3 As 188.979	144.6	-8.5	-0.0025	mg/L
3 Ba 233.527	864.1	94.0	0.0002	mg/L
3 Be 313.107	2597.5	515.6	0.0002	mg/L
3 Ca 227.547	405.2	4.1	0.0263	mg/L
3 Cd 228.802	78.4	-17.6	-0.0001	mg/L
3 Co 228.616	-518.5	28.0	0.0003	mg/L
3 Cr 267.716	-246.7	-54.4	-0.0008	mg/L
3 Cu 324.754	3167.5	217.0	0.0009	mg/L
3 Fe 273.955	-65.2	-159.8	-0.0052	mg/L
3 K 766.491	334.0	777.0	0.1642	mg/L
3 Mg 279.079	2330.4	95.3	0.0022	mg/L
3 Mn 257.610	2415.4	144.1	0.0001	mg/L
3 Mo 202.030	-448.5	8.1	0.0006	mg/L
3 Na 330.237	-963.1	-139.5	0.2651	mg/L
3 Ni 231.604	-527.2	3.8	0.0001	mg/L
3 Pb 220.353	131.3	-22.3	-0.0013	mg/L
3 Sb 206.833	111.3	0.6	0.0001	mg/L
3 Se 196.026	638.2	-3.1	-0.0010	mg/L
3 Tl 190.800	354.9	-4.7	-0.0015	mg/L
3 V 292.402	-935.2	-209.4	-0.0025	mg/L
3 Zn 213.856	-172.6	39.8	0.0004	mg/L

ean Data ----------

D: CCB
ample Qty: 1.0000 g

Seq. No.: 6 Sample No.: 6 A/S Pos: 1
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 2:36:09 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
g 328.068	102.2	0.0007	0.00099	mg/L				136.90%
l 308.215	56.6	0.0025	0.00537	mg/L				216.50%
s 188.979	-4.8	-0.0014	0.00208	mg/L				145.60%
a 233.527	236.4	0.0006	0.00040	mg/L				65.21%
e 313.107	598.6	0.0003	0.00003	mg/L				12.28%
a 227.547	2.5	0.0161	0.02799	mg/L				173.68%
d 228.802	2.6	0.0000	0.00015	mg/L				667.74%
o 228.616	42.5	0.0005	0.00014	mg/L				30.76%
r 267.716	-61.1	-0.0009	0.00013	mg/L				13.67%
u 324.754	123.3	0.0005	0.00115	mg/L				221.01%
e 273.955	-38.0	-0.0012	0.00357	mg/L				289.05%
766.491	382.9	0.1303	0.03335	mg/L				25.60%
g 279.079	116.4	0.0027	0.00094	mg/L				35.07%
n 257.610	266.9	0.0002	0.00016	mg/L				72.49%
o 202.030	10.8	0.0008	0.00024	mg/L				31.20%
a 330.237	-175.9	0.1893	0.21824	mg/L				115.31%
. 231.604	14.8	0.0003	0.00036	mg/L				120.78%
b 220.353	-3.5	-0.0002	0.00112	mg/L				555.42%
b 206.833	-3.8	-0.0009	0.00116	mg/L				125.58%
e 196.026	-3.6	-0.0012	0.00225	mg/L				186.20%
. 190.800	-6.8	-0.0022	0.00069	mg/L				31.93%
292.402	-140.6	-0.0017	0.00097	mg/L				56.97%
n 213.856	47.9	0.0005	0.00012	mg/L				25.29%

plicate Data ----------

D: 6776-1 F=3 Date: 5/19/03 2:39:34 PM

pl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1 Ag 328.068	3899.3	107.3	0.0008	mg/L	0.0023	ppm

1	Al 308.215	4910.2	256.5	0.0112	mg/L	0.0337 ppm
1	As 188.979	158.2	5.0	0.0015	mg/L	0.0045 ppm
1	Ba 233.527	28147.0	27376.8	0.0714	mg/L	0.2141 ppm
1	Be 313.107	1977.5	-104.4	0.0000	mg/L	-0.0001 ppm
1	Ca 227.547	5034.6	4633.4	29.97	mg/L	89.92 ppm
1	Cd 228.802	104.5	8.6	0.0001	mg/L	0.0002 ppm
1	Co 228.616	-538.2	8.3	0.0001	mg/L	0.0003 ppm
1	Cr 267.716	26.6	219.0	0.0033	mg/L	0.0100 ppm
1	Cu 324.754	3289.3	338.9	0.0014	mg/L	0.0043 ppm
1	Fe 273.955	125267.1	125172.5	4.060	mg/L	12.18 ppm
1	K 766.491	146565.7	147008.7	11.66	mg/L	34.97 ppm
1	Mg 279.079	571625.1	569389.9	13.06	mg/L	39.19 ppm
1	Mn 257.610	1665791.9	1663520.6	1.374	mg/L	4.121 ppm
1	Mo 202.030	-368.8	87.9	0.0064	mg/L	0.0191 ppm
1	Na 330.237	61773.3	62597.0	131.0	mg/L	392.9 ppm
1	Ni 231.604	-421.5	109.5	0.0022	mg/L	0.0066 ppm
1	Pb 220.353	125.2	-28.4	-0.0016	mg/L	-0.0049 ppm
1	Sb 206.833	108.3	-2.4	-0.0006	mg/L	-0.0018 ppm
1	Se 196.026	638.7	-2.5	-0.0008	mg/L	-0.0025 ppm
1	Tl 190.800	365.9	6.3	0.0020	mg/L	0.0060 ppm
1	V 292.402	-782.9	-57.1	-0.0007	mg/L	-0.0021 ppm
1	Zn 213.856	-1.2	211.2	0.0021	mg/L	0.0062 ppm
2	Ag 328.068	3640.0	-151.9	-0.0011	mg/L	-0.0032 ppm
2	Al 308.215	4979.4	325.7	0.0143	mg/L	0.0428 ppm
2	As 188.979	159.4	6.2	0.0018	mg/L	0.0055 ppm
2	Ba 233.527	28127.6	27357.5	0.0713	mg/L	0.2140 ppm
2	Be 313.107	1747.7	-334.1	-0.0001	mg/L	-0.0004 ppm
2	Ca 227.547	5062.7	4661.5	30.16	mg/L	90.47 ppm
2	Cd 228.802	108.7	12.7	0.0001	mg/L	0.0003 ppm
2	Co 228.616	-504.8	41.7	0.0005	mg/L	0.0014 ppm
2	Cr 267.716	43.4	235.8	0.0036	mg/L	0.0107 ppm
2	Cu 324.754	3060.9	110.5	0.0005	mg/L	0.0014 ppm
2	Fe 273.955	127008.5	126913.9	4.117	mg/L	12.35 ppm
2	K 766.491	141694.9	142137.9	11.30	mg/L	33.91 ppm
2	Mg 279.079	557506.6	555271.5	12.74	mg/L	38.22 ppm
2	Mn 257.610	1621649.4	1619378.2	1.337	mg/L	4.012 ppm
2	Mo 202.030	-368.5	88.1	0.0064	mg/L	0.0191 ppm
2	Na 330.237	62415.4	63239.1	132.3	mg/L	397.0 ppm
2	Ni 231.604	-450.4	80.6	0.0016	mg/L	0.0049 ppm
2	Pb 220.353	132.0	-21.6	-0.0012	mg/L	-0.0037 ppm
2	Sb 206.833	89.7	-21.0	-0.0052	mg/L	-0.0155 ppm
2	Se 196.026	638.0	-3.3	-0.0011	mg/L	-0.0033 ppm
2	Tl 190.800	360.2	0.6	0.0002	mg/L	0.0006 ppm
2	V 292.402	-738.3	-12.4	-0.0001	mg/L	-0.0004 ppm
2	Zn 213.856	-2.2	210.1	0.0020	mg/L	0.0061 ppm
3	Ag 328.068	3814.5	22.6	0.0002	mg/L	0.0005 ppm
3	Al 308.215	5180.3	526.6	0.0230	mg/L	0.0691 ppm
3	As 188.979	162.2	9.1	0.0027	mg/L	0.0081 ppm
3	Ba 233.527	28945.0	28174.8	0.0734	mg/L	0.2203 ppm
3	Be 313.107	1868.1	-213.8	-0.0001	mg/L	-0.0003 ppm
3	Ca 227.547	5048.9	4647.7	30.07	mg/L	90.20 ppm
3	Cd 228.802	97.2	1.3	0.0000	mg/L	0.0000 ppm
3	Co 228.616	-540.5	6.0	0.0001	mg/L	0.0002 ppm
3	Cr 267.716	93.5	285.9	0.0043	mg/L	0.0130 ppm
3	Cu 324.754	3129.6	179.1	0.0008	mg/L	0.0023 ppm
3	Fe 273.955	125230.3	125135.7	4.059	mg/L	12.18 ppm
3	K 766.491	148677.6	149120.6	11.81	mg/L	35.43 ppm
3	Mg 279.079	574324.3	572089.1	13.12	mg/L	39.37 ppm
3	Mn 257.610	1664971.0	1662699.8	1.373	mg/L	4.119 ppm
3	Mo 202.030	-380.4	76.3	0.0055	mg/L	0.0166 ppm
3	Na 330.237	61175.0	61998.6	129.7	mg/L	389.2 ppm
3	Ni 231.604	-466.4	64.6	0.0013	mg/L	0.0039 ppm
3	Pb 220.353	121.7	-31.9	-0.0018	mg/L	-0.0055 ppm
3	Sb 206.833	95.6	-15.1	-0.0037	mg/L	-0.0111 ppm
3	Se 196.026	637.3	-4.0	-0.0013	mg/L	-0.0040 ppm
3	Tl 190.800	365.8	6.2	0.0020	mg/L	0.0059 ppm
3	V 292.402	-828.6	-102.8	-0.0012	mg/L	-0.0037 ppm
3	Zn 213.856	3.7	216.1	0.0021	mg/L	0.0063 ppm

ean Data ----------

D: 6776-1 F=3
Sample Qty: 1.0000 mL

Seq. No.: 7 Sample No.: 30 A/S Pos: 39
Prep. Vol.: 1.0 mL Dilution: 1.0: 3.0
Data: Original Date: 5/19/03 2:39:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-7.3	-0.0001	0.00093	mg/L	-0.0002	0.00280	ppm	>999.9%
l 308.215	369.6	0.0162	0.00614	mg/L	0.0485	0.01842	ppm	37.97%
s 188.979	6.8	0.0020	0.00062	mg/L	0.0060	0.00186	ppm	30.79%
a 233.527	27636.4	0.0720	0.00122	mg/L	0.2161	0.00365	ppm	1.69%
e 313.107	-217.4	-0.0001	0.00005	mg/L	-0.0003	0.00014	ppm	52.84%
a 227.547	4647.6	30.07	0.091	mg/L	90.20	0.273	ppm	0.30%
d 228.802	7.5	0.0001	0.00005	mg/L	0.0002	0.00015	ppm	76.76%
o 228.616	18.7	0.0002	0.00022	mg/L	0.0006	0.00065	ppm	106.90%
r 267.716	246.9	0.0038	0.00053	mg/L	0.0113	0.00159	ppm	14.10%
u 324.754	209.5	0.0009	0.00050	mg/L	0.0027	0.00149	ppm	55.94%
e 273.955	125740.7	4.079	0.0330	mg/L	12.24	0.099	ppm	0.81%
766.491	146089.0	11.59	0.260	mg/L	34.77	0.779	ppm	2.24%
g 279.079	565583.5	12.98	0.207	mg/L	38.93	0.622	ppm	1.60%
n 257.610	1648532.9	1.361	0.0209	mg/L	4.084	0.0626	ppm	1.53%
o 202.030	84.1	0.0061	0.00049	mg/L	0.0183	0.00147	ppm	8.07%
a 330.237	62611.5	131.0	1.29	mg/L	393.0	3.88	ppm	0.99%
i 231.604	84.9	0.0017	0.00046	mg/L	0.0051	0.00138	ppm	26.82%
b 220.353	-27.3	-0.0016	0.00030	mg/L	-0.0047	0.00091	ppm	19.28%
b 206.833	-12.9	-0.0032	0.00233	mg/L	-0.0095	0.00700	ppm	73.96%
e 196.026	-3.3	-0.0011	0.00025	mg/L	-0.0033	0.00074	ppm	22.77%
l 190.800	4.4	0.0014	0.00104	mg/L	0.0041	0.00311	ppm	74.97%
292.402	-57.4	-0.0007	0.00054	mg/L	-0.0021	0.00163	ppm	78.67%
n 213.856	212.5	0.0021	0.00003	mg/L	0.0062	0.00009	ppm	1.49%

