

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

Scan Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-239.8	-0.0014	0.00030	mg/L	-0.0014	0.00030	ppm	21.97%
Al 308.215	458.0	0.0155	0.00611	mg/L	0.0155	0.00611	ppm	39.51%
As 188.979	-4.6	0.0009	0.00149	mg/L	0.0009	0.00149	ppm	168.77%
Ba 233.527	34876.9	0.0917	0.00281	mg/L	0.0917	0.00281	ppm	3.06%
Be 313.107	-361.1	-0.0002	0.00007	mg/L	-0.0002	0.00007	ppm	41.83%
Ca 227.547	15248.5	76.73	2.131	mg/L	76.73	2.131	ppm	2.78%
Cd 228.802	-23.3	-0.0002	0.00006	mg/L	-0.0002	0.00006	ppm	28.49%
Co 228.616	93.4	0.0010	0.00004	mg/L	0.0010	0.00004	ppm	3.50%
Cr 267.716	493.3	0.0055	0.00075	mg/L	0.0055	0.00075	ppm	13.63%
Cu 324.754	2081.6	0.0083	0.00062	mg/L	0.0083	0.00062	ppm	7.48%
Fe 273.955	22688.5	0.5652	0.01486	mg/L	0.5652	0.01486	ppm	2.63%
K 766.491	Saturated							
Mg 279.079	15158540.6	376.2	6.20	mg/L	376.2	6.20	ppm	1.65%
Mn 257.610	1167567.1	0.9055	0.01118	mg/L	0.9055	0.01118	ppm	1.23%
Mo 202.030	599.3	0.0366	0.00077	mg/L	0.0366	0.00077	ppm	2.09%
Na 330.237	3209356.7	8011	0.0	mg/L	8011	0.0	ppm	0.00%
Ni 231.604	212.4	0.0048	0.00046	mg/L	0.0048	0.00046	ppm	9.45%
Pb 220.353	16.6	-0.0005	0.00092	mg/L	-0.0005	0.00092	ppm	197.48%
Sb 206.833	14.1	0.0036	0.00061	mg/L	0.0036	0.00061	ppm	16.63%
Se 196.026	5.7	0.0022	0.00133	mg/L	0.0022	0.00133	ppm	59.17%
Tl 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%

uplicate Data  
D: 3261+3 F=15

Date: 5/19/03 12:19:06 PM

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
c 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%
c 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%
c 220.353	9.3	0.0006	0.00085	mg/L	0.0086	0.01282	ppm	148.87%
c 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%

uplicate Data

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

apl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. 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 Ti	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 Ti	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 -----  
 Sample No.: 3261-4 F=1      Seq. No.: 28      Sample No.: 15      A/S Pos: 24  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 5/19/03 12:22:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-57.6	-0.0003	0.00054	mg/L	-0.0003	0.00054	ppm	161.27%
Al 308.215	1618.8	0.0546	0.00355	mg/L	0.0546	0.00355	ppm	6.50%
As 188.979	83.0	0.0295	0.00158	mg/L	0.0295	0.00158	ppm	5.34%
Ba 233.527	194119.6	0.5102	0.01078	mg/L	0.5102	0.01078	ppm	2.11%
Be 313.107	-177.5	-0.0001	0.00008	mg/L	-0.0001	0.00008	ppm	101.88%
Ca 227.547	11104.3	55.88	1.100	mg/L	55.88	1.100	ppm	1.97%
Cd 228.802	-3.4	0.0000	0.00011	mg/L	0.0000	0.00011	ppm	368.21%
Co 228.616	70.8	0.0008	0.00016	mg/L	0.0008	0.00016	ppm	20.52%
Cr 267.716	417.6	0.0046	0.00033	mg/L	0.0046	0.00033	ppm	7.20%
Cu 324.754	2744.0	0.0110	0.00033	mg/L	0.0110	0.00033	ppm	3.01%
Fe 273.955	3286.6	0.0819	0.00363	mg/L	0.0819	0.00363	ppm	4.43%
K 766.491	Saturated							
Mg 279.079	9177734.4	227.8	3.03	mg/L	227.8	3.03	ppm	1.33%
Mn 257.610	507606.7	0.3927	0.00852	mg/L	0.3927	0.00852	ppm	2.17%
Mo 202.030	468.6	0.0286	0.00063	mg/L	0.0286	0.00063	ppm	2.21%
Na 330.237	2248624.1	4842	94.4	mg/L	4842	94.4	ppm	1.95%
Ni 231.604	225.6	0.0051	0.00018	mg/L	0.0051	0.00018	ppm	3.49%
Pb 220.353	32.1	0.0020	0.00084	mg/L	0.0020	0.00084	ppm	42.26%
Sb 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%

uplicate Data

D: 3261-4 F=10

Date: 5/19/03

12:26:16 PM

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

Mean Data

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

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

Replicate Data

D: 3261-5 F=1	Date: 5/19/03 12:29:50 PM
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Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	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	

an Data

Sample No.: 30      Sample No.: 17      A/S Pos: 26  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Date: Original      Date: 5/19/03      12:29:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-115.7	-0.0007	0.00099	mg/L	-0.0007	0.00099	ppm	148.21%
Al 308.215	3875.1	0.1307	0.00429	mg/L	0.1307	0.00429	ppm	3.28%
As 188.979	25.1	0.0084	0.00201	mg/L	0.0084	0.00201	ppm	23.90%
Ba 233.527	25803.1	0.0678	0.00142	mg/L	0.0678	0.00142	ppm	2.09%
Be 313.107	-184.9	-0.0001	0.00003	mg/L	-0.0001	0.00003	ppm	33.22%
Ca 227.547	4262.4	21.45	0.092	mg/L	21.45	0.092	ppm	0.43%
Cd 228.802	-23.6	-0.0002	0.00009	mg/L	-0.0002	0.00009	ppm	44.49%
Co 228.616	160.1	0.0018	0.00011	mg/L	0.0018	0.00011	ppm	6.26%
Cr 267.716	325.7	0.0036	0.00015	mg/L	0.0036	0.00015	ppm	4.17%
Cu 324.754	2951.5	0.0118	0.00039	mg/L	0.0118	0.00039	ppm	3.28%
Fe 273.955	7964.2	0.1984	0.00317	mg/L	0.1984	0.00317	ppm	1.60%
K 766.491	Saturated							
Mg 279.079	2600426.1	64.54	0.809	mg/L	64.54	0.809	ppm	1.25%
Mn 257.610	734221.1	0.5731	0.00755	mg/L	0.5731	0.00755	ppm	1.32%
Mo 202.030	2601.7	0.1589	0.00080	mg/L	0.1589	0.00080	ppm	0.50%
Na 330.237	1497909.4	2708	52.9	mg/L	2708	52.9	ppm	1.95%
Ni 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	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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%

Replicate Data

D: 3261-6 F=1	Date: 5/19/03	12:36:59 PM
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Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	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

Sample No.: 19 A/S Pos: 28  
 Seq. No.: 32  
 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0  
 Data: Original Date: 5/19/03 12:36:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-4.3	0.0000	0.00056	mg/L	0.0000	0.00056	ppm	>999.9%
Al 308.215	1772.4	0.0598	0.00616	mg/L	0.0598	0.00616	ppm	10.31%
As 188.979	27.7	0.0093	0.00162	mg/L	0.0093	0.00162	ppm	17.51%
Ba 233.527	26433.1	0.0695	0.00150	mg/L	0.0695	0.00150	ppm	2.15%
Be 313.107	-199.3	-0.0001	0.00005	mg/L	-0.0001	0.00005	ppm	58.95%
Ca 227.547	4633.6	23.32	0.052	mg/L	23.32	0.052	ppm	0.22%
Cd 228.802	-22.0	-0.0002	0.00001	mg/L	-0.0002	0.00001	ppm	6.43%
Co 228.616	170.1	0.0019	0.00011	mg/L	0.0019	0.00011	ppm	5.86%
Cr 267.716	303.4	0.0034	0.00058	mg/L	0.0034	0.00058	ppm	17.27%
Cu 324.754	2953.3	0.0118	0.00042	mg/L	0.0118	0.00042	ppm	3.52%
Fe 273.955	3497.5	0.0871	0.00454	mg/L	0.0871	0.00454	ppm	5.21%
K 766.491	Saturated							
Mg 279.079	2821306.5	70.02	0.108	mg/L	70.02	0.108	ppm	0.15%
Mn 257.610	768299.7	0.5997	0.00069	mg/L	0.5997	0.00069	ppm	0.11%
Mo 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%

uplicate Data

D: 3261-6 F=10

Date: 5/19/03

12:40:34 PM

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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
c 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%
213.856	32.8	0.0003	0.00005	mg/L	0.0033	0.00052	ppm	15.78%

