Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 16:53:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48415	.49526	.48885	.49206	.50064	49.806	.47192
SDev	.00100	.00316	.00222	.01002	.00000	.154	.00093
%RSD	.20723	.63744	.45488	2.0367	.00000	.30900	.19643
#1	.48486	.49750	.48728	.48497	.50064	49.697	.47126
#2	.48344	.49303	.49042	.49914	.50064	49.915	.47258
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50388	50.855	.48113	.48270	.48821	.49964	20.627
SDev	.00056	.088	.00032	.00147	.00042	.00158	.005
%RSD	.11047	.17342	.06606	.30389	.08606	.31583	.02498
#1	.50349	50.793	.48091	.48166	.48791	.49852	20.630
#2	.50427	50.917	.48136	.48374	.48850	.50075	20.623
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.155	50.442	.48568	20.373	.47194	.47834	.50129
SDev	.088	.105	.00108	.085	.00111	.00516	.00126
%RSD	.43611	.20907	.22143	.41768	.23531	1.0796	.25223
#1	20.093	50.367	.48492	20.313	.47273	.48200	.50039
#2	20.217	50.516	.48644	20.433	.47115	.47469	.50218
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49102	.50240	.49156	.49099	.51185
SDev	.00128	.00066	.00244	.00743	.00275
%RSD	.26049	.13097	.49634	1.5122	.53662
#1	.49012	.50194	.49329	.48574	.50991
#2	.49193	.50287	.48984	.49624	.51379
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 16:55:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00149	.00026	.00067	-.00342	-.00018	-.00075	-.00038
SDev	.00128	.00083	.00512	.00507	.00046	.00386	.00007
%RSD	85.859	323.48	762.76	148.46	251.62	515.34	18.328
#1	.00240	-.00033	-.00295	.00017	.00014	.00198	-.00043
#2	.00059	.00085	.00429	-.00701	-.00051	-.00348	-.00033
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00011	.04775	-.00031	-.00072	.00015	.00036	.02871
SDev	.00002	.00453	.00015	.00034	.00012	.00016	.01211
%RSD	16.287	9.4820	46.998	47.594	83.071	43.701	42.175
#1	.00010	.05095	-.00042	-.00048	.00006	.00025	.03727
#2	.00012	.04455	-.00021	-.00097	.00024	.00047	.02015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.27640	-.00701	.00046	.06083	.00029	-.00133	-.00018
SDev	.02577	.00290	.00003	.00027	.00045	.00066	.00036
%RSD	9.3249	41.350	5.5085	.43792	155.51	49.458	197.93
#1	.25818	-.00906	.00048	.06102	-.00003	-.00180	-.00044
#2	.29463	-.00496	.00044	.06065	.00060	-.00087	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00058	.00255	.00067	-.00206	-.00338
SDev	.00000	.00169	.00013	.00168	.00316
%RSD	.00000	66.267	19.164	81.687	93.501
#1	.00058	.00135	.00058	-.00087	-.00115
#2	.00058	.00374	.00076	-.00324	-.00561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-1D 5X Operator: SW
Run Time: 07/12/04 16:58:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00542	.00170	-.00022	-.00001	.00025	10.302	.05498
SDev	.00279	.00106	.00034	.00013	.00069	.022	.00003
%RSD	51.401	62.533	152.31	1284.4	280.54	.21088	.06376
#1	.00739	.00095	.00002	-.00010	-.00024	10.318	.05500
#2	.00345	.00245	-.00047	.00008	.00074	10.287	.05495
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	308.18	-.00012	.01005	.01784	.01603	20.287
SDev	.00000	1.40	.00014	.00004	.00079	.00007	.089
%RSD	.05162	.45354	116.27	.42860	4.4450	.42230	.43903
#1	.00037	307.19	-.00022	.01002	.01728	.01598	20.224
#2	.00037	309.17	-.00002	.01008	.01840	.01608	20.350
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.2503	10.379	.60770	13.662	.00604	-.00149	.05140
SDev	.0067	.027	.00203	.079	.00014	.00109	.00036
%RSD	.29836	.25681	.33349	.57883	2.3737	73.403	.70260
#1	2.2455	10.360	.60626	13.718	.00594	-.00226	.05114
#2	2.2550	10.397	.60913	13.606	.00614	-.00072	.05165
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.03460	.00347	.00294	-.00008	-.00220
SDev	.00109	.00110	.00022	.00003	.00075
%RSD	3.1605	31.544	7.4517	35.581	34.210
#1	.03383	.00425	.00309	-.00006	-.00167
#2	.03538	.00270	.00278	-.00010	-.00273
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1L 25X Operator: SW
Run Time: 07/12/04 17:00:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00181	.00088	.00342	-.00003	.00051	2.1251	.01221
SDev	.00012	.00046	.00326	.00690	.00036	.0044	.00011
%RSD	6.5719	52.489	95.485	20525.	69.415	.20590	.86081
#1	.00189	.00121	.00572	.00484	.00077	2.1282	.01228
#2	.00172	.00056	.00111	-.00491	.00026	2.1220	.01214
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00012	67.405	-.00024	.00184	.00383	.00283	4.0649
SDev	.00000	.093	.00006	.00009	.00008	.00018	.0160
%RSD	.24846	.13735	22.999	4.6828	2.0283	6.3684	.39372
#1	.00012	67.470	-.00028	.00178	.00378	.00296	4.0762
#2	.00012	67.339	-.00020	.00190	.00389	.00271	4.0536
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.64329	2.1985	.13401	2.8601	.00092	-.00063	.00990
SDev	.00190	.0064	.00008	.0046	.00030	.00243	.00054
%RSD	.29472	.29289	.05647	.16200	32.932	388.12	5.4694
#1	.64195	2.2030	.13406	2.8569	.00114	-.00235	.01029
#2	.64463	2.1939	.13396	2.8634	.00071	.00109	.00952
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00702	.00080	.00119	.00112	-.00021
SDev	.00036	.00122	.00035	.00569	.00132
%RSD	5.1895	152.33	29.294	509.90	635.99
#1	.00677	-.00006	.00144	.00514	.00073
#2	.00728	.00166	.00094	-.00291	-.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/12/04 05:06:44 PM

Method: TRACE Sample Name: 0405096-1MS 5X Operator: SW
Run Time: 07/12/04 17:04:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11953	.11841	.09893	.10656	.00458	12.951	.14608
SDev	.00084	.00158	.00291	.00255	.00040	.043	.00060
%RSD	.70646	1.3344	2.9434	2.3976	8.7068	.32933	.40828
#1	.12013	.11953	.10099	.10837	.00429	12.981	.14650
#2	.11893	.11729	.09687	.10475	.00486	12.921	.14566
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.09736	300.36	.10973	.10324	.11012	.11381	23.431
SDev	.00034	1.39	.00038	.00021	.00047	.00027	.031
%RSD	.34830	.46309	.34925	.20858	.42364	.23786	.13321
#1	.09712	299.37	.10945	.10309	.10979	.11400	23.409
#2	.09760	301.34	.11000	.10339	.11045	.11361	23.453
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.2642	11.003	.71800	13.650	.09841	.00240	.14946
SDev	.0113	.024	.00128	.119	.00045	.00109	.00036
%RSD	.50009	.21977	.17836	.87011	.45574	45.396	.24164
#1	2.2562	10.986	.71709	13.734	.09809	.00163	.14920
#2	2.2722	11.020	.71890	13.566	.09872	.00318	.14971
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.13090	.11327	.11878	.10402	-.00657
SDev	.00055	.00020	.00134	.00267	.00080
%RSD	.41794	.17749	1.1240	2.5704	12.198
#1	.13051	.11313	.11973	.10591	-.00714
#2	.13129	.11341	.11784	.10213	-.00601
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MSD 5X Operator: SW
Run Time: 07/12/04 17:06:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11658	.11779	.10098	.10968	.00435	11.191	.14372
SDev	.00527	.00138	.00516	.00108	.00038	.025	.00008
%RSD	4.5171	1.1747	5.1066	.98065	8.6699	.22458	.05695
#1	.12031	.11877	.10463	.10892	.00462	11.173	.14366
#2	.11286	.11681	.09733	.11044	.00409	11.208	.14377
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.09739	302.29	.10967	.10235	.11074	.10958	19.930
SDev	.00009	.42	.00000	.00052	.00053	.00034	.031
%RSD	.09188	.13757	.00255	.50546	.47746	.30881	.15580
#1	.09745	302.59	.10967	.10199	.11111	.10934	19.952
#2	.09733	302.00	.10967	.10272	.11036	.10982	19.908
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.2176	9.5854	.69228	13.635	.09791	.00394	.14180
SDev	.0042	.0016	.00046	.051	.00047	.00304	.00036
%RSD	.18950	.01705	.06592	.37732	.47676	77.130	.25470
#1	2.2206	9.5865	.69260	13.598	.09758	.00179	.14154
#2	2.2146	9.5842	.69196	13.671	.09824	.00609	.14205
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.12420	.11118	.11739	.10678	-.00575
SDev	.00164	.00043	.00268	.00100	.00080
%RSD	1.3214	.39014	2.2801	.93629	13.938
#1	.12536	.11149	.11928	.10749	-.00519
#2	.12304	.11087	.11550	.10607	-.00632
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-5 2X Operator: SW
Run Time: 07/12/04 17:09:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07238	.08255	-.00589	.01147	.00007	43.467	.31052
SDev	.00157	.00115	.00180	.00779	.00027	.176	.00032
%RSD	2.1723	1.3938	30.526	67.878	396.65	.40393	.10186
#1	.07127	.08174	-.00461	.00596	.00026	43.343	.31030
#2	.07349	.08336	-.00716	.01698	-.00012	43.591	.31074
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00472	6.8438	.00021	.02950	.17486	.05674	98.764
SDev	.00004	.0085	.00001	.00069	.00073	.00038	.078
%RSD	.75614	.12363	3.3585	2.3384	.41803	.67593	.07905
#1	.00469	6.8497	.00021	.02901	.17538	.05647	98.708
#2	.00474	6.8378	.00020	.02999	.17434	.05702	98.819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.8124	27.699	3.4508	11.647	.09055	-.00015	.17857
SDev	.0254	.026	.0011	.078	.00002	.00481	.00000
%RSD	.43694	.09284	.03317	.66707	.02079	3250.2	.00000
#1	5.7944	27.681	3.4500	11.592	.09054	.00325	.17857
#2	5.8303	27.718	3.4516	11.701	.09056	-.00355	.17857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.54556	.02184	.07916	.00569	-.00186
SDev	.00201	.00523	.00129	.00460	.00115
%RSD	.36853	23.951	1.6308	80.742	61.904
#1	.54698	.02554	.07825	.00244	-.00105
#2	.54413	.01814	.08008	.00894	-.00268
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-6 2X Operator: SW
Run Time: 07/12/04 17:11:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00052	.01146	-.00715	.01312	-.00014	68.591	.14825
SDev	.00032	.00029	.00156	.00144	.00027	.279	.00046
%RSD	61.131	2.5149	21.767	10.987	196.31	.40700	.30766
#1	.00030	.01126	-.00605	.01414	.00005	68.394	.14793
#2	.00075	.01167	-.00826	.01210	-.00033	68.788	.14857
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00140	37.060	-.00112	.04898	.22269	.07948	171.42
SDev	.00000	.156	.00009	.00039	.00143	.00054	.58
%RSD	.06174	.42032	8.4038	.79241	.64258	.68127	.33981
#1	.00140	36.950	-.00119	.04871	.22168	.07909	171.01
#2	.00139	37.171	-.00105	.04925	.22370	.07986	171.83
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.027	56.963	2.7573	4.4755	.30928	.00016	.21215
SDev	.028	.245	.0092	.0175	.00113	.00027	.00162
%RSD	.25205	.43029	.33512	.39160	.36519	165.77	.76609
#1	11.008	56.790	2.7508	4.4631	.31007	-.00003	.21101
#2	11.047	57.136	2.7638	4.4879	.30848	.00036	.21330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.22841	.00757	.00782	.00637	-.00107
SDev	.00310	.00064	.00030	.00148	.00572
%RSD	1.3580	8.4820	3.8243	23.243	532.88
#1	.22622	.00802	.00761	.00741	.00297
#2	.23061	.00711	.00803	.00532	-.00512
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-7 2X Operator: SW
Run Time: 07/12/04 17:14:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07414	.08223	-.06929	.00598	-.00020	32.597	.13168
SDev	.00272	.00152	.00855	.00142	.00015	.030	.00027
%RSD	3.6681	1.8501	12.343	23.718	74.070	.09338	.20424
#1	.07606	.08116	-.07533	.00498	-.00009	32.618	.13187
#2	.07221	.08331	-.06324	.00699	-.00030	32.575	.13149
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00188	315.70	.00103	.02108	.10481	.04917	86.519
SDev	.00000	.34	.00009	.00017	.00026	.00014	.004
%RSD	.00508	.10860	8.2527	.81822	.25223	.27534	.00507
#1	.00188	315.46	.00097	.02121	.10462	.04926	86.522
#2	.00188	315.94	.00109	.02096	.10500	.04907	86.516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	12.894	38.537	1.3896	69.385	.03597	.00200	.14805
SDev	.024	.054	.0002	.011	.00011	.00477	.00018
%RSD	.18801	.13989	.01286	.01553	.29963	238.86	.12197
#1	12.911	38.499	1.3897	69.377	.03605	-.00138	.14818
#2	12.877	38.576	1.3895	69.392	.03589	.00537	.14793
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.19603	.03201	.07954	L-.01908	-.00289
SDev	.00073	.00276	.00011	.00379	.00118
%RSD	.37224	8.6103	.13733	19.883	40.898
#1	.19552	.03006	.07946	L-.02177	-.00372
#2	.19655	.03396	.07961	L-.01640	-.00205
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-8 5X Operator: SW
Run Time: 07/12/04 17:16:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02161	.02401	-.03923	.00087	-.00055	12.030	.04992
SDev	.00179	.00198	.00205	.00320	.00019	.138	.00042
%RSD	8.3009	8.2307	5.2218	370.09	34.063	1.1470	.84261
#1	.02034	.02541	-.03778	-.00140	-.00042	12.127	.05021
#2	.02288	.02262	-.04067	.00313	-.00069	11.932	.04962
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00065	219.06	-.00002	.00731	.04905	.01571	22.863
SDev	.00000	.77	.00004	.00030	.00044	.00034	.119
%RSD	.02926	.35294	182.62	4.1301	.88756	2.1543	.51931
#1	.00065	219.61	.00001	.00752	.04936	.01595	22.947
#2	.00065	218.51	-.00005	.00710	.04875	.01547	22.779
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.4344	13.514	.64120	19.000	.01693	-.00073	.04118
SDev	.0488	.089	.00334	.361	.00091	.00022	.00036
%RSD	1.4210	.66114	.52167	1.8983	5.3982	29.673	.87685
#1	3.4689	13.577	.64357	19.255	.01628	-.00058	.04144
#2	3.3999	13.451	.63883	18.745	.01757	-.00088	.04093
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07198	.00839	.02321	L-.01248	-.00087
SDev	.00073	.00150	.00072	.00146	.00113
%RSD	1.0131	17.887	3.1062	11.661	130.83
#1	.07250	.00945	.02372	L-.01351	-.00167
#2	.07147	.00732	.02270	L-.01146	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-10 2X Operator: SW
Run Time: 07/12/04 17:19:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04145	.03892	-.02320	.00289	-.00002	29.552	.16452
SDev	.00022	.00011	.00196	.01009	.00019	.065	.00046
%RSD	.53952	.27499	8.4549	349.27	932.48	.21899	.27728
#1	.04129	.03885	-.02458	-.00425	-.00015	29.507	.16420
#2	.04161	.03900	-.02181	.01003	.00011	29.598	.16485
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00107	281.19	.00002	.02036	.09508	.05762	56.081
SDev	.00000	.52	.00004	.00017	.00040	.00005	.146
%RSD	.01782	.18568	185.66	.84591	.42523	.07831	.26112
#1	.00107	280.82	.00005	.02049	.09479	.05765	55.977
#2	.00107	281.56	-.00001	.02024	.09537	.05759	56.184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.797	26.527	1.1155	25.677	.03558	.00258	.10324
SDev	.030	.052	.0027	.034	.00052	.00458	.00036
%RSD	.25608	.19703	.23844	.13426	1.4606	178.04	.34982
#1	11.776	26.490	1.1136	25.653	.03521	-.00067	.10298
#2	11.819	26.564	1.1174	25.701	.03594	.00582	.10349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.14728	.00475	.03976	-.00580	-.00434
SDev	.00109	.00384	.00015	.00739	.00322
%RSD	.74299	80.753	.36681	127.40	74.068
#1	.14805	.00746	.03966	L-.01102	-.00661
#2	.14651	.00204	.03987	-.00057	-.00207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-13 2X Operator: SW
Run Time: 07/12/04 17:21:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01986	.02776	-.01161	.00977	.00011	47.230	.17038
SDev	.00352	.00179	.01050	.00674	.00088	.097	.00013
%RSD	17.707	6.4485	90.448	69.018	777.91	.20521	.07553
#1	.01737	.02903	-.01903	.01454	-.00051	47.162	.17029
#2	.02234	.02650	-.00418	.00500	.00074	47.299	.17047
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00474	4.8497	.00009	.04103	.16330	.03463	114.26
SDev	.00000	.0176	.00002	.00000	.00106	.00016	.43
%RSD	.00403	.36228	18.055	.00011	.64760	.45605	.37448
#1	.00474	4.8373	.00010	.04103	.16255	.03452	113.96
#2	.00474	4.8622	.00007	.04103	.16405	.03474	114.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.7685	34.913	5.4954	1.9067	.03952	.00133	.17857
SDev	.0104	.113	.0187	.0010	.00018	.00102	.00036
%RSD	.18022	.32293	.34038	.05246	.45358	77.025	.20225
#1	5.7612	34.834	5.4822	1.9074	.03939	.00060	.17832
#2	5.7759	34.993	5.5086	1.9060	.03965	.00205	.17883
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.31346	.00872	.02513	.00265	-.00205
SDev	.00000	.00092	.00002	.00100	.00061
%RSD	.00000	10.581	.09243	37.772	29.556
#1	.31346	.00807	.02515	.00336	-.00162
#2	.31346	.00938	.02511	.00194	-.00248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 17:24:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49562	.49745	.49278	.50179	.50256	50.060	.47166
SDev	.00198	.00360	.00299	.00194	.00156	.029	.00124
%RSD	.40045	.72416	.60740	.38695	.31005	.05695	.26372
#1	.49421	.49490	.49489	.50316	.50366	50.081	.47254
#2	.49702	.49999	.49066	.50042	.50146	50.040	.47078
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50733	51.048	.48244	.48462	.49095	.50161	20.736
SDev	.00018	.035	.00102	.00091	.00050	.00180	.015
%RSD	.03538	.06945	.21210	.18700	.10142	.35952	.07287
#1	.50745	51.023	.48317	.48526	.49060	.50289	20.725
#2	.50720	51.073	.48172	.48398	.49130	.50034	20.746
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.261	50.788	.48870	20.508	.47230	.47600	.50205
SDev	.006	.029	.00013	.010	.00072	.00312	.00054
%RSD	.02787	.05768	.02589	.04936	.15170	.65605	.10792
#1	20.257	50.809	.48879	20.515	.47179	.47379	.50244
#2	20.265	50.768	.48861	20.501	.47280	.47820	.50167
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49761	.49842	.49684	.49879	.50495
SDev	.00073	.00033	.00306	.00229	.00392
%RSD	.14688	.06623	.61663	.45947	.77695
#1	.49813	.49819	.49467	.50041	.50772
#2	.49710	.49866	.49900	.49717	.50217
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 17:26:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00069	.00229	.00178	-.00092	-.00021	.00121	-.00032
SDev	.00315	.00028	.00214	.00237	.00130	.00340	.00011
%RSD	458.22	12.177	120.30	258.77	610.42	282.23	32.390
#1	.00292	.00248	.00330	.00076	.00071	.00361	-.00025
#2	-.00154	.00209	.00027	-.00260	-.00113	-.00120	-.00040
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00011	.04606	-.00015	-.00024	.00042	.00052	.04187
SDev	.00002	.00310	.00021	.00043	.00057	.00034	.00324
%RSD	16.307	6.7203	137.09	182.05	135.49	64.966	7.7331
#1	.00012	.04825	-.00000	.00007	.00083	.00076	.04416
#2	.00010	.04387	-.00030	-.00054	.00002	.00028	.03958
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.29590	.00161	.00078	.06256	.00071	-.00237	.00007
SDev	.04609	.00349	.00015	.00110	.00032	.00153	.00036
%RSD	15.575	217.25	19.429	1.7619	45.729	64.708	495.36
#1	.32849	.00407	.00088	.06333	.00094	-.00129	.00033
#2	.26331	-.00086	.00067	.06178	.00048	-.00346	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00097	.00127	.00175	-.00002	-.00254
SDev	.00018	.00185	.00124	.00230	.00118
%RSD	18.846	144.75	70.418	12432.	46.590
#1	.00110	.00258	.00263	.00161	-.00337
#2	.00084	-.00003	.00088	-.00164	-.00170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-17 2X Operator: SW
Run Time: 07/12/04 17:29:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04474	.05369	-.00606	.00540	.00014	42.792	.21596
SDev	.00218	.00053	.00471	.00429	.00076	.305	.00119
%RSD	4.8642	.99630	77.631	79.591	528.38	.71295	.55276
#1	.04320	.05407	-.00273	.00236	-.00039	43.008	.21680
#2	.04628	.05331	-.00939	.00843	.00068	42.576	.21512
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00423	4.0041	.00048	.02971	.16040	.05389	100.23
SDev	.00002	.0070	.00028	.00034	.00009	.00018	.09
%RSD	.41670	.17604	58.584	1.1593	.05818	.33494	.09365
#1	.00422	3.9992	.00067	.02947	.16046	.05376	100.17
#2	.00425	4.0091	.00028	.02995	.16033	.05402	100.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.6224	26.620	3.5022	1.4686	.12857	.00442	.16248
SDev	.0405	.041	.0007	.0147	.00054	.00772	.00036
%RSD	.72067	.15405	.01933	1.0020	.41870	174.76	.22228
#1	5.6511	26.591	3.5017	1.4790	.12819	-.00104	.16223
#2	5.5938	26.649	3.5027	1.4582	.12895	.00987	.16274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.61678	.01431	.05071	.00158	-.00376
SDev	.00512	.00169	.00037	.00130	.00477
%RSD	.83006	11.840	.72537	82.093	127.03
#1	.61316	.01550	.05045	.00066	-.00713
#2	.62040	.01311	.05097	.00250	-.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-18 2X Operator: SW
Run Time: 07/12/04 17:32:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.21270	.23061	-.06020	.00831	-.00107	24.610	.28265
SDev	.00303	.00002	.01095	.00150	.00017	.072	.00040
%RSD	1.4260	.00777	18.185	18.034	15.634	.29370	.14088
#1	.21055	.23063	-.05246	.00937	-.00119	24.661	.28293
#2	.21484	.23060	-.06794	.00725	-.00095	24.559	.28237
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00562	1.7064	.00016	.02690	.13001	.02433	81.527
SDev	.00000	.0003	.00003	.00039	.00014	.00011	.059
%RSD	.00170	.01502	20.496	1.4428	.10765	.46377	.07255
#1	.00562	1.7062	.00014	.02717	.12991	.02441	81.485
#2	.00562	1.7066	.00019	.02662	.13011	.02425	81.569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1211	10.203	6.8358	1.2101	.02403	-.00445	.05204
SDev	.0035	.002	.0044	.0077	.00005	.00212	.00018
%RSD	.06838	.01600	.06390	.63645	.22173	47.709	.34699
#1	5.1236	10.202	6.8327	1.2155	.02399	-.00595	.05191
#2	5.1186	10.204	6.8389	1.2047	.02406	-.00295	.05216
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.76902	.02755	.22465	L-.01450	.00065
SDev	.00311	.00316	.00100	.00465	.00229
%RSD	.40453	11.485	.44427	32.036	352.85
#1	.76682	.02531	.22394	L-.01122	.00227
#2	.77122	.02978	.22535	L-.01779	-.00097
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406187-7A Operator: SW
Run Time: 07/12/04 17:34:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00091	-.00239	.01032	-.00875	1.0227	1.0882	.86606
SDev	.00167	.00125	.00175	.00058	.0040	.0093	.00199
%RSD	182.82	52.396	16.956	6.6527	.39357	.85790	.22992
#1	-.00209	-.00328	.00909	-.00916	1.0199	1.0816	.86466
#2	.00027	-.00150	.01156	-.00834	1.0256	1.0949	.86747
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00010	34.763	-.00052	.00089	-.00026	.00030	.16939
SDev	.00000	.073	.00012	.00004	.00033	.00002	.00597
%RSD	.00000	.20900	23.735	4.7682	127.02	7.5818	3.5238
#1	.00010	34.712	-.00043	.00092	-.00049	.00031	.17361
#2	.00010	34.814	-.00060	.00086	-.00003	.00028	.16517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	39.212	19.889	.08328	C.00000	.00034	.00022	-.00018
SDev	.359	.037	.00025	.00000	.00002	.00051	.00000
%RSD	.91483	.18538	.30271	.00000	5.2453	225.62	.00000
#1	38.958	19.863	.08310	C.00000	.00033	-.00013	-.00018
#2	39.466	19.915	.08346	C.00000	.00035	.00058	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00277	.00194	-.00190	-.00240	.00132
SDev	.00055	.00069	.00139	.00097	.00414
%RSD	19.730	35.549	73.271	40.473	313.28
#1	.00316	.00243	-.00288	-.00309	.00425
#2	.00238	.00145	-.00091	-.00171	-.00161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-1 Operator: SW
Run Time: 07/12/04 17:43:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00752	.00559	.01407	.00908	.00173	.02482	.00044
SDev	.00040	.00012	.00099	.00138	.00005	.00095	.00001
%RSD	5.3337	2.2048	7.0196	15.210	2.8293	3.8102	1.7555
#1	.00780	.00568	.01337	.01006	.00169	.02415	.00044
#2	.00724	.00550	.01477	.00810	.00176	.02549	.00045
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00043	.01240	.00020	.00077	.00214	.00267	.02742
SDev	.00000	.00008	.00007	.00010	.00003	.00011	.00243
%RSD	.00739	.62347	35.708	13.074	1.4558	3.9365	8.8596
#1	.00043	.01246	.00015	.00070	.00211	.00260	.02913
#2	.00043	.01235	.00024	.00084	.00216	.00275	.02570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25893	.00234	.00037	.22521	.00190	.01195	.00080
SDev	.00415	.00075	.00002	.00849	.00007	.00149	.00006
%RSD	1.6031	31.935	4.5605	3.7695	3.4455	12.466	7.5574
#1	.25599	.00182	.00038	.23121	.00195	.01089	.00084
#2	.26186	.00287	.00036	.21920	.00186	.01300	.00075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00578	.01040	.00623	.01074	.01184
SDev	.00006	.00028	.00022	.00059	.00045
%RSD	1.0514	2.7206	3.4623	5.5154	3.8372
#1	.00573	.01060	.00638	.01116	.01216
#2	.00582	.01020	.00608	.01032	.01152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-2 Operator: SW
Run Time: 07/12/04 17:46:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00624	.00617	.01228	.01053	.00116	.02780	.00039
SDev	.00066	.00076	.00096	.00033	.00033	.00137	.00005
%RSD	10.621	12.264	7.8023	3.1748	28.417	4.9185	11.858
#1	.00577	.00670	.01295	.01029	.00139	.02876	.00043
#2	.00671	.00563	.01160	.01077	.00092	.02683	.00036
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00042	.01158	.00008	.00067	.00180	.00242	.02194
SDev	.00000	.00015	.00009	.00010	.00015	.00031	.00642
%RSD	.03772	1.3334	107.24	15.061	8.3382	12.717	29.264
#1	.00042	.01169	.00014	.00060	.00191	.00264	.02648
#2	.00042	.01147	.00002	.00074	.00170	.00221	.01740
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.22468	.00001	.00030	.19957	.00138	.00976	.00046
SDev	.01333	.00298	.00002	.00417	.00007	.00286	.00030
%RSD	5.9334	20902.	6.9983	2.0916	5.2031	29.330	66.005
#1	.23410	.00212	.00031	.20252	.00143	.01178	.00067
#2	.21525	-.00209	.00029	.19662	.00132	.00774	.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00526	.01003	.00619	.01111	.01184
SDev	.00030	.00060	.00028	.00010	.00045
%RSD	5.7718	5.9910	4.5826	.86364	3.8010
#1	.00505	.01046	.00639	.01118	.01152
#2	.00548	.00961	.00599	.01104	.01215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/12/04 05:53:36 PM