eplicate Data
D: 3205-2 F=1 Date: 5/19/03 2:43:02 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	3790.2	-1.7	0.0000	mg/L	0.0000	ppm
1	Al 308.215	5559.0	905.3	0.0396	mg/L	0.0396	ppm
1	As 188.979	149.1	-4.0	-0.0012	mg/L	-0.0012	ppm
1	Ba 233.527	1799.2	1029.0	0.0027	mg/L	0.0027	ppm
1	Be 313.107	1471.6	-610.3	-0.0003	mg/L	-0.0003	ppm
1	Ca 227.547	419.5	18.4	0.1189	mg/L	0.1189	ppm
1	Cd 228.802	125.8	29.8	0.0002	mg/L	0.0002	ppm
1	Co 228.616	-523.6	22.9	0.0003	mg/L	0.0003	ppm
1	Cr 267.716	120.1	312.4	0.0047	mg/L	0.0047	ppm
1	Cu 324.754	4098.1	1147.7	0.0049	mg/L	0.0049	ppm
1	Fe 273.955	1187.1	1092.5	0.0354	mg/L	0.0354	ppm
1	K 766.491	188.1	631.1	0.1517	mg/L	0.1517	ppm
1	Mg 279.079	5781.2	3546.0	0.0814	mg/L	0.0814	ppm
1	Mn 257.610	5381.3	3110.1	0.0026	mg/L	0.0026	ppm
1	Mo 202.030	-448.2	8.5	0.0006	mg/L	0.0006	ppm
1	Na 330.237	-700.4	123.3	0.8118	mg/L	0.8118	ppm
1	Ni 231.604	-380.0	151.0	0.0030	mg/L	0.0030	ppm
1	Pb 220.353	250.3	96.7	0.0056	mg/L	0.0056	ppm
1	Sb 206.833	110.5	-0.2	0.0000	mg/L	0.0000	ppm
1	Se 196.026	629.9	-11.3	-0.0038	mg/L	-0.0038	ppm
1	Tl 190.800	342.9	-16.7	-0.0053	mg/L	-0.0053	ppm
1	V 292.402	-757.6	-31.8	-0.0004	mg/L	-0.0004	ppm
1	Zn 213.856	245.2	457.6	0.0045	mg/L	0.0045	ppm
2	Ag 328.068	4061.5	269.5	0.0019	mg/L	0.0019	ppm
2	Al 308.215	5479.0	825.3	0.0361	mg/L	0.0361	ppm
2	As 188.979	150.3	-2.8	-0.0008	mg/L	-0.0008	ppm
2	Ba 233.527	1822.4	1052.3	0.0027	mg/L	0.0027	ppm
2	Be 313.107	1652.0	-429.9	-0.0002	mg/L	-0.0002	ppm
2	Ca 227.547	397.8	-3.3	-0.0215	mg/L	-0.0215	ppm
2	Cd 228.802	128.9	32.9	0.0003	mg/L	0.0003	ppm
2	Co 228.616	-535.1	11.4	0.0001	mg/L	0.0001	ppm
2	Cr 267.716	150.0	342.4	0.0052	mg/L	0.0052	ppm
2	Cu 324.754	4045.2	1094.8	0.0046	mg/L	0.0046	ppm
2	Fe 273.955	1064.8	970.2	0.0315	mg/L	0.0315	ppm
2	K 766.491	521.0	964.0	0.1803	mg/L	0.1803	ppm

2 Mg 279.079	6070.8	3835.6	0.0880	mg/L	0.0880 ppm
2 Mn 257.610	5395.7	3124.4	0.0026	mg/L	0.0026 ppm
2 Mo 202.030	-455.7	0.9	0.0001	mg/L	0.0001 ppm
2 Na 330.237	-662.2	161.5	0.8914	mg/L	0.8914 ppm
2 Ni 231.604	-422.1	108.9	0.0022	mg/L	0.0022 ppm
2 Pb 220.353	245.3	91.7	0.0053	mg/L	0.0053 ppm
2 Sb 206.833	104.3	-6.4	-0.0016	mg/L	-0.0016 ppm
2 Se 196.026	630.9	-10.3	-0.0034	mg/L	-0.0034 ppm
2 Tl 190.800	344.3	-15.2	-0.0048	mg/L	-0.0048 ppm
2 V 292.402	-839.8	-113.9	-0.0014	mg/L	-0.0014 ppm
2 Zn 213.856	256.0	468.4	0.0046	mg/L	0.0046 ppm
3 Ag 328.068	3930.8	138.9	0.0010	mg/L	0.0010 ppm
3 Al 308.215	5771.7	1118.0	0.0489	mg/L	0.0489 ppm
3 As 188.979	143.2	-9.9	-0.0029	mg/L	-0.0029 ppm
3 Ba 233.527	1848.4	1078.3	0.0028	mg/L	0.0028 ppm
3 Be 313.107	1543.6	-538.3	-0.0002	mg/L	-0.0002 ppm
3 Ca 227.547	391.5	-9.6	-0.0621	mg/L	-0.0621 ppm
3 Cd 228.802	149.0	53.1	0.0004	mg/L	0.0004 ppm
3 Co 228.616	-522.0	24.6	0.0003	mg/L	0.0003 ppm
3 Cr 267.716	183.1	375.4	0.0057	mg/L	0.0057 ppm
3 Cu 324.754	3873.9	923.4	0.0039	mg/L	0.0039 ppm
3 Fe 273.955	948.3	853.7	0.0277	mg/L	0.0277 ppm
3 K 766.491	556.0	998.9	0.1833	mg/L	0.1833 ppm
3 Mg 279.079	6075.7	3840.6	0.0881	mg/L	0.0881 ppm
3 Mn 257.610	5023.5	2752.3	0.0023	mg/L	0.0023 ppm
3 Mo 202.030	-455.6	1.1	0.0001	mg/L	0.0001 ppm
3 Na 330.237	-461.2	362.5	1.310	mg/L	1.310 ppm
3 Ni 231.604	-416.8	114.2	0.0023	mg/L	0.0023 ppm
3 Pb 220.353	291.5	137.9	0.0080	mg/L	0.0080 ppm
3 Sb 206.833	111.0	0.3	0.0001	mg/L	0.0001 ppm
3 Se 196.026	640.7	-0.6	-0.0002	mg/L	-0.0002 ppm
3 Tl 190.800	337.4	-22.2	-0.0070	mg/L	-0.0070 ppm
3 V 292.402	-714.5	11.4	0.0001	mg/L	0.0001 ppm
3 Zn 213.856	261.2	473.6	0.0046	mg/L	0.0046 ppm

ean Data ----------

D: 3205-2 F=1 Seq. No.: 8 Sample No.: 31 A/S Pos: 40
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 2:43:02 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	135.5	0.0010	0.00096	mg/L	0.0010	0.00096	ppm	100.08%
l 308.215	949.5	0.0416	0.00662	mg/L	0.0416	0.00662	ppm	15.93%
s 188.979	-5.6	-0.0017	0.00113	mg/L	-0.0017	0.00113	ppm	67.90%
a 233.527	1053.2	0.0027	0.00006	mg/L	0.0027	0.00006	ppm	2.34%
e 313.107	-526.1	-0.0002	0.00004	mg/L	-0.0002	0.00004	ppm	17.26%
a 227.547	1.8	0.0118	0.09501	mg/L	0.0118	0.09501	ppm	807.44%
d 228.802	38.6	0.0003	0.00011	mg/L	0.0003	0.00011	ppm	32.68%
o 228.616	19.6	0.0002	0.00008	mg/L	0.0002	0.00008	ppm	36.54%
r 267.716	343.4	0.0052	0.00048	mg/L	0.0052	0.00048	ppm	9.17%
u 324.754	1055.3	0.0045	0.00050	mg/L	0.0045	0.00050	ppm	11.11%
e 273.955	972.1	0.0315	0.00387	mg/L	0.0315	0.00387	ppm	12.28%
766.491	864.7	0.1717	0.01746	mg/L	0.1717	0.01746	ppm	10.17%
g 279.079	3740.7	0.0858	0.00387	mg/L	0.0858	0.00387	ppm	4.51%
n 257.610	2995.6	0.0025	0.00017	mg/L	0.0025	0.00017	ppm	7.04%
o 202.030	3.5	0.0003	0.00031	mg/L	0.0003	0.00031	ppm	123.08%
a 330.237	215.7	1.004	0.2674	mg/L	1.004	0.2674	ppm	26.63%
i 231.604	124.7	0.0025	0.00046	mg/L	0.0025	0.00046	ppm	18.38%
b 220.353	108.8	0.0063	0.00147	mg/L	0.0063	0.00147	ppm	23.28%
b 206.833	-2.1	-0.0005	0.00092	mg/L	-0.0005	0.00092	ppm	178.77%
e 196.026	-7.4	-0.0025	0.00198	mg/L	-0.0025	0.00198	ppm	80.26%
l 190.800	-18.1	-0.0057	0.00117	mg/L	-0.0057	0.00117	ppm	20.40%
292.402	-44.8	-0.0005	0.00077	mg/L	-0.0005	0.00077	ppm	142.15%
n 213.856	466.5	0.0045	0.00008	mg/L	0.0045	0.00008	ppm	1.75%