Replicate Data

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

Element	Net Intensity	Corrected Intensity	Calib Conc.	Sample Conc.
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

Scan Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	176235.0	1.017	0.0035	mg/L				0.35%
Al 308.215	156876.4	5.292	0.0095	mg/L				0.18%
As 188.979	1401.7	0.4747	0.00020	mg/L				0.04%
Ba 233.527	2005321.3	5.270	0.0063	mg/L				0.12%
Be 313.107	1191376.1	0.5135	0.00077	mg/L				0.15%
Ca 227.547	10289.6	51.78	0.059	mg/L				0.11%
Cd 228.802	117142.3	1.043	0.0016	mg/L				0.15%
Co 228.616	191808.5	2.106	0.0017	mg/L				0.08%
Cr 267.716	46605.8	0.5167	0.00105	mg/L				0.20%
Cu 324.754	511936.5	2.052	0.0062	mg/L				0.30%
Fe 273.955	209441.6	5.218	0.0026	mg/L				0.05%
K 766.491	268724.9	15.04	0.290	mg/L				1.93%
Mg 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%

uplicate 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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%

Replicate Data

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

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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-27.6	0.0002	0.00026	mg/L	-0.0002	0.00026	ppm	164.25%
Al 308.215	4084.1	0.1378	0.00419	mg/L	0.1378	0.00419	ppm	3.04%
As 188.979	55.5	0.0186	0.00126	mg/L	0.0186	0.00126	ppm	6.77%
Ba 233.527	57296.9	0.1506	0.00213	mg/L	0.1506	0.00213	ppm	1.41%
Be 313.107	89.1	0.0000	0.00002	mg/L	0.0000	0.00002	ppm	52.17%
Ca 227.547	5410.2	27.23	0.051	mg/L	27.23	0.051	ppm	0.19%
Cd 228.802	-18.3	-0.0002	0.00005	mg/L	-0.0002	0.00005	ppm	31.58%
Co 228.616	242.1	0.0027	0.00016	mg/L	0.0027	0.00016	ppm	5.94%
Cr 267.716	238.5	0.0026	0.00044	mg/L	0.0026	0.00044	ppm	16.65%
Cu 324.754	3591.6	0.0144	0.00014	mg/L	0.0144	0.00014	ppm	0.98%
Fe 273.955	6264.2	0.1561	0.00687	mg/L	0.1561	0.00687	ppm	4.40%



		Saturated					
g 766.491	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%	

uplicate 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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
i 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%
l 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%
j 279.079	398394.5	9.887	0.0673	mg/L	98.87	0.673	ppm	0.68%
l 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%
l 213.856	34.9	0.0004	0.00020	mg/L	0.0035	0.00200	ppm	57.21%

Replicate Data

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

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

Mean Data -----  
 Sample No.: 38      Sample No.: 23      A/S Pos: 32  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 5/19/03      12:58:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-87.7	-0.0005	0.00066	mg/L	-0.0005	0.00066	ppm	129.50%
Al 308.215	10505.1	0.3544	0.01573	mg/L	0.3544	0.01573	ppm	4.44%
As 188.979	-1.9	0.0007	0.00141	mg/L	0.0007	0.00141	ppm	213.04%
Ba 233.527	71093.4	0.1868	0.00709	mg/L	0.1868	0.00709	ppm	3.79%
Be 313.107	-201.1	-0.0001	0.00004	mg/L	-0.0001	0.00004	ppm	42.10%
Ca 227.547	8158.6	41.06	1.721	mg/L	41.06	1.721	ppm	4.19%
Cd 228.802	-28.4	-0.0003	0.00013	mg/L	-0.0003	0.00013	ppm	51.07%
Co 228.616	19.2	0.0002	0.00011	mg/L	0.0002	0.00011	ppm	51.64%
Cr 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%

uplicate 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

ample Qty: 1.0000 mL

Seq. No.: 39

Prep. Vol.: Data: Original

Sample No.: 24

1.0 mL

A/S Pos: 33

Dilution: 1.0: 10.0

Date: 5/19/03 1:01:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
i 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%
i 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%
o 220.353	26.0	0.0016	0.00107	mg/L	0.0160	0.01067	ppm	66.63%
o 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%
i 213.856	263.9	0.0026	0.00009	mg/L	0.0265	0.00091	ppm	3.45%

uplicate Data

D: 3276-1 F=1

Date: 5/19/03

1:05:17 PM

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

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag	-236.0	-0.0014	0.00095	mg/L	-0.0014	0.00095	ppm	69.50%
Al	3308.0	0.1116	0.00170	mg/L	0.1116	0.00170	ppm	1.52%
As	85.6	0.0302	0.00090	mg/L	0.0302	0.00090	ppm	3.00%
Ba	101152.7	0.2658	0.00566	mg/L	0.2658	0.00566	ppm	2.13%
Be	-174.5	-0.0001	0.00003	mg/L	-0.0001	0.00003	ppm	34.47%
Ca	9639.9	48.51	1.236	mg/L	48.51	1.236	ppm	2.55%
Cd	2.8	0.0000	0.00011	mg/L	0.0000	0.00011	ppm	446.71%

Co	228.616	71.1	0.0008	0.00009 mg/L	0.0008	0.00009 ppm	11.56%
Cr	267.716	326.1	0.0036	0.00092 mg/L	0.0036	0.00092 ppm	25.36%
Cu	324.754	863.7	0.0035	0.00080 mg/L	0.0035	0.00080 ppm	23.10%
Fe	273.955	5827.0	0.1452	0.00439 mg/L	0.1452	0.00439 ppm	3.02%
K	766.491	Saturated					
Mg	279.079	8372442.0	207.8	2.49 mg/L	207.8	2.49 ppm	1.20%
Mn	257.610	511869.9	0.3963	0.00900 mg/L	0.3963	0.00900 ppm	2.27%
Mo	202.030	515.1	0.0315	0.00019 mg/L	0.0315	0.00019 ppm	0.60%
Na	330.237	2027512.3	4091	61.1 mg/L	4091	61.1 ppm	1.49%
Ni	231.604	184.6	0.0042	0.00030 mg/L	0.0042	0.00030 ppm	7.03%
Pb	220.353	92.6	0.0057	0.00006 mg/L	0.0057	0.00006 ppm	1.13%
Sb	206.833	17.5	0.0045	0.00041 mg/L	0.0045	0.00041 ppm	9.10%
Se	196.026	9.4	0.0037	0.000189 mg/L	0.0037	0.000189 ppm	51.25%
Tl	190.800	21.0	0.0010	0.00116 mg/L	0.0010	0.00116 ppm	113.67%
V	292.402	6156.4	0.0549	0.00173 mg/L	0.0549	0.00173 ppm	3.15%
Zn	213.856	2212.1	0.0222	0.00017 mg/L	0.0222	0.00017 ppm	0.78%

Replicate Data

D: 3276-1 F=10

Date: 5/19/03

1:08:48 PM

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:      I.0: 10.0  
 Data: Original      Date: 5/19/03      1:08:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
i 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%
i 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%
i 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%
i 213.856	181.1	0.0018	0.00006	mg/L	0.0182	0.00058	ppm	3.20%

uplicate Data

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

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



Table with 6 columns: Element, Intensity, Mean Conc., Std. Dev., Units, and RSD. Rows include elements like Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn, Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn, Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn.