Method: TRACE Sample Name: IDL-3 Operator: SW
Run Time: 07/12/04 17:51:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00882	.00528	.01380	.01132	.00153	.02851	.00041
SDev	.00117	.00093	.00216	.00111	.00002	.00109	.00002
%RSD	13.213	17.530	15.653	9.8031	1.3690	3.8052	5.6903
#1	.00800	.00594	.01533	.01053	.00152	.02927	.00039
#2	.00965	.00463	.01228	.01210	.00155	.02774	.00043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00043	.01164	.00020	.00069	.00205	.00246	.02419
SDev	.00000	.00008	.00001	.00004	.00002	.00002	.00215
%RSD	.00000	.66362	6.6809	6.2639	1.0122	.91840	8.8818
#1	.00043	.01158	.00020	.00072	.00203	.00247	.02267
#2	.00043	.01169	.00019	.00066	.00206	.00244	.02571
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25538	.00823	.00028	.18241	.00176	.01005	.00075
SDev	.00017	.00146	.00001	.00020	.00008	.00014	.00000
%RSD	.06781	17.744	4.5600	.11196	4.7675	1.3996	.00000
#1	.25550	.00720	.00027	.18256	.00181	.00995	.00075
#2	.25526	.00926	.00029	.18227	.00170	.01015	.00075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00535	.01169	.00646	.01214	.00904
SDev	.00006	.00050	.00023	.00002	.00260
%RSD	1.1358	4.2583	3.5515	.16783	28.724
#1	.00531	.01134	.00662	.01213	.00720
#2	.00539	.01204	.00630	.01216	.01087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-4 Operator: SW
Run Time: 07/12/04 17:53:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00641	.00596	.00883	.00998	.00123	.02697	.00041
SDev	.00181	.00117	.00159	.00528	.00047	.00037	.00000
%RSD	28.184	19.681	17.972	52.946	37.916	1.3628	.00000
#1	.00769	.00679	.00770	.00624	.00157	.02723	.00041
#2	.00513	.00513	.00995	.01371	.00090	.02671	.00041
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00042	.01136	.00010	.00066	.00206	.00242	.02628
SDev	.00000	.00031	.00001	.00000	.00004	.00014	.00242
%RSD	.03015	2.7169	12.126	.00000	2.0172	5.8931	9.1953
#1	.00042	.01158	.00010	.00066	.00208	.00253	.02457
#2	.00042	.01114	.00011	.00066	.00203	.00232	.02799
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25084	.00830	.00023	.17749	.00173	.01096	.00084
SDev	.00486	.00052	.00000	.00019	.00001	.00150	.00024
%RSD	1.9364	6.2785	1.7892	.10843	.69060	13.708	28.696
#1	.25428	.00867	.00024	.17763	.00172	.00990	.00067
#2	.24741	.00794	.00023	.17736	.00174	.01203	.00101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00556	.01288	.00611	.00959	.01333
SDev	.00012	.00012	.00138	.00405	.00196
%RSD	2.1840	.96374	22.651	42.233	14.670
#1	.00548	.01279	.00709	.00673	.01194
#2	.00565	.01297	.00513	.01246	.01471
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-5 Operator: SW
Run Time: 07/12/04 17:58:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00685	.00629	.01243	.01103	.00155	.02881	.00044
SDev	.00052	.00062	.00325	.00097	.00022	.00064	.00002
%RSD	7.6624	9.8154	26.122	8.8320	13.967	2.2291	3.5110
#1	.00648	.00585	.01473	.01034	.00170	.02927	.00045
#2	.00722	.00672	.01013	.01172	.00140	.02836	.00043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00043	.01147	.00020	.00119	.00232	.00246	.02738
SDev	.00000	.00031	.00007	.00026	.00016	.00014	.00078
%RSD	.05174	2.6916	35.630	21.810	6.9384	5.8165	2.8647
#1	.00043	.01169	.00015	.00137	.00243	.00256	.02794
#2	.00043	.01125	.00024	.00100	.00220	.00236	.02683
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.26819	.00896	.00027	.17180	.00192	.01384	.00088
SDev	.01137	.00271	.00001	.00028	.00011	.00174	.00042
%RSD	4.2411	30.206	4.6602	.16131	5.8916	12.597	47.794
#1	.27624	.01088	.00028	.17160	.00184	.01261	.00118
#2	.26015	.00705	.00026	.17199	.00200	.01507	.00058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00565	.01002	.00647	.01150	.00926
SDev	.00024	.00003	.00059	.00043	.00107
%RSD	4.3015	.34568	9.0572	3.7528	11.524
#1	.00582	.01004	.00606	.01180	.00851
#2	.00548	.00999	.00689	.01119	.01002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-6 Operator: SW
Run Time: 07/12/04 18:00:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00586	.00651	.01316	.01015	.00137	.02739	.00041
SDev	.00056	.00102	.00056	.00074	.00025	.00050	.00002
%RSD	9.6279	15.654	4.2531	7.2988	18.386	1.8367	4.7739
#1	.00546	.00579	.01356	.00963	.00155	.02774	.00042
#2	.00626	.00723	.01277	.01068	.00119	.02703	.00039
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00043	.01114	.00016	.00083	.00200	.00243	.02437
SDev	.00001	.00031	.00006	.00001	.00028	.00011	.00349
%RSD	1.4134	2.7691	38.189	1.7314	14.249	4.3328	14.322
#1	.00042	.01136	.00012	.00084	.00220	.00250	.02191
#2	.00043	.01093	.00020	.00082	.00180	.00236	.02684
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25391	.01022	.00021	.17041	.00166	.01015	.00063
SDev	.00468	.00218	.00001	.00051	.00026	.00050	.00018
%RSD	1.8426	21.350	3.9262	.29709	15.810	4.8908	28.836
#1	.25060	.01176	.00022	.17077	.00185	.00980	.00075
#2	.25721	.00867	.00021	.17005	.00148	.01050	.00050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00543	.01248	.00629	.01115	.01098
SDev	.00018	.00160	.00087	.00031	.00197
%RSD	3.3536	12.780	13.784	2.7595	17.922
#1	.00556	.01361	.00568	.01094	.01237
#2	.00531	.01135	.00690	.01137	.00959
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-7 Operator: SW
Run Time: 07/12/04 18:03:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00659	.00542	.01017	.01017	.00134	.02442	.00037
SDev	.00008	.00073	.00117	.00259	.00011	.00268	.00001
%RSD	1.2469	13.382	11.468	25.456	7.8019	10.987	3.1169
#1	.00665	.00594	.00935	.00834	.00142	.02631	.00038
#2	.00654	.00491	.01100	.01200	.00127	.02252	.00037
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00043	.01125	.00027	.00084	.00196	.00230	.02059
SDev	.00000	.00000	.00014	.00032	.00018	.00001	.00078
%RSD	.03698	.00000	50.680	37.614	8.9899	.32741	3.7672
#1	.00043	.01125	.00037	.00106	.00208	.00230	.02114
#2	.00043	.01125	.00018	.00062	.00184	.00229	.02004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.24913	.00481	.00022	.16813	.00145	.01064	.00037
SDev	.00243	.00274	.00000	.00076	.00007	.00189	.00030
%RSD	.97559	56.972	1.8846	.45197	4.9671	17.765	81.156
#1	.25084	.00675	.00023	.16867	.00150	.01198	.00058
#2	.24741	.00287	.00022	.16759	.00140	.00930	.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00565	.01099	.00581	.01017	.01258
SDev	.00024	.00085	.00051	.00212	.00211
%RSD	4.3015	7.7153	8.7987	20.798	16.768
#1	.00548	.01039	.00618	.00868	.01109
#2	.00582	.01159	.00545	.01167	.01407
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 18:06:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49307	.50258	.48975	.49848	.50497	50.335	.47516
SDev	.00406	.00133	.00026	.00087	.00058	.052	.00016
%RSD	.82370	.26462	.05238	.17533	.11414	.10277	.03458
#1	.49020	.50164	.48993	.49787	.50457	50.372	.47527
#2	.49595	.50352	.48957	.49910	.50538	50.298	.47504
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50929	51.524	.48736	.48972	.49515	.50353	20.978
SDev	.00052	.020	.00042	.00060	.00087	.00009	.006
%RSD	.10232	.03801	.08726	.12332	.17599	.01790	.02847
#1	.50893	51.510	.48766	.49014	.49453	.50359	20.982
#2	.50966	51.538	.48706	.48929	.49577	.50346	20.974
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.496	51.271	.49235	20.873	.47782	.48690	.50589
SDev	.030	.010	.00015	.060	.00110	.00531	.00054
%RSD	.14630	.01974	.03084	.28884	.22923	1.0902	.10712
#1	20.517	51.278	.49224	20.916	.47860	.48315	.50550
#2	20.475	51.264	.49245	20.831	.47705	.49066	.50627
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50175	.50552	.49941	.49558	.51421
SDev	.00036	.00108	.00224	.00050	.00746
%RSD	.07284	.21356	.44843	.10039	1.4511
#1	.50149	.50628	.49783	.49522	.50893
#2	.50201	.50475	.50100	.49593	.51948
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 18:08:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00222	.00007	.00573	-.00171	.00032	.03748	.00001
SDev	.00057	.00056	.00063	.00068	.00122	.00193	.00014
%RSD	25.550	795.82	10.978	39.738	379.11	5.1361	1632.3
#1	.00182	.00046	.00618	-.00123	-.00054	.03612	-.00009
#2	.00262	-.00032	.00529	-.00219	.00118	.03884	.00011
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00012	.02813	-.00012	-.00030	.00034	.00025	.02129
SDev	.00000	.00094	.00013	.00078	.00030	.00068	.01115
%RSD	.31624	3.3530	109.41	260.70	87.755	271.05	52.389
#1	.00012	.02746	-.00003	-.00085	.00013	-.00023	.01340
#2	.00012	.02879	-.00021	.00025	.00055	.00073	.02917
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.14668	.01363	.00037	.07867	-.00061	-.00196	-.00044
SDev	.05331	.00868	.00008	.00068	.00050	.00008	.00072
%RSD	36.345	63.678	20.522	.85978	82.245	3.8823	164.97
#1	.10898	.00749	.00031	.07819	-.00097	-.00190	-.00095
#2	.18438	.01977	.00042	.07914	-.00026	-.00201	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00135	.00299	.00078	.00077	-.00282
SDev	.00000	.00203	.00018	.00066	.00079
%RSD	.00000	68.000	23.151	85.848	27.796
#1	.00135	.00155	.00091	.00124	-.00227
#2	.00135	.00442	.00066	.00030	-.00338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 18:11:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00899	.00555	.01252	.01293	.02092	.45596	.38583
SDev	.00200	.00051	.00391	.00010	.00002	.00379	.00136
%RSD	22.259	9.1861	31.245	.78041	.10029	.83059	.35248
#1	.00757	.00591	.00976	.01286	.02090	.45864	.38679
#2	.01040	.00519	.01529	.01300	.02093	.45328	.38487
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01043	9.7797	.01005	.10152	.02005	.05114	.18491
SDev	.00000	.0192	.00020	.00026	.00047	.00023	.00088
%RSD	.00184	.19646	1.9969	.25525	2.3265	.44113	.47541
#1	.01043	9.7933	.01019	.10171	.02038	.05130	.18429
#2	.01043	9.7661	.00991	.10134	.01972	.05098	.18553
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.9391	10.022	.03043	9.0832	.08028	.12772	.10324
SDev	.0457	.036	.00014	.0606	.00066	.00283	.00036
%RSD	.51111	.35842	.45542	.66750	.82671	2.2190	.34982
#1	8.9714	10.048	.03053	9.1261	.08074	.12972	.10349
#2	8.9068	9.9968	.03033	9.0403	.07981	.12571	.10298
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04466	.00870	.00670	.01279	.02044
SDev	.00036	.00041	.00033	.00137	.00222
%RSD	.81637	4.6714	4.8682	10.710	10.842
#1	.04491	.00842	.00647	.01183	.02200
#2	.04440	.00899	.00693	.01376	.01887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 18:16:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.02559	.01123	-.00730	.00364	-.00006	484.34	.00082
SDev	.00051	.00107	.00017	.00260	.00013	2.05	.00000
%RSD	2.0048	9.5402	2.3985	71.266	194.40	.42259	.00000
#1	-.02523	.01199	-.00717	.00181	.00002	485.79	.00082
#2	-.02595	.01047	-.00742	.00548	-.00015	482.89	.00082
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00115	502.89	.00076	.00342	-.00037	-.00106	203.76
SDev	.00000	.34	.00009	.00026	.00005	.00009	.18
%RSD	.02492	.06765	12.235	7.5597	12.710	8.5262	.08663
#1	.00115	503.13	.00069	.00360	-.00033	-.00099	203.88
#2	.00115	502.65	.00083	.00324	-.00040	-.00112	203.63
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.12565	507.79	.00744	.23145	.00283	-.00402	.00454
SDev	.00781	1.12	.00005	.00203	.00048	.00037	.00054
%RSD	6.2130	.21982	.67721	.87722	17.100	9.1190	11.927
#1	.12013	508.58	.00748	.23289	.00249	-.00428	.00416
#2	.13117	507.00	.00740	.23002	.00317	-.00376	.00492
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01592	-.00214	-.00103	.00000	-.00779
SDev	.00018	.00180	.00089	.00167	.00387
%RSD	1.1451	84.225	85.848	95427.	49.743
#1	.01579	-.00087	-.00041	-.00118	-.01053
#2	.01604	-.00342	-.00166	.00119	-.00505
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 18:19:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01963	.06133	.03841	.05372	.20923	480.78	.45701
SDev	.00121	.00353	.00072	.00413	.00011	1.26	.00053
%RSD	6.1801	5.7622	1.8841	7.6778	.05047	.26240	.11552
#1	.01877	.05883	.03892	.05081	.20915	479.89	.45664
#2	.02048	.06383	.03789	.05664	.20930	481.67	.45739
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46695	499.54	.88101	.45393	.45314	.52173	202.76
SDev	.00014	.55	.00115	.00151	.00000	.00144	.16
%RSD	.03077	.11013	.13057	.33260	.00000	.27652	.07786
#1	.46705	499.92	.88183	.45287	.45314	.52071	202.87
#2	.46685	499.15	.88020	.45500	.45314	.52275	202.65
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02250	504.26	.46763	.16140	.86722	.57105	.48060
SDev	.00530	.22	.00004	.00054	.00025	.00110	.00018
%RSD	23.549	.04339	.00811	.33697	.02921	.19202	.03758
#1	.02625	504.42	.46760	.16102	.86704	.57028	.48072
#2	.01876	504.11	.46766	.16179	.86740	.57183	.48047
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.90676	.09927	.04744	.04862	.09641
SDev	.00275	.00017	.00276	.00251	.00049
%RSD	.30295	.16743	5.8197	5.1628	.50389
#1	.90870	.09939	.04549	.04685	.09675
#2	.90481	.09916	.04940	.05040	.09606
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 18:21:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49124	.50183	.49405	.49429	.50325	49.759	.47281
SDev	.00079	.00027	.01180	.00067	.00006	.047	.00053
%RSD	.16072	.05304	2.3887	.13482	.01273	.09397	.11168
#1	.49068	.50202	.48570	.49382	.50321	49.726	.47318
#2	.49179	.50164	.50239	.49476	.50330	49.792	.47244
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50405	51.127	.48455	.48529	.48985	.50074	20.738
SDev	.00072	.033	.00132	.00203	.00025	.00061	.053
%RSD	.14261	.06491	.27221	.41778	.05083	.12155	.25519
#1	.50455	51.150	.48548	.48673	.48967	.50031	20.776
#2	.50354	51.103	.48361	.48386	.49002	.50117	20.701
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.454	50.749	.48853	20.892	.47378	.47849	.50231
SDev	.009	.025	.00027	.034	.00009	.00164	.00054
%RSD	.04312	.04933	.05439	.16340	.01950	.34364	.10789
#1	20.448	50.766	.48871	20.868	.47385	.47966	.50269
#2	20.461	50.731	.48834	20.916	.47372	.47733	.50193
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49761	.50438	.49830	.49421	.51801
SDev	.00036	.00279	.00009	.00437	.00037
%RSD	.07344	.55288	.01714	.88511	.07219
#1	.49736	.50635	.49824	.49112	.51774
#2	.49787	.50241	.49836	.49730	.51827
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 18:24:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00215	-.00021	-.00133	-.00067	.00069	.09494	.00012
SDev	.00250	.00070	.00485	.00098	.00061	.00983	.00003
%RSD	116.06	328.75	363.35	146.70	87.944	10.353	30.219
#1	.00392	.00028	.00209	.00002	.00112	.10189	.00014
#2	.00039	-.00070	-.00476	-.00136	.00026	.08799	.00009
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00012	.06533	-.00017	-.00021	.00070	.00014	.04593
SDev	.00000	.00695	.00004	.00004	.00040	.00025	.00738
%RSD	.07915	10.644	22.749	20.914	57.796	179.79	16.061
#1	.00012	.07025	-.00014	-.00018	.00099	.00031	.05115
#2	.00012	.06041	-.00019	-.00024	.00041	-.00004	.04071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08879	.06626	.00044	.07001	.00021	.00097	-.00005
SDev	.00115	.00810	.00008	.00026	.00052	.00597	.00018
%RSD	1.3003	12.229	17.195	.37790	244.64	615.22	329.64
#1	.08797	.07199	.00049	.07019	.00058	.00519	.00007
#2	.08961	.06053	.00039	.06982	-.00016	-.00325	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00161	.00101	.00058	-.00089	-.00337
SDev	.00036	.00284	.00130	.00227	.00158
%RSD	22.620	281.99	225.32	255.02	46.858
#1	.00135	.00302	.00149	.00071	-.00226
#2	.00187	-.00100	-.00034	-.00249	-.00449
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-3MB Operator: SW
Run Time: 07/12/04 18:28:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00397	.00014	.00155	.00402	.00065	.05486	-.00001
SDev	.00028	.00139	.00482	.00153	.00021	.00382	.00002
%RSD	7.1663	998.26	311.50	38.055	32.410	6.9690	294.52
#1	.00417	.00112	.00496	.00510	.00050	.05756	.00001
#2	.00377	-.00084	-.00186	.00294	.00080	.05216	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00005	.03749	-.00036	-.00002	.00049	-.00017	.03378
SDev	.00000	.00142	.00020	.00030	.00011	.00014	.00327
%RSD	.21164	3.7950	56.350	1293.4	22.187	82.005	9.6756
#1	.00005	.03850	-.00050	-.00024	.00041	-.00026	.03609
#2	.00005	.03648	-.00021	.00019	.00057	-.00007	.03147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15527	.01278	-.00001	.07585	-.00051	-.00072	-.00005
SDev	.01419	.00310	.00001	.00023	.00082	.00211	.00018
%RSD	9.1427	24.275	85.535	.29779	161.69	291.78	329.64
#1	.14523	.01497	-.00002	.07569	.00007	-.00222	.00007
#2	.16530	.01058	-.00001	.07601	-.00109	.00077	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00535	.00012	.00141	.00319	-.00126
SDev	.00018	.00133	.00102	.00263	.00378
%RSD	3.4075	1081.1	72.241	82.162	299.00
#1	.00548	-.00082	.00214	H.00505	-.00393
#2	.00522	.00106	.00069	.00134	.00141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-3LCS Operator: SW
Run Time: 07/12/04 18:31:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.60294	.61366	.52662	.53453	.02016	5.2663	.47528
SDev	.00002	.00366	.00796	.00612	.00025	.0375	.00283
%RSD	.00283	.59690	1.5112	1.1449	1.2486	.71218	.59503
#1	.60295	.61107	.52099	.53885	.01998	5.2397	.47328
#2	.60293	.61625	.53225	.53020	.02034	5.2928	.47728
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51247	.03598	.60634	.49856	.50074	.50612	4.9090
SDev	.00128	.00119	.00145	.00078	.00121	.00381	.0255
%RSD	.24891	3.2924	.23987	.15593	.24239	.75272	.51923
#1	.51157	.03682	.60531	.49801	.49988	.50343	4.8910
#2	.51338	.03514	.60737	.49911	.50160	.50882	4.9271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.10728	-.00325	.50201	.09416	.50140	.01875	.50129
SDev	.02153	.00203	.00175	.00067	.00147	.00187	.00199
%RSD	20.072	62.414	.34785	.71187	.29366	9.9995	.39637
#1	.12250	-.00182	.50078	.09464	.50035	.01742	.49988
#2	.09205	-.00469	.50324	.09369	.50244	.02008	.50269
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51545	.53556	.61009	.53189	-.00372
SDev	.00146	.00640	.00244	.00143	.00198
%RSD	.28363	1.1954	.39953	.26918	53.341
#1	.51648	.53103	.60837	.53290	-.00512
#2	.51441	.54009	.61181	.53088	-.00231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21 Operator: SW
Run Time: 07/12/04 18:33:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.32546	.36151	-.08578	.03808	-.00088	80.840	.24911
SDev	.00073	.00037	.00015	.00264	.00010	.368	.00040
%RSD	.22293	.10160	.18047	6.9342	11.911	.45481	.15978
#1	.32495	.36177	-.08589	.03621	-.00081	80.580	.24883
#2	.32598	.36125	-.08567	.03995	-.00095	81.100	.24939
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00490	8.8206	-.00416	.04892	.55294	.29992	H400.19
SDev	.00011	.0623	.00007	.00026	.00408	.00007	2.96
%RSD	2.1425	.70599	1.5740	.52838	.73738	.02256	.73919
#1	.00482	8.7766	-.00421	.04911	.55006	.29996	H398.10
#2	.00497	8.8646	-.00411	.04874	.55582	.29987	H402.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.821	62.131	3.6444	2.5573	.09274	.00588	.36450
SDev	.054	.327	.0211	.0023	.00014	.00420	.00397
%RSD	.34327	.52710	.57897	.08850	.15428	71.374	1.0901
#1	15.783	61.899	3.6294	2.5557	.09264	.00291	.36169
#2	15.860	62.362	3.6593	2.5589	.09285	.00885	.36731
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.71882	.03011	.34951	-.00317	.01890
SDev	.00860	.00032	.00000	.00181	.00891
%RSD	1.1962	1.0588	.00097	57.262	47.151
#1	.71274	.02988	.34951	-.00445	.01260
#2	.72490	.03033	.34950	-.00188	.02520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21D Operator: SW
Run Time: 07/12/04 18:36:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.26042	.29529	-.06720	.03149	-.00023	97.060	.28101
SDev	.00193	.00338	.00132	.00029	.00015	.049	.00041
%RSD	.74218	1.1461	1.9626	.92345	64.429	.05009	.14587
#1	.26178	.29768	-.06813	.03169	-.00012	97.025	.28072
#2	.25905	.29289	-.06626	.03128	-.00033	97.094	.28130
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00468	11.051	-.00356	.05674	.58682	.27451	H381.32
SDev	.00002	.034	.00018	.00009	.00101	.00023	1.42
%RSD	.38077	.30767	5.1017	.15170	.17239	.08216	.37239
#1	.00467	11.027	-.00343	.05680	.58611	.27467	H380.32
#2	.00470	11.075	-.00369	.05668	.58754	.27435	H382.32
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	28.165	77.730	3.4456	2.3172	.12365	.00994	.40818
SDev	.020	.206	.0085	.0029	.00048	.00298	.00000
%RSD	.06949	.26553	.24804	.12429	.39140	29.978	.00000
#1	28.179	77.585	3.4395	2.3193	.12331	.01204	.40818