eplicate Data ----------

D: 3205-3 F=1 Date: 5/19/03 2:46:28 PM

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

1	Ag 328.068	3785.3	-6.7	0.0000	mg/L	0.0000 ppm
1	Al 308.215	5468.6	814.9	0.0357	mg/L	0.0357 ppm
1	As 188.979	146.5	-6.6	-0.0005	mg/L	-0.0005 ppm
1	Ba 233.527	16199.2	15429.0	0.0402	mg/L	0.0402 ppm
1	Be 313.107	1414.0	-667.8	-0.0003	mg/L	-0.0003 ppm
1	Ca 227.547	7522.4	7121.3	46.07	mg/L	46.07 ppm
1	Cd 228.802	125.6	29.7	0.0002	mg/L	0.0002 ppm
1	Co 228.616	-515.2	31.3	0.0003	mg/L	0.0003 ppm
1	Cr 267.716	640.6	833.0	0.0127	mg/L	0.0127 ppm
1	Cu 324.754	4044.0	1093.5	0.0046	mg/L	0.0046 ppm
1	Fe 273.955	4227.5	4132.9	0.1341	mg/L	0.1341 ppm
1	K 766.491	25221.5	25664.5	2.269	mg/L	2.269 ppm
1	Mg 279.079	662855.4	660620.2	15.16	mg/L	15.16 ppm
1	Mn 257.610	11126.8	8855.5	0.0073	mg/L	0.0073 ppm
1	Mo 202.030	-417.7	39.0	0.0028	mg/L	0.0028 ppm
1	Na 330.237	6223.1	7046.7	15.22	mg/L	15.22 ppm
1	Ni 231.604	-243.8	287.2	0.0058	mg/L	0.0058 ppm
1	Pb 220.353	159.1	5.5	0.0003	mg/L	0.0003 ppm
1	Sb 206.833	111.5	0.8	0.0002	mg/L	0.0002 ppm
1	Se 196.026	629.9	-11.4	-0.0038	mg/L	-0.0038 ppm
1	Tl 190.800	351.9	-7.6	-0.0024	mg/L	-0.0024 ppm
1	V 292.402	-553.3	172.5	0.0021	mg/L	0.0021 ppm
1	Zn 213.856	1266.8	1479.1	0.0144	mg/L	0.0144 ppm
2	Ag 328.068	3875.2	83.2	0.0006	mg/L	0.0006 ppm
2	Al 308.215	5162.8	509.1	0.0223	mg/L	0.0223 ppm
2	As 188.979	144.5	-8.7	-0.0010	mg/L	-0.0010 ppm
2	Ba 233.527	16525.3	15755.1	0.0411	mg/L	0.0411 ppm
2	Be 313.107	1496.7	-585.2	-0.0002	mg/L	-0.0002 ppm
2	Ca 227.547	7996.3	7595.2	49.13	mg/L	49.13 ppm
2	Cd 228.802	119.3	23.4	0.0002	mg/L	0.0002 ppm
2	Co 228.616	-554.6	-8.1	-0.0001	mg/L	-0.0001 ppm
2	Cr 267.716	444.1	636.4	0.0097	mg/L	0.0097 ppm
2	Cu 324.754	3890.6	940.2	0.0040	mg/L	0.0040 ppm
2	Fe 273.955	4519.4	4424.8	0.1435	mg/L	0.1435 ppm
2	K 766.491	26186.6	26629.5	2.349	mg/L	2.349 ppm
2	Mg 279.079	678790.0	676554.9	15.52	mg/L	15.52 ppm
2	Mn 257.610	11454.9	9183.7	0.0076	mg/L	0.0076 ppm
2	Mo 202.030	-423.2	33.5	0.0024	mg/L	0.0024 ppm
2	Na 330.237	6548.8	7372.5	15.90	mg/L	15.90 ppm
2	Ni 231.604	-270.3	260.7	0.0053	mg/L	0.0053 ppm
2	Pb 220.353	164.3	10.7	0.0006	mg/L	0.0006 ppm
2	Sb 206.833	110.2	-0.5	-0.0001	mg/L	-0.0001 ppm
2	Se 196.026	635.0	-6.2	-0.0021	mg/L	-0.0021 ppm
2	Tl 190.800	348.2	-11.3	-0.0036	mg/L	-0.0036 ppm
2	V 292.402	-618.5	107.3	0.0013	mg/L	0.0013 ppm
2	Zn 213.856	1301.0	1513.4	0.0147	mg/L	0.0147 ppm
3	Ag 328.068	3792.1	0.2	0.0000	mg/L	0.0000 ppm
3	Al 308.215	5543.1	889.4	0.0389	mg/L	0.0389 ppm
3	As 188.979	157.9	4.8	0.0030	mg/L	0.0030 ppm
3	Ba 233.527	16874.1	16104.0	0.0420	mg/L	0.0420 ppm
3	Be 313.107	1394.3	-687.6	-0.0003	mg/L	-0.0003 ppm
3	Ca 227.547	7973.0	7571.9	48.98	mg/L	48.98 ppm
3	Cd 228.802	119.7	23.7	0.0002	mg/L	0.0002 ppm
3	Co 228.616	-558.5	-12.0	-0.0001	mg/L	-0.0001 ppm
3	Cr 267.716	574.1	766.5	0.0116	mg/L	0.0116 ppm
3	Cu 324.754	4070.8	1120.3	0.0047	mg/L	0.0047 ppm
3	Fe 273.955	4340.1	4245.5	0.1377	mg/L	0.1377 ppm
3	K 766.491	26896.7	27339.7	2.408	mg/L	2.408 ppm
3	Mg 279.079	695757.7	693522.5	15.91	mg/L	15.91 ppm
3	Mn 257.610	11888.7	9617.5	0.0079	mg/L	0.0079 ppm
3	Mo 202.030	-410.1	46.6	0.0034	mg/L	0.0034 ppm
3	Na 330.237	6498.5	7322.2	15.79	mg/L	15.79 ppm
3	Ni 231.604	-252.1	278.9	0.0056	mg/L	0.0056 ppm
3	Pb 220.353	157.8	4.2	0.0002	mg/L	0.0002 ppm
3	Sb 206.833	87.3	-23.4	-0.0057	mg/L	-0.0057 ppm
3	Se 196.026	629.2	-12.0	-0.0040	mg/L	-0.0040 ppm
3	Tl 190.800	350.2	-9.3	-0.0030	mg/L	-0.0030 ppm
3	V 292.402	-681.5	44.3	0.0005	mg/L	0.0005 ppm
3	Zn 213.856	1297.7	1510.1	0.0147	mg/L	0.0147 ppm

ean Data

D: 3205-3 F=1 Seq. No.: 9 Sample No.: 32 A/S Pos: 41
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 2:46:28 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	25.6	0.0002	0.00035	mg/L	0.0002	0.00035	ppm	195.65%
l 308.215	737.8	0.0323	0.00882	mg/L	0.0323	0.00882	ppm	27.31%
s 188.979	-3.5	0.0005	0.00217	mg/L	0.0005	0.00217	ppm	465.14%
a 233.527	15762.7	0.0411	0.00088	mg/L	0.0411	0.00088	ppm	2.14%
e 313.107	-646.9	-0.0003	0.00002	mg/L	-0.0003	0.00002	ppm	8.40%
a 227.547	7429.4	48.06	1.728	mg/L	48.06	1.728	ppm	3.60%
d 228.802	25.6	0.0002	0.00003	mg/L	0.0002	0.00003	ppm	13.77%
o 228.616	3.8	0.0000	0.00026	mg/L	0.0000	0.00026	ppm	638.19%
r 267.716	745.3	0.0113	0.00152	mg/L	0.0113	0.00152	ppm	13.41%
u 324.754	1051.3	0.0044	0.00041	mg/L	0.0044	0.00041	ppm	9.25%
e 273.955	4267.8	0.1384	0.00478	mg/L	0.1384	0.00478	ppm	3.45%
766.491	26544.6	2.342	0.0698	mg/L	2.342	0.0698	ppm	2.98%
g 279.079	676899.2	15.53	0.377	mg/L	15.53	0.377	ppm	2.43%
n 257.610	9218.9	0.0076	0.00032	mg/L	0.0076	0.00032	ppm	4.15%
o 202.030	39.7	0.0029	0.00048	mg/L	0.0029	0.00048	ppm	16.56%
a 330.237	7247.1	15.64	0.365	mg/L	15.64	0.365	ppm	2.33%
i 231.604	275.6	0.0056	0.00027	mg/L	0.0056	0.00027	ppm	4.92%
b 220.353	6.8	0.0004	0.00020	mg/L	0.0004	0.00020	ppm	50.46%
b 206.833	-7.7	-0.0019	0.00334	mg/L	-0.0019	0.00334	ppm	176.25%
e 196.026	-9.9	-0.0033	0.00106	mg/L	-0.0033	0.00106	ppm	32.16%
l 190.800	-9.4	-0.0030	0.00059	mg/L	-0.0030	0.00059	ppm	19.67%
292.402	108.1	0.0013	0.00077	mg/L	0.0013	0.00077	ppm	59.31%
n 213.856	1500.9	0.0146	0.00018	mg/L	0.0146	0.00018	ppm	1.26%

eplicate Data

D: 3205-4 F=1 Date: 5/19/03 2:49:55 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	3645.5	-146.4	-0.0010	mg/L	-0.0010	ppm
1	Al 308.215	5420.3	766.6	0.0336	mg/L	0.0336	ppm
1	As 188.979	156.7	3.5	0.0027	mg/L	0.0027	ppm
1	Ba 233.527	16140.7	15370.5	0.0401	mg/L	0.0401	ppm
1	Be 313.107	1364.5	-717.3	-0.0003	mg/L	-0.0003	ppm
1	Ca 227.547	8564.9	8163.7	52.81	mg/L	52.81	ppm
1	Cd 228.802	129.1	33.1	0.0003	mg/L	0.0003	ppm
1	Co 228.616	-543.6	2.9	0.0000	mg/L	0.0000	ppm
1	Cr 267.716	246.6	439.0	0.0067	mg/L	0.0067	ppm
1	Cu 324.754	5033.5	2083.1	0.0088	mg/L	0.0088	ppm
1	Fe 273.955	5400.0	5305.4	0.1721	mg/L	0.1721	ppm
1	K 766.491	27025.8	27468.8	2.419	mg/L	2.419	ppm
1	Mg 279.079	755812.8	753577.6	17.29	mg/L	17.29	ppm
1	Mn 257.610	4199.0	1927.7	0.0016	mg/L	0.0016	ppm
1	Mo 202.030	-323.8	132.9	0.0096	mg/L	0.0096	ppm
1	Na 330.237	8314.3	9138.0	19.57	mg/L	19.57	ppm
1	Ni 231.604	-354.9	176.1	0.0036	mg/L	0.0036	ppm
1	Pb 220.353	165.5	11.9	0.0007	mg/L	0.0007	ppm
1	Sb 206.833	111.7	1.0	0.0002	mg/L	0.0002	ppm
1	Se 196.026	625.9	-15.4	-0.0051	mg/L	-0.0051	ppm
1	Tl 190.800	345.1	-14.5	-0.0046	mg/L	-0.0046	ppm
1	V 292.402	-415.0	310.8	0.0037	mg/L	0.0037	ppm
1	Zn 213.856	865.9	1078.2	0.0105	mg/L	0.0105	ppm
2	Ag 328.068	4045.4	253.5	0.0018	mg/L	0.0018	ppm
2	Al 308.215	5413.6	759.9	0.0333	mg/L	0.0333	ppm
2	As 188.979	141.0	-12.2	-0.0020	mg/L	-0.0020	ppm
2	Ba 233.527	16115.1	15344.9	0.0400	mg/L	0.0400	ppm
2	Be 313.107	1507.2	-574.7	-0.0002	mg/L	-0.0002	ppm
2	Ca 227.547	8573.8	8172.6	52.87	mg/L	52.87	ppm
2	Cd 228.802	124.3	28.3	0.0002	mg/L	0.0002	ppm
2	Co 228.616	-555.0	-8.4	-0.0001	mg/L	-0.0001	ppm
2	Cr 267.716	166.9	359.2	0.0055	mg/L	0.0055	ppm
2	Cu 324.754	5045.2	2094.7	0.0089	mg/L	0.0089	ppm