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

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., Units, and RSD. Rows show correction factors for elements Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn.

Ca	227.547	4768.9	24.00	0.0079	mg/L	24.00	0.0079	ppm	0.33%
K	228.802	-37.0	-0.0003	0.00013	mg/L	-0.0003	0.00013	ppm	40.96%
Co	228.616	34.0	0.0004	0.00003	mg/L	0.0004	0.00003	ppm	8.54%
Cr	267.716	324.4	0.0036	0.00079	mg/L	0.0036	0.00079	ppm	22.09%
Cu	324.754	-283.5	-0.0011	0.00036	mg/L	-0.0011	0.00036	ppm	31.83%
Fe	273.955	14955.9	0.3726	0.01398	mg/L	0.3726	0.01398	ppm	3.75%
K 766.491 Saturated									
Mg	279.079	3342808.7	82.96	1.211	mg/L	82.96	1.211	ppm	1.46%
Mn	257.610	310530.0	0.2424	0.00722	mg/L	0.2424	0.00722	ppm	2.98%
Mo	202.030	1242.3	0.0759	0.00048	mg/L	0.0759	0.00048	ppm	0.64%
Na	330.237	1239226.2	2150	34.0	mg/L	2150	34.0	ppm	1.58%
Ni	231.604	216.1	0.0049	0.00027	mg/L	0.0049	0.00027	ppm	5.50%
Pb	220.353	36.8	0.0023	0.00146	mg/L	0.0023	0.00146	ppm	64.59%
Sb	206.833	23.2	0.0060	0.00200	mg/L	0.0060	0.00200	ppm	33.33%
Se	196.026	13.4	0.0053	0.00493	mg/L	0.0053	0.00493	ppm	93.57%
Tl	190.800	18.4	0.0032	0.00294	mg/L	0.0032	0.00294	ppm	93.00%
V	292.402	100.5	0.0009	0.00154	mg/L	0.0009	0.00154	ppm	172.12%
Zn	213.856	389.2	0.0039	0.00008	mg/L	0.0039	0.00008	ppm	2.07%

uplicate Data

D: 3276-2 F=10

Date: 5/19/03

1:15:51 PM

epl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Conc.	Sample 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  
 Sample Qty: 1.0000 mL  
 Seq. No.: 43  
 Prep. Vol.:  
 Data: Original  
 Sample No.: 28  
 1.0 mL  
 A/S Pos: 37  
 Dilution: 1.0: 10.0  
 Date: 5/19/03 1:15:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
y 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%
1 213.856	-38.8	-0.0004	0.00003	mg/L	-0.0039	0.00031	ppm	7.94%

uplicate Data

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

Sample#	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	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

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-97.4	-0.0006	0.00024	mg/L	-0.0006	0.00024	ppm	42.56%
Al 308.215	1241.0	0.0419	0.00355	mg/L	0.0419	0.00355	ppm	8.47%
As 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%
la	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%

uplicate Data

D: CCV 1447B

Date: 5/19/03

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epl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib 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

Sample No.: 5  
 Sample Qty: 1.0000 g  
 Prep. Vol.: 1.0 L  
 Data: Original  
 A/S Pos: 6  
 Dilution: 1.0: 1.0  
 Date: 5/19/03 1:22:52 PM

Element	Mean Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	166199.1	0.9592	0.02918	mg/L				3.04%
Al 308.215	148947.1	5.025	0.1620	mg/L				3.22%
As 188.979	1406.1	0.4757	0.00511	mg/L				1.07%
Ba 233.527	1934916.3	5.085	0.1431	mg/L				2.81%
Be 313.107	1242075.2	0.5353	0.01541	mg/L				2.88%
Ca 227.547	9616.0	48.39	1.664	mg/L				3.44%
Cd 228.802	122525.1	1.091	0.0326	mg/L				2.99%
Co 228.616	198174.2	2.176	0.0613	mg/L				2.82%
Cr 267.716	43087.8	0.4777	0.01400	mg/L				2.93%
Cu 324.754	512203.5	2.053	0.0617	mg/L				3.01%
Fe 273.955	194812.5	4.853	0.1384	mg/L				2.85%
K 766.491	253301.2	14.26	0.339	mg/L				2.38%
Mg 279.079	1048524.3	26.02	0.753	mg/L				2.89%
Mn 257.610	2698136.0	2.106	0.0510	mg/L				2.42%
Mo 202.030	33384.3	2.039	0.0589	mg/L				2.89%
Na 330.237	61476.4	92.75	3.038	mg/L				3.28%
Ni 231.604	95739.7	2.183	0.0605	mg/L				2.77%
Pb 220.353	8357.5	0.5152	0.00269	mg/L				0.52%
Sb 206.833	8159.8	2.098	0.0060	mg/L				0.29%
Se 196.026	1284.3	0.5050	0.00527	mg/L				1.04%
Tl 190.800	1758.4	0.4829	0.00019	mg/L				0.04%
V 292.402	209854.6	1.871	0.0546	mg/L				2.92%
Zn 213.856	208565.9	2.091	0.0619	mg/L				2.96%

uplicate Data

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

Element	Net Intensity	Corrected Intensity	Calib Conc.	Sample Conc.
Ag 328.068	1715.5	-60.3	-0.0003 mg/L	
Al 308.215	4367.5	782.8	0.0264 mg/L	
As 188.979	138.3	8.3	0.0028 mg/L	
Ba 233.527	-720.0	302.9	0.0008 mg/L	
Be 313.107	903.4	646.6	0.0003 mg/L	
Ca 227.547	655.1	-1.8	-0.0089 mg/L	
Cd 228.802	-0.8	-34.2	-0.0003 mg/L	
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  
 Sample Qty: 1.0000 g      Seq. No.: 46      Sample No.: 6      A/S Pos: 1  
    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.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
328.068	27.9	0.0002	0.00080	mg/L				494.3257

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%

uplicate Data -----

D: 3205-2 F=1

Date: 5/19/03

1:29:44 PM

epl#	Element	Net Intensity	Corrected Intensity	Conc. Units	Calib	Sample Conc. 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  
 Sample Qty: 1.0000 mL  
 Seq. No.: 47  
 Prep. Vol.:  
 Data: Original  
 Sample No.: 30  
 1.0 mL  
 A/S Pos: 39  
 Dilution: 1.0: 1.0  
 Date: 5/19/03 1:29:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Std. Dev. Units	Calib Units	Mean Conc.	Std. Dev. Units	Sample Conc. Units	RSD
y 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%
i 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%
i 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%
y 279.079	3817.0	0.0947	0.00420	mg/L	0.0947	0.00420	ppm	4.43%
i 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%
s 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%
i 213.856	306.0	0.0031	0.00010	mg/L	0.0031	0.00010	ppm	3.30%