#2	28.151	77.876	3.4516	2.3152	.12399	.00783	.40818
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.65363	.03248	.28368	-.00137	.02222
SDev	.00018	.00124	.00290	.00025	.00550
%RSD	.02798	3.8154	1.0227	17.842	24.761
#1	.65376	.03335	.28573	-.00155	.01833
#2	.65350	.03160	.28162	-.00120	.02611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21L 5X Operator: SW
Run Time: 07/12/04 18:38:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06747	.07709	-.01872	.00457	-.00001	16.338	.05114
SDev	.00179	.00052	.00052	.00135	.00013	.059	.00034
%RSD	2.6488	.67670	2.7546	29.507	2325.0	.36344	.66251
#1	.06621	.07673	-.01836	.00362	.00008	16.296	.05090
#2	.06873	.07746	-.01909	.00552	-.00009	16.380	.05138
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00101	1.7900	-.00022	.00972	.11483	.05855	69.706
SDev	.00000	.0000	.00013	.00017	.00006	.00014	.091
%RSD	.01886	.00000	58.611	1.7731	.05417	.23122	.13011
#1	.00101	1.7900	-.00032	.00984	.11487	.05864	69.642
#2	.00101	1.7900	-.00013	.00960	.11478	.05845	69.770
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.2136	12.815	.75528	.52420	.01897	-.00068	.07464
SDev	.0053	.015	.00188	.00079	.00047	.00184	.00036
%RSD	.16417	.11842	.24854	.15019	2.4554	269.75	.48386
#1	3.2173	12.804	.75395	.52364	.01864	.00062	.07489
#2	3.2099	12.825	.75660	.52475	.01930	-.00198	.07438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.15025	.00778	.07389	-.00319	-.00215
SDev	.00018	.00157	.00094	.00073	.00115
%RSD	.12139	20.143	1.2764	22.852	53.320
#1	.15012	.00889	.07322	-.00370	-.00134
#2	.15037	.00667	.07456	-.00267	-.00296
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21MS Operator: SW
Run Time: 07/12/04 18:41:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.87141	.91330	.42558	.55749	.01871	81.714	.69484
SDev	.00610	.00222	.00402	.00081	.00071	.359	.00178
%RSD	.70008	.24345	.94356	.14537	3.8125	.43896	.25560
#1	.87573	.91172	.42842	.55807	.01921	81.460	.69359
#2	.86710	.91487	.42274	.55692	.01820	81.968	.69610
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50636	8.9868	.56781	.52749	.97968	.78977	H373.58
SDev	.00327	.0716	.00252	.00362	.00505	.00122	2.66
%RSD	.64578	.79696	.44466	.68703	.51505	.15405	.71279
#1	.50405	8.9362	.56603	.52493	.97612	.78891	H371.70
#2	.50867	9.0374	.56960	.53005	.98325	.79063	H375.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	14.348	58.656	3.9503	2.4539	.55787	.01257	.83750
SDev	.061	.340	.0243	.0008	.00453	.00761	.00416
%RSD	.42329	.57887	.61443	.03252	.81148	60.580	.49619
#1	14.305	58.416	3.9331	2.4533	.55467	.00718	.83456
#2	14.391	58.896	3.9674	2.4545	.56107	.01795	.84044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1281	.55727	.89935	.51357	.01810
SDev	.0083	.00025	.00055	.00188	.00210
%RSD	.73143	.04471	.06099	.36563	11.623
#1	1.1222	.55710	.89974	.51489	.01661
#2	1.1339	.55745	.89896	.51224	.01959
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21MSD Operator: SW
Run Time: 07/12/04 18:43:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.90298	.94542	.41796	.55182	.01880	87.835	.71590
SDev	.00517	.00204	.00732	.00094	.00021	.498	.00412
%RSD	.57274	.21538	1.7502	.16963	1.1160	.56657	.57515
#1	.89932	.94686	.42313	.55116	.01894	87.483	.71299
#2	.90664	.94398	.41278	.55249	.01865	88.187	.71881
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50566	9.0516	.56429	.53058	1.0424	.81448	H411.29
SDev	.00226	.0349	.00218	.00255	.0076	.00484	1.95
%RSD	.44746	.38540	.38601	.47994	.73213	.59472	.47520
#1	.50406	9.0269	.56275	.52878	1.0370	.81105	H409.91
#2	.50726	9.0762	.56583	.53238	1.0478	.81790	H412.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.868	62.843	4.1888	2.7145	.56772	.01019	.85935
SDev	.088	.200	.0189	.0103	.00198	.00105	.00506
%RSD	.55608	.31834	.45192	.37956	.34830	10.281	.58871
#1	15.806	62.702	4.1754	2.7072	.56633	.01093	.85577
#2	15.931	62.985	4.2022	2.7218	.56912	.00945	.86293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1962	.55772	.93129	.50725	.01891
SDev	.0040	.00482	.00036	.00181	.00178
%RSD	.33736	.86395	.03908	.35714	9.4092
#1	1.1933	.55432	.93103	.50853	.01765
#2	1.1990	.56113	.93155	.50597	.02016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-22 Operator: SW
Run Time: 07/12/04 18:46:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13462	.14617	-.01608	.00850	.00109	19.126	.12802
SDev	.00127	.00117	.00504	.00612	.00055	.065	.00017
%RSD	.94589	.80046	31.322	71.988	49.936	.33846	.13701
#1	.13552	.14534	-.01964	.01283	.00148	19.081	.12789
#2	.13372	.14699	-.01252	.00417	.00071	19.172	.12814
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00417	5.4438	.00137	.01166	.31040	.07166	82.712
SDev	.00002	.0053	.00018	.00082	.00030	.00018	.171
%RSD	.42784	.09661	12.930	7.0206	.09522	.25186	.20684
#1	.00418	5.4400	.00150	.01224	.31061	.07179	82.591
#2	.00416	5.4475	.00125	.01109	.31019	.07153	82.833
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.4840	7.4883	1.9052	1.7737	.02548	.00331	.04808
SDev	.0077	.0027	.0027	.0069	.00045	.00141	.00000
%RSD	.21967	.03653	.13997	.39045	1.7549	42.665	.00000
#1	3.4786	7.4864	1.9033	1.7688	.02516	.00431	.04808
#2	3.4894	7.4903	1.9071	1.7786	.02579	.00231	.04808
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.9453	.02007	.14232	.00031	-.00299
SDev	.0054	.00155	.00036	.00240	.00032
%RSD	.18236	7.7316	.25040	765.31	10.802
#1	2.9415	.01897	.14207	.00201	-.00277
#2	2.9491	.02117	.14257	-.00139	-.00322
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-23 Operator: SW
Run Time: 07/12/04 18:48:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.45715	.49935	-.14699	.02510	-.00046	58.144	.34359
SDev	.00268	.00324	.00462	.00150	.00023	.184	.00076
%RSD	.58529	.64782	3.1435	5.9575	49.597	.31562	.22170
#1	.45905	.49707	-.14372	.02404	-.00063	58.014	.34305
#2	.45526	.50164	-.15025	.02616	-.00030	58.274	.34413
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00631	7.0706	-.00111	.03963	.61477	.25678	H256.49
SDev	.00002	.0029	.00031	.00017	.00075	.00050	.02
%RSD	.28253	.04117	28.341	.43576	.12152	.19323	.00665
#1	.00632	7.0727	-.00089	.03951	.61529	.25643	H256.50
#2	.00630	7.0686	-.00133	.03975	.61424	.25713	H256.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.172	37.481	2.8802	2.8648	.07729	.00316	.23782
SDev	.049	.042	.0013	.0179	.00040	.00049	.00000
%RSD	.43824	.11183	.04537	.62363	.51055	15.355	.00000
#1	11.137	37.452	2.8793	2.8522	.07701	.00282	.23782
#2	11.207	37.511	2.8811	2.8775	.07757	.00350	.23782
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.97592	.02724	.48530	L-.03221	.00952
SDev	.00128	.00054	.00127	.00054	.00136
%RSD	.13141	1.9661	.26101	1.6809	14.321
#1	.97683	.02686	.48441	L-.03182	.00856
#2	.97501	.02762	.48620	L-.03259	.01049
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-24 Operator: SW
Run Time: 07/12/04 18:51:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.22352	.23289	-.01578	.00439	.00068	28.577	.20854
SDev	.00153	.00378	.00145	.00218	.00046	.133	.00077
%RSD	.68561	1.6219	9.1768	49.734	68.178	.46441	.37036
#1	.22460	.23022	-.01680	.00285	.00100	28.483	.20799
#2	.22243	.23556	-.01475	.00594	.00035	28.671	.20909
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00686	7.6991	.00178	.02172	.24378	.07890	92.658
SDev	.00000	.0053	.00029	.00000	.00006	.00032	.164
%RSD	.00837	.06889	16.500	.00125	.02552	.40030	.17706
#1	.00686	7.6954	.00157	.02172	.24383	.07868	92.542
#2	.00686	7.7029	.00199	.02172	.24374	.07913	92.774
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.2156	12.027	4.0731	1.7518	.03175	.00320	.07770
SDev	.0036	.009	.0054	.0059	.00048	.00835	.00108
%RSD	.08452	.07895	.13237	.33455	1.5244	261.48	1.3943
#1	4.2131	12.033	4.0692	1.7476	.03141	-.00271	.07693
#2	4.2182	12.020	4.0769	1.7559	.03209	.00910	.07847
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	4.0686	.02993	.22977	-.00232	-.00478
SDev	.0019	.00017	.00201	.00194	.00086
%RSD	.04580	.56095	.87442	83.487	17.937
#1	4.0699	.02981	.22835	-.00369	-.00539
#2	4.0673	.03004	.23119	-.00095	-.00417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 18:53:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49416	.50268	.49006	.49864	.50528	50.188	.47671
SDev	.00155	.00316	.00291	.00312	.00070	.153	.00039
%RSD	.31384	.62806	.59304	.62496	.13943	.30561	.08123
#1	.49307	.50491	.49211	.49644	.50478	50.080	.47644
#2	.49526	.50045	.48800	.50085	.50577	50.297	.47698
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50370	51.202	.48539	.48670	.49145	.50400	20.804
SDev	.00002	.041	.00016	.00022	.00000	.00090	.009
%RSD	.00362	.07978	.03207	.04429	.00000	.17891	.04348
#1	.50369	51.173	.48550	.48685	.49145	.50337	20.797
#2	.50371	51.231	.48528	.48654	.49145	.50464	20.810
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.643	50.896	.49037	21.163	.47868	.48434	.50333
SDev	.096	.036	.00054	.143	.00056	.00618	.00054
%RSD	.46637	.07011	.11095	.67707	.11613	1.2753	.10766
#1	20.575	50.871	.48999	21.062	.47829	.48871	.50371
#2	20.711	50.921	.49075	21.264	.47908	.47997	.50295
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50175	.50713	.49984	.49578	.51248
SDev	.00183	.00095	.00159	.00111	.00040
%RSD	.36419	.18767	.31797	.22405	.07747
#1	.50046	.50780	.50097	.49500	.51220
#2	.50304	.50645	.49872	.49657	.51276
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 18:56:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00178	-.00153	.00441	-.00149	.00072	.05847	.00013
SDev	.00004	.00421	.00188	.00235	.00078	.00255	.00001
%RSD	2.3197	275.36	42.603	157.82	107.59	4.3672	8.8170
#1	.00175	-.00451	.00308	-.00314	.00127	.06027	.00014
#2	.00181	.00145	.00573	.00017	.00017	.05666	.00012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00013	.03448	-.00017	-.00027	.00045	.00007	.04593
SDev	.00002	.00142	.00020	.00022	.00002	.00002	.00245
%RSD	13.433	4.1201	116.68	80.687	3.4816	30.395	5.3319
#1	.00015	.03548	-.00031	-.00011	.00046	.00006	.04766
#2	.00012	.03347	-.00003	-.00042	.00044	.00009	.04419
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.12722	.03123	.00069	.06658	.00012	-.00144	-.00005
SDev	.00891	.00030	.00008	.00019	.00065	.00095	.00018
%RSD	7.0042	.97544	10.970	.28453	521.87	66.278	329.64
#1	.13352	.03145	.00074	.06671	.00058	-.00211	-.00018
#2	.12092	.03102	.00064	.06645	-.00033	-.00076	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00148	.00253	-.00043	.00048	-.00114
SDev	.00055	.00048	.00282	.00219	.00158
%RSD	36.880	19.073	659.02	460.06	138.25
#1	.00187	.00219	-.00242	-.00107	-.00003
#2	.00110	.00287	.00157	.00202	-.00226
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-25 Operator: SW
Run Time: 07/12/04 18:58:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09084	.10665	-.03598	.00871	-.00061	45.773	.14287
SDev	.00018	.00203	.00316	.00224	.00006	.216	.00036
%RSD	.19849	1.9069	8.7958	25.742	10.256	.47241	.25375
#1	.09071	.10521	-.03821	.01030	-.00057	45.925	.14312
#2	.09097	.10809	-.03374	.00713	-.00066	45.620	.14261
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00258	13.757	-.00051	.03392	.13526	.06147	85.038
SDev	.00000	.001	.00003	.00022	.00037	.00020	.067
%RSD	.00744	.00588	6.4246	.63578	.27594	.33035	.07881
#1	.00258	13.757	-.00048	.03407	.13552	.06161	85.085
#2	.00258	13.758	-.00053	.03377	.13500	.06132	84.991
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.1852	19.399	.98858	3.7194	.03273	.00051	.21994
SDev	.0097	.011	.00022	.0312	.00124	.00129	.00036
%RSD	.30603	.05829	.02186	.83832	3.7799	253.98	.16421
#1	3.1921	19.407	.98873	3.7415	.03360	-.00041	.22020
#2	3.1783	19.391	.98843	3.6974	.03185	.00142	.21969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.14599	.00765	.10138	-.00617	-.01655
SDev	.00073	.00344	.00142	.00044	.00673
%RSD	.49970	45.050	1.3972	7.1708	40.664
#1	.14547	.01008	.10038	-.00586	-.01179
#2	.14651	.00521	.10239	-.00648	L-.02131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-26 Operator: SW
Run Time: 07/12/04 19:01:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09037	.10150	-.03462	.01355	.00002	58.841	.21698
SDev	.00286	.00105	.00251	.00843	.00021	.083	.00007
%RSD	3.1619	1.0394	7.2383	62.199	864.93	.14100	.03237
#1	.08835	.10224	-.03285	.01951	-.00012	58.783	.21693
#2	.09239	.10075	-.03639	.00759	.00017	58.900	.21703
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00115	6.1083	-.00182	.05638	.32320	.09387	172.51
SDev	.00002	.0303	.00007	.00022	.00215	.00009	.78
%RSD	1.4900	.49643	3.7929	.38233	.66422	.09613	.45050
#1	.00113	6.0869	-.00187	.05623	.32168	.09380	171.96
#2	.00116	6.1297	-.00177	.05653	.32471	.09393	173.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.7105	36.593	1.5104	1.6628	.06949	.00730	.66006
SDev	.0162	.118	.0054	.0035	.00117	.00128	.00145
%RSD	.28345	.32254	.35941	.20882	1.6772	17.556	.21895
#1	5.6991	36.510	1.5065	1.6604	.06867	.00639	.65904
#2	5.7220	36.676	1.5142	1.6653	.07032	.00820	.66108
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.27551	.00338	.09779	-.00249	L-.02675
SDev	.00110	.00037	.00025	.00646	.00047
%RSD	.39746	10.931	.25346	259.49	1.7755
#1	.27474	.00364	.09762	.00208	L-.02641
#2	.27629	.00312	.09797	-.00705	L-.02709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-27 Operator: SW
Run Time: 07/12/04 19:03:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49298	.55011	-.19881	.03213	.00833	176.83	.34594
SDev	.00702	.00078	.00405	.00267	.00025	.63	.00109
%RSD	1.4246	.14242	2.0369	8.3025	3.0221	.35656	.31504
#1	.48801	.54956	-.19594	.03402	.00850	176.39	.34517
#2	.49794	.55066	-.20167	.03024	.00815	177.28	.34671
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00692	13.056	-.00333	.09566	.31894	.13427	H299.22
SDev	.00002	.043	.00042	.00052	.00073	.00007	.78
%RSD	.24801	.32758	12.534	.54040	.22924	.05040	.26144
#1	.00691	13.026	-.00304	.09602	.31842	.13432	H298.67
#2	.00693	13.086	-.00363	.09529	.31946	.13422	H299.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.2031	85.929	4.3081	2.7250	.08298	.00855	.56541
SDev	.0224	.121	.0129	.0054	.00070	.00616	.00126
%RSD	.27353	.14118	.29865	.19719	.84338	72.065	.22364
#1	8.1872	85.843	4.2990	2.7212	.08348	.01290	.56451
#2	8.2190	86.014	4.3172	2.7288	.08249	.00419	.56630
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.43612	.02363	.53108	L-.04477	L-.03394
SDev	.00183	.00512	.00286	.00313	.00308
%RSD	.41884	21.668	.53876	6.9864	9.0749
#1	.43483	.02725	.52906	L-.04256	L-.03612
#2	.43741	.02001	.53311	L-.04698	L-.03176
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-28 Operator: SW
Run Time: 07/12/04 19:06:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11595	.13852	-.06697	.02098	-.00009	63.558	.15009
SDev	.00428	.00027	.00149	.00381	.00038	.100	.00009
%RSD	3.6894	.19311	2.2257	18.154	399.94	.15703	.06234
#1	.11292	.13871	-.06592	.02367	-.00036	63.629	.15002
#2	.11897	.13833	-.06803	.01829	.00017	63.488	.15015
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00156	11.508	-.00332	.05666	.29290	.10613	H233.80
SDev	.00003	.060	.00017	.00013	.00118	.00016	1.04
%RSD	2.2467	.51938	5.1379	.22829	.40362	.14879	.44372
#1	.00154	11.466	-.00320	.05657	.29207	.10625	H233.07
#2	.00159	11.550	-.00344	.05675	.29374	.10602	H234.54
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.2702	46.692	2.3432	3.0931	.04220	.00107	.42146
SDev	.0047	.168	.0088	.0222	.00111	.00492	.00108
%RSD	.11110	.36008	.37523	.71709	2.6331	461.45	.25713
#1	4.2735	46.574	2.3370	3.1088	.04299	-.00241	.42070
#2	4.2668	46.811	2.3494	3.0775	.04142	.00455	.42223
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.26041	.00587	.13100	-.00831	-.01376
SDev	.00201	.00209	.00125	.00304	.00239
%RSD	.77085	35.596	.95117	36.542	17.378
#1	.25899	.00439	.13012	-.00616	-.01545
#2	.26183	.00735	.13188	L-.01046	-.01207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-29 Operator: SW
Run Time: 07/12/04 19:08:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.23767	.23178	-.02270	.00549	-.00198	15.237	.09098
SDev	.00303	.00213	.00470	.00171	.00048	.009	.00001
%RSD	1.2733	.91907	20.722	31.077	24.389	.05932	.01285
#1	.23981	.23028	-.01937	.00669	-.00164	15.230	.09099
#2	.23553	.23329	-.02602	.00428	-.00232	15.243	.09098
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00205	2.4054	-.00032	.00580	.25942	.03612	63.999
SDev	.00002	.0041	.00005	.00013	.00009	.00023	.070
%RSD	.86936	.17171	16.405	2.2296	.03598	.62473	.10884
#1	.00204	2.4025	-.00028	.00571	.25949	.03596	63.950
#2	.00206	2.4084	-.00036	.00589	.25936	.03628	64.049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.7510	1.7746	.25246	1.8812	.01845	.00460	.04527
SDev	.0008	.0065	.00048	.0030	.00038	.00414	.00000
%RSD	.01649	.36435	.19003	.15958	2.0397	90.006	.00000
#1	4.7515	1.7701	.25212	1.8834	.01871	.00753	.04527
#2	4.7504	1.7792	.25280	1.8791	.01818	.00167	.04527
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.13387	.01403	.23374	-.00390	-.00537
SDev	.00146	.00129	.00041	.00270	.00974
%RSD	1.0898	9.1770	.17674	69.369	181.26
#1	.13490	.01494	.23345	-.00199	-.01226
#2	.13284	.01312	.23404	-.00581	.00151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-30 Operator: SW
Run Time: 07/12/04 19:11:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1893	1.2135	-.18294	.01202	.00131	40.796	.49879
SDev	.0002	.0044	.00593	.00181	.00044	.066	.00080
%RSD	.01921	.35868	3.2427	15.088	33.507	.16138	.16002
#1	1.1894	1.2104	-.17875	.01330	.00100	40.749	.49823
#2	1.1891	1.2165	-.18714	.01073	.00163	40.842	.49936
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01066	2.8306	.00260	.01637	.27380	.10154	110.69
SDev	.00007	.0199	.00013	.00134	.00201	.00016	.70
%RSD	.66623	.70473	5.0850	8.1664	.73287	.15553	.62808
#1	.01061	2.8165	.00269	.01542	.27238	.10143	110.20
#2	.01071	2.8447	.00250	.01731	.27522	.10165	111.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.1977	13.482	.96307	1.9906	.02811	-.00137	.13912
SDev	.0000	.074	.00479	.0082	.00079	.00156	.00054
%RSD	.00000	.54828	.49747	.41253	2.8124	113.56	.38940
#1	6.1977	13.430	.95969	1.9964	.02755	-.00027	.13873
#2	6.1977	13.534	.96646	1.9848	.02866	-.00247	.13950
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.4728	.06600	1.2054	L-.05291	-.00517
SDev	.0130	.00393	.0028	.00318	.00462
%RSD	.88563	5.9536	.23453	6.0198	89.354
#1	1.4635	.06878	1.2034	L-.05065	-.00843
#2	1.4820	.06322	1.2074	L-.05516	-.00190
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-31 Operator: SW
Run Time: 07/12/04 19:13:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.20843	.20686	-.01601	.00333	-.00202	9.9051	.07260
SDev	.00413	.00148	.00377	.00332	.00013	.0004	.00026
%RSD	1.9823	.71497	23.526	99.637	6.2223	.00379	.35412
#1	.21135	.20581	-.01335	.00098	-.00211	9.9053	.07242
#2	.20551	.20791	-.01867	.00568	-.00193	9.9048	.07278
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00154	.60044	-.00024	.00387	.21694	.02809	50.038
SDev	.00000	.00151	.00056	.00009	.00101	.00011	.173
%RSD	.01862	.25057	238.03	2.2282	.46603	.40160	.34491
#1	.00154	.59938	.00016	.00381	.21622	.02801	49.916
#2	.00154	.60151	-.00063	.00393	.21765	.02817	50.160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.5567	.53055	.37146	1.5984	.01529	-.00017	.03008
SDev	.0012	.00230	.00087	.0130	.00043	.00061	.00054
%RSD	.04865	.43413	.23477	.81145	2.8147	348.11	1.8010
#1	2.5576	.52893	.37085	1.6076	.01498	-.00060	.02969
#2	2.5558	.53218	.37208	1.5893	.01559	.00025	.03046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.11943	.01367	.20738	-.00311	-.00520
SDev	.00036	.00264	.00039	.00096	.00111
%RSD	.30538	19.307	.18775	30.843	21.400
#1	.11917	.01553	.20766	-.00379	-.00442
#2	.11968	.01180	.20711	-.00243	-.00599
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-32 Operator: SW
Run Time: 07/12/04 19:16:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.68305	.74307	-.34488	.02597	-.00078	37.786	.63714
SDev	.00206	.00206	.00458	.00164	.00025	.043	.00020
%RSD	.30098	.27744	1.3270	6.3297	32.408	.11285	.03136
#1	.68159	.74162	-.34164	.02481	-.00095	37.816	.63728
#2	.68450	.74453	-.34811	.02713	-.00060	37.755	.63700