2 Fe 273.955	5517.6	5423.0	0.1759	mg/L	0.1759 ppm
2 K 766.491	27470.9	27913.8	2.456	mg/L	2.456 ppm
2 Mg 279.079	766485.1	764250.0	17.53	mg/L	17.53 ppm
2 Mn 257.610	4150.7	1879.4	0.0016	mg/L	0.0016 ppm
2 Mo 202.030	-329.6	127.1	0.0092	mg/L	0.0092 ppm
2 Na 330.237	8213.6	9037.3	19.36	mg/L	19.36 ppm
2 Ni 231.604	-376.3	154.7	0.0031	mg/L	0.0031 ppm
2 Pb 220.353	164.6	11.0	0.0006	mg/L	0.0006 ppm
2 Sb 206.833	108.8	-1.9	-0.0005	mg/L	-0.0005 ppm
2 Se 196.026	627.1	-14.2	-0.0047	mg/L	-0.0047 ppm
2 Tl 190.800	340.6	-18.9	-0.0060	mg/L	-0.0060 ppm
2 V 292.402	-540.8	185.0	0.0022	mg/L	0.0022 ppm
2 Zn 213.856	868.1	1080.5	0.0105	mg/L	0.0105 ppm
3 Ag 328.068	3670.9	-121.1	-0.0009	mg/L	-0.0009 ppm
3 Al 308.215	5485.2	831.5	0.0364	mg/L	0.0364 ppm
3 As 188.979	158.0	4.8	0.0031	mg/L	0.0031 ppm
3 Ba 233.527	16314.8	15544.7	0.0405	mg/L	0.0405 ppm
3 Be 313.107	1385.8	-696.1	-0.0003	mg/L	-0.0003 ppm
3 Ca 227.547	8724.0	8322.9	53.84	mg/L	53.84 ppm
3 Cd 228.802	147.0	51.0	0.0004	mg/L	0.0004 ppm
3 Co 228.616	-562.2	-15.7	-0.0002	mg/L	-0.0002 ppm
3 Cr 267.716	234.6	427.0	0.0065	mg/L	0.0065 ppm
3 Cu 324.754	4933.3	1982.8	0.0084	mg/L	0.0084 ppm
3 Fe 273.955	5662.7	5568.1	0.1806	mg/L	0.1806 ppm
3 K 766.491	28100.5	28543.5	2.508	mg/L	2.508 ppm
3 Mg 279.079	773440.2	771205.1	17.69	mg/L	17.69 ppm
3 Mn 257.610	4071.9	1800.7	0.0015	mg/L	0.0015 ppm
3 Mo 202.030	-323.9	132.8	0.0096	mg/L	0.0096 ppm
3 Na 330.237	8193.5	9017.1	19.32	mg/L	19.32 ppm
3 Ni 231.604	-380.7	150.3	0.0030	mg/L	0.0030 ppm
3 Pb 220.353	150.1	-3.5	-0.0002	mg/L	-0.0002 ppm
3 Sb 206.833	106.8	-3.9	-0.0010	mg/L	-0.0010 ppm
3 Se 196.026	641.6	0.4	0.0001	mg/L	0.0001 ppm
3 Tl 190.800	343.2	-16.4	-0.0052	mg/L	-0.0052 ppm
3 V 292.402	-497.2	228.7	0.0028	mg/L	0.0028 ppm
3 Zn 213.856	893.2	1105.6	0.0108	mg/L	0.0108 ppm

ean Data ----------

D: 3205-4 F=1 Seq. No.: 10 Sample No.: 33 A/S Pos: 42

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

Data: Original Date: 5/19/03 2:49:55 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
g 328.068	-4.7	0.0000	0.00158	mg/L	0.0000	0.00158	ppm	>999.9%
l 308.215	786.0	0.0344	0.00173	mg/L	0.0344	0.00173	ppm	5.03%
s 188.979	-1.3	0.0013	0.00281	mg/L	0.0013	0.00281	ppm	218.59%
a 233.527	15420.0	0.0402	0.00028	mg/L	0.0402	0.00028	ppm	0.70%
e 313.107	-662.7	-0.0003	0.00003	mg/L	-0.0003	0.00003	ppm	11.61%
a 227.547	8219.8	53.17	0.578	mg/L	53.17	0.578	ppm	1.09%
d 228.802	37.5	0.0003	0.00010	mg/L	0.0003	0.00010	ppm	31.92%
o 228.616	-7.1	-0.0001	0.00010	mg/L	-0.0001	0.00010	ppm	132.35%
r 267.716	408.4	0.0062	0.00065	mg/L	0.0062	0.00065	ppm	10.53%
u 324.754	2053.5	0.0087	0.00026	mg/L	0.0087	0.00026	ppm	3.00%
e 273.955	5432.2	0.1762	0.00427	mg/L	0.1762	0.00427	ppm	2.42%
766.491	27975.4	2.461	0.0448	mg/L	2.461	0.0448	ppm	1.82%
g 279.079	763010.9	17.51	0.204	mg/L	17.51	0.204	ppm	1.16%
n 257.610	1869.3	0.0015	0.00005	mg/L	0.0015	0.00005	ppm	3.43%
o 202.030	130.9	0.0095	0.00024	mg/L	0.0095	0.00024	ppm	2.55%
a 330.237	9064.1	19.42	0.135	mg/L	19.42	0.135	ppm	0.69%
i 231.604	160.4	0.0032	0.00028	mg/L	0.0032	0.00028	ppm	8.61%
b 220.353	6.5	0.0004	0.00050	mg/L	0.0004	0.00050	ppm	133.88%
b 206.833	-1.6	-0.0004	0.00060	mg/L	-0.0004	0.00060	ppm	150.14%
e 196.026	-9.7	-0.0032	0.00293	mg/L	-0.0032	0.00293	ppm	90.17%
l 190.800	-16.6	-0.0053	0.00071	mg/L	-0.0053	0.00071	ppm	13.45%
292.402	241.5	0.0029	0.00077	mg/L	0.0029	0.00077	ppm	26.45%
n 213.856	1088.1	0.0106	0.00015	mg/L	0.0106	0.00015	ppm	1.39%

plicate Data ----------

D: 3205-5 F=1 Date: 5/19/03 2:53:23 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	3697.3	-94.6	-0.0007	mg/L	-0.0007	ppm
1	Al 308.215	5258.1	604.4	0.0265	mg/L	0.0265	ppm
1	As 188.979	138.8	-14.4	-0.0021	mg/L	-0.0021	ppm
1	Ba 233.527	22438.4	21668.2	0.0565	mg/L	0.0565	ppm
1	Be 313.107	1348.5	-733.4	-0.0003	mg/L	-0.0003	ppm
1	Ca 227.547	11186.3	10785.2	69.77	mg/L	69.77	ppm
1	Cd 228.802	122.4	26.5	0.0002	mg/L	0.0002	ppm
1	Co 228.616	-523.9	22.7	0.0002	mg/L	0.0002	ppm
1	Cr 267.716	483.8	676.2	0.0103	mg/L	0.0103	ppm
1	Cu 324.754	3827.9	877.4	0.0037	mg/L	0.0037	ppm
1	Fe 273.955	1896.9	1802.3	0.0585	mg/L	0.0585	ppm
1	K 766.491	33548.8	33991.8	2.958	mg/L	2.958	ppm
1	Mg 279.079	865063.8	862828.6	19.80	mg/L	19.80	ppm
1	Mn 257.610	9652.1	7380.8	0.0061	mg/L	0.0061	ppm
1	Mo 202.030	-335.6	121.0	0.0088	mg/L	0.0088	ppm
1	Na 330.237	9707.7	10531.3	22.47	mg/L	22.47	ppm
1	Ni 231.604	-293.7	237.3	0.0048	mg/L	0.0048	ppm
1	Pb 220.353	154.2	0.6	0.0000	mg/L	0.0000	ppm
1	Sb 206.833	108.4	-2.3	-0.0006	mg/L	-0.0006	ppm
1	Se 196.026	638.3	-3.0	-0.0010	mg/L	-0.0010	ppm
1	Tl 190.800	343.6	-16.0	-0.0051	mg/L	-0.0051	ppm
1	V 292.402	-314.2	411.7	0.0050	mg/L	0.0050	ppm
1	Zn 213.856	1024.3	1236.7	0.0120	mg/L	0.0120	ppm
2	Ag 328.068	3661.5	-130.4	-0.0009	mg/L	-0.0009	ppm
2	Al 308.215	5586.0	932.3	0.0408	mg/L	0.0408	ppm
2	As 188.979	148.6	-4.5	0.0010	mg/L	0.0010	ppm
2	Ba 233.527	23873.9	23103.8	0.0602	mg/L	0.0602	ppm
2	Be 313.107	1306.2	-775.7	-0.0003	mg/L	-0.0003	ppm
2	Ca 227.547	11887.4	11486.2	74.31	mg/L	74.31	ppm
2	Cd 228.802	150.5	54.6	0.0005	mg/L	0.0005	ppm
2	Co 228.616	-529.8	16.7	0.0002	mg/L	0.0002	ppm
2	Cr 267.716	519.6	712.0	0.0108	mg/L	0.0108	ppm
2	Cu 324.754	3828.7	878.3	0.0037	mg/L	0.0037	ppm
2	Fe 273.955	1818.7	1724.1	0.0559	mg/L	0.0559	ppm
2	K 766.491	36717.6	37160.6	3.218	mg/L	3.218	ppm
2	Mg 279.079	927211.8	924976.6	21.22	mg/L	21.22	ppm
2	Mn 257.610	9937.1	7665.9	0.0063	mg/L	0.0063	ppm
2	Mo 202.030	-338.8	117.9	0.0085	mg/L	0.0085	ppm
2	Na 330.237	10966.8	11790.5	25.10	mg/L	25.10	ppm
2	Ni 231.604	-298.4	232.6	0.0047	mg/L	0.0047	ppm
2	Pb 220.353	148.4	-5.2	-0.0003	mg/L	-0.0003	ppm
2	Sb 206.833	100.5	-10.2	-0.0025	mg/L	-0.0025	ppm
2	Se 196.026	627.9	-13.3	-0.0044	mg/L	-0.0044	ppm
2	Tl 190.800	342.6	-17.0	-0.0054	mg/L	-0.0054	ppm
2	V 292.402	-414.0	311.9	0.0038	mg/L	0.0038	ppm
2	Zn 213.856	1044.5	1256.8	0.0122	mg/L	0.0122	ppm
3	Ag 328.068	3873.9	81.9	0.0006	mg/L	0.0006	ppm
3	Al 308.215	5291.4	637.7	0.0279	mg/L	0.0279	ppm
3	As 188.979	145.5	-7.7	-0.0001	mg/L	-0.0001	ppm
3	Ba 233.527	22733.6	21963.5	0.0573	mg/L	0.0573	ppm
3	Be 313.107	1388.0	-693.9	-0.0003	mg/L	-0.0003	ppm
3	Ca 227.547	11318.7	10917.5	70.63	mg/L	70.63	ppm
3	Cd 228.802	158.4	62.4	0.0005	mg/L	0.0005	ppm
3	Co 228.616	-518.9	27.6	0.0003	mg/L	0.0003	ppm
3	Cr 267.716	465.9	658.2	0.0100	mg/L	0.0100	ppm
3	Cu 324.754	3990.9	1040.4	0.0044	mg/L	0.0044	ppm
3	Fe 273.955	1933.5	1838.9	0.0597	mg/L	0.0597	ppm
3	K 766.491	33755.5	34198.5	2.975	mg/L	2.975	ppm
3	Mg 279.079	878797.0	876561.8	20.11	mg/L	20.11	ppm
3	Mn 257.610	9481.6	7210.4	0.0060	mg/L	0.0060	ppm
3	Mo 202.030	-342.2	114.5	0.0083	mg/L	0.0083	ppm
3	Na 330.237	10091.9	10915.5	23.27	mg/L	23.27	ppm
3	Ni 231.604	-302.9	228.1	0.0046	mg/L	0.0046	ppm
3	Pb 220.353	163.7	10.1	0.0006	mg/L	0.0006	ppm
3	Sb 206.833	122.1	11.4	0.0028	mg/L	0.0028	ppm
3	Se 196.026	638.7	-2.5	-0.0008	mg/L	-0.0008	ppm
3	Tl 190.800	341.9	-17.6	-0.0056	mg/L	-0.0056	ppm