uplicate Data

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

Sample#	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

Sample Data -----  
 Sample No.: 3205-3 F=1      Seq. No.: 48      Sample No.: 31      A/S Pos: 40  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 5/19/03      1:33:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	70.0	0.0004	0.00071	mg/L	0.0004	0.00071	ppm	175.06%
Al 308.215	1930.9	0.0651	0.00455	mg/L	0.0651	0.00455	ppm	6.99%
As 188.979	2.2	0.0021	0.00113	mg/L	0.0021	0.00113	ppm	54.06%
Ba 233.527	14448.1	0.0380	0.00095	mg/L	0.0380	0.00095	ppm	2.49%
Be 313.107	39.7	0.0000	0.00003	mg/L	0.0000	0.00003	ppm	178.92%
Ca 227.547	8655.6	43.56	1.022	mg/L	43.56	1.022	ppm	2.35%
Cd 228.802	-37.8	-0.0003	0.00010	mg/L	-0.0003	0.00010	ppm	28.67%
Co 228.616	-44.8	-0.0005	0.00006	mg/L	-0.0005	0.00006	ppm	13.02%
Cr 267.716	974.1	0.0108	0.00007	mg/L	0.0108	0.00007	ppm	0.61%
Cu 324.754	112.5	0.0005	0.00024	mg/L	0.0005	0.00024	ppm	53.47%
Fe 273.955	4601.1	0.1146	0.00436	mg/L	0.1146	0.00436	ppm	3.81%
K 766.491	29956.3	1.902	0.0518	mg/L	1.902	0.0518	ppm	2.72%
Mg 279.079	605786.2	15.03	0.313	mg/L	15.03	0.313	ppm	2.08%
Mn 257.610	9224.4	0.0072	0.00021	mg/L	0.0072	0.00021	ppm	2.97%
Mo 202.030	23.2	0.0014	0.00033	mg/L	0.0014	0.00033	ppm	23.39%
Na 330.237	9066.0	13.47	0.162	mg/L	13.47	0.162	ppm	1.20%
Ni 231.604	239.3	0.0055	0.00046	mg/L	0.0055	0.00046	ppm	8.46%
Pb 220.353	32.3	0.0020	0.00013	mg/L	0.0020	0.00013	ppm	6.47%
Sb 206.833	19.9	0.0051	0.00101	mg/L	0.0051	0.00101	ppm	19.63%
Se 196.026	18.0	0.0071	0.00164	mg/L	0.0071	0.00164	ppm	23.11%
Tl 190.800	-10.6	-0.0029	0.00079	mg/L	-0.0029	0.00079	ppm	27.15%
V 292.402	139.0	0.0012	0.00096	mg/L	0.0012	0.00096	ppm	77.57%
Zn 213.856	1418.4	0.0142	0.00014	mg/L	0.0142	0.00014	ppm	1.01%

uplicate Data

D: 3205-4 F=1

Date: 5/19/03

1:36:36 PM

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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-9.6	-0.0001	0.00024	mg/L	-0.0001	0.00024	ppm	439.71%
Al 308.215	2129.2	0.0718	0.00546	mg/L	0.0718	0.00546	ppm	7.60%
As 188.979	5.6	0.0034	0.00202	mg/L	0.0034	0.00202	ppm	59.58%
Ba 233.527	14147.9	0.0372	0.00073	mg/L	0.0372	0.00073	ppm	1.96%
Be 313.107	-78.9	0.0000	0.00007	mg/L	0.0000	0.00007	ppm	204.50%
Ca 227.547	9668.9	48.66	1.274	mg/L	48.66	1.274	ppm	2.62%
Cd 228.802	-36.8	-0.0003	0.00017	mg/L	-0.0003	0.00017	ppm	51.01%
Co 228.616	-47.2	-0.0005	0.00021	mg/L	-0.0005	0.00021	ppm	41.00%
Cr 267.716	618.1	0.0069	0.00021	mg/L	0.0069	0.00021	ppm	3.09%
Cu 324.754	1114.8	0.0045	0.00008	mg/L	0.0045	0.00008	ppm	1.88%
Fe 273.955	6180.7	0.1540	0.00196	mg/L	0.1540	0.00196	ppm	1.28%
K 766.491	32638.3	2.064	0.0507	mg/L	2.064	0.0507	ppm	2.46%
Mg 279.079	694147.1	17.23	0.281	mg/L	17.23	0.281	ppm	1.63%
Mn 257.610	1766.4	0.0014	0.00010	mg/L	0.0014	0.00010	ppm	6.90%
Mo 202.030	124.4	0.0076	0.00065	mg/L	0.0076	0.00065	ppm	8.55%
Na 330.237	11333.6	16.89	0.300	mg/L	16.89	0.300	ppm	1.78%
Ni 231.604	135.8	0.0031	0.00045	mg/L	0.0031	0.00045	ppm	14.62%
Pb 220.353	48.7	0.0030	0.00080	mg/L	0.0030	0.00080	ppm	26.72%
Sb 206.833	22.3	0.0058	0.00085	mg/L	0.0058	0.00085	ppm	14.69%
Se 196.026	7.7	0.0030	0.00203	mg/L	0.0030	0.00203	ppm	66.68%
Tl 190.800	-2.0	-0.0005	0.00219	mg/L	-0.0005	0.00219	ppm	401.11%
V 292.402	354.7	0.0032	0.00123	mg/L	0.0032	0.00123	ppm	38.88%
Zn 213.856	904.4	0.0091	0.00020	mg/L	0.0091	0.00020	ppm	2.25%

Replicate Data

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

Element	Net Intensity	Corrected Intensity	Calib Conc.	Sample Conc.
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

ample Qty: 1.0000 mL

Seq. No.: 50

Prep. Vol.:

Sample No.: 33

1.0 mL

A/S Pos: 42

Dilution:

1.0:

268

Data: Original

Date: 5/19/03

1:40:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	48.7	0.0003	0.00050	mg/L	0.0003	0.00050	ppm	177.39%
Al 308.215	1947.3	0.0657	0.00329	mg/L	0.0657	0.00329	ppm	5.02%
As 188.979	7.4	0.0045	0.00173	mg/L	0.0045	0.00173	ppm	38.40%
Ba 233.527	20386.2	0.0536	0.00057	mg/L	0.0536	0.00057	ppm	1.06%
Be 313.107	-94.3	0.0000	0.00002	mg/L	0.0000	0.00002	ppm	49.93%
Ca 227.547	12920.6	65.02	0.662	mg/L	65.02	0.662	ppm	1.02%
Cd 228.802	-51.4	-0.0005	0.00006	mg/L	-0.0005	0.00006	ppm	13.19%
Co 228.616	-38.7	-0.0004	0.00009	mg/L	-0.0004	0.00009	ppm	20.61%
Cr 267.716	918.3	0.0102	0.00025	mg/L	0.0102	0.00025	ppm	2.48%
Cu 324.754	-76.2	-0.0003	0.00078	mg/L	-0.0003	0.00078	ppm	254.13%
Fe 273.955	1936.6	0.0482	0.00315	mg/L	0.0482	0.00315	ppm	6.53%
K 766.491	39807.9	2.493	0.0411	mg/L	2.493	0.0411	ppm	1.65%
Mg 279.079	803589.9	19.94	0.188	mg/L	19.94	0.188	ppm	0.94%
Mn 257.610	8235.1	0.0064	0.00012	mg/L	0.0064	0.00012	ppm	1.87%
Mo 202.030	113.6	0.0069	0.00031	mg/L	0.0069	0.00031	ppm	4.45%
Ni 330.237	13402.0	20.00	0.556	mg/L	20.00	0.556	ppm	2.78%
Ni 231.604	200.0	0.0046	0.00035	mg/L	0.0046	0.00035	ppm	7.71%
Pb 220.353	17.6	0.0011	0.00115	mg/L	0.0011	0.00115	ppm	105.96%
Pb 206.833	26.0	0.0067	0.00094	mg/L	0.0067	0.00094	ppm	14.03%
Se 196.026	9.4	0.0037	0.00111	mg/L	0.0037	0.00111	ppm	30.16%
Tl 190.800	-5.6	-0.0015	0.00103	mg/L	-0.0015	0.00103	ppm	67.28%
V 292.402	407.8	0.0036	0.00044	mg/L	0.0036	0.00044	ppm	11.98%
Zn 213.856	1152.9	0.0116	0.00017	mg/L	0.0116	0.00017	ppm	1.47%

uplicate Data

D: 3205-6 F=1

Date: 5/19/03

1:43:31 PM

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

Sample No.: 34      A/S Pos: 43  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Seq. No.: 51      Date: 5/19/03      1:43:31 PM  
 Data: Original