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01087	3.1556	-.00185	.01157	.24363	.07456	H258.85
SDev	.00007	.0055	.00005	.00052	.00031	.00005	.85
%RSD	.65516	.17282	2.8874	4.4718	.12769	.06052	.32826
#1	.01082	3.1518	-.00181	.01193	.24385	.07453	H258.25
#2	.01092	3.1595	-.00188	.01120	.24341	.07460	H259.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.5433	7.7283	3.9256	2.1446	.02048	.00244	.07706
SDev	.0066	.0030	.0058	.0004	.00077	.00258	.00018
%RSD	.11849	.03891	.14747	.01946	3.7665	105.39	.23432
#1	5.5386	7.7262	3.9215	2.1443	.02103	.00427	.07693
#2	5.5479	7.7304	3.9297	2.1449	.01994	.00062	.07719
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3019	.05507	.72308	L-.09752	.01261
SDev	.0002	.00073	.00206	.00043	.00096
%RSD	.01410	1.3331	.28484	.43845	7.6234
#1	1.3018	.05455	.72163	L-.09722	.01329
#2	1.3020	.05559	.72454	L-.09783	.01193
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-1 Operator: SW
Run Time: 07/12/04 19:18:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.8942	2.9132	-.36885	.00702	.00303	39.628	.51941
SDev	.0006	.0066	.00834	.00784	.00040	.022	.00103
%RSD	.02239	.22796	2.2610	111.72	13.131	.05508	.19891
#1	2.8947	2.9085	-.36295	.00147	.00275	39.612	.51868
#2	2.8938	2.9179	-.37475	.01257	.00332	39.643	.52014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01103	30.809	.00506	.02597	.16418	.17176	164.37
SDev	.00002	.095	.00013	.00034	.00128	.00065	.47
%RSD	.15911	.30924	2.5197	1.3290	.77675	.38085	.28574
#1	.01102	30.741	.00497	.02573	.16328	.17129	164.04
#2	.01104	30.876	.00515	.02622	.16508	.17222	164.70
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.1798	25.694	H10.047	3.4791	.02911	.00037	.14218
SDev	.0052	.077	.030	.0058	.00075	.00032	.00054
%RSD	.06403	.29848	.30072	.16572	2.5850	86.848	.38102
#1	8.1761	25.639	H10.026	3.4832	.02964	.00059	.14180
#2	8.1835	25.748	H10.069	3.4751	.02857	.00014	.14256
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.7656	.01987	2.9069	L-.11814	-.00732
SDev	.0093	.00439	.0042	.00245	.00058
%RSD	.33450	22.119	.14495	2.0776	7.9830
#1	2.7590	.01676	2.9039	L-.11988	-.00691
#2	2.7721	.02297	2.9098	L-.11641	-.00773
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-2 Operator: SW
Run Time: 07/12/04 19:21:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.73333	.79892	-.48611	.00930	.00871	19.583	.63605
SDev	.00538	.00656	.01058	.00009	.00017	.015	.00069
%RSD	.73409	.82094	2.1768	.95890	1.9256	.07621	.10904
#1	.72952	.79428	-.47863	.00936	.00859	19.594	.63654
#2	.73713	.80356	-.49359	.00923	.00883	19.573	.63556
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00832	4.5024	.00059	.00578	.11900	.06153	125.97
SDev	.00003	.0188	.00014	.00000	.00002	.00011	.39
%RSD	.42612	.41863	24.090	.00420	.01307	.18334	.30831
#1	.00830	4.4890	.00069	.00578	.11898	.06145	125.70
#2	.00835	4.5157	.00049	.00578	.11901	.06161	126.25
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.3013	2.2070	4.4802	1.7191	.00614	.00228	.03148
SDev	.0159	.0154	.0121	.0094	.00072	.00273	.00036
%RSD	.69145	.69762	.26947	.54851	11.679	119.98	1.1471
#1	2.2900	2.1961	4.4717	1.7258	.00563	.00035	.03123
#2	2.3125	2.2179	4.4887	1.7125	.00665	.00421	.03174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3212	.02979	.77708	L-.15567	-.00989
SDev	.0084	.00168	.00617	.00358	.00260
%RSD	.63906	5.6440	.79364	2.3017	26.270
#1	1.3153	.03098	.77272	L-.15314	-.00805
#2	1.3272	.02860	.78144	L-.15821	-.01173
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 19:23:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49548	.49929	.49677	.49635	.50408	49.946	.47243
SDev	.00056	.00209	.00316	.00086	.00021	.035	.00001
%RSD	.11274	.41849	.63661	.17393	.04235	.07054	.00249
#1	.49587	.49781	.49453	.49696	.50393	49.921	.47242
#2	.49508	.50076	.49900	.49574	.50423	49.971	.47244
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50331	51.120	.48327	.48596	.49042	.50133	20.733
SDev	.00122	.176	.00175	.00030	.00156	.00041	.044
%RSD	.24284	.34458	.36282	.06213	.31729	.08094	.21269
#1	.50244	50.996	.48203	.48618	.48932	.50104	20.702
#2	.50417	51.245	.48451	.48575	.49152	.50161	20.765
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.476	50.809	.48864	20.960	.47522	.47595	.50231
SDev	.029	.177	.00084	.036	.00111	.00447	.00054
%RSD	.14128	.34801	.17089	.17064	.23417	.93946	.10789
#1	20.455	50.684	.48805	20.934	.47600	.47911	.50193
#2	20.496	50.934	.48923	20.985	.47443	.47278	.50269
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50097	.50875	.49802	.49649	.51189
SDev	.00256	.00076	.00121	.00048	.00827
%RSD	.51065	.14955	.24249	.09613	1.6153
#1	.49916	.50821	.49716	.49615	.50604
#2	.50278	.50928	.49887	.49683	.51774
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 19:26:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00225	.00122	.00419	-.00205	.00047	.05697	.00022
SDev	.00369	.00116	.00328	.00563	.00063	.00084	.00001
%RSD	164.03	94.885	78.171	274.09	134.11	1.4705	5.4310
#1	-.00036	.00204	.00188	.00193	.00002	.05638	.00021
#2	.00486	.00040	.00651	-.00603	.00091	.05756	.00022
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00018	.03917	-.00002	-.00015	.00053	.00022	.04825
SDev	.00002	.00000	.00005	.00004	.00026	.00014	.00575
%RSD	9.5336	.00000	233.99	29.690	49.449	62.151	11.909
#1	.00017	.03917	-.00005	-.00011	.00035	.00012	.04418
#2	.00020	.03917	.00001	-.00018	.00072	.00031	.05231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.12945	.03403	.00095	.06486	.00040	-.00152	-.00031
SDev	.02781	.00061	.00001	.00004	.00032	.00377	.00054
%RSD	21.481	1.7874	1.3298	.05849	80.106	247.94	174.66
#1	.10978	.03446	.00096	.06489	.00017	-.00418	-.00069
#2	.14911	.03360	.00094	.06484	.00063	.00114	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00200	-.00073	.00156	.00003	-.00393
SDev	.00018	.00261	.00046	.00266	.00237
%RSD	9.1217	355.63	29.312	9908.6	60.278
#1	.00187	.00111	.00124	.00191	-.00560
#2	.00213	-.00258	.00189	-.00186	-.00225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405097-3 Operator: SW
Run Time: 07/12/04 19:28:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.75917	.84334	-.59700	.00741	-.00442	21.509	.57509
SDev	.00155	.00193	.00776	.00280	.00063	.167	.00330
%RSD	.20451	.22859	1.2995	37.735	14.219	.77734	.57399
#1	.75807	.84198	-.59151	.00939	-.00398	21.390	.57276
#2	.76026	.84471	-.60248	.00543	-.00487	21.627	.57743
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00972	5.4878	.00034	.00679	.13613	.06727	134.97
SDev	.00002	.0118	.00016	.00026	.00057	.00043	.48
%RSD	.18639	.21566	46.417	3.7908	.42269	.63720	.35322
#1	.00971	5.4795	.00023	.00697	.13653	.06697	134.64
#2	.00973	5.4962	.00045	.00661	.13572	.06758	135.31
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.3762	2.8735	4.8435	1.8800	.00807	.00198	.03748
SDev	.0206	.0181	.0172	.0173	.00029	.00189	.00054
%RSD	.61021	.62999	.35438	.92033	3.5592	95.159	1.4452
#1	3.3616	2.8607	4.8314	1.8678	.00827	.00065	.03786
#2	3.3908	2.8863	4.8556	1.8923	.00786	.00332	.03710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3780	.05505	.81531	L-.19386	-.01334
SDev	.0020	.00291	.00180	.00445	.00375
%RSD	.14658	5.2788	.22112	2.2949	28.113
#1	1.3765	.05299	.81404	L-.19071	-.01599
#2	1.3794	.05710	.81659	L-.19700	-.01069
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-4 Operator: SW
Run Time: 07/12/04 19:31:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.21886	.22106	-.02601	.00628	-.00124	8.2933	.02110
SDev	.00012	.00195	.00164	.00009	.00019	.0595	.00012
%RSD	.05331	.88351	6.2968	1.3517	15.267	.71714	.55356
#1	.21878	.21968	-.02485	.00634	-.00110	8.2513	.02102
#2	.21894	.22244	-.02717	.00622	-.00137	8.3354	.02118
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00154	.43041	-.00006	.00087	.23556	.01233	88.614
SDev	.00002	.00100	.00006	.00069	.00115	.00002	.404
%RSD	1.1548	.23147	91.984	79.463	.48863	.18303	.45575
#1	.00153	.42971	-.00002	.00038	.23474	.01234	88.329
#2	.00156	.43112	-.00011	.00136	.23637	.01231	88.900
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0197	.06287	.33935	1.4482	.00969	-.00207	.00288
SDev	.0208	.00030	.00145	.0156	.00088	.00006	.00000
%RSD	1.0286	.47787	.42818	1.0754	9.0692	3.0496	.00000
#1	2.0051	.06308	.33832	1.4372	.00907	-.00211	.00288
#2	2.0344	.06265	.34038	1.4593	.01032	-.00202	.00288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.98045	.00404	.22032	-.00447	.00164
SDev	.00366	.00292	.00134	.00060	.00168
%RSD	.37372	72.369	.60889	13.463	102.07
#1	.97786	.00197	.21938	-.00405	.00046
#2	.98305	.00610	.22127	-.00490	.00283
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-5 Operator: SW
Run Time: 07/12/04 19:34:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14302	.14449	-.00857	-.00063	-.00909	5.4076	.07383
SDev	.00009	.00236	.00419	.00149	.00019	.0072	.00001
%RSD	.06343	1.6351	48.885	234.10	2.0748	.13397	.01583
#1	.14308	.14282	-.01153	.00042	-.00896	5.4025	.07384
#2	.14295	.14616	-.00561	-.00169	-.00922	5.4128	.07382
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00484	.22729	-.00035	.00061	.10525	.00403	18.030
SDev	.00000	.00049	.00002	.00073	.00067	.00016	.015
%RSD	.00396	.21635	7.0929	119.71	.63532	3.9182	.08245
#1	.00484	.22764	-.00036	.00113	.10572	.00392	18.041
#2	.00484	.22695	-.00033	.00009	.10478	.00414	18.020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.7949	.18453	.80195	1.2270	.00229	-.00454	.00160
SDev	.0090	.00500	.00057	.0068	.00013	.00256	.00036
%RSD	.50171	2.7089	.07120	.55493	5.5165	56.322	22.500
#1	1.7885	.18806	.80235	1.2222	.00238	-.00273	.00186
#2	1.8012	.18099	.80155	1.2318	.00220	-.00635	.00135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.25280	.02075	.14400	-.00328	-.00549
SDev	.00000	.00199	.00155	.00040	.00198
%RSD	.00000	9.6058	1.0733	12.314	36.015
#1	.25280	.02216	.14291	-.00356	-.00409
#2	.25280	.01934	.14509	-.00299	-.00689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-6 Operator: SW
Run Time: 07/12/04 19:36:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10180	.09648	-.00501	.00310	-.00171	4.4186	.07209
SDev	.00432	.00139	.00538	.00143	.00057	.0095	.00016
%RSD	4.2430	1.4371	107.49	46.003	33.097	.21570	.22695
#1	.09875	.09747	-.00881	.00411	-.00211	4.4119	.07197
#2	.10485	.09550	-.00120	.00209	-.00131	4.4253	.07220
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00126	3.8679	-.00003	.00058	.12711	.00360	9.4290
SDev	.00000	.0112	.00020	.00000	.00030	.00005	.0116
%RSD	.01525	.29002	581.03	.00986	.23244	1.2534	.12348
#1	.00126	3.8600	.00011	.00058	.12732	.00357	9.4208
#2	.00126	3.8759	-.00018	.00058	.12690	.00363	9.4373
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.9067	.18411	.21490	1.5476	.00364	-.00266	.00058
SDev	.0234	.00617	.00030	.0052	.00027	.00433	.00036
%RSD	1.2297	3.3540	.14094	.33445	7.3953	163.00	61.878
#1	1.8901	.18848	.21469	1.5440	.00383	.00041	.00084
#2	1.9233	.17974	.21512	1.5513	.00345	-.00572	.00033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.16482	.01113	.09825	.00040	-.00117
SDev	.00182	.00282	.00051	.00084	.00157
%RSD	1.1066	25.341	.52264	210.31	134.04
#1	.16611	.01312	.09789	-.00019	-.00006
#2	.16353	.00913	.09862	.00100	-.00229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-7 Operator: SW
Run Time: 07/12/04 19:39:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03679	.02958	-.00618	-.00267	.00072	5.1096	.04563
SDev	.00290	.00144	.00111	.00068	.00048	.0299	.00019
%RSD	7.8800	4.8741	17.996	25.323	66.880	.58586	.40964
#1	.03884	.03060	-.00696	-.00315	.00106	5.1308	.04576
#2	.03474	.02856	-.00539	-.00219	.00038	5.0885	.04550
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00088	.10504	-.00002	.00045	.06380	.00293	4.9141
SDev	.00000	.00097	.00010	.00026	.00030	.00041	.0170
%RSD	.03273	.92191	631.10	57.508	.46309	13.861	.34649
#1	.00088	.10572	.00005	.00063	.06401	.00322	4.9261
#2	.00088	.10435	-.00009	.00027	.06359	.00264	4.9021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.26003	.17038	.52501	1.6408	.00187	-.00329	.00020
SDev	.00363	.00088	.00139	.0135	.00004	.00293	.00054
%RSD	1.3961	.51856	.26518	.82523	1.9312	88.896	270.06
#1	.25746	.17100	.52599	1.6504	.00190	-.00122	.00058
#2	.26259	.16975	.52402	1.6312	.00185	-.00537	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.41003	.00181	.03198	-.00384	-.00559
SDev	.00110	.00000	.00193	.00082	.00395
%RSD	.26726	.06657	6.0257	21.397	70.640
#1	.41081	.00181	.03334	-.00442	-.00280
#2	.40926	.00181	.03062	-.00326	-.00839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-8 Operator: SW
Run Time: 07/12/04 19:41:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.19108	.18323	.00085	-.00228	-.00132	3.1062	.02207
SDev	.00539	.00097	.00568	.00136	.00027	.0017	.00002
%RSD	2.8207	.53089	664.33	59.439	20.572	.05486	.10582
#1	.18727	.18392	-.00316	-.00132	-.00152	3.1074	.02209
#2	.19489	.18255	.00487	-.00324	-.00113	3.1050	.02206
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00050	.13370	-.00032	.00056	.07028	.00304	6.5514
SDev	.00003	.00122	.00001	.00009	.00045	.00029	.0182
%RSD	7.1079	.90975	4.2944	15.297	.64159	9.6430	.27736
#1	.00047	.13284	-.00033	.00050	.06997	.00283	6.5385
#2	.00052	.13456	-.00031	.00062	.07060	.00325	6.5642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1389	.07029	.74527	1.0389	.00242	-.00113	.00007
SDev	.0246	.00240	.00162	.0004	.00034	.00212	.00036
%RSD	2.1642	3.4115	.21782	.03828	14.084	188.36	495.36
#1	1.1215	.06860	.74412	1.0392	.00218	-.00262	-.00018
#2	1.1563	.07199	.74641	1.0386	.00266	.00037	.00033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.06760	.00526	.18585	-.00124	-.00175
SDev	.00073	.00161	.00115	.00099	.00039
%RSD	1.0787	30.523	.61661	79.590	22.115
#1	.06708	.00640	.18504	-.00194	-.00147
#2	.06811	.00413	.18666	-.00054	-.00202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 19:44:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00908	.00732	.01105	.00478	.02075	.45894	.38515
SDev	.00321	.00042	.00215	.00316	.00034	.00239	.00206
%RSD	35.330	5.6817	19.458	66.044	1.6173	.52190	.53574
#1	.00681	.00761	.01257	.00701	.02099	.45725	.38369
#2	.01134	.00703	.00953	.00255	.02052	.46064	.38661
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01028	9.6748	.00992	.10012	.02031	.05016	.18806
SDev	.00000	.0331	.00016	.00043	.00056	.00045	.01024
%RSD	.00093	.34191	1.6234	.42987	2.7556	.89968	5.4434
#1	.01028	9.6982	.01004	.10043	.02071	.05047	.19530
#2	.01028	9.6514	.00981	.09982	.01992	.04984	.18082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.8656	9.8994	.03032	9.0403	.07992	.12500	.10183
SDev	.0353	.0299	.00016	.0455	.00063	.00385	.00018
%RSD	.39830	.30245	.54011	.50327	.78581	3.0825	.17731
#1	8.8406	9.9206	.03044	9.0081	.08036	.12227	.10196
#2	8.8905	9.8783	.03021	9.0724	.07947	.12772	.10170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04388	.01387	.00791	.00687	.01949
SDev	.00073	.00139	.00079	.00282	.00445
%RSD	1.6615	10.002	9.9975	41.076	22.809
#1	.04440	.01288	.00735	.00886	.02263
#2	.04337	.01485	.00846	.00487	.01635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 19:46:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03066	.01482	-.01389	.00975	.00022	479.98	.00086
SDev	.00010	.00675	.00589	.00045	.00027	2.47	.00001
%RSD	.30978	45.543	42.422	4.6332	125.62	.51466	1.3593
#1	-.03073	.01959	-.01806	.00943	.00041	478.23	.00087
#2	-.03060	.01004	-.00972	.01007	.00002	481.73	.00085
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00110	490.82	.00133	.00336	.00030	-.00084	199.87
SDev	.00000	1.16	.00009	.00000	.00003	.00027	.50
%RSD	.00870	.23568	6.8989	.00013	10.241	32.419	.25217
#1	.00110	490.00	.00139	.00336	.00033	-.00064	199.51
#2	.00110	491.64	.00126	.00336	.00028	-.00103	200.23
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07229	497.29	.00755	.21487	.00311	-.00418	.00454
SDev	.00589	.99	.00003	.00122	.00030	.00264	.00018
%RSD	8.1517	.19939	.33381	.56568	9.8077	63.049	3.9758
#1	.07646	496.59	.00753	.21401	.00332	-.00232	.00467
#2	.06812	497.99	.00756	.21573	.00289	-.00605	.00441
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01527	-.00283	-.00033	.00188	.00066
SDev	.00000	.00311	.00447	.00226	.00684
%RSD	.00000	109.90	1356.7	120.51	1041.6
#1	.01527	-.00504	.00283	.00028	.00549
#2	.01527	-.00063	-.00349	.00348	-.00418
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 19:49:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01623	.06090	.03764	.04939	.20899	483.67	.45692
SDev	.00219	.01085	.00432	.00235	.00082	.31	.00063
%RSD	13.504	17.820	11.486	4.7643	.39413	.06460	.13866
#1	.01778	.05323	.04070	.04773	.20957	483.89	.45737
#2	.01468	.06857	.03459	.05106	.20840	483.45	.45647
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46268	496.09	.87314	.45220	.45222	.52355	201.84
SDev	.00040	.15	.00020	.00017	.00009	.00095	.11
%RSD	.08543	.02979	.02245	.03811	.02064	.18084	.05288
#1	.46296	496.20	.87300	.45207	.45228	.52422	201.92
#2	.46240	495.99	.87328	.45232	.45215	.52288	201.77
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02722	501.20	.46522	.14923	.85972	.56148	.47868
SDev	.00150	.20	.00015	.00047	.00045	.00963	.00000
%RSD	5.4931	.03915	.03263	.31711	.05225	1.7153	.00000
#1	-.02616	501.06	.46533	.14889	.85940	.55467	.47868
#2	-.02827	501.34	.46512	.14956	.86003	.56829	.47868
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.90054	.09450	.04602	.04548	.09130
SDev	.00275	.00279	.00651	.00013	.00204
%RSD	.30504	2.9559	14.142	.28514	2.2390
#1	.89860	.09252	.04142	.04539	.08985
#2	.90248	.09647	.05063	.04557	.09274
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 19:51:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49122	.49998	.49363	.49332	.50358	50.113	.47386
SDev	.00326	.00068	.00128	.00205	.00058	.051	.00048
%RSD	.66260	.13648	.25998	.41605	.11445	.10248	.10153
#1	.48892	.49950	.49272	.49477	.50399	50.149	.47420
#2	.49352	.50046	.49453	.49187	.50318	50.077	.47352
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49961	51.042	.48145	.48453	.48865	.50244	20.714
SDev	.00002	.024	.00013	.00052	.00051	.00041	.032
%RSD	.00367	.04612	.02674	.10687	.10508	.08076	.15450
#1	.49960	51.059	.48154	.48490	.48901	.50273	20.736
#2	.49962	51.026	.48136	.48416	.48828	.50215	20.691
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.656	50.647	.48715	21.255	.47291	.47790	.50014
SDev	.008	.024	.00047	.005	.00162	.00063	.00072
%RSD	.03927	.04785	.09609	.02216	.34161	.13190	.14446
#1	20.650	50.630	.48748	21.252	.47405	.47745	.50065
#2	20.662	50.664	.48682	21.259	.47176	.47834	.49963
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49671	.49911	.49706	.49342	.50661
SDev	.00018	.00243	.00154	.00094	.00470
%RSD	.03679	.48701	.30962	.19084	.92843
#1	.49684	.50083	.49597	.49409	.50328
#2	.49658	.49739	.49815	.49276	.50993
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 19:54:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00306	-.00015	-.00201	.00257	-.00012	.08399	.00014
SDev	.00106	.00134	.00458	.00173	.00034	.00566	.00002
%RSD	34.508	900.78	227.68	67.410	270.50	6.7398	16.599
#1	.00381	-.00110	.00123	.00135	.00011	.08799	.00016
#2	.00231	.00080	-.00524	.00380	-.00036	.07999	.00012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00022	.06448	-.00016	-.00027	.00019	.00001	.04133
SDev	.00003	.00479	.00012	.00004	.00009	.00011	.01389
%RSD	15.984	7.4355	75.311	16.134	48.159	1083.4	33.616
#1	.00025	.06787	-.00024	-.00030	.00026	.00009	.05116
#2	.00020	.06109	-.00007	-.00024	.00013	-.00007	.03151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.10686	.06010	.00064	.06425	-.00038	-.00320	-.00044
SDev	.02324	.00601	.00004	.00038	.00011	.00051	.00036
%RSD	21.751	10.006	5.8643	.59076	28.074	16.015	82.485
#1	.12329	.06435	.00067	.06452	-.00046	-.00284	-.00018
#2	.09042	.05585	.00062	.06398	-.00031	-.00356	-.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00110	.00000	.00092	.00105	-.00505
SDev	.00073	.00260	.00054	.00037	.00079
%RSD	66.521	68657.	59.018	34.924	15.737
#1	.00161	-.00184	.00054	.00131	-.00449
#2	.00058	.00184	.00130	.00079	-.00561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40713A