3 V 292.402	-291.0	434.8	0.0052 mg/L	0.0052 ppm
3 Zn 213.856	1074.9	1287.3	0.0125 mg/L	0.0125 ppm

ean Data

D: 3205-5 F=1 Seq. No.: 11 Sample No.: 34 A/S Pos: 43
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 2:53:23 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-47.7	-0.0003	0.00080	mg/L	-0.0003	0.00080	ppm	238.36%
l 308.215	724.8	0.0317	0.00790	mg/L	0.0317	0.00790	ppm	24.90%
s 188.979	-8.9	-0.0004	0.00156	mg/L	-0.0004	0.00156	ppm	400.17%
a 233.527	22245.1	0.0580	0.00198	mg/L	0.0580	0.00198	ppm	3.41%
e 313.107	-734.3	-0.0003	0.00002	mg/L	-0.0003	0.00002	ppm	5.57%
a 227.547	11063.0	71.57	2.410	mg/L	71.57	2.410	ppm	3.37%
d 228.802	47.8	0.0004	0.00016	mg/L	0.0004	0.00016	ppm	39.52%
o 228.616	22.3	0.0002	0.00006	mg/L	0.0002	0.00006	ppm	24.38%
r 267.716	682.1	0.0104	0.00042	mg/L	0.0104	0.00042	ppm	4.01%
u 324.754	932.0	0.0039	0.00040	mg/L	0.0039	0.00040	ppm	10.07%
e 273.955	1788.4	0.0580	0.00190	mg/L	0.0580	0.00190	ppm	3.28%
766.491	35117.0	3.050	0.1455	mg/L	3.050	0.1455	ppm	4.77%
g 279.079	888122.4	20.38	0.749	mg/L	20.38	0.749	ppm	3.68%
n 257.610	7419.0	0.0061	0.00019	mg/L	0.0061	0.00019	ppm	3.10%
o 202.030	117.8	0.0085	0.00024	mg/L	0.0085	0.00024	ppm	2.76%
a 330.237	11079.1	23.62	1.343	mg/L	23.62	1.343	ppm	5.69%
i 231.604	232.7	0.0047	0.00009	mg/L	0.0047	0.00009	ppm	1.97%
b 220.353	1.8	0.0001	0.00045	mg/L	0.0001	0.00045	ppm	419.70%
b 206.833	-0.4	-0.0001	0.00269	mg/L	-0.0001	0.00269	ppm	>999.9%
e 196.026	-6.3	-0.0021	0.00203	mg/L	-0.0021	0.00203	ppm	97.28%
l 190.800	-16.9	-0.0053	0.00026	mg/L	-0.0053	0.00026	ppm	4.87%
292.402	386.1	0.0047	0.00079	mg/L	0.0047	0.00079	ppm	16.92%
n 213.856	1260.3	0.0123	0.00025	mg/L	0.0123	0.00025	ppm	2.02%

eplicate Data

D: 3205-6 F=1 Date: 5/19/03 2:56:52 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Ag 328.068	3861.1	69.2	0.0005	mg/L	0.0005	ppm
1	Al 308.215	4849.4	195.7	0.0086	mg/L	0.0086	ppm
1	As 188.979	145.3	-7.9	-0.0010	mg/L	-0.0010	ppm
1	Ba 233.527	21297.7	20527.5	0.0535	mg/L	0.0535	ppm
1	Be 313.107	1187.3	-894.5	-0.0004	mg/L	-0.0004	ppm
1	Ca 227.547	6821.6	6420.4	41.53	mg/L	41.53	ppm
1	Cd 228.802	159.3	63.4	0.0005	mg/L	0.0005	ppm
1	Co 228.616	-567.7	-21.1	-0.0002	mg/L	-0.0002	ppm
1	Cr 267.716	183.9	376.2	0.0057	mg/L	0.0057	ppm
1	Cu 324.754	3306.4	356.0	0.0015	mg/L	0.0015	ppm
1	Fe 273.955	5393.8	5299.2	0.1719	mg/L	0.1719	ppm
1	K 766.491	21127.9	21570.9	1.928	mg/L	1.928	ppm
1	Mg 279.079	603419.4	601184.3	13.79	mg/L	13.79	ppm
1	Mn 257.610	5159.8	2888.5	0.0024	mg/L	0.0024	ppm
1	Mo 202.030	-315.6	141.1	0.0102	mg/L	0.0102	ppm
1	Na 330.237	12720.8	13544.4	28.75	mg/L	28.75	ppm
1	Ni 231.604	-416.9	114.1	0.0023	mg/L	0.0023	ppm
1	Pb 220.353	136.6	-16.9	-0.0010	mg/L	-0.0010	ppm
1	Sb 206.833	118.4	7.7	0.0019	mg/L	0.0019	ppm
1	Se 196.026	629.6	-11.6	-0.0039	mg/L	-0.0039	ppm
1	Tl 190.800	338.6	-21.0	-0.0067	mg/L	-0.0067	ppm
1	V 292.402	-492.7	233.1	0.0028	mg/L	0.0028	ppm
1	Zn 213.856	1895.2	2107.5	0.0205	mg/L	0.0205	ppm
2	Ag 328.068	3706.6	-85.4	-0.0006	mg/L	-0.0006	ppm
2	Al 308.215	4855.0	201.3	0.0088	mg/L	0.0088	ppm
2	As 188.979	158.0	4.8	0.0028	mg/L	0.0028	ppm
2	Ba 233.527	20883.0	20112.9	0.0524	mg/L	0.0524	ppm
2	Be 313.107	1179.6	-902.3	-0.0004	mg/L	-0.0004	ppm
2	Ca 227.547	6871.7	6470.5	41.86	mg/L	41.86	ppm
2	Cd 228.802	127.6	31.6	0.0003	mg/L	0.0003	ppm
2	Co 228.616	-576.8	-30.3	-0.0003	mg/L	-0.0003	ppm

2 Cr 267.716	113.8	306.2	0.0047 mg/L	0.0047 ppm
2 Cu 324.754	3223.9	273.5	0.0012 mg/L	0.0012 ppm
2 Fe 273.955	5214.1	5119.5	0.1661 mg/L	0.1661 ppm
2 K 766.491	21233.1	21676.1	1.936 mg/L	1.936 ppm
2 Mg 279.079	595931.0	593695.8	13.62 mg/L	13.62 ppm
2 Mn 257.610	5075.0	2803.8	0.0023 mg/L	0.0023 ppm
2 Mo 202.030	-310.0	146.7	0.0106 mg/L	0.0106 ppm
2 Na 330.237	12428.8	13252.4	28.14 mg/L	28.14 ppm
2 Ni 231.604	-424.2	106.8	0.0022 mg/L	0.0022 ppm
2 Pb 220.353	180.9	27.3	0.0016 mg/L	0.0016 ppm
2 Sb 206.833	94.6	-16.2	-0.0040 mg/L	-0.0040 ppm
2 Se 196.026	638.5	-2.8	-0.0009 mg/L	-0.0009 ppm
2 Tl 190.800	342.8	-16.8	-0.0053 mg/L	-0.0053 ppm
2 V 292.402	-300.4	425.5	0.0051 mg/L	0.0051 ppm
2 Zn 213.856	1940.8	2153.1	0.0209 mg/L	0.0209 ppm
3 Ag 328.068	3734.3	-57.6	-0.0004 mg/L	-0.0004 ppm
3 Al 308.215	4870.5	216.8	0.0095 mg/L	0.0095 ppm
3 As 188.979	149.1	-4.0	0.0001 mg/L	0.0001 ppm
3 Ba 233.527	21450.3	20680.2	0.0539 mg/L	0.0539 ppm
3 Be 313.107	1251.2	-830.6	-0.0003 mg/L	-0.0003 ppm
3 Ca 227.547	6821.6	6420.5	41.53 mg/L	41.53 ppm
3 Cd 228.802	130.0	34.1	0.0003 mg/L	0.0003 ppm
3 Co 228.616	-563.0	-16.5	-0.0002 mg/L	-0.0002 ppm
3 Cr 267.716	89.1	281.4	0.0043 mg/L	0.0043 ppm
3 Cu 324.754	3128.6	178.1	0.0008 mg/L	0.0008 ppm
3 Fe 273.955	5334.0	5239.4	0.1700 mg/L	0.1700 ppm
3 K 766.491	22104.8	22547.8	2.009 mg/L	2.009 ppm
3 Mg 279.079	610614.2	608379.1	13.96 mg/L	13.96 ppm
3 Mn 257.610	5443.4	3172.1	0.0026 mg/L	0.0026 ppm
3 Mo 202.030	-311.1	145.6	0.0105 mg/L	0.0105 ppm
3 Na 330.237	13022.5	13846.2	29.38 mg/L	29.38 ppm
3 Ni 231.604	-444.5	86.5	0.0017 mg/L	0.0017 ppm
3 Pb 220.353	167.8	14.2	0.0008 mg/L	0.0008 ppm
3 Sb 206.833	107.9	-2.8	-0.0007 mg/L	-0.0007 ppm
3 Se 196.026	611.6	-29.7	-0.0099 mg/L	-0.0099 ppm
3 Tl 190.800	343.6	-16.0	-0.0051 mg/L	-0.0051 ppm
3 V 292.402	-428.8	297.0	0.0036 mg/L	0.0036 ppm
3 Zn 213.856	1939.1	2151.4	0.0209 mg/L	0.0209 ppm

ean Data ----------

D: 3205-6 F=1 Seq. No.: 12 Sample No.: 35 A/S Pos: 44
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 2:56:52 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-24.6	-0.0002	0.00058	mg/L	-0.0002	0.00058	ppm	335.05%
L 308.215	204.6	0.0090	0.00048	mg/L	0.0090	0.00048	ppm	5.33%
s 188.979	-2.4	0.0006	0.00195	mg/L	0.0006	0.00195	ppm	322.14%
a 233.527	20440.2	0.0533	0.00077	mg/L	0.0533	0.00077	ppm	1.44%
e 313.107	-875.8	-0.0004	0.00002	mg/L	-0.0004	0.00002	ppm	4.49%
a 227.547	6437.1	41.64	0.187	mg/L	41.64	0.187	ppm	0.45%
d 228.802	43.0	0.0004	0.00015	mg/L	0.0004	0.00015	ppm	41.07%
o 228.616	-22.6	-0.0002	0.00008	mg/L	-0.0002	0.00008	ppm	31.13%
r 267.716	321.3	0.0049	0.00075	mg/L	0.0049	0.00075	ppm	15.30%
u 324.754	269.2	0.0011	0.00038	mg/L	0.0011	0.00038	ppm	33.06%
e 273.955	5219.4	0.1693	0.00297	mg/L	0.1693	0.00297	ppm	1.75%
766.491	21931.6	1.958	0.0448	mg/L	1.958	0.0448	ppm	2.29%
g 279.079	601086.4	13.79	0.168	mg/L	13.79	0.168	ppm	1.22%
n 257.610	2954.8	0.0024	0.00016	mg/L	0.0024	0.00016	ppm	6.53%
o 202.030	144.4	0.0105	0.00022	mg/L	0.0105	0.00022	ppm	2.06%
a 330.237	13547.7	28.75	0.618	mg/L	28.75	0.618	ppm	2.15%
. 231.604	102.5	0.0021	0.00029	mg/L	0.0021	0.00029	ppm	13.95%
b 220.353	8.2	0.0005	0.00132	mg/L	0.0005	0.00132	ppm	278.11%
b 206.833	-3.8	-0.0009	0.00293	mg/L	-0.0009	0.00293	ppm	318.30%
e 196.026	-14.7	-0.0049	0.00458	mg/L	-0.0049	0.00458	ppm	93.40%
. 190.800	-17.9	-0.0057	0.00085	mg/L	-0.0057	0.00085	ppm	15.00%
292.402	318.5	0.0038	0.00118	mg/L	0.0038	0.00118	ppm	30.75%
n 213.856	2137.4	0.0208	0.00025	mg/L	0.0208	0.00025	ppm	1.21%