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	3.7	0.0000	0.00012	mg/L	0.0000	0.00012	ppm	587.54%
Al 308.215	1398.0	0.0472	0.00177	mg/L	0.0472	0.00177	ppm	3.76%
As 188.979	11.3	0.0050	0.00010	mg/L	0.0050	0.00010	ppm	1.91%
Ba 233.527	18919.2	0.0497	0.00077	mg/L	0.0497	0.00077	ppm	1.54%
Be 313.107	-188.5	-0.0001	0.00002	mg/L	-0.0001	0.00002	ppm	29.92%
Ca 227.547	7619.8	38.34	1.238	mg/L	38.34	1.238	ppm	3.23%
Cd 228.802	-64.9	-0.0006	0.00012	mg/L	-0.0006	0.00012	ppm	21.01%
Co 228.616	-51.4	-0.0006	0.00006	mg/L	-0.0006	0.00006	ppm	10.93%
Cr 267.716	516.9	0.0057	0.00012	mg/L	0.0057	0.00012	ppm	2.09%
Cu 324.754	-759.2	-0.0030	0.00058	mg/L	-0.0030	0.00058	ppm	19.08%
Fe 273.955	5937.0	0.1479	0.00399	mg/L	0.1479	0.00399	ppm	2.70%
K 766.491	25235.5	1.617	0.0328	mg/L	1.617	0.0328	ppm	2.03%
Mg 279.079	555973.9	13.80	0.199	mg/L	13.80	0.199	ppm	1.44%
Mn 257.610	3607.2	0.0028	0.00005	mg/L	0.0028	0.00005	ppm	1.63%
Mo 202.030	147.7	0.0090	0.00052	mg/L	0.0090	0.00052	ppm	5.72%
Na 330.237	16633.7	24.87	0.634	mg/L	24.87	0.634	ppm	2.55%
Ni 231.604	61.3	0.0014	0.00033	mg/L	0.0014	0.00033	ppm	23.55%
Pb 220.353	37.1	0.0023	0.00072	mg/L	0.0023	0.00072	ppm	31.34%
Sb 206.833	33.6	0.0087	0.00089	mg/L	0.0087	0.00089	ppm	10.29%
Se 196.026	17.6	0.0069	0.00258	mg/L	0.0069	0.00258	ppm	37.36%
Tl 190.800	-10.8	-0.0030	0.00029	mg/L	-0.0030	0.00029	ppm	9.72%
V 292.402	416.6	0.0037	0.00047	mg/L	0.0037	0.00047	ppm	12.71%
Zn 213.856	1997.8	0.0200	0.00015	mg/L	0.0200	0.00015	ppm	0.74%

uplicate Data

Sample No.: 34      Date: 5/19/03      1:46:59 PM

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



D: 3205-7 F=1  
Sample Qty: 1.0000 mL

Seq. No.: 52  
Prep. Vol.: 1.0 mL  
Data: Original

A/S Pos: 44  
Dilution: 1.0: 1.0  
Date: 5/19/03 1:46:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%

uplicate Data

D: 3234-1 F=1

Date: 5/19/03

1:50:27 PM

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

*Handwritten signature*

computer down, restart and reanalysis.

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

Mean Data

D: Calib Blank

Seq. No.: 1  
Data: Original

A/S Pos: 1

Date: 5/19/03 2:09:25 PM

Element	Mean Intensity	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	

Replicate Data

D: STD1 1423A

Date: 5/19/03

2:13:03 PM

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

Scan Data

STD1 1423A

Seq. No.: 2

Data: Original

A/S Pos: 2

Date: 5/19/03

2:13:03 PM

Element	Mean Corr.	Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068		280793.6	12203.14	4.35%	2.0000	mg/L
Al 308.215		224911.9	9385.00	4.17%	10.00	mg/L
As 188.979		3336.0	10.98	0.33%	1.000	mg/L
Ba 233.527		3754099.0	57282.65	1.53%	10.0000	mg/L
Be 313.107		2355711.7	46136.97	1.96%	1.00000	mg/L
Ca 227.547		15255.3	662.97	4.35%	100.0	mg/L
Cd 228.802		236186.3	9126.50	3.86%	2.000	mg/L
Co 228.616		360525.7	13776.37	3.82%	4.0000	mg/L
Cr 267.716		65016.5	2849.87	4.38%	1.0000	mg/L
Cu 324.754		930004.9	15657.95	1.68%	4.0000	mg/L
Fe 273.955		304001.2	12144.51	3.99%	10.00	mg/L
K 766.491		432297.9	11218.03	2.59%	30.00	mg/L
Mg 279.079		2136503.0	36716.80	1.72%	50.00	mg/L
Mn 257.610		4784097.5	82983.06	1.73%	4.0000	mg/L
Mo 202.030		54478.7	2148.58	3.94%	4.000	mg/L
Na 330.237		95569.7	4225.50	4.42%	200.00	mg/L
Ni 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

## uplicate 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

Mean Data

D: STD2 1423B

Seq. No.: 3  
Data: Original

A/S Pos: 3  
Date: 5/19/03 2:16:47 PM

Element	Mean Intensity	Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	145753.6		2113.68	1.45%	1.0000	mg/L
Al 308.215	120116.9		2145.25	1.79%	5.000	mg/L
As 188.979	1729.5		8.63	0.50%	0.500	mg/L
Ba 233.527	2046612.4		36785.49	1.80%	5.0000	mg/L
Be 313.107	1253537.1		25967.89	2.07%	0.50000	mg/L
Ca 227.547	8022.5		130.76	1.63%	50.00	mg/L
Cd 228.802	124032.0		1707.58	1.38%	1.000	mg/L
Co 228.616	191592.9		3258.24	1.70%	2.0000	mg/L
Cr 267.716	34230.9		348.06	1.02%	0.5000	mg/L
Cu 324.754	498836.4		8534.89	1.71%	2.0000	mg/L
Fe 273.955	161267.0		2789.75	1.73%	5.000	mg/L
K 766.491	196522.8		3258.56	1.66%	15.00	mg/L
Mg 279.079	1157678.7		20077.09	1.73%	25.000	mg/L
Mn 257.610	2504498.2		29444.54	1.18%	2.0000	mg/L
Mo 202.030	28752.0		418.77	1.46%	2.000	mg/L
Na 330.237	48276.2		820.49	1.70%	100.00	mg/L
Ni 231.604	104393.4		1835.80	1.76%	2.0000	mg/L
Pb 220.353	8917.7		22.40	0.25%	0.500	mg/L
Sb 206.833	8385.2		40.79	0.49%	2.000	mg/L
Se 196.026	1568.4		7.82	0.50%	0.5000	mg/L
Tl 190.800	1629.6		4.36	0.27%	0.500	mg/L
V 292.402	172238.5		1623.57	0.94%	2.0000	mg/L
Zn 213.856	213625.1		4168.75	1.95%	2.000	mg/L

Replicate Data

D: STD3 1423C

Date: 5/19/03 2:20:24 PM

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

an Data -----  
): STD3 1423C

Seq. No.: 4  
Data: Original

A/S Pos: 4  
Date: 5/19/03 2:20:24 PM

Element	Mean	Corr.	Intensity	Std.Dev.	RSD	Conc.	Calib	Units
Ag	328.068		71700.0	2548.39	3.55%	0.5000	mg/L	
Al	308.215		59661.2	2167.45	3.63%	2.500	mg/L	
As	188.979		886.3	7.07	0.80%	0.250	mg/L	
Ba	233.527		1029443.6	18863.37	1.83%	2.5000	mg/L	
Be	313.107		617516.8	10914.56	1.77%	0.25000	mg/L	
Ca	227.547		4088.3	21.94	0.54%	25.00	mg/L	
Cd	228.802		61124.1	2299.33	3.76%	0.500	mg/L	
Co	228.616		95544.3	3111.94	3.26%	1.0000	mg/L	
Cr	267.716		16963.0	445.21	2.62%	0.2500	mg/L	
Cu	324.754		246057.1	9079.70	3.69%	1.0000	mg/L	
Fe	273.955		79885.4	2671.77	3.34%	2.500	mg/L	
K	766.491		88179.6	1580.19	1.79%	7.500	mg/L	
Mg	279.079		580477.8	10477.37	1.80%	12.500	mg/L	
Mn	257.610		1286313.5	23608.55	1.84%	1.0000	mg/L	
Mo	202.030		14498.5	24.69	0.17%	1.000	mg/L	
Na	330.237		23037.8	719.32	3.12%	50.00	mg/L	
Ni	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