SW

Reviewed 7/14/04

STANDARD SOLUTION CODES

MIX A High Standard (ST040602-1) exp 06/02/05

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST040602-2) exp 05/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD MIX 1 (ST040602-7) exp 5/21/05
0.1ml Intermediate RL STD MIX 2 (ST040602-8) exp 6/02/05

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe	0.1
Sb	0.008
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/12/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 07/01/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
1.0ml (ST040525-42) exp 11/13/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Cd,Ni,Zn	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 07/12/04
made by diluting:
0.5ml IV-7 (ST040521-31) exp 06/01/05
0.5ml IV-19 (ST040521-32) exp 06/01/05
5.0ml Major Element 2nd source (ST040602-3) exp 06/02/05
to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5

Fe,Na	20.5
K	20.0
Ba,Be,Cd,Co,Cr	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl	0.5
Ag	0.5

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
Ba,Be,Cd,Co,Cr	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl	0.25
Ag	0.25

CRI (preparation date: 07/12/04)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Fe	0.2
Al,Ba	0.4
Tl,Cr,Ag	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

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Acid Lot Numbers

HNO3 -- A16051
HCl -- X25027

Pipet ID Numbers

1.0 to 5.0ml M-55

0.1 to 1.0ml AB-001

0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/13/04

Interelement Interference Information

The following table summarizes spectral interferences which have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element which exceeds the upper analytical range and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into the analytical range.