plicate Data ----------

D: 3205-7 F=1 Date: 5/19/03 3:00:20 PM

epl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	3862.4	70.5	0.0005	mg/L	0.0005	ppm
1	Al 308.215	5853.5	1199.8	0.0525	mg/L	0.0525	ppm
1	As 188.979	152.6	-0.5	-0.0002	mg/L	-0.0002	ppm
1	Ba 233.527	23842.6	23072.5	0.0601	mg/L	0.0601	ppm
1	Be 313.107	1270.9	-811.0	-0.0003	mg/L	-0.0003	ppm
1	Ca 227.547	1770.5	1369.4	8.859	mg/L	8.859	ppm
1	Cd 228.802	142.0	46.0	0.0004	mg/L	0.0004	ppm
1	Co 228.616	-555.6	-9.1	-0.0001	mg/L	-0.0001	ppm
1	Cr 267.716	691.4	883.7	0.0134	mg/L	0.0134	ppm
1	Cu 324.754	3962.6	1012.1	0.0043	mg/L	0.0043	ppm
1	Fe 273.955	6542.7	6448.1	0.2092	mg/L	0.2092	ppm
1	K 766.491	19967.8	20410.7	1.830	mg/L	1.830	ppm
1	Mg 279.079	208184.3	205949.1	4.725	mg/L	4.725	ppm
1	Mn 257.610	7594.9	5323.6	0.0044	mg/L	0.0044	ppm
1	Mo 202.030	-246.1	210.5	0.0152	mg/L	0.0152	ppm
1	Na 330.237	24657.8	25481.5	53.61	mg/L	53.61	ppm
1	Ni 231.604	-106.2	424.8	0.0086	mg/L	0.0086	ppm
1	Pb 220.353	119.4	-34.2	-0.0020	mg/L	-0.0020	ppm
1	Sb 206.833	104.4	-6.3	-0.0015	mg/L	-0.0015	ppm
1	Se 196.026	635.7	-5.5	-0.0018	mg/L	-0.0018	ppm
1	Tl 190.800	344.8	-14.8	-0.0047	mg/L	-0.0047	ppm
1	V 292.402	-768.5	-42.7	-0.0005	mg/L	-0.0005	ppm
1	Zn 213.856	788.6	1001.0	0.0097	mg/L	0.0097	ppm
2	Ag 328.068	3913.7	121.8	0.0009	mg/L	0.0009	ppm
2	Al 308.215	5877.0	1223.3	0.0535	mg/L	0.0535	ppm
2	As 188.979	160.4	7.2	0.0021	mg/L	0.0021	ppm
2	Ba 233.527	23130.1	22359.9	0.0583	mg/L	0.0583	ppm
2	Be 313.107	1069.8	-1012.0	-0.0004	mg/L	-0.0004	ppm
2	Ca 227.547	1824.4	1423.3	9.208	mg/L	9.208	ppm
2	Cd 228.802	141.1	45.2	0.0004	mg/L	0.0004	ppm
2	Co 228.616	-547.3	-0.8	0.0000	mg/L	0.0000	ppm
2	Cr 267.716	764.0	956.4	0.0145	mg/L	0.0145	ppm
2	Cu 324.754	3867.5	917.0	0.0039	mg/L	0.0039	ppm
2	Fe 273.955	6476.6	6382.0	0.2070	mg/L	0.2070	ppm
2	K 766.491	20169.0	20612.0	1.847	mg/L	1.847	ppm
2	Mg 279.079	206035.0	203799.8	4.676	mg/L	4.676	ppm
2	Mn 257.610	7596.4	5325.2	0.0044	mg/L	0.0044	ppm
2	Mo 202.030	-242.0	214.7	0.0156	mg/L	0.0156	ppm
2	Na 330.237	24344.4	25168.0	52.95	mg/L	52.95	ppm
2	Ni 231.604	-92.3	438.7	0.0088	mg/L	0.0088	ppm
2	Pb 220.353	136.7	-16.9	-0.0010	mg/L	-0.0010	ppm
2	Sb 206.833	102.6	-8.1	-0.0020	mg/L	-0.0020	ppm
2	Se 196.026	637.4	-3.8	-0.0013	mg/L	-0.0013	ppm
2	Tl 190.800	340.7	-18.9	-0.0060	mg/L	-0.0060	ppm
2	V 292.402	-764.6	-38.8	-0.0005	mg/L	-0.0005	ppm
2	Zn 213.856	825.9	1038.3	0.0101	mg/L	0.0101	ppm
3	Ag 328.068	3855.5	63.6	0.0004	mg/L	0.0004	ppm
3	Al 308.215	5594.8	941.1	0.0412	mg/L	0.0412	ppm
3	As 188.979	149.7	-3.5	-0.0010	mg/L	-0.0010	ppm
3	Ba 233.527	22917.8	22147.6	0.0577	mg/L	0.0577	ppm
3	Be 313.107	1117.0	-964.8	-0.0004	mg/L	-0.0004	ppm
3	Ca 227.547	1763.3	1362.2	8.812	mg/L	8.812	ppm
3	Cd 228.802	129.8	33.9	0.0003	mg/L	0.0003	ppm
3	Co 228.616	-559.5	-13.0	-0.0001	mg/L	-0.0001	ppm
3	Cr 267.716	785.2	977.6	0.0149	mg/L	0.0149	ppm
3	Cu 324.754	3901.4	951.0	0.0040	mg/L	0.0040	ppm
3	Fe 273.955	6348.6	6254.0	0.2029	mg/L	0.2029	ppm
3	K 766.491	19794.9	20237.8	1.816	mg/L	1.816	ppm
3	Mg 279.079	201294.5	199059.3	4.567	mg/L	4.567	ppm
3	Mn 257.610	7577.5	5306.2	0.0044	mg/L	0.0044	ppm
3	Mo 202.030	-246.0	210.7	0.0153	mg/L	0.0153	ppm
3	Na 330.237	23754.7	24578.4	51.73	mg/L	51.73	ppm
3	Ni 231.604	-99.7	431.3	0.0087	mg/L	0.0087	ppm
3	Pb 220.353	132.9	-20.7	-0.0012	mg/L	-0.0012	ppm
3	Sb 206.833	88.9	-21.8	-0.0053	mg/L	-0.0053	ppm

3 Se 196.026	622.9	-18.4	-0.0061 mg/L	-0.0061 ppm
3 Tl 190.800	328.4	-31.2	-0.0099 mg/L	-0.0099 ppm
3 V 292.402	-812.3	-86.4	-0.0010 mg/L	-0.0010 ppm
3 Zn 213.856	796.5	1008.8	0.0098 mg/L	0.0098 ppm

lean Data

D: 3205-7 F=1 Seq. No.: 13 Sample No.: 36 A/S Pos: 45
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 3:00:20 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	85.3	0.0006	0.00022	mg/L	0.0006	0.00022	ppm	37.30%
l 308.215	1121.4	0.0491	0.00685	mg/L	0.0491	0.00685	ppm	13.96%
s 188.979	1.1	0.0003	0.00164	mg/L	0.0003	0.00164	ppm	519.01%
a 233.527	22526.7	0.0587	0.00126	mg/L	0.0587	0.00126	ppm	2.15%
e 313.107	-929.3	-0.0004	0.00004	mg/L	-0.0004	0.00004	ppm	11.31%
a 227.547	1384.9	8.959	0.2162	mg/L	8.959	0.2162	ppm	2.41%
d 228.802	41.7	0.0003	0.00006	mg/L	0.0003	0.00006	ppm	16.30%
o 228.616	-7.6	-0.0001	0.00007	mg/L	-0.0001	0.00007	ppm	81.89%
r 267.716	939.2	0.0143	0.00075	mg/L	0.0143	0.00075	ppm	5.24%
u 324.754	960.0	0.0041	0.00020	mg/L	0.0041	0.00020	ppm	5.02%
e 273.955	6361.4	0.2064	0.00320	mg/L	0.2064	0.00320	ppm	1.55%
766.491	20420.2	1.831	0.0157	mg/L	1.831	0.0157	ppm	0.86%
g 279.079	202936.1	4.656	0.0809	mg/L	4.656	0.0809	ppm	1.74%
n 257.610	5318.3	0.0044	0.00001	mg/L	0.0044	0.00001	ppm	0.20%
o 202.030	212.0	0.0154	0.00017	mg/L	0.0154	0.00017	ppm	1.11%
a 330.237	25076.0	52.76	0.955	mg/L	52.76	0.955	ppm	1.81%
i 231.604	431.6	0.0087	0.00014	mg/L	0.0087	0.00014	ppm	1.61%
b 220.353	-23.9	-0.0014	0.00053	mg/L	-0.0014	0.00053	ppm	38.14%
b 206.833	-12.1	-0.0030	0.00208	mg/L	-0.0030	0.00208	ppm	70.40%
e 196.026	-9.2	-0.0031	0.00265	mg/L	-0.0031	0.00265	ppm	85.96%
l 190.800	-21.6	-0.0069	0.00270	mg/L	-0.0069	0.00270	ppm	39.41%
292.402	-56.0	-0.0007	0.00032	mg/L	-0.0007	0.00032	ppm	47.31%
n 213.856	1016.0	0.0099	0.00019	mg/L	0.0099	0.00019	ppm	1.94%

eplicate Data

D: 3234-1 F=1 Date: 5/19/03 3:03:50 PM

epl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Ag 328.068	3750.8	-41.2	-0.0003	mg/L	-0.0003	ppm
1 Al 308.215	5007.8	354.1	0.0155	mg/L	0.0155	ppm
1 As 188.979	152.8	-0.3	0.0014	mg/L	0.0014	ppm
1 Ba 233.527	8529.4	7759.2	0.0202	mg/L	0.0202	ppm
1 Be 313.107	1034.8	-1047.0	-0.0004	mg/L	-0.0004	ppm
1 Ca 227.547	7522.4	7121.3	46.07	mg/L	46.07	ppm
1 Cd 228.802	119.0	23.0	0.0002	mg/L	0.0002	ppm
1 Co 228.616	-576.4	-29.9	-0.0003	mg/L	-0.0003	ppm
1 Cr 267.716	-262.6	-70.3	-0.0011	mg/L	-0.0011	ppm
1 Cu 324.754	46116.1	43165.6	0.1826	mg/L	0.1826	ppm
1 Fe 273.955	61.3	-33.3	-0.0011	mg/L	-0.0011	ppm
1 K 766.491	29526.1	29969.1	2.626	mg/L	2.626	ppm
1 Mg 279.079	377469.6	375234.5	8.609	mg/L	8.609	ppm
1 Mn 257.610	3072.9	801.7	0.0007	mg/L	0.0007	ppm
1 Mo 202.030	-373.5	83.2	0.0060	mg/L	0.0060	ppm
1 Na 330.237	3287.7	4111.4	9.112	mg/L	9.112	ppm
1 Ni 231.604	-528.9	2.1	0.0000	mg/L	0.0000	ppm
1 Pb 220.353	147.1	-6.5	-0.0004	mg/L	-0.0004	ppm
1 Sb 206.833	120.0	9.3	0.0023	mg/L	0.0023	ppm
1 Se 196.026	648.6	7.3	0.0024	mg/L	0.0024	ppm
1 Tl 190.800	357.8	-1.8	-0.0006	mg/L	-0.0006	ppm
1 V 292.402	-557.5	168.3	0.0020	mg/L	0.0020	ppm
1 Zn 213.856	2586.2	2798.6	0.0272	mg/L	0.0272	ppm
2 Ag 328.068	3787.6	-4.4	0.0000	mg/L	0.0000	ppm
2 Al 308.215	4955.1	301.4	0.0132	mg/L	0.0132	ppm
2 As 188.979	144.7	-8.4	-0.0011	mg/L	-0.0011	ppm
2 Ba 233.527	8580.6	7810.5	0.0204	mg/L	0.0204	ppm
2 Be 313.107	1230.8	-851.1	-0.0004	mg/L	-0.0004	ppm
2 Ca 227.547	7463.5	7062.3	45.69	mg/L	45.69	ppm