Element	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
c 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
c 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
c 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

uplicate Data

: CCV 1447B

Date: 5/19/03

2:24:01 PM

apl#	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		





n 213.856      209256.1      2.036      0.0644 mg/L      3.16%

Duplicate Data

D: CCB

Date: 5/19/03

2:27:31 PM

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%

uplicate Data

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

Element	Net Intensity	Corrected Intensity	Calib Conc. 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

O: Calib Blank

Seq. No.: 1  
Data: Original

A/S Pos: 1  
Date: 5/19/03 2:30:07 PM

Element	Mean	Corr.	Std.Dev.	RSD	Conc.	Calib
	Intensity					Units
Ag 328.068	3791.9		81.12	2.14%	0	mg/L
Al 308.215	4653.7		98.19	2.11%	0	mg/L
As 188.979	153.2		5.58	3.64%	0	mg/L
Ba 233.527	770.1		30.08	3.91%	0	mg/L
Be 313.107	2081.9		83.47	4.01%	0	mg/L
Ca 227.547	401.1		16.08	4.01%	0	mg/L
Cd 228.802	95.9		23.09	24.07%	0	mg/L
Co 228.616	-546.5		15.02	2.75%	0	mg/L
Cr 267.716	-192.3		89.63	46.60%	0	mg/L
Cu 324.754	2950.5		136.36	4.62%	0	mg/L
Fe 273.955	94.6		33.34	35.25%	0	mg/L
K 766.491	-443.0		315.85	71.30%	0	mg/L
Mg 279.079	2235.2		113.74	5.09%	0	mg/L
Mn 257.610	2271.3		76.57	3.37%	0	mg/L
Mo 202.030	-456.7		10.63	2.33%	0	mg/L
Na 330.237	-823.7		127.02	15.42%	0	mg/L
Ni 231.604	-531.0		12.98	2.44%	0	mg/L
Pb 220.353	153.6		4.91	3.19%	0	mg/L
Sb 206.833	110.7		7.98	7.21%	0	mg/L
Se 196.026	641.3		14.36	2.24%	0	mg/L
Tl 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

Calibration Summary

Method: 23ME ICP-M

Date: 5/19/03

2:31:05 PM

Element	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

Calibration Summary

Method: 23ME ICP-M

Date: 5/19/03

2:31:14 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
y 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
y 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

Replicate Data

CCV 1447B

Date: 5/19/03

2:32:40 PM

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

Sample Qty: 1.0000 g

Seq. No.: 5

Prep. Vol.:

Sample No.: 5

1.0 L

A/S Pos: 6

Dilution:

1.0:

1.0  
280

Data: Original

Date: 5/19/03

2:32:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	142332.9	1.005	0.0197	mg/L				1.96%
Al 308.215	118325.3	5.179	0.1033	mg/L				2.00%
As 188.979	1659.0	0.4980	0.00220	mg/L				0.44%
Ba 233.527	2004867.2	5.226	0.0967	mg/L				1.85%
Be 313.107	1196189.3	0.5005	0.00891	mg/L				1.78%
Ca 227.547	7785.9	50.37	1.329	mg/L				2.64%
Cd 228.802	119344.5	0.9993	0.02003	mg/L				2.00%
Co 228.616	184598.6	2.018	0.0370	mg/L				1.83%
Cr 267.716	33731.1	0.5126	0.00841	mg/L				1.64%
Cu 324.754	481968.6	2.039	0.0366	mg/L				1.79%
Fe 273.955	159166.5	5.163	0.0972	mg/L				1.88%
K 766.491	203379.6	15.63	0.510	mg/L				3.26%
Mg 279.079	1124077.9	25.79	0.499	mg/L				1.93%
Mn 257.610	2491066.4	2.057	0.0389	mg/L				1.89%
Mo 202.030	27926.2	2.023	0.0442	mg/L				2.18%
Na 330.237	47711.4	99.94	2.222	mg/L				2.22%
Ni 231.604	99448.0	2.005	0.0368	mg/L				1.84%
Pb 220.353	8864.3	0.5131	0.00358	mg/L				0.70%
Sb 206.833	8273.7	2.016	0.0098	mg/L				0.49%
Se 196.026	1572.7	0.5248	0.00219	mg/L				0.42%
Tl 190.800	1625.8	0.5152	0.00323	mg/L				0.63%
V 292.402	169634.8	2.046	0.0378	mg/L				1.85%
Zn 213.856	206455.1	2.008	0.0336	mg/L				1.67%

uplicate Data

D: CCB

Date: 5/19/03

2:36:09 PM

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

Scan Data

Detector: CCB	Seq. No.: 6	Sample No.: 6	A/S Pos: 1
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0:	1.0
	Data: Original	Date: 5/19/03	2:36:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	102.2	0.0007	0.00099	mg/L				136.90%
Al 308.215	56.6	0.0025	0.00537	mg/L				216.50%
As 188.979	-4.8	-0.0014	0.00208	mg/L				145.60%
Ba 233.527	236.4	0.0006	0.00040	mg/L				65.21%
Be 313.107	598.6	0.0003	0.00003	mg/L				12.28%
Ca 227.547	2.5	0.0161	0.02799	mg/L				173.68%
Cd 228.802	2.6	0.0000	0.00015	mg/L				667.74%
Co 228.616	42.5	0.0005	0.00014	mg/L				30.76%
Cr 267.716	-61.1	-0.0009	0.00013	mg/L				13.67%
Cu 324.754	123.3	0.0005	0.00115	mg/L				221.01%
Fe 273.955	-38.0	-0.0012	0.00357	mg/L				289.05%
K 766.491	382.9	0.1303	0.03335	mg/L				25.60%
Mg 279.079	116.4	0.0027	0.00094	mg/L				35.07%
Mn 257.610	266.9	0.0002	0.00016	mg/L				72.49%
Mo 202.030	10.8	0.0008	0.00024	mg/L				31.20%
Na 330.237	-175.9	0.1893	0.21824	mg/L				115.31%
Ni 231.604	14.8	0.0003	0.00036	mg/L				120.78%
Pb 220.353	-3.5	-0.0002	0.00112	mg/L				555.42%
Sb 206.833	-3.8	-0.0009	0.00116	mg/L				125.58%
Se 196.026	-3.6	-0.0012	0.00225	mg/L				186.20%
Tl 190.800	-6.8	-0.0022	0.00069	mg/L				31.93%
V 292.402	-140.6	-0.0017	0.00097	mg/L				56.97%
Zn 213.856	47.9	0.0005	0.00012	mg/L				25.29%

Replicate Data

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

D: 6776-1 F=3

Seq. No.: 7

Sample No.: 30

A/S Pos: 39

Sample Qty: 1.0000 mL

Prep. Vol.: 1.0 mL

1.0 mL

Dilution: 1.0:

3.0

Data: Original

Date: 5/19/03

2:39:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-7.3	-0.0001	0.00093	mg/L	-0.0002	0.00280	ppm	>999.9%
Al 308.215	369.6	0.0162	0.00614	mg/L	0.0485	0.01842	ppm	37.97%
As 188.979	6.8	0.0020	0.00062	mg/L	0.0060	0.00186	ppm	30.79%
Ba 233.527	27636.4	0.0720	0.00122	mg/L	0.2161	0.00365	ppm	1.69%
Be 313.107	-217.4	-0.0001	0.00005	mg/L	-0.0003	0.00014	ppm	52.84%
Ca 227.547	4647.6	30.07	0.091	mg/L	90.20	0.273	ppm	0.30%
Cd 228.802	7.5	0.0001	0.00005	mg/L	0.0002	0.00015	ppm	76.76%
Co 228.616	18.7	0.0002	0.00022	mg/L	0.0006	0.00065	ppm	106.90%
Cr 267.716	246.9	0.0038	0.00053	mg/L	0.0113	0.00159	ppm	14.10%
Cu 324.754	209.5	0.0009	0.00050	mg/L	0.0027	0.00149	ppm	55.94%
Fe 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%
Mg 279.079	565583.5	12.98	0.207	mg/L	38.93	0.622	ppm	1.60%
Mn 257.610	1648532.9	1.361	0.0209	mg/L	4.084	0.0626	ppm	1.53%
Mo 202.030	84.1	0.0061	0.00049	mg/L	0.0183	0.00147	ppm	8.07%
Na 330.237	62611.5	131.0	1.29	mg/L	393.0	3.88	ppm	0.99%
Ni 231.604	84.9	0.0017	0.00046	mg/L	0.0051	0.00138	ppm	26.82%
Pb 220.353	-27.3	-0.0016	0.00030	mg/L	-0.0047	0.00091	ppm	19.28%
Sb 206.833	-12.9	-0.0032	0.00233	mg/L	-0.0095	0.00700	ppm	73.96%
Se 196.026	-3.3	-0.0011	0.00025	mg/L	-0.0033	0.00074	ppm	22.77%
Tl 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%
Zn 213.856	212.5	0.0021	0.00003	mg/L	0.0062	0.00009	ppm	1.49%

Replicate Data

D: 3205-2 F=1

Date: 5/19/03

2:43:02 PM

Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	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	Date: 5/19/03 2:43:02 PM
	Data: Original		

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%
a 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%
a 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%
l 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%
l 324.754	1055.3	0.0045	0.00050	mg/L	0.0045	0.00050	ppm	11.11%
a 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%
l 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%
l 231.604	124.7	0.0025	0.00046	mg/L	0.0025	0.00046	ppm	18.38%
o 220.353	108.8	0.0063	0.00147	mg/L	0.0063	0.00147	ppm	23.28%
o 206.833	-2.1	-0.0005	0.00092	mg/L	-0.0005	0.00092	ppm	178.77%
a 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%
l 213.856	466.5	0.0045	0.00008	mg/L	0.0045	0.00008	ppm	1.75%

uplicate Data

D: 3205-3 F=1	Date: 5/19/03	2:46:28 PM
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Element	Net Intensity	Corrected Intensity	Calib Conc.	Sample Conc.	Units
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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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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%

uplicate Data

D: 3205-4 F=1

Date: 5/19/03

2:49:55 PM

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

Scan Data

Sample No.: 33      A/S Pos: 42  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Date: 5/19/03      2:49:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag	-4.7	0.0000	0.00158	mg/L	0.0000	0.00158	ppm	>999.9%
Al	786.0	0.0344	0.00173	mg/L	0.0344	0.00173	ppm	5.03%
As	-1.3	0.0013	0.00281	mg/L	0.0013	0.00281	ppm	218.59%
Ba	15420.0	0.0402	0.00028	mg/L	0.0402	0.00028	ppm	0.70%
Be	-662.7	-0.0003	0.00003	mg/L	-0.0003	0.00003	ppm	11.61%
Ca	8219.8	53.17	0.578	mg/L	53.17	0.578	ppm	1.09%
Cd	37.5	0.0003	0.00010	mg/L	0.0003	0.00010	ppm	31.92%
Co	-7.1	-0.0001	0.00010	mg/L	-0.0001	0.00010	ppm	132.35%
Cr	408.4	0.0062	0.00065	mg/L	0.0062	0.00065	ppm	10.53%
Cu	2053.5	0.0087	0.00026	mg/L	0.0087	0.00026	ppm	3.00%
Fe	5432.2	0.1762	0.00427	mg/L	0.1762	0.00427	ppm	2.42%
K	27975.4	2.461	0.0448	mg/L	2.461	0.0448	ppm	1.82%
Mg	763010.9	17.51	0.204	mg/L	17.51	0.204	ppm	1.16%
Mn	1869.3	0.0015	0.00005	mg/L	0.0015	0.00005	ppm	3.43%
Mo	130.9	0.0095	0.00024	mg/L	0.0095	0.00024	ppm	2.55%
Na	9064.1	19.42	0.135	mg/L	19.42	0.135	ppm	0.69%
Ni	160.4	0.0032	0.00028	mg/L	0.0032	0.00028	ppm	8.61%
Pb	6.5	0.0004	0.00050	mg/L	0.0004	0.00050	ppm	133.88%
Sb	-1.6	-0.0004	0.00060	mg/L	-0.0004	0.00060	ppm	150.14%
Se	-9.7	-0.0032	0.00293	mg/L	-0.0032	0.00293	ppm	90.17%
Tl	-16.6	-0.0053	0.00071	mg/L	-0.0053	0.00071	ppm	13.45%
V	241.5	0.0029	0.00077	mg/L	0.0029	0.00077	ppm	26.45%
Zn	1088.1	0.0106	0.00015	mg/L	0.0106	0.00015	ppm	1.39%

Replicate Data

Sample No.: 3205-5 F=1      Date: 5/19/03      2:53:23 PM

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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-47.7	-0.0003	0.00080	mg/L	-0.0003	0.00080	ppm	238.36%
Al 308.215	724.8	0.0317	0.00790	mg/L	0.0317	0.00790	ppm	24.90%
As 188.979	-8.9	-0.0004	0.00156	mg/L	-0.0004	0.00156	ppm	400.17%
Ba 233.527	22245.1	0.0580	0.00198	mg/L	0.0580	0.00198	ppm	3.41%
Be 313.107	-734.3	-0.0003	0.00002	mg/L	-0.0003	0.00002	ppm	5.57%
Ca 227.547	11063.0	71.57	2.410	mg/L	71.57	2.410	ppm	3.37%
Cd 228.802	47.8	0.0004	0.00016	mg/L	0.0004	0.00016	ppm	39.52%
Co 228.616	22.3	0.0002	0.00006	mg/L	0.0002	0.00006	ppm	24.38%
Cr 267.716	682.1	0.0104	0.00042	mg/L	0.0104	0.00042	ppm	4.01%
Cu 324.754	932.0	0.0039	0.00040	mg/L	0.0039	0.00040	ppm	10.07%
Fe 273.955	1788.4	0.0580	0.00190	mg/L	0.0580	0.00190	ppm	3.28%
K 766.491	35117.0	3.050	0.1455	mg/L	3.050	0.1455	ppm	4.77%
Mg 279.079	888122.4	20.38	0.749	mg/L	20.38	0.749	ppm	3.68%
Mn 257.610	7419.0	0.0061	0.00019	mg/L	0.0061	0.00019	ppm	3.10%
Mo 202.030	117.8	0.0085	0.00024	mg/L	0.0085	0.00024	ppm	2.76%
Na 330.237	11079.1	23.62	1.343	mg/L	23.62	1.343	ppm	5.69%
Ni 231.604	232.7	0.0047	0.00009	mg/L	0.0047	0.00009	ppm	1.97%
Pb 220.353	1.8	0.0001	0.00045	mg/L	0.0001	0.00045	ppm	419.70%
Sb 206.833	-0.4	-0.0001	0.00269	mg/L	-0.0001	0.00269	ppm	>999.9%
Se 196.026	-6.3	-0.0021	0.00203	mg/L	-0.0021	0.00203	ppm	97.28%
Tl 190.800	-16.9	-0.0053	0.00026	mg/L	-0.0053	0.00026	ppm	4.87%
V 292.402	386.1	0.0047	0.00079	mg/L	0.0047	0.00079	ppm	16.92%
Zn 213.856	1260.3	0.0123	0.00025	mg/L	0.0123	0.00025	ppm	2.02%