Interfering Element (and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb
Ni (10)	Pb,Al
V (10)	Al,Be,Fe

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		

Zn 100

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

ANALYTICAL SPIKES

0405097-9A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Fe 20.0

0.02ml of 10000ug/ml Fe (ST040525-19) brought to 10ml final volume with digestate.

0406259-13A 5X post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Pb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with digestate.

0406260-11A 5X post spiked for the following element(s) at the listed concentration (ug/ml in digestate)

Pb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with digestate.

COMMENTS

1. Please see run log and workorders for elements of interest.

ICP REVIEWER COMMENTS

Daily Maintenance Items

1. Check/Change pump tubing
2. Check/Empty drain container
3. Check and record As profile
4. Record As,Se signal:background ratios

Daily Maintenance Performed SW

Monthly Maintenance Items

1. Check/Clean torch for deposits
2. Check/Clean nebulizer and spray chamber
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Monthly Maintenance Performed on 06/15/04 (SW)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode

Multi-point calibrations performed at beginning of sequence

Analysis Report Summary 07/14/04 08:25:26 AM

Blank; RLSTD; MixA: High, 1/2, 1/10, 1/100; MixB: High, 1/10, 1/100 computer date set incorrectly

				07/13/04 (SW)				
1	MIXBHIGH	T	TRACE	~~07/12/04~~	09:17	SW	Q	CONC
2	MIXAHIGH	T	TRACE	07/12/04	09:19	SW	Q	CONC
3	ICV	T	TRACE	07/12/04	09:22	SW	Q	CONC
4	ICB	T	TRACE	07/12/04	09:25	SW	B	CONC
5	CRI	T	TRACE	07/12/04	09:27	SW	S	CONC
6	ICSA	T	TRACE	07/12/04	09:30	SW	Q	CONC
7	ICSAB	T	TRACE	07/12/04	09:32	SW	Q	CONC
8	CCV	T	TRACE	07/12/04	09:35	SW	Q	CONC
9	CCB	T	TRACE	07/12/04	09:37	SW	B	CONC
10	0405096-21 2X	Fe, Pb T	TRACE	07/12/04	09:44	SW	S	CONC
11	0405096-21D 2X	T	TRACE	07/12/04	09:46	SW	S	CONC
12	0405096-21L 10X	T	TRACE	07/12/04	09:49	SW	S	CONC
13	0405096-21MS 2X	T	TRACE	07/12/04	09:51	SW	S	CONC
14	0405096-21MSD 2X	T	TRACE	07/12/04	09:54	SW	S	CONC
15	0405096-23 2X	T	TRACE	07/12/04	09:56	SW	S	CONC
16	0405096-27 2X	T	TRACE	07/12/04	09:59	SW	S	CONC
17	0405096-28 2X	T	TRACE	07/12/04	10:01	SW	S	CONC
18	0405096-32 2X	T	TRACE	07/12/04	10:04	SW	S	CONC
19	0405097-1 2X	Mn, Pb T	TRACE	07/12/04	10:07	SW	S	CONC
20	CCV	T	TRACE	07/12/04	10:09	SW	Q	CONC
21	CCB	T	TRACE	07/12/04	10:12	SW	B	CONC
22	IP040709-4MB	T	TRACE	07/12/04	10:14	SW	S	CONC
23	IP040709-4LCS	T	TRACE	07/12/04	10:17	SW	S	CONC
24	0405097-9	(1) T	TRACE	07/12/04	10:19	SW	S	CONC
25	0405097-9D	T	TRACE	07/12/04	10:22	SW	S	CONC
26	0405097-9L 5X	T	TRACE	07/12/04	10:24	SW	S	CONC
27	0405097-9MS	T	TRACE	07/12/04	10:27	SW	S	CONC
28	0405097-9MSD	T	TRACE	07/12/04	10:29	SW	S	CONC
29	0405097-10	T	TRACE	07/12/04	10:32	SW	S	CONC
30	0405097-11	T	TRACE	07/12/04	10:34	SW	S	CONC
31	0405097-12	T	TRACE	07/12/04	10:37	SW	S	CONC
32	CCV	T	TRACE	07/12/04	10:39	SW	Q	CONC
33	CCB	T	TRACE	07/12/04	10:42	SW	B	CONC
34	0405097-13	T	TRACE	07/12/04	10:44	SW	S	CONC
35	0405097-14	T	TRACE	07/12/04	10:47	SW	S	CONC
36	0405097-15	T	TRACE	07/12/04	10:49	SW	S	CONC
37	0405097-16	T	TRACE	07/12/04	10:52	SW	S	CONC
38	0405097-17	(1) Mn, Pb T	TRACE	07/12/04	10:54	SW	S	CONC
39	0405097-18	T	TRACE	07/12/04	10:57	SW	S	CONC
40	0405097-20	T	TRACE	07/12/04	10:59	SW	S	CONC
41	0405097-22	T	TRACE	07/12/04	11:02	SW	S	CONC
42	0405097-24	T	TRACE	07/12/04	11:05	SW	S	CONC
43	0405097-25	T	TRACE	07/12/04	11:07	SW	S	CONC
44	CCV	T	TRACE	07/12/04	11:10	SW	Q	CONC
45	CCB	T	TRACE	07/12/04	11:12	SW	B	CONC
46	0405097-26	T	TRACE	07/12/04	11:15	SW	S	CONC
47	0405097-27	T	TRACE	07/12/04	11:17	SW	S	CONC
48	0405097-29	T	TRACE	07/12/04	11:20	SW	S	CONC
49	0405097-30	T	TRACE	07/12/04	11:22	SW	S	CONC
50	0405097-9A	T	TRACE	07/12/04	11:26	SW	S	CONC
51	CRI	T	TRACE	07/12/04	11:28	SW	S	CONC
52	ICSA	T	TRACE	07/12/04	11:32	SW	Q	CONC
53	ICSAB	T	TRACE	07/12/04	11:35	SW	Q	CONC
54	CCV	T	TRACE	07/12/04	11:37	SW	Q	CONC
55	CCB	T	TRACE	07/12/04	11:40	SW	B	CONC

dilution will be analyzed in next sequence

(1) = Al, Fe, Mn, As, Pb

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
				07/13/04 (SW)				
56	IP040712-2MB	T	TRACE	07/12/04	12:01	SW	S	CONC
57	IP040712-2LCS	T	TRACE	07/12/04	12:03	SW	S	CONC
58	0406206-1 TAL	T	TRACE	07/12/04	12:07	SW	S	CONC
59	0406206-2 TAL-Na	T	TRACE	07/12/04	12:10	SW	S	CONC
60	0406206-3	T	TRACE	07/12/04	12:12	SW	S	CONC
61	0406245-1	T	TRACE	07/12/04	12:15	SW	S	CONC
62	0406245-1D	T	TRACE	07/12/04	12:17	SW	S	CONC
63	0406245-1L 5X	T	TRACE	07/12/04	12:20	SW	S	CONC
64	0406245-1MS	T	TRACE	07/12/04	12:23	SW	S	CONC
65	0406245-1MSD	T	TRACE	07/12/04	12:26	SW	S	CONC
66	CCV	T	TRACE	07/12/04	12:28	SW	Q	CONC
67	CCB	T	TRACE	07/12/04	12:31	SW	B	CONC
68	0406245-2 TAL	T	TRACE	07/12/04	12:33	SW	S	CONC
69	0406245-3	T	TRACE	07/12/04	12:36	SW	S	CONC
70	0406245-5	T	TRACE	07/12/04	12:38	SW	S	CONC
71	0406245-6	T	TRACE	07/12/04	12:41	SW	S	CONC
72	0406206-2 5X Na	T	TRACE	07/12/04	12:47	SW	S	CONC
73	0406206-3 5X	T	TRACE	07/12/04	12:49	SW	S	CONC
74	0406245-1 5X	T	TRACE	07/12/04	12:52	SW	S	CONC
75	0406245-1D 5X	T	TRACE	07/12/04	12:54	SW	S	CONC
76	0406245-1L 25X	T	TRACE	07/12/04	12:57	SW	S	CONC
77	0406245-1MS 5X	T	TRACE	07/12/04	12:59	SW	S	CONC
78	CCV	T	TRACE	07/12/04	13:02	SW	Q	CONC
79	CCB	T	TRACE	07/12/04	13:05	SW	B	CONC
80	0406245-1MSD 5X	T	TRACE	07/12/04	13:07	SW	S	CONC
81	IP040712-1MB	T	TRACE	07/12/04	13:10	SW	S	CONC
82	IP040712-1LCS	T	TRACE	07/12/04	13:12	SW	S	CONC
83	0406258-1 5X As,Pb	T	TRACE	07/12/04	13:15	SW	S	CONC
84	0406258-2 5X	T	TRACE	07/12/04	13:17	SW	S	CONC
85	0406258-3 5X	T	TRACE	07/12/04	13:20	SW	S	CONC
86	0406258-4 5X	T	TRACE	07/12/04	13:22	SW	S	CONC
87	0406258-5 5X	T	TRACE	07/12/04	13:25	SW	S	CONC
88	0406258-6 5X	T	TRACE	07/12/04	13:27	SW	S	CONC
89	0406258-7 5X	T	TRACE	07/12/04	13:30	SW	S	CONC
90	CCV	T	TRACE	07/12/04	13:32	SW	Q	CONC
91	CCB	T	TRACE	07/12/04	13:35	SW	B	CONC
92	CRI	T	TRACE	07/12/04	13:40	SW	S	CONC
93	ICSA	T	TRACE	07/12/04	13:42	SW	Q	CONC
94	ICSAB	T	TRACE	07/12/04	13:45	SW	Q	CONC
95	CCV	T	TRACE	07/12/04	13:47	SW	Q	CONC
96	CCB	T	TRACE	07/12/04	13:50	SW	B	CONC
97	0406258-8 5X	T	TRACE	07/12/04	13:58	SW	S	CONC
98	0406258-9 5X	T	TRACE	07/12/04	14:00	SW	S	CONC
99	0406258-10 5X	T	TRACE	07/12/04	14:03	SW	S	CONC
100	0406258-11 5X	T	TRACE	07/12/04	14:05	SW	S	CONC
101	0406258-12 5X	T	TRACE	07/12/04	14:08	SW	S	CONC
102	0406258-13 5X	T	TRACE	07/12/04	14:10	SW	S	CONC
103	0406258-13D 5X	T	TRACE	07/12/04	14:13	SW	S	CONC
104	0406258-13L 25X	T	TRACE	07/12/04	14:15	SW	S	CONC
105	0406258-13MS 5X	T	TRACE	07/12/04	14:18	SW	S	CONC
106	0406258-13MSD 5X	T	TRACE	07/12/04	14:20	SW	S	CONC
107	CCV	T	TRACE	07/12/04	14:23	SW	Q	CONC
108	CCB	T	TRACE	07/12/04	14:26	SW	B	CONC
109	0406258-14 5X	T	TRACE	07/12/04	14:28	SW	S	CONC

19 non-flags wrong check table

(Diluted to reduce potential matrix interferences. RL was below client RL of 10 mg/L in the diluted samples)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
				07/13/04 (SW)				
110	0406258-15 5X As, Pb	T	TRACE	07/12/04	14:31	SW	S	CONC
111	0406258-16 5X	T	TRACE	07/12/04	14:33	SW	S	CONC
112	0406258-17 5X	T	TRACE	07/12/04	14:36	SW	S	CONC
113	0406258-18 5X	T	TRACE	07/12/04	14:38	SW	S	CONC
114	0406258-19 5X	T	TRACE	07/12/04	14:41	SW	S	CONC
115	0406258-20 5X	T	TRACE	07/12/04	14:43	SW	S	CONC
116	IP040712-3MB	T	TRACE	07/12/04	14:46	SW	S	CONC
117	IP040712-3LCS	T	TRACE	07/12/04	14:48	SW	S	CONC
118	0406259-1 5X	T	TRACE	07/12/04	14:51	SW	S	CONC
119	CCV	T	TRACE	07/12/04	14:53	SW	Q	CONC
120	CCB	T	TRACE	07/12/04	14:56	SW	B	CONC
121	0406259-2 5X	T	TRACE	07/12/04	14:58	SW	S	CONC
122	0406259-3 5X	T	TRACE	07/12/04	15:01	SW	S	CONC
123	0406259-4 5X	T	TRACE	07/12/04	15:03	SW	S	CONC
124	0406259-5 5X	T	TRACE	07/12/04	15:06	SW	S	CONC
125	0406259-6 5X	T	TRACE	07/12/04	15:09	SW	S	CONC
126	0406259-7 5X	T	TRACE	07/12/04	15:11	SW	S	CONC
127	0406259-8 5X	T	TRACE	07/12/04	15:14	SW	S	CONC
128	0406259-9 5X	T	TRACE	07/12/04	15:16	SW	S	CONC
129	0406259-10 5X	T	TRACE	07/12/04	15:19	SW	S	CONC
130	0406259-11 5X	T	TRACE	07/12/04	15:21	SW	S	CONC
131	CCV	T	TRACE	07/12/04	15:24	SW	Q	CONC
132	CCB	T	TRACE	07/12/04	15:26	SW	B	CONC
133	0406259-12 5X	T	TRACE	07/12/04	15:29	SW	S	CONC
134	0406259-13 5X	T	TRACE	07/12/04	15:31	SW	S	CONC
135	0406259-13D 5X	T	TRACE	07/12/04	15:34	SW	S	CONC
136	0406259-13L 25X	T	TRACE	07/12/04	15:36	SW	S	CONC
137	0406259-13MS 5X	T	TRACE	07/12/04	15:39	SW	S	CONC
138	0406259-13MSD 5X	T	TRACE	07/12/04	15:41	SW	S	CONC
139	0406259-14 5X	T	TRACE	07/12/04	15:44	SW	S	CONC
140	0406259-15 5X	T	TRACE	07/12/04	15:46	SW	S	CONC
141	0406259-16 5X	T	TRACE	07/12/04	15:49	SW	S	CONC
142	0406259-17 5X	T	TRACE	07/12/04	15:51	SW	S	CONC
143	CCV	T	TRACE	07/12/04	15:54	SW	Q	CONC
144	CCB	T	TRACE	07/12/04	15:56	SW	B	CONC
145	0406259-18 5X	T	TRACE	07/12/04	16:00	SW	S	CONC
146	0406259-19 5X	T	TRACE	07/12/04	16:02	SW	S	CONC
147	0406259-20 5X	T	TRACE	07/12/04	16:05	SW	S	CONC
148	0406259-13A 5X Pb	T	TRACE	07/12/04	16:07	SW	S	CONC
149	CRI	T	TRACE	07/12/04	16:10	SW	S	CONC
150	ICSA	T	TRACE	07/12/04	16:12	SW	Q	CONC
151	ICSAB	T	TRACE	07/12/04	16:15	SW	Q	CONC
152	CCV	T	TRACE	07/12/04	16:18	SW	Q	CONC
153	CCB	T	TRACE	07/12/04	16:20	SW	B	CONC
154	IP040712-4MB	T	TRACE	07/12/04	16:25	SW	S	CONC
155	IP040712-4LCS	T	TRACE	07/12/04	16:28	SW	S	CONC
156	0406260-1 5X As, Pb	T	TRACE	07/12/04	16:30	SW	S	CONC
157	0406260-2 5X	T	TRACE	07/12/04	16:33	SW	S	CONC
158	0406260-3 5X	T	TRACE	07/12/04	16:35	SW	S	CONC
159	0406260-4 5X	T	TRACE	07/12/04	16:38	SW	S	CONC
160	0406260-5 5X	T	TRACE	07/12/04	16:41	SW	S	CONC
161	0406260-6 5X	T	TRACE	07/12/04	16:43	SW	S	CONC
162	0406260-7 5X	T	TRACE	07/12/04	16:46	SW	S	CONC
163	0406260-8 5X	T	TRACE	07/12/04	16:48	SW	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
				07/13/04	(SW)			
164	CCV	T	TRACE	07/12/04	16:51	SW	Q	CONC
165	CCB	T	TRACE	07/12/04	16:53	SW	B	CONC
166	0406260-9 5X As, Pb	T	TRACE	07/12/04	16:56	SW	S	CONC
167	0406260-10 5X	T	TRACE	07/12/04	16:58	SW	S	CONC
168	0406260-11 5X	T	TRACE	07/12/04	17:01	SW	S	CONC
169	0406260-11D 5X	T	TRACE	07/12/04	17:03	SW	S	CONC
170	0406260-11L 25X	T	TRACE	07/12/04	17:06	SW	S	CONC
171	0406260-11MS 5X	T	TRACE	07/12/04	17:08	SW	S	CONC
172	0406260-11MSD 5X	T	TRACE	07/12/04	17:11	SW	S	CONC
173	0406260-12 5X	T	TRACE	07/12/04	17:13	SW	S	CONC
174	0406260-13 5X	T	TRACE	07/12/04	17:16	SW	S	CONC
175	0406260-14 5X	T	TRACE	07/12/04	17:18	SW	S	CONC
176	CCV	T	TRACE	07/12/04	17:21	SW	Q	CONC
177	CCB	T	TRACE	07/12/04	17:23	SW	B	CONC
178	0406260-15 5X	T	TRACE	07/12/04	17:26	SW	S	CONC
179	0406260-16 5X	T	TRACE	07/12/04	17:28	SW	S	CONC
180	0406260-17 5X	T	TRACE	07/12/04	17:31	SW	S	CONC
181	0406260-18 5X	T	TRACE	07/12/04	17:34	SW	S	CONC
182	0406260-19 5X	T	TRACE	07/12/04	17:36	SW	S	CONC
183	0406260-20 5X	T	TRACE	07/12/04	17:39	SW	S	CONC
184	0406260-11A 5X Not required	T	TRACE	07/12/04	17:41	SW	S	CONC
185	CRI	T	TRACE	07/12/04	17:44	SW	S	CONC
186	ICSA	T	TRACE	07/12/04	17:46	SW	Q	CONC
187	ICSAB	T	TRACE	07/12/04	17:49	SW	Q	CONC
188	CCV	T	TRACE	07/12/04	17:51	SW	Q	CONC
189	CCB	T	TRACE	07/12/04	17:54	SW	B	CONC

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.09808	499.75	24.487	.01041	.43663	489.24
2	Sb	2.0186	.01714	.25424	.00242	.12861	.00621
3	As	10.026	.00411	.25302	.00098	.00961	.00488
4	Ba	10.010	.00236	.24112	.00029	.39410	.00091
5	Be	10.065	.00236	.25496	.00045	.01065	.00134
6	Cd	9.9927	.00040	.24453	.00022	.01017	-.00073
7	Ca	.04375	500.43	24.814	.02803	9.5077	511.51
8	Cr	10.010	.00544	.24451	.00018	.01981	.00030
9	Co	10.030	.00493	.24309	-.00001	.10129	.00362
10	Cu	10.069	.00448	.24715	.00074	.05042	.00039
11	Fe	-.01892	200.94	10.164	-.00094	.17248	205.99
12	Pb	9.9135	.00400	.24907	.00111	.00507	.00024
13	Mg	-.03897	501.83	25.262	-.01740	9.9318	516.52
14	Mn	10.016	.00861	.24648	.00025	.03101	.00785
15	Ni	10.007	.00462	.24094	.00087	.08150	.00357
16	K_	.13942	100.28	9.9361	.26218	8.9479	.30640
17	Se	9.9775	-.00034	.25118	.00049	.01045	-.00122
18	Ag	1.9946	.00084	.24155	.00095	.01989	.00080
19	Na	.06597	99.824	10.088	.01994	8.8786	.18008
20	Tl	10.009	-.00088	.25418	.00000	.02179	.00026
21	V_	10.026	.00572	.25193	.00014	.10276	.00520
22	Zn	10.005	.01141	.24503	-.00267	.04396	.01016