2	Cd 228.802	107.3	11.4	0.0001	mg/L	0.0001 ppm
2	Co 228.616	-559.8	-13.3	-0.0001	mg/L	-0.0001 ppm
2	Cr 267.716	-227.3	-35.0	-0.0005	mg/L	-0.0005 ppm
2	Cu 324.754	45835.8	42885.4	0.1814	mg/L	0.1814 ppm
2	Fe 273.955	99.7	5.1	0.0002	mg/L	0.0002 ppm
2	K 766.491	30352.6	30795.6	2.694	mg/L	2.694 ppm
2	Mg 279.079	378610.5	376375.3	8.635	mg/L	8.635 ppm
2	Mn 257.610	2816.6	545.4	0.0005	mg/L	0.0005 ppm
2	Mo 202.030	-378.6	78.1	0.0057	mg/L	0.0057 ppm
2	Na 330.237	3048.4	3872.1	8.613	mg/L	8.613 ppm
2	Ni 231.604	-540.6	-9.6	-0.0002	mg/L	-0.0002 ppm
2	Pb 220.353	152.7	-0.9	-0.0001	mg/L	-0.0001 ppm
2	Sb 206.833	95.4	-15.3	-0.0037	mg/L	-0.0037 ppm
2	Se 196.026	644.8	3.6	0.0012	mg/L	0.0012 ppm
2	Tl 190.800	336.8	-22.7	-0.0072	mg/L	-0.0072 ppm
2	V 292.402	-765.4	-39.5	-0.0005	mg/L	-0.0005 ppm
2	Zn 213.856	2600.9	2813.3	0.0274	mg/L	0.0274 ppm
3	Ag 328.068	3787.6	-4.4	0.0000	mg/L	0.0000 ppm
3	Al 308.215	4918.0	264.3	0.0116	mg/L	0.0116 ppm
3	As 188.979	146.3	-6.9	-0.0006	mg/L	-0.0006 ppm
3	Ba 233.527	8693.3	7923.1	0.0207	mg/L	0.0207 ppm
3	Be 313.107	1068.2	-1013.7	-0.0004	mg/L	-0.0004 ppm
3	Ca 227.547	7631.5	7230.4	46.77	mg/L	46.77 ppm
3	Cd 228.802	114.8	18.9	0.0002	mg/L	0.0002 ppm
3	Co 228.616	-556.5	-9.9	-0.0001	mg/L	-0.0001 ppm
3	Cr 267.716	-175.6	16.7	0.0003	mg/L	0.0003 ppm
3	Cu 324.754	47852.3	44901.8	0.1900	mg/L	0.1900 ppm
3	Fe 273.955	59.7	-34.9	-0.0011	mg/L	-0.0011 ppm
3	K 766.491	32216.4	32659.3	2.848	mg/L	2.848 ppm
3	Mg 279.079	390442.7	388207.5	8.906	mg/L	8.906 ppm
3	Mn 257.610	3074.2	802.9	0.0007	mg/L	0.0007 ppm
3	Mo 202.030	-378.2	78.4	0.0057	mg/L	0.0057 ppm
3	Na 330.237	3086.7	3910.4	8.693	mg/L	8.693 ppm
3	Ni 231.604	-567.1	-36.1	-0.0007	mg/L	-0.0007 ppm
3	Pb 220.353	144.2	-9.4	-0.0005	mg/L	-0.0005 ppm
3	Sb 206.833	104.4	-6.4	-0.0016	mg/L	-0.0016 ppm
3	Se 196.026	624.2	-17.1	-0.0057	mg/L	-0.0057 ppm
3	Tl 190.800	339.8	-19.8	-0.0063	mg/L	-0.0063 ppm
3	V 292.402	-619.8	106.0	0.0013	mg/L	0.0013 ppm
3	Zn 213.856	2620.1	2832.5	0.0276	mg/L	0.0276 ppm

ean Data ----------

D: 3234-1 F=1 Seq. No.: 14 Sample No.: 37 A/S Pos: 46
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 3:03:50 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-16.6	-0.0001	0.00015	mg/L	-0.0001	0.00015	ppm	127.66%
l 308.215	306.6	0.0134	0.00197	mg/L	0.0134	0.00197	ppm	14.71%
s 188.979	-5.2	-0.0001	0.00128	mg/L	-0.0001	0.00128	ppm	>999.9%
a 233.527	7830.9	0.0204	0.00022	mg/L	0.0204	0.00022	ppm	1.07%
e 313.107	-970.6	-0.0004	0.00004	mg/L	-0.0004	0.00004	ppm	10.80%
a 227.547	7138.0	46.18	0.552	mg/L	46.18	0.552	ppm	1.19%
d 228.802	17.8	0.0001	0.00005	mg/L	0.0001	0.00005	ppm	33.19%
o 228.616	-17.7	-0.0002	0.00012	mg/L	-0.0002	0.00012	ppm	60.43%
r 267.716	-29.5	-0.0004	0.00067	mg/L	-0.0004	0.00067	ppm	148.30%
u 324.754	43650.9	0.1847	0.00462	mg/L	0.1847	0.00462	ppm	2.50%
e 273.955	-21.0	-0.0007	0.00074	mg/L	-0.0007	0.00074	ppm	107.87%
766.491	31141.3	2.723	0.1137	mg/L	2.723	0.1137	ppm	4.18%
g 279.079	379939.1	8.717	0.1648	mg/L	8.717	0.1648	ppm	1.89%
n 257.610	716.7	0.0006	0.00012	mg/L	0.0006	0.00012	ppm	20.70%
o 202.030	79.9	0.0058	0.00021	mg/L	0.0058	0.00021	ppm	3.57%
a 330.237	3964.6	8.806	0.2675	mg/L	8.806	0.2675	ppm	3.04%
i 231.604	-14.5	-0.0003	0.00039	mg/L	-0.0003	0.00039	ppm	135.00%
b 220.353	-5.6	-0.0003	0.00025	mg/L	-0.0003	0.00025	ppm	77.22%
b 206.833	-4.1	-0.0010	0.00306	mg/L	-0.0010	0.00306	ppm	303.31%
e 196.026	-2.1	-0.0007	0.00438	mg/L	-0.0007	0.00438	ppm	639.53%
. 190.800	-14.8	-0.0047	0.00359	mg/L	-0.0047	0.00359	ppm	76.58%
292.402	78.3	0.0009	0.00129	mg/L	0.0009	0.00129	ppm	136.27%
n 213.856	2814.8	0.0274	0.00017	mg/L	0.0274	0.00017	ppm	0.60%

Replicate Data
ID: 3234-2 F=1 Date: 5/19/03 3:07:19 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Ag 328.068	3460.8	-331.2	-0.0023	mg/L	-0.0023	ppm
1	Al 308.215	3628.6	-1025.1	-0.0449	mg/L	-0.0449	ppm
1	As 188.979	138.2	-15.0	-0.0044	mg/L	-0.0044	ppm
1	Ba 233.527	146.3	-623.8	-0.0016	mg/L	-0.0016	ppm
1	Be 313.107	1034.8	-1047.1	-0.0004	mg/L	-0.0004	ppm
1	Ca 227.547	279.5	-121.6	-0.7868	mg/L	-0.7868	ppm
1	Cd 228.802	212.4	116.4	0.0010	mg/L	0.0010	ppm
1	Co 228.616	-613.7	-67.2	-0.0007	mg/L	-0.0007	ppm
1	Cr 267.716	-207.6	-15.2	-0.0002	mg/L	-0.0002	ppm
1	Cu 324.754	2354.4	-596.1	-0.0025	mg/L	-0.0025	ppm
1	Fe 273.955	32.3	-62.3	-0.0020	mg/L	-0.0020	ppm
1	K 766.491	196.8	639.8	0.1524	mg/L	0.1524	ppm
1	Mg 279.079	3004.1	769.0	0.0176	mg/L	0.0176	ppm
1	Mn 257.610	1562.8	-708.5	-0.0006	mg/L	-0.0006	ppm
1	Mo 202.030	-452.8	3.9	0.0003	mg/L	0.0003	ppm
1	Na 330.237	-405.8	417.8	1.425	mg/L	1.425	ppm
1	Ni 231.604	-488.5	42.5	0.0009	mg/L	0.0009	ppm
1	Pb 220.353	164.9	11.3	0.0007	mg/L	0.0007	ppm
1	Sb 206.833	107.6	-3.2	-0.0008	mg/L	-0.0008	ppm
1	Se 196.026	570.0	-71.3	-0.0238	mg/L	-0.0238	ppm
1	Tl 190.800	274.3	-85.3	-0.0270	mg/L	-0.0270	ppm
1	V 292.402	-668.7	57.1	0.0007	mg/L	0.0007	ppm
1	Zn 213.856	-429.1	-216.7	-0.0021	mg/L	-0.0021	ppm
2	Ag 328.068	3613.1	-178.9	-0.0013	mg/L	-0.0013	ppm
2	Al 308.215	3677.7	-976.0	-0.0427	mg/L	-0.0427	ppm
2	As 188.979	118.9	-34.3	-0.0102	mg/L	-0.0102	ppm
2	Ba 233.527	286.9	-483.3	-0.0013	mg/L	-0.0013	ppm
2	Be 313.107	945.2	-1136.6	-0.0005	mg/L	-0.0005	ppm
2	Ca 227.547	256.6	-144.6	-0.9353	mg/L	-0.9353	ppm
2	Cd 228.802	224.3	128.3	0.0011	mg/L	0.0011	ppm
2	Co 228.616	-595.0	-48.5	-0.0005	mg/L	-0.0005	ppm
2	Cr 267.716	-181.3	11.1	0.0002	mg/L	0.0002	ppm
2	Cu 324.754	2534.0	-416.5	-0.0018	mg/L	-0.0018	ppm
2	Fe 273.955	-78.1	-172.7	-0.0056	mg/L	-0.0056	ppm
2	K 766.491	991.1	1434.1	0.2207	mg/L	0.2207	ppm
2	Mg 279.079	3533.9	1298.7	0.0298	mg/L	0.0298	ppm
2	Mn 257.610	1470.1	-801.2	-0.0007	mg/L	-0.0007	ppm
2	Mo 202.030	-443.7	12.9	0.0009	mg/L	0.0009	ppm
2	Na 330.237	-256.0	567.6	1.737	mg/L	1.737	ppm
2	Ni 231.604	-494.4	36.6	0.0007	mg/L	0.0007	ppm
2	Pb 220.353	133.1	-20.5	-0.0012	mg/L	-0.0012	ppm
2	Sb 206.833	113.0	2.2	0.0006	mg/L	0.0006	ppm
2	Se 196.026	565.0	-76.3	-0.0255	mg/L	-0.0255	ppm
2	Tl 190.800	259.5	-100.1	-0.0317	mg/L	-0.0317	ppm
2	V 292.402	-726.6	-0.7	0.0000	mg/L	0.0000	ppm
2	Zn 213.856	-412.9	-200.6	-0.0020	mg/L	-0.0020	ppm
3	Ag 328.068	3540.4	-251.6	-0.0018	mg/L	-0.0018	ppm
3	Al 308.215	3587.7	-1066.0	-0.0467	mg/L	-0.0467	ppm
3	As 188.979	118.7	-34.5	-0.0102	mg/L	-0.0102	ppm
3	Ba 233.527	319.5	-450.6	-0.0012	mg/L	-0.0012	ppm
3	Be 313.107	962.6	-1119.3	-0.0005	mg/L	-0.0005	ppm
3	Ca 227.547	277.6	-123.5	-0.7990	mg/L	-0.7990	ppm
3	Cd 228.802	233.1	137.2	0.0011	mg/L	0.0011	ppm
3	Co 228.616	-591.1	-44.6	-0.0005	mg/L	-0.0005	ppm
3	Cr 267.716	-153.1	39.2	0.0006	mg/L	0.0006	ppm
3	Cu 324.754	2808.3	-142.2	-0.0006	mg/L	-0.0006	ppm
3	Fe 273.955	-74.0	-168.6	-0.0055	mg/L	-0.0055	ppm
3	K 766.491	1029.7	1472.7	0.2240	mg/L	0.2240	ppm
3	Mg 279.079	4118.2	1883.0	0.0432	mg/L	0.0432	ppm
3	Mn 257.610	1668.6	-602.7	-0.0005	mg/L	-0.0005	ppm
3	Mo 202.030	-441.5	15.2	0.0011	mg/L	0.0011	ppm
3	Na 330.237	-200.1	623.5	1.853	mg/L	1.853	ppm
3	Ni 231.604	-511.5	19.5	0.0004	mg/L	0.0004	ppm