Replicate Data

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

Sample#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	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 -----  
 Sample No.: 12      Sample No.: 35      A/S Pos: 44  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 5/19/03 2:56:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-24.6	-0.0002	0.00058	mg/L	-0.0002	0.00058	ppm	335.05%
Al 308.215	204.6	0.0090	0.00048	mg/L	0.0090	0.00048	ppm	5.33%
As 188.979	-2.4	0.0006	0.00195	mg/L	0.0006	0.00195	ppm	322.14%
Ba 233.527	20440.2	0.0533	0.00077	mg/L	0.0533	0.00077	ppm	1.44%
Be 313.107	-875.8	-0.0004	0.00002	mg/L	-0.0004	0.00002	ppm	4.49%
Ca 227.547	6437.1	41.64	0.187	mg/L	41.64	0.187	ppm	0.45%
Cd 228.802	43.0	0.0004	0.00015	mg/L	0.0004	0.00015	ppm	41.07%
Co 228.616	-22.6	-0.0002	0.00008	mg/L	-0.0002	0.00008	ppm	31.13%
Cu 324.754	321.3	0.0049	0.00075	mg/L	0.0049	0.00075	ppm	15.30%
Fe 273.955	269.2	0.0011	0.00038	mg/L	0.0011	0.00038	ppm	33.06%
K 766.491	5219.4	0.1693	0.00297	mg/L	0.1693	0.00297	ppm	1.75%
Mg 279.079	21931.6	1.958	0.0448	mg/L	1.958	0.0448	ppm	2.29%
Mn 257.610	601086.4	13.79	0.168	mg/L	13.79	0.168	ppm	1.22%
Mo 202.030	2954.8	0.0024	0.00016	mg/L	0.0024	0.00016	ppm	6.53%
Na 330.237	144.4	0.0105	0.00022	mg/L	0.0105	0.00022	ppm	2.06%
Ni 231.604	13547.7	28.75	0.618	mg/L	28.75	0.618	ppm	2.15%
Pb 220.353	102.5	0.0021	0.00029	mg/L	0.0021	0.00029	ppm	13.95%
Sb 206.833	8.2	0.0005	0.00132	mg/L	0.0005	0.00132	ppm	278.11%
Se 196.026	-3.8	-0.0009	0.00293	mg/L	-0.0009	0.00293	ppm	318.30%
Tl 190.800	-14.7	-0.0049	0.00458	mg/L	-0.0049	0.00458	ppm	93.40%
V 292.402	-17.9	-0.0057	0.00085	mg/L	-0.0057	0.00085	ppm	15.00%
Zn 213.856	318.5	0.0038	0.00118	mg/L	0.0038	0.00118	ppm	30.75%
	2137.4	0.0208	0.00025	mg/L	0.0208	0.00025	ppm	1.21%

uplicate 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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	85.3	0.0006	0.00022	mg/L	0.0006	0.00022	ppm	37.30%
Al 308.215	1121.4	0.0491	0.00685	mg/L	0.0491	0.00685	ppm	13.96%
As 188.979	1.1	0.0003	0.00164	mg/L	0.0003	0.00164	ppm	519.01%
Ba 233.527	22526.7	0.0587	0.00126	mg/L	0.0587	0.00126	ppm	2.15%
Be 313.107	-929.3	-0.0004	0.00004	mg/L	-0.0004	0.00004	ppm	11.31%
Ca 227.547	1384.9	8.959	0.2162	mg/L	8.959	0.2162	ppm	2.41%
Cd 228.802	41.7	0.0003	0.00006	mg/L	0.0003	0.00006	ppm	16.30%
Co 228.616	-7.6	-0.0001	0.00007	mg/L	-0.0001	0.00007	ppm	81.89%
Cr 267.716	939.2	0.0143	0.00075	mg/L	0.0143	0.00075	ppm	5.24%
Cu 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%
Fe 766.491	20420.2	1.831	0.0157	mg/L	1.831	0.0157	ppm	0.86%
Mg 279.079	202936.1	4.656	0.0809	mg/L	4.656	0.0809	ppm	1.74%
Mn 257.610	5318.3	0.0044	0.00001	mg/L	0.0044	0.00001	ppm	0.20%
Mo 202.030	212.0	0.0154	0.00017	mg/L	0.0154	0.00017	ppm	1.11%
Na 330.237	25076.0	52.76	0.955	mg/L	52.76	0.955	ppm	1.81%
Ni 231.604	431.6	0.0087	0.00014	mg/L	0.0087	0.00014	ppm	1.61%
Pb 220.353	-23.9	-0.0014	0.00053	mg/L	-0.0014	0.00053	ppm	38.14%
Sb 206.833	-12.1	-0.0030	0.00208	mg/L	-0.0030	0.00208	ppm	70.40%
Se 196.026	-9.2	-0.0031	0.00265	mg/L	-0.0031	0.00265	ppm	85.96%
Tl 190.800	-21.6	-0.0069	0.00270	mg/L	-0.0069	0.00270	ppm	39.41%
V 292.402	-56.0	-0.0007	0.00032	mg/L	-0.0007	0.00032	ppm	47.31%
Zn 213.856	1016.0	0.0099	0.00019	mg/L	0.0099	0.00019	ppm	1.94%

Replicate Data

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

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

Scan Data

D: 3234-1 F=1

Sample Qty: 1.0000 mL

Seq. No.: 14

Prep. Vol.: Data: Original

Sample No.: 37

1.0 mL

A/S Pos: 46

Dilution:

1.0:

1.0

Date: 5/19/03

3:03:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-16.6	-0.0001	0.00015	mg/L	-0.0001	0.00015	ppm	127.66%
Al 308.215	306.6	0.0134	0.00197	mg/L	0.0134	0.00197	ppm	14.71%
As 188.979	-5.2	-0.0001	0.00128	mg/L	-0.0001	0.00128	ppm	>999.9%
Ba 233.527	7830.9	0.0204	0.00022	mg/L	0.0204	0.00022	ppm	1.07%
Be 313.107	-970.6	-0.0004	0.00004	mg/L	-0.0004	0.00004	ppm	10.80%
Ca 227.547	7138.0	46.18	0.552	mg/L	46.18	0.552	ppm	1.19%
Cd 228.802	17.8	0.0001	0.00005	mg/L	0.0001	0.00005	ppm	33.19%
Co 228.616	-17.7	-0.0002	0.00012	mg/L	-0.0002	0.00012	ppm	60.43%
Cr 267.716	-29.5	-0.0004	0.00067	mg/L	-0.0004	0.00067	ppm	148.30%
Cu 324.754	43650.9	0.1847	0.00462	mg/L	0.1847	0.00462	ppm	2.50%
Fe 273.955	-21.0	-0.0007	0.00074	mg/L	-0.0007	0.00074	ppm	107.87%
K 766.491	31141.3	2.723	0.1137	mg/L	2.723	0.1137	ppm	4.18%
Mg 279.079	379939.1	8.717	0.1648	mg/L	8.717	0.1648	ppm	1.89%
Mn 257.610	716.7	0.0006	0.00012	mg/L	0.0006	0.00012	ppm	20.70%
Mo 202.030	79.9	0.0058	0.00021	mg/L	0.0058	0.00021	ppm	3.57%
Na 330.237	3964.6	8.806	0.2675	mg/L	8.806	0.2675	ppm	3.04%
Ni 231.604	-14.5	-0.0003	0.00039	mg/L	-0.0003	0.00039	ppm	135.00%
Pb 220.353	-5.6	-0.0003	0.00025	mg/L	-0.0003	0.00025	ppm	77.22%
Sb 206.833	-4.1	-0.0010	0.00306	mg/L	-0.0010	0.00306	ppm	303.31%
Se 196.026	-2.1	-0.0007	0.00438	mg/L	-0.0007	0.00438	ppm	639.53%
Tl 190.800	-14.8	-0.0047	0.00359	mg/L	-0.0047	0.00359	ppm	76.58%
V 292.402	78.3	0.0009	0.00129	mg/L	0.0009	0.00129	ppm	136.27%
Zn 213.856	2814.8	0.0274	0.00017	mg/L	0.0274	0.00017	ppm	0.69%

Replicate Data

ID: 3234-2 F=1

Date: 5/19/03

3:07:19 PM

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

*gw*

*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

Mean Data

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

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	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	-11.9	-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	0.8	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. gwt 5/19/03*

Calibration Summary Method: 23ME ICP-M

Date: 5/19/03 3:08:44 PM

Element	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

Replicate 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