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#	Element	ICSAB	CCV	CCB	040'1 2X	040'D 2X	040' 10X
					21	21D	21C
1	Al	496.52	49.917	.02873	39.912	48.986	8.0809
2	Sb	.57935	.49025	.00031	.00825	.00880	.00422
3	As	.09992	.50019	.00263	.01700	.01290	.00366
4	Ba	.47234	.48430	-.00002	.12688	.14727	.02588
5	Be	.47588	.50947	.00018	.00257	.00249	.00054
6	Cd	.89099	.48652	-.00018	-.00258	-.00219	-.00052
7	Ca	513.50	50.960	.04440	4.3703	5.4757	.87839
8	Cr	.45271	.48807	.00015	.27994	.30070	.05786
9	Co	.45544	.48422	-.00004	.02487	.02899	.00509
10	Cu	.53461	.50506	.00053	.14682	.13427	.02883
11	Fe	207.26	20.800	.01125	185.40	178.54	34.268
12	Pb	.04916	.49935	-.00054	.18056	.14667	.03588
13	Mg	517.96	51.038	.00080	31.524	40.083	6.5301
14	Mn	.47425	.49317	.00002	1.8682	1.7764	.38510
15	Ni	.87490	.47942	.00043	.04714	.06495	.01007
16	K_	.20099	20.591	.33545	7.9091	14.947	1.7703
17	Se	.04765	.50500	.00106	-.00733	-.00427	-.00617
18	Ag	.20600	.49569	.00095	.00056	.00047	.00061
19	Na	.14075	20.747	.01617	1.1666	1.0508	.22343
20	Tl	.09373	.51408	-.00430	.00597	.00666	.00015
21	V_	.48724	.50493	.00014	.18487	.21008	.03819
22	Zn	.90694	.49568	-.00333	.36874	.33222	.07436

#	Element	040'S 2X	040'D 2X	040'3 2X	040'7 2X	040'8 2X	040'2 2X
		21 MS	21 MSD	23	27	28	32
1	Al	40.576	44.099	29.041	88.371	31.814	18.757
2	Sb	.01031	.00735	.00435	.00960	.00571	.00637
3	As	.27734	.28637	.01520	.01449	.00540	.02936
4	Ba	.35538	.36987	.17642	.17773	.07707	.32781
5	Be	.25875	.26162	.00332	.00376	.00085	.00557
6	Cd	.29259	.29589	-.00124	-.00290	-.00216	-.00152
7	Ca	4.4389	4.5295	3.5456	6.6969	5.7586	1.5510
8	Cr	.49521	.53413	.31356	.16713	.14887	.12302
9	Co	.26678	.27211	.02023	.05046	.02943	.00551
10	Cu	.39098	.40621	.12558	.06561	.05123	.03554
11	Fe	174.06	192.65	123.33	145.33	112.67	122.76
12	Pb	.45963	.48151	.25181	.27540	.06758	.36844
13	Mg	29.883	32.354	19.425	44.651	24.018	4.0320
14	Mn	2.0262	2.1738	1.4896	2.2628	1.2095	2.0068
15	Ni	.28750	.29460	.04030	.04432	.02292	.01085
16	K_	7.2599	8.1586	5.7998	4.2498	2.3085	2.9829
17	Se	.26658	.26995	L-.01988	L-.02511	-.00863	L-.05472
18	Ag	.00924	.00930	.00018	.00482	.00060	-.00005
19	Na	1.1121	1.2581	1.3321	1.2141	1.4276	1.0053
20	Tl	.00194	.00471	.00544	-.01185	-.00762	.00252
21	V_	.42482	.44160	.12237	.29326	.21450	.03858
22	Zn	.57323	.61713	.50582	.23108	.13176	.65755

#	Element	040'1 2X	CCV	CCB	IP0'-4MB	IP0'4LCS	040'97-9
		1			MB	LCS	9
1	Al	19.670	50.113	.01940	.00398	5.1060	4.1056
2	Sb	.00201	.48700	-.00056	.00436	.01821	.00441
3	As	.01029	.50672	.00069	.00093	.53545	.00842
4	Ba	.26865	.48381	-.00004	-.00004	.48015	.30044
5	Be	.00573	.51396	.00014	.00006	.52034	.00163
6	Cd	.00181	.49177	-.00023	-.00022	.61088	-.00042
7	Ca	15.248	51.343	.03410	.04068	.03426	.21487
8	Cr	.08328	.49142	.00037	.00030	.49706	.08881
9	Co	.01329	.48771	.00001	-.00019	.49979	.00108
10	Cu	.08359	.50600	.00027	.00057	.50678	.00417
11	Fe	79.977	20.896	.01466	.05324	4.8903	8.4817
12	Pb	1.4865	.50457	.00048	-.00117	.61023	.07957
13	Mg	13.177	51.452	-.00577	-.02966	-.03453	.03209
14	Mn	5.1455	.49558	.00035	.00037	.50439	.15229
15	Ni	.01536	.48086	.00050	.00221	.50497	.00304
16	K_	4.2345	20.648	.32713	.30350	.29461	1.7395
17	Se	L-.05922	.51006	.00074	.00056	.54087	-.00049
18	Ag	.00071	.49825	.00056	.00104	.01913	-.00028
19	Na	1.6096	20.833	.00662	.01080	.00842	1.1114
20	Tl	-.00051	.52160	-.00024	-.00086	-.00272	-.00230
21	V_	.07158	.50662	.00014	.00001	.50233	.00118
22	Zn	1.4009	.50262	-.00320	.00323	.51463	.08506

#	Element	040'7-9D	040'L 5X	040'-9MS	040'9MSD	040'7-10	040'7-11
1	Al	3.8037	.84462	9.4431	9.7439	2.4725	2.9972
2	Sb	.00175	-.00026	.02337	.02318	.00079	.00074
3	As	.00730	-.00005	.54711	.55038	.00403	.02642
4	Ba	.27677	.06124	.82609	.83433	.01786	.07553
5	Be	.00178	.00035	.53097	.52976	.00055	.00136
6	Cd	-.00043	-.00054	.61196	.60840	-.00028	-.00038
7	Ca	.18008	.05655	.22470	.30237	.31349	.60036
8	Cr	.07598	.01729	.59681	.59441	.14579	.06848
9	Co	.00051	.00013	.50215	.50038	.00070	.00054
10	Cu	.00370	.00098	.51241	.51367	.00477	.00206
11	Fe	7.9159	1.6272	14.468	14.973	4.9998	7.3758
12	Pb	.07470	.01531	.69509	.70239	.03190	.11102
13	Mg	.02518	-.02649	.03364	.07388	.04073	.20444
14	Mn	.14122	.03084	.67061	.67539	.05611	.23284
15	Ni	.00271	.00019	.50826	.50541	.00512	.00255
16	K_	1.6632	.61775	1.8595	1.8806	1.1611	1.7441
17	Se	-.00014	-.00209	.53838	.53575	.00131	-.00120
18	Ag	-.00031	.00031	.01812	.01758	.00037	-.00381
19	Na	1.0214	.23998	1.2090	1.2626	.80180	.87893
20	Tl	.00309	.00074	.00041	-.00057	-.00289	-.00385
21	V_	.00118	.00014	.50298	.50285	.00170	.00079
22	Zn	.08032	.01444	.60485	.60672	.02910	.06054

#	Element	040'7-12	CCV	CCB	040'7-13	040'7-14	040'7-15
1	Al	5.5315	50.090	.01866	12.385	28.735	28.467
2	Sb	.00340	.49264	.00089	-.00052	.00059	.00347
3	As	.02835	.50560	.00273	.01787	-.00046	.00206
4	Ba	.04449	.48308	-.00003	.08835	.05739	.03651
5	Be	.00285	.51451	.00014	.00129	.00084	.00058
6	Cd	-.00057	.49291	-.00028	.00019	-.00134	-.00143
7	Ca	.87980	51.541	.03538	.15186	5.1444	6.2783
8	Cr	.08628	.49217	.00060	.12040	.15115	.21088
9	Co	.00012	.48867	-.00013	.00064	.01086	.01785
10	Cu	.00401	.50386	.00048	.00460	.01611	.05677
11	Fe	24.130	20.982	.01183	14.901	71.440	78.101
12	Pb	.17727	.50581	.00112	.24187	.00937	.01872
13	Mg	.02273	51.565	-.00894	.05043	15.403	14.551
14	Mn	.24155	.49589	.00009	2.1550	1.4977	1.3975
15	Ni	.00262	.48442	.00142	.00445	.00781	.00664
16	K_	2.1642	20.638	.31116	2.1910	6.2720	4.0457
17	Se	-.00070	.51891	.00152	-.00148	-.00337	.00704
18	Ag	-.00887	.49842	.00062	-.00741	.00021	.00095
19	Na	.95836	20.773	.00213	1.7397	1.5507	2.2435
20	Tl	-.00954	.52019	.00062	-.00898	-.00548	-.00375
21	V_	.00040	.50662	.00014	.00001	.04768	.04339
22	Zn	.17684	.50302	-.00360	.28898	.09047	.11005

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#	Element	040'7-16	040'7-17	040'7-18	040'7-20	040'7-22	040'7-24
1	Al	32.006	12.264	26.416	23.165	24.917	33.367
2	Sb	.00417	.01199	-.00176	.00369	.00372	.00899
3	As	.00143	.15098	.03335	.08875	.07822	.15370
4	Ba	.07067	1.2072	.36916	.86020	.99680	1.1537
5	Be	.00084	.02330	.00820	.01135	.01288	.02231
6	Cd	-.00163	.00591	.02050	.00387	.00490	.00461
7	Ca	6.1463	22.911	27.411	12.693	18.566	14.849
8	Cr	.12327	.15012	.25993	.15118	.15403	.14196
9	Co	.01478	.00470	.01818	.00849	.01118	.00642
10	Cu	.01781	.30545	.13083	.19443	.13369	.30968
11	Fe	78.705	75.630	116.27	137.15	136.11	162.55
12	Pb	.01332	3.3097	.62459	1.8895	2.1288	4.7130
13	Mg	15.327	L-5.7188	14.755	5.6897	5.7639	L-5.9829
14	Mn	1.5401	H13.508	6.6308	9.2813	9.3629	4.2931
15	Ni	.00623	.00860	.03264	.01556	.01715	.01047
16	K_	7.6870	1.7678	6.3615	4.2608	4.0536	2.1645
17	Se	.00010	L-1.5775	L-.04362	L-.26294	L-.36159	L-1.8309
18	Ag	.00012	-.00830	-.00297	-.00470	.00048	-.01554
19	Na	2.1367	3.7450	3.2248	1.8617	2.2309	2.5442
20	Tl	-.00659	L-.08951	-.00282	-.01458	L-.02417	L-.09192
21	V_	.06976	.03858	.08314	.05612	.06170	.05248
22	Zn	.09857	2.7578	8.1474	2.3959	2.8227	2.0487

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#	Element	040'7-25	CCV	CCB	040'7-26	040'7-27	040'7-29
1	Al	17.550	49.945	.02627	19.485	21.438	55.856
2	Sb	.00478	.49198	.00444	.00497	.00842	.00580
3	As	.24669	.50020	.00237	.03435	.03603	.09881
4	Ba	.31257	.47943	.00004	.52416	.48110	.43791
5	Be	.00616	.51269	.00015	.00832	.00833	.01543
6	Cd	.00014	.48901	-.00008	-.00100	-.00080	-.00013
7	Ca	3.1610	51.265	.03859	3.7141	3.6128	12.691
8	Cr	.07054	.48959	.00035	.09796	.11017	.18535
9	Co	.00354	.48599	.00001	.00483	.00615	.04069
10	Cu	.07617	.50281	.00026	.04055	.04212	.13766
11	Fe	90.884	20.855	.01409	112.16	114.38	175.91
12	Pb	1.0887	.50394	-.00097	.61532	.57655	2.3971
13	Mg	-.78568	51.482	-.00852	2.0412	3.3632	40.519
14	Mn	4.0403	.49280	.00064	3.5921	3.5464	7.4904
15	Ni	.00579	.48079	.00101	.00576	.00532	.04961
16	K_	1.1374	20.572	.33840	2.3304	3.2792	4.9159
17	Se	L-.38330	.51164	.00326	L-.12121	L-.11745	L-.45839
18	Ag	.00271	.49681	.00087	-.00487	-.00525	-.00877
19	Na	1.5166	20.748	.00080	1.1500	1.2499	1.9750
20	Tl	-.01528	.52159	-.00174	-.00203	-.00472	L-.02923
21	V_	.02443	.50441	-.00011	.02975	.03482	.22424
22	Zn	1.0219	.50008	-.00373	.91255	1.0661	1.6631

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#	Element	040'7-30	040'7-9A	CRI	ICSA	ICSAB	CCV
1	Al	56.106	4.2030	.43812	493.06	497.11	49.984
2	Sb	.00239	-.00123	.13303	.00274	.58835	.49565
3	As	.04713	.00603	.01002	.00289	.10650	.50936
4	Ba	.46752	.30261	.39438	.00077	.47148	.48234
5	Be	.01631	.00165	.01057	.00119	.48207	.51839
6	Cd	.00115	-.00076	.00995	-.00087	.90841	.49756
7	Ca	11.875	.21504	9.6400	520.64	523.29	52.004
8	Cr	.23072	.08849	.02009	-.00020	.46013	.49640
9	Co	.04042	.00087	.10251	.00362	.46126	.49294
10	Cu	.12715	.00319	.05017	-.00099	.53171	.50443
11	Fe	160.95	29.787	.18899	207.53	209.36	21.074
12	Pb	1.2843	.07899	.00624	-.00200	.04809	.50915
13	Mg	44.644	.02920	10.075	523.55	527.00	51.989
14	Mn	6.6634	.15375	.03121	.00793	.47698	.49728
15	Ni	.06166	.00298	.08204	.00334	.88891	.48741
16	K_	5.4810	1.8004	9.0846	.33171	.27151	20.650
17	Se	L-.43993	.00043	.01240	-.00172	.05533	.51733
18	Ag	-.00664	-.00112	.01999	.00033	.20678	.50028
19	Na	2.1376	1.1534	8.9688	.13792	.10410	20.792
20	Tl	L-.02473	-.00214	.01972	.00034	.10042	.51879
21	V_	.22009	.00157	.10405	.00533	.48958	.50961
22	Zn	1.4622	.08330	.04274	.00975	.92588	.50983

#	Element	CCB	IP0'-2MB	IP0'2LCS	040'06-1	040'06-2	040'06-3
			-0712 →		-206	→	
1	Al	.05542	.00368	2.1497	.00409	.01158	.00520
2	Sb	-.00171	.00268	.49502	.00376	-.00009	.00311
3	As	-.00104	.00026	2.1047	.00059	.00201	-.00019
4	Ba	.00000	-.00010	1.8967	.03690	.01259	.06975
5	Be	.00018	.00009	.05347	.00017	.00023	.00018
6	Cd	-.00018	-.00032	.05048	-.00050	-.00052	-.00065
7	Ca	.06013	.01617	39.338	83.686	176.76	87.219
8	Cr	.00045	-.00024	.19445	-.00028	.00008	-.00066
9	Co	-.00001	.00060	.49032	-.00018	.00045	.00022
10	Cu	.00051	.00032	.24682	.00059	.00118	-.00007
11	Fe	.02215	-.00118	.90411	.00348	-.00235	.05796
12	Pb	.00019	-.00034	.51657	-.00345	-.00296	-.00142
13	Mg	.02161	-.03241	40.004	14.306	35.585	15.088
14	Mn	.00026	-.00021	.49398	.00142	.00679	.47648
15	Ni	.00039	.00078	.48911	.00121	.00162	.00211
16	K_	.38728	.37579	36.453	2.2449	2.6107	1.7580
17	Se	.00042	-.00186	2.2339	.00253	.00826	.00205
18	Ag	.00086	.00096	.04886	.00076	.00069	.00002
19	Na	.00152	-.01011	37.005	99.019	C.00000	H123.10
20	Tl	.00211	.00211	2.1114	.00212	.00634	.00664
21	V_	.00001	.00040	.51377	.00170	.00780	.00001
22	Zn	-.00373	-.00373	.50716	.00127	-.00320	.00000

#	Element	040'45-1	040'5-1D	040'L 5X	040'-1MS	040'1MSD	CCV
		-245	→				
1	Al	.01025	.01053	.00261	2.1700	2.1511	49.990
2	Sb	-.00187	.00304	.00071	.49169	.48408	.49255
3	As	.00158	.00327	.00071	2.0938	2.0808	.51477
4	Ba	.02346	.02333	.00469	1.8754	1.8605	.48329
5	Be	.00014	.00014	.00004	.05253	.05213	.51586
6	Cd	-.00045	-.00067	-.00068	.04844	.04822	.49888
7	Ca	67.430	66.941	13.022	107.76	107.12	51.748
8	Cr	.00004	-.00017	-.00055	.18924	.18744	.49476
9	Co	.00015	-.00003	-.00025	.48035	.47502	.49291
10	Cu	.00050	.00013	-.00012	.24682	.24464	.50231
11	Fe	.00181	-.00437	-.00457	.88047	.86285	21.058
12	Pb	-.00266	-.00129	-.00115	.50216	.50281	.50403
13	Mg	12.164	12.078	2.4912	51.447	51.110	51.830
14	Mn	.00082	.00049	-.00002	.48250	.47845	.49685
15	Ni	.00142	.00108	.00056	.47215	.47009	.48577
16	K_	1.8834	1.8467	.54055	45.526	45.110	20.763
17	Se	-.00111	-.00239	.00016	2.2471	2.2223	.52030
18	Ag	.00066	.00027	-.00012	.04960	.04861	.49887
19	Na	H107.59	H106.57	20.939	H169.07	H167.80	20.890
20	Tl	.00181	.00543	-.00115	2.1033	2.0953	.52512
21	V_	.00079	.00092	-.00024	.50285	.49869	.50675
22	Zn	-.00280	-.00160	-.00253	.49247	.48846	.50876

ignore Flags-wrong deck tabe

#	Element	CCB	040'45-2	040'45-3	040'45-5	040'45-6	040'2 5X
			-245	→			-206 2
1	Al	.03670	.01435	.01567	.01228	.00535	.00426
2	Sb	.00038	.00485	.00265	.00163	-.00013	.00158
3	As	.00311	.00236	.00363	.00356	.00028	-.00150
4	Ba	.00015	.03264	.07423	.09020	.00040	.00246
5	Be	.00019	.00019	.00019	.00019	.00004	.00013
6	Cd	-.00030	-.00056	-.00058	-.00051	-.00063	-.00049
7	Ca	.04989	H59.712	76.626	87.249	.04004	34.511
8	Cr	.00010	-.00005	-.00049	-.00044	-.00053	-.00026
9	Co	-.00013	.00034	.00079	.00067	-.00047	-.00007
10	Cu	.00006	.00080	.00497	.00137	-.00010	.00030
11	Fe	.01015	-.00352	.04366	.00174	-.00906	-.01163
12	Pb	-.00092	-.00179	-.00186	-.00233	-.00173	-.00126
13	Mg	.00207	H20.185	17.719	18.737	-.03241	7.4071
14	Mn	.00026	.00506	.12697	.28549	.00093	.00129
15	Ni	.00091	.00100	.00184	.00118	.00011	.00050
16	K_	.33117	H2.5974	4.4810	4.2730	.29104	.69360
17	Se	-.00169	-.00107	.00007	.00089	.00093	-.00070
18	Ag	.00081	.00101	.00026	.00065	.00010	.00060
19	Na	.02638	H98.431	50.601	57.320	.02225	38.166
20	Tl	.00424	.00484	.00432	.00198	.00632	.00211
21	V_	.00027	.00273	.00299	.00312	-.00050	.00144
22	Zn	-.00360	-.00360	.00013	.00000	-.00173	-.00360

#	Element	040'3 5X	040'1 5X	040'D 5X	040' 25X	040'S 5X	CCV
		~206		~245			
		3	1	1D	1L	1MS	
1	Al	.00218	.00275	.00322	-.00139	.43810	50.439
2	Sb	.00116	-.00015	.00325	.00500	.11291	.49566
3	As	.00196	.00265	.00179	.00112	.41786	.51561
4	Ba	.01425	.00471	.00465	.00085	.39346	.48500
5	Be	.00009	.00009	.00007	.00002	.01072	.51744
6	Cd	-.00060	-.00030	-.00046	-.00038	.00989	.49788
7	Ca	17.078	13.043	13.002	2.5263	21.072	51.737
8	Cr	-.00039	.00018	-.00018	-.00043	.03881	.49489
9	Co	-.00019	.00023	-.00025	-.00023	.09934	.49288
10	Cu	.00018	.00074	.00029	.00041	.04922	.50648
11	Fe	.00514	.00019	-.00532	-.00174	.16768	21.127
12	Pb	-.00180	-.00163	-.00106	-.00221	.10320	.51362
13	Mg	3.1342	2.4961	2.4918	.49067	10.614	52.051
14	Mn	.09924	.00007	-.00003	-.00008	.10077	.49802
15	Ni	.00069	.00118	.00061	-.00007	.09964	.48566
16	K_	.57637	.61741	.57329	.31590	8.7813	20.925
17	Se	-.00028	-.00088	.00139	-.00472	.43733	.52897
18	Ag	.00044	.00113	.00097	.00042	.00968	.50089
19	Na	23.050	20.494	20.429	4.1764	28.519	21.101
20	Tl	-.00138	.00120	.00152	.00095	.42913	.53090
21	V_	-.00063	.00053	.00040	.00001	.10496	.50831
22	Zn	-.00307	-.00054	-.00453	-.00054	.10006	.50742