No sample here. redo

5/19/03

3 Pb 220.353	164.7	11.1	0.0006 mg/L	0.0006 ppm
3 Sb 206.833	97.5	-13.2	-0.0033 mg/L	-0.0033 ppm
3 Se 196.026	539.8	-101.4	-0.0338 mg/L	-0.0338 ppm
3 Tl 190.800	253.6	-105.9	-0.0336 mg/L	-0.0336 ppm
3 V 292.402	-614.4	111.5	0.0013 mg/L	0.0013 ppm
3 Zn 213.856	-384.6	-172.2	-0.0017 mg/L	-0.0017 ppm

ean Data

D: 3234-2 F=1 Seq. No.: 15 Sample No.: 38 A/S Pos: 47
ample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 5/19/03 3:07:19 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
g 328.068	-253.9	-0.0018	0.00054	mg/L	-0.0018	0.00054	ppm	30.00%
l 308.215	-1022.4	-0.0447	0.00197	mg/L	-0.0447	0.00197	ppm	4.41%
s 188.979	-27.9	-0.0083	0.00332	mg/L	-0.0083	0.00332	ppm	40.12%
a 233.527	-519.2	-0.0014	0.00024	mg/L	-0.0014	0.00024	ppm	17.72%
e 313.107	-1101.0	-0.0005	0.00002	mg/L	-0.0005	0.00002	ppm	4.31%
a 227.547	-129.9	-0.8404	0.08243	mg/L	-0.8404	0.08243	ppm	9.81%
d 228.802	127.3	0.0011	0.00009	mg/L	0.0011	0.00009	ppm	8.17%
o 228.616	-53.4	-0.0006	0.00013	mg/L	-0.0006	0.00013	ppm	22.58%
r 267.716	11.7	0.0002	0.00041	mg/L	0.0002	0.00041	ppm	232.98%
u 324.754	-184.9	-0.0016	0.00097	mg/L	-0.0016	0.00097	ppm	59.39%
e 273.955	-134.6	-0.0044	0.00203	mg/L	-0.0044	0.00203	ppm	46.53%
766.491	1182.2	0.1990	0.04043	mg/L	0.1990	0.04043	ppm	20.31%
g 279.079	1316.9	0.0302	0.01278	mg/L	0.0302	0.01278	ppm	42.32%
n 257.610	-704.1	-0.0006	0.00008	mg/L	-0.0006	0.00008	ppm	14.11%
o 202.030	10.7	0.0008	0.00043	mg/L	0.0008	0.00043	ppm	56.28%
a 330.237	536.3	1.671	0.2214	mg/L	1.671	0.2214	ppm	13.24%
i 231.604	32.9	0.0007	0.00024	mg/L	0.0007	0.00024	ppm	36.35%
b 220.353	0.6	0.0000	0.00106	mg/L	0.0000	0.00106	ppm	>999.9%
b 206.833	-4.7	-0.0012	0.00193	mg/L	-0.0012	0.00193	ppm	166.67%
e 196.026	-83.0	-0.0277	0.00539	mg/L	-0.0277	0.00539	ppm	19.47%
l 190.800	-97.1	-0.0308	0.00337	mg/L	-0.0308	0.00337	ppm	10.94%
292.402	56.0	0.0007	0.00068	mg/L	0.0007	0.00068	ppm	100.25%
n 213.856	-196.5	-0.0019	0.00022	mg/L	-0.0019	0.00022	ppm	11.45%

No sample here. redo. 5/19/03

alibration Summary

ethod: 23ME ICP-M Date: 5/19/03 3:08:44 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
g 328.068	3	Linear-thru-Zero	0.0	141560.1	0.00000	0.999728
l 308.215	3	Linear-thru-Zero	0.0	22848.4	0.00000	0.999059
s 188.979	3	Linear-thru-Zero	0.0	3369.3	0.00000	0.999593
a 233.527	3	Linear-thru-Zero	0.0	383601.2	0.00000	0.998246
e 313.107	3	Linear-thru-Zero	0.0	2389988.1	0.00000	0.999199
a 227.547	3	Linear-thru-Zero	0.0	154.6	0.00000	0.999321
d 228.802	3	Linear-thru-Zero	0.0	119422.2	0.00000	0.999514
o 228.616	3	Linear-thru-Zero	0.0	91468.2	0.00000	0.999179
r 267.716	3	Linear-thru-Zero	0.0	65807.8	0.00000	0.999441
u 324.754	3	Linear-thru-Zero	0.0	236369.0	0.00000	0.998962
e 273.955	3	Linear-thru-Zero	0.0	30827.1	0.00000	0.999259
766.491	3	Non-Linear	-1129.1	11592.4	95.59144	0.998189
g 279.079	3	Linear-thru-Zero	0.0	43588.0	0.00000	0.998511
n 257.610	3	Linear-thru-Zero	0.0	1211033.3	0.00000	0.999374
o 202.030	3	Linear-thru-Zero	0.0	13805.6	0.00000	0.999300
a 330.237	3	Non-Linear	-266.9	480.6	-0.00466	0.999913
i 231.604	3	Linear-thru-Zero	0.0	49605.5	0.00000	0.999024
b 220.353	3	Linear-thru-Zero	0.0	17274.3	0.00000	0.999471
b 206.833	3	Linear-thru-Zero	0.0	4074.8	0.00000	0.999516
e 196.026	3	Linear-thru-Zero	0.0	2996.7	0.00000	0.998913
l 190.800	3	Linear-thru-Zero	0.0	3155.4	0.00000	0.999540
292.402	3	Linear-thru-Zero	0.0	82909.5	0.00000	0.999528
n 213.856	3	Linear-thru-Zero	0.0	102792.5	0.00000	0.999523

eplicate Data

D: 3234-2 F=1 Date: 5/19/03 3:10:04 PM

	Net	Corrected	Calib	Sample

epl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Ag 328.068	3845.4	53.4	0.0004	mg/L	0.0004	ppm
1	Al 308.215	4467.4	-186.3	-0.0082	mg/L	-0.0082	ppm
1	As 188.979	150.9	-2.3	0.0008	mg/L	0.0008	ppm
1	Ba 233.527	7777.9	7007.8	0.0183	mg/L	0.0183	ppm
1	Be 313.107	1231.4	-850.5	-0.0004	mg/L	-0.0004	ppm
1	Ca 227.547	7890.8	7489.6	48.45	mg/L	48.45	ppm
1	Cd 228.802	98.7	2.8	0.0000	mg/L	0.0000	ppm
1	Co 228.616	-522.1	24.4	0.0003	mg/L	0.0003	ppm
1	Cr 267.716	-263.9	-71.6	-0.0011	mg/L	-0.0011	ppm
1	Cu 324.754	138074.4	135123.9	0.5717	mg/L	0.5717	ppm
1	Fe 273.955	148.2	53.6	0.0017	mg/L	0.0017	ppm
1	K 766.491	32864.1	33307.1	2.901	mg/L	2.901	ppm
1	Mg 279.079	389646.8	387411.7	8.888	mg/L	8.888	ppm
1	Mn 257.610	1973.7	-297.6	-0.0002	mg/L	-0.0002	ppm
1	Mo 202.030	-366.9	89.8	0.0065	mg/L	0.0065	ppm
1	Na 330.237	3142.9	3966.6	8.810	mg/L	8.810	ppm
1	Ni 231.604	-529.9	1.1	0.0000	mg/L	0.0000	ppm
1	Pb 220.353	127.0	-26.6	-0.0015	mg/L	-0.0015	ppm
1	Sb 206.833	98.4	-12.3	-0.0030	mg/L	-0.0030	ppm
1	Se 196.026	640.6	-0.6	-0.0002	mg/L	-0.0002	ppm
1	Tl 190.800	352.1	-7.4	-0.0024	mg/L	-0.0024	ppm
1	V 292.402	-710.8	15.1	0.0002	mg/L	0.0002	ppm
1	Zn 213.856	60.7	273.1	0.0027	mg/L	0.0027	ppm
2	Ag 328.068	3803.0	11.1	0.0001	mg/L	0.0001	ppm
2	Al 308.215	4750.1	96.4	0.0042	mg/L	0.0042	ppm
2	As 188.979	137.5	-15.6	-0.0032	mg/L	-0.0032	ppm
2	Ba 233.527	7545.5	6775.4	0.0177	mg/L	0.0177	ppm
2	Be 313.107	1335.6	-746.3	-0.0003	mg/L	-0.0003	ppm
2	Ca 227.547	7672.7	7271.5	47.04	mg/L	47.04	ppm
2	Cd 228.802	106.7	10.8	0.0001	mg/L	0.0001	ppm
2	Co 228.616	-527.7	18.8	0.0002	mg/L	0.0002	ppm
2	Cr 267.716	-222.7	-30.4	-0.0005	mg/L	-0.0005	ppm
2	Cu 324.754	135152.8	132202.3	0.5593	mg/L	0.5593	ppm
2	Fe 273.955	98.9	4.3	0.0001	mg/L	0.0001	ppm
2	K 766.491	32226.4	32669.4	2.849	mg/L	2.849	ppm
2	Mg 279.079	379187.7	376952.6	8.648	mg/L	8.648	ppm
2	Mn 257.610	1929.1	-342.1	-0.0003	mg/L	-0.0003	ppm
2	Mo 202.030	-369.8	86.9	0.0063	mg/L	0.0063	ppm
2	Na 330.237	3068.7	3892.3	8.656	mg/L	8.656	ppm
2	Ni 231.604	-553.2	-22.2	-0.0004	mg/L	-0.0004	ppm
2	Pb 220.353	96.3	-57.3	-0.0033	mg/L	-0.0033	ppm
2	Sb 206.833	113.2	2.5	0.0006	mg/L	0.0006	ppm
2	Se 196.026	645.2	4.0	0.0013	mg/L	0.0013	ppm
2	Tl 190.800	356.5	-3.1	-0.0010	mg/L	-0.0010	ppm
2	V 292.402	-787.6	-61.7	-0.0007	mg/L	-0.0007	ppm
2	Zn 213.856	63.3	275.7	0.0027	mg/L	0.0027	ppm
3	Ag 328.068	3769.8	-22.2	-0.0002	mg/L	-0.0002	ppm
3	Al 308.215	4429.4	-224.4	-0.0098	mg/L	-0.0098	ppm
3	As 188.979	151.6	-1.6	0.0010	mg/L	0.0010	ppm
3	Ba 233.527	7427.3	6657.1	0.0174	mg/L	0.0174	ppm
3	Be 313.107	1124.6	-957.3	-0.0004	mg/L	-0.0004	ppm
3	Ca 227.547	7413.4	7012.3	45.36	mg/L	45.36	ppm
3	Cd 228.802	113.2	17.2	0.0001	mg/L	0.0001	ppm
3	Co 228.616	-534.8	11.7	0.0001	mg/L	0.0001	ppm
3	Cr 267.716	-196.5	-4.1	-0.0001	mg/L	-0.0001	ppm
3	Cu 324.754	135196.6	132246.1	0.5595	mg/L	0.5595	ppm
3	Fe 273.955	172.5	77.9	0.0025	mg/L	0.0025	ppm
3	K 766.491	31504.6	31947.5	2.789	mg/L	2.789	ppm
3	Mg 279.079	373061.1	370825.9	8.508	mg/L	8.508	ppm
3	Mn 257.610	1995.3	-275.9	-0.0002	mg/L	-0.0002	ppm
3	Mo 202.030	-371.8	84.8	0.0061	mg/L	0.0061	ppm
3	Na 330.237	2986.2	3809.9	8.484	mg/L	8.484	ppm
3	Ni 231.604	-553.8	-22.8	-0.0005	mg/L	-0.0005	ppm
3	Pb 220.353	106.3	-47.3	-0.0027	mg/L	-0.0027	ppm
3	Sb 206.833	110.1	-0.7	-0.0002	mg/L	-0.0002	ppm
3	Se 196.026	620.0	-21.3	-0.0071	mg/L	-0.0071	ppm
3	Tl 190.800	350.9	-8.6	-0.0027	mg/L	-0.0027	ppm
3	V 292.402	-672.8	53.0	0.0006	mg/L	0.0006	ppm