#	Element	CCB	040'D 5X	IPO'-1MB	IPO'1LCS	040'1 5X	040'2 5X
			~245			~258	
			1MSD	~0712	→	1	2
1	Al	.03642	.44019	.01396	1.9611	10.647	11.540
2	Sb	-.00124	.11544	.00228	.47348	.00319	.00130
3	As	.00033	.41520	.00134	2.0166	.11353	.03384
4	Ba	.00004	.38809	-.00001	1.9118	.18622	.21399
5	Be	.00019	.01064	.00005	.05215	.00086	.00095
6	Cd	-.00003	.00989	-.00048	.05024	.00209	.00188
7	Ca	.04488	20.960	.05541	L.03442	9.8723	10.252
8	Cr	-.00006	.03958	.00042	.19763	.02029	.02160
9	Co	-.00044	.09946	-.00001	.49540	.00798	.00917
10	Cu	.00018	.04891	.00014	.24697	.03362	.03938
11	Fe	.00960	.18121	.00958	.92992	20.144	24.094
12	Pb	-.00096	.10147	.00031	.51137	.44511	.28913
13	Mg	-.00260	10.528	-.02776	L-.03410	4.1058	4.7498
14	Mn	.00019	.10000	.00043	.49860	.42488	.47600
15	Ni	.00136	.10000	.00096	.50170	.01419	.01593
16	K_	.31445	8.6467	.29287	L.26554	3.8886	4.5063
17	Se	-.00086	.43702	.00099	2.0301	-.00202	-.00351
18	Ag	.00057	.01093	.00039	L.00040	.00051	.00089
19	Na	.00875	28.072	.02845	L.00854	.12719	.11984
20	Tl	.00094	.43404	-.00028	2.0246	-.00527	-.00165
21	V_	-.00037	.10392	.00001	.49257	.03274	.03780
22	Zn	-.00360	.09911	.00601	.50409	.24275	.28202

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#	Element	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X	CCV
		3	4	5	6	7	
1	Al	12.444	11.948	12.109	12.142	11.339	50.172
2	Sb	.00547	-.00024	.00421	.00732	.00444	.49092
3	As	.09074	.07077	.08342	.01268	.01806	.51510
4	Ba	.23915	.22879	.23115	.20112	.19186	.48407
5	Be	.00104	.00096	.00097	.00096	.00092	.51639
6	Cd	.00265	.00186	.00217	.00055	.00086	.49853
7	Ca	8.0073	9.2239	6.8492	7.7563	6.4283	51.683
8	Cr	.05154	.04696	.04601	.02262	.02136	.49397
9	Co	.00905	.00883	.00908	.00976	.00907	.49241
10	Cu	.03818	.03466	.03575	.02420	.02710	.50431
11	Fe	23.991	23.073	24.026	23.836	23.147	21.052
12	Pb	.36596	.28575	.27722	.08206	.11989	.50864
13	Mg	4.4343	4.1944	4.2644	4.7236	4.4438	51.950
14	Mn	.45649	.53407	.43990	.45589	.48305	.49702
15	Ni	.01620	.01487	.01609	.01625	.01499	.48529
16	K_	4.1608	4.1094	4.0556	4.3061	4.6105	20.797
17	Se	.00324	-.00189	-.00194	.00202	.00139	.52460
18	Ag	.00113	.00084	.00095	.00060	.00049	.50015
19	Na	.17050	.15629	.17279	.13670	.13016	20.995
20	Tl	.00397	.00243	.00428	-.00292	.00121	.52166
21	V_	.03871	.03741	.03910	.03871	.03663	.50857
22	Zn	.37168	.37382	.35296	.16676	.20720	.50702

#	Element	CCB	CRI	ICSA	ICSAB	CCV	CCB
1	Al	.03511	.44788	501.74	502.87	50.287	.05888
2	Sb	-.00113	.13393	.00624	.59344	.49304	-.00176
3	As	-.00109	.01377	-.00049	.10177	.52041	.00062
4	Ba	.00004	.39914	.00106	.47446	.48410	.00005
5	Be	.00018	.01069	.00136	.48284	.51966	.00025
6	Cd	-.00032	.01025	-.00001	.91254	.50063	-.00026
7	Ca	.03731	9.7715	522.18	524.95	52.153	.06225
8	Cr	.00000	.02001	.00020	.46186	.49676	.00000
9	Co	.00008	.10344	.00359	.46382	.49602	.00008
10	Cu	.00020	.05037	.00023	.53461	.50475	.00024
11	Fe	.00849	.16923	210.27	210.95	21.178	.01983
12	Pb	-.00064	.00762	-.00397	.04916	.51149	-.00095
13	Mg	-.01000	10.231	527.91	529.13	52.261	.02429
14	Mn	.00013	.03131	.00813	.48060	.49998	.00018
15	Ni	.00065	.08293	.00363	.88910	.48869	.00082
16	K_	.34087	9.2240	.43763	.22701	20.791	.30202
17	Se	.00181	.00894	-.00042	.05424	.53034	-.00140
18	Ag	.00064	.01999	.00069	.20796	.50181	.00060
19	Na	.00187	9.1721	.23621	.10126	21.018	.00229
20	Tl	.00454	.02415	-.00056	.10077	.52286	.00152
21	V_	.00014	.10496	.00533	.49296	.51130	-.00050
22	Zn	-.00347	.04355	.01471	.92881	.51143	-.00373

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#	Element	040'8 5X	040'9 5X	040'0 5X	040'1 5X	040'2 5X	040'3 5X
		8	9	10	11	12	13
1	Al	11.772	11.257	10.985	10.637	9.6540	9.4098
2	Sb	.00372	.00565	.00350	.01197	.00332	.00269
3	As	.01477	.19653	.21516	.40013	.00874	.01256
4	Ba	.22043	.24377	.23746	.26891	.19674	.20038
5	Be	.00093	.00164	.00086	.00086	.00086	.00092
6	Cd	.00062	.00218	.00261	.00252	.00202	.00249
7	Ca	7.5854	6.5859	6.9005	7.2748	5.9984	10.447
8	Cr	.02309	.03029	.03170	.03413	.02151	.02030
9	Co	.00951	.00750	.00803	.01127	.00733	.00702
10	Cu	.02486	.03025	.03640	.03995	.04043	.03594
11	Fe	23.218	20.990	21.378	21.169	19.765	19.609
12	Pb	.11379	.44457	.52018	1.1417	.13791	.15080
13	Mg	4.5692	3.7282	3.8622	4.2037	3.3176	4.7138
14	Mn	.46506	.40288	.42053	.45309	.43639	.44576
15	Ni	.01607	.01366	.01483	.01388	.01317	.01372
16	K_	4.1894	3.6828	3.7089	3.9477	3.3470	3.2208
17	Se	-.00364	.00009	-.00016	.00019	-.00047	-.00134
18	Ag	.00048	.00029	.00088	.00071	.00161	.00055
19	Na	.16225	.27351	.16140	.14384	.18162	.18751
20	Tl	-.00084	-.00380	.00016	.00127	-.00369	-.00257
21	V_	.03767	.03274	.03482	.03326	.03079	.03157
22	Zn	.17684	.23377	.29756	.32112	.20814	.22666

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#	Element	040'D 5X	040' 25X	040'S 5X	040'D 5X	CCV	CCB
		13D	13L	13MS	13MSD		
1	Al	8.9365	1.9311	14.101	13.206	50.347	.03396
2	Sb	.00195	.00130	.05675	.05907	.49378	.00121
3	As	.00679	.00511	.41671	.41277	.51430	-.00145
4	Ba	.18062	.04050	.57884	.57198	.48391	.00004
5	Be	.00078	.00020	.01150	.01140	.51842	.00019
6	Cd	.00216	.00015	.01275	.01224	.49974	-.00018
7	Ca	9.0616	2.0269	8.7596	7.8961	51.898	.03715
8	Cr	.01947	.00396	.06311	.06072	.49619	.00008
9	Co	.00654	.00136	.10671	.10646	.49338	-.00051
10	Cu	.03346	.00730	.08952	.08444	.50495	.00011
11	Fe	17.966	3.7510	22.383	20.406	21.130	-.00037
12	Pb	.14558	.03170	.26007	.25000	.51013	-.00066
13	Mg	3.0904	.94416	4.0374	3.6411	52.186	-.01211
14	Mn	.38111	.09016	.53633	.51724	.49854	.00010
15	Ni	.01156	.00231	.11365	.11281	.48725	.00064
16	K_	2.9949	.89979	3.6716	3.5252	20.847	.29946
17	Se	-.00398	.00084	.41945	.41835	.52991	.00145
18	Ag	.00154	.00095	.00115	.00116	.50151	.00079
19	Na	.15696	.04049	.18608	.18746	21.188	-.00136
20	Tl	.00056	-.00077	.41115	.41582	.52457	-.00140
21	V_	.02910	.00624	.13459	.13212	.50948	-.00011
22	Zn	.21485	.04355	.32901	.33490	.50863	-.00413

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#	Element	040'4 5X	040'5 5X	040'6 5X	040'7 5X	040'8 5X	040'9 5X
		14	15	16	17	18	19
1	Al	8.5436	10.017	10.180	8.8930	11.172	11.168
2	Sb	.00329	.00150	.00282	-.00166	.00073	.00158
3	As	.00425	.01115	.00981	.01008	.00913	.00761
4	Ba	.16455	.23502	.20519	.18710	.23503	.22590
5	Be	.00077	.00086	.00089	.00074	.00091	.00085
6	Cd	.00095	.00105	.00069	.00078	.00203	.00376
7	Ca	5.8305	8.2378	6.2715	5.5806	6.5941	6.7442
8	Cr	.01733	.02139	.02019	.01780	.02379	.02668
9	Co	.00648	.00728	.00764	.00745	.00887	.00877
10	Cu	.02896	.03339	.02910	.02765	.08015	.03734
11	Fe	18.432	20.195	20.850	18.604	22.180	22.233
12	Pb	.10223	.19306	.13598	.13802	.24480	.51711
13	Mg	2.8636	3.4899	3.4657	3.0096	3.7496	3.7048
14	Mn	.35290	.50504	.48560	.42501	.52503	.48328
15	Ni	.01156	.01242	.01361	.01143	.01546	.01632
16	K_	3.1728	3.5995	3.5626	3.1356	4.0471	3.9143
17	Se	.00191	-.00063	-.00030	.00314	.00092	-.00092
18	Ag	.00097	.00031	.00046	.00031	.00080	.00088
19	Na	.23195	.56114	.29364	.19578	.21449	.20170
20	Tl	-.00254	.00213	.00479	.00023	-.00268	-.00153
21	V_	.03092	.03404	.03456	.03222	.03689	.03988
22	Zn	.15694	.37556	.28323	.26340	.31683	.32219

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#	Element	040'0 5X	IP0'-3MB	IP0'3LCS	040'1 5X	CCV	CCB
		20	-0712	→	1		
1	Al	10.776	.01998	1.9972	10.470	50.441	.05040
2	Sb	.00455	.00142	.48117	.00502	.49754	.00362
3	As	.00942	.00019	2.0388	.00883	.51917	.00179
4	Ba	.27035	-.00001	1.9424	.25081	.48657	.00012
5	Be	.00084	.00004	.05294	.00082	.52048	.00025
6	Cd	.00225	-.00042	.05210	.00334	.50468	-.00013
7	Ca	7.9898	.04407	L.02596	9.0513	52.288	.04181
8	Cr	.02572	.00038	.20222	.02243	.49910	.00041
9	Co	.00866	.00008	.50694	.00831	.49749	.00011
10	Cu	.03587	.00042	.25221	.04187	.50608	.00014
11	Fe	21.039	.02213	.95801	20.397	21.290	.00735
12	Pb	.22861	-.00067	.51536	.23508	.51565	-.00140
13	Mg	3.6342	-.03283	L-.03727	3.5399	52.494	.00143
14	Mn	.47620	.00009	.50938	.44435	.50144	.00019
15	Ni	.01643	.00019	.51188	.01489	.49217	.00090
16	K_	3.6879	.29650	L.28698	4.0192	20.884	.32571
17	Se	.00169	-.00052	2.0342	-.00262	.53561	-.00198
18	Ag	.00132	.00066	L.00047	.00061	.50265	.00092
19	Na	.15988	-.00890	L-.00191	.15916	21.239	-.00018
20	Tl	-.00345	.00126	2.0819	-.00459	.52780	.00182
21	V_	.03767	.00027	.50389	.03222	.51221	.00014
22	Zn	.33985	-.00200	.51437	.67343	.51277	-.00387

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#	Element	040'2 5X	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X
		2	3	4	5	6	7
1	Al	8.5403	9.5647	7.8181	8.9460	7.4711	12.052
2	Sb	.00555	.00226	.00073	.00005	.00301	.00293
3	As	.00550	.01065	.02888	.01344	.02350	.03684
4	Ba	.26582	.24834	.22924	.22498	.18905	.18532
5	Be	.00086	.00086	.00074	.00083	.00070	.00091
6	Cd	.00291	.00353	.00546	.00480	.00567	.00118
7	Ca	14.463	10.087	7.9604	7.9204	5.8265	5.6418
8	Cr	.01965	.02127	.01823	.02133	.01739	.03041
9	Co	.00673	.00778	.00625	.00706	.00642	.00903
10	Cu	.03940	.04541	.03647	.06072	.03733	.02340
11	Fe	18.397	19.659	18.018	22.613	16.745	23.660
12	Pb	.28255	.24430	.54496	.29891	.26975	.16360
13	Mg	3.5464	3.5211	2.7311	3.3136	2.7002	4.2620
14	Mn	.46344	.44727	.41545	.43783	.39716	.42962
15	Ni	.01403	.01478	.01036	.01322	.01026	.01442
16	K_	4.0556	4.4305	3.3209	4.0420	3.2945	4.1281
17	Se	.00350	-.00131	.00100	-.00213	-.00347	-.00610
18	Ag	.00079	.00129	.00033	.00088	.00052	.00023
19	Na	.15862	.22950	.13118	.14106	.10769	.11806
20	Tl	-.00014	-.00229	-.00002	-.00111	-.00201	.00139
21	V_	.03014	.03196	.02832	.03222	.02689	.03884
22	Zn	.54667	.63114	.45655	.45321	.42328	.16232

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#	Element	040'8 5X	040'9 5X	040'0 5X	040'1 5X	CCV	CCB
		8	9	10	11		
1	Al	11.026	11.552	8.3199	8.8514	50.447	.05025
2	Sb	.00421	.00226	.00095	.00362	.49684	.00039
3	As	.03118	.03642	.00851	.00807	.51861	.00136
4	Ba	.17928	.19262	.26851	.22961	.48484	.00012
5	Be	.00082	.00087	.00077	.00078	.51639	.00027
6	Cd	.00106	.00126	.00194	.00192	.49910	-.00013
7	Ca	6.8456	8.7370	9.4704	8.9821	51.917	.04391
8	Cr	.02671	.02653	.01879	.01754	.49574	.00021
9	Co	.00853	.00879	.00689	.00737	.49478	-.00044
10	Cu	.02652	.02277	.04247	.04120	.50414	.00030
11	Fe	21.496	22.516	16.709	18.966	21.118	.01640
12	Pb	.17009	.16440	.30717	.25541	.51239	-.00029
13	Mg	4.1077	4.3581	2.8510	3.0273	52.185	-.00175
14	Mn	.41405	.46849	.54991	.49170	.49853	.00022
15	Ni	.01448	.01477	.01015	.01104	.48568	.00119
16	K_	3.7029	4.0880	3.1149	3.8538	20.892	.30310
17	Se	.00069	.00041	-.00118	-.00093	.52719	.00083
18	Ag	.00048	.00030	.00077	.00130	.50142	.00091
19	Na	.12867	.12598	.13339	.28120	21.289	-.00067
20	Tl	-.00033	-.00286	.00249	-.00052	.52427	.00333
21	V_	.03612	.03728	.02962	.03209	.50935	.00027
22	Zn	.16286	.21861	.35470	.41566	.50729	-.00333

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#	Element	040'2 5X	040'3 5X	040'D 5X	040' 25X	040'S 5X	040'D 5X
		12	13	13D	13L	13MS	13MSD
1	Al	8.3595	9.1540	9.9826	1.8692	13.759	13.545
2	Sb	.00231	-.00075	.00510	.00003	.06097	.06662
3	As	.00714	.01011	.01187	.00252	.41692	.42480
4	Ba	.20817	.22987	.28896	.04595	.63563	.62943
5	Be	.00078	.00078	.00091	.00018	.01138	.01140
6	Cd	.00164	.00162	.00209	-.00005	.01193	.01203
7	Ca	9.6670	6.0141	8.1508	1.1733	6.9364	6.4195
8	Cr	.01611	.01871	.02264	.00360	.06148	.06224
9	Co	.00596	.00653	.00798	.00155	.10707	.10794
10	Cu	.03940	.03603	.04486	.00707	.08877	.08909
11	Fe	16.255	19.574	22.434	3.7381	22.858	23.590
12	Pb	.31619	.28018	.37345	.05596	.40976	.40791
13	Mg	2.7480	3.0545	3.9385	.60399	3.7450	3.6041
14	Mn	.40000	.50730	.64334	.10222	.66633	.64796
15	Ni	.01005	.01170	.01236	.00239	.11227	.11376
16	K_	3.3047	3.2391	3.3557	.89551	3.8149	3.7258
17	Se	.00011	.00190	-.00054	-.00030	.42300	.42552
18	Ag	.00065	.00070	.00111	.00048	.00115	.00051
19	Na	.34376	.16032	.17410	.01880	.21426	.16156
20	Tl	-.00165	.00278	-.00164	.00075	.41747	.41861
21	V_	.02702	.03235	.03547	.00637	.13692	.13627
22	Zn	.33838	.48366	.81453	.09452	.63754	.63301

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#	Element	040'4 5X	040'5 5X	040'6 5X	040'7 5X	CCV	CCB
		14	15	16	17		
1	Al	9.4879	9.9980	12.497	13.265	50.317	.04234
2	Sb	.00246	.00723	.00242	.00204	.49530	-.00081
3	As	.00732	.00999	.07218	.05244	.51765	.00074
4	Ba	.24537	.25036	.19446	.21208	.48382	-.00004
5	Be	.00086	.00085	.00096	.00101	.51732	.00018
6	Cd	.00148	.00175	.00088	.00145	.50035	-.00028
7	Ca	7.1442	7.0346	13.019	9.2479	52.005	.03394
8	Cr	.02111	.02370	.05291	.04952	.49680	-.00052
9	Co	.00759	.00750	.00901	.01197	.49493	-.00069
10	Cu	.04700	.04212	.02571	.03494	.50448	-.00018
11	Fe	21.677	21.918	24.258	36.295	21.143	.00514
12	Pb	.32723	.29817	.12366	.09284	.51633	-.00149
13	Mg	3.3500	3.4371	5.1025	5.3018	52.289	-.01592
14	Mn	.62987	.57410	.47816	.55728	.49878	.00002
15	Ni	.01245	.01312	.01724	.02408	.48959	.00010
16	K_	3.3751	3.4718	4.6953	4.9086	20.844	.28000
17	Se	-.00146	-.00386	-.00618	-.00136	.52941	-.00238
18	Ag	.00076	.00096	.00028	.00058	.50224	-.00004
19	Na	.36845	.19626	.18126	.17029	21.237	-.00452
20	Tl	-.00253	.00105	-.00504	-.00334	.52227	-.00463
21	V_	.03508	.03612	.04014	.04196	.50974	-.00037
22	Zn	.63047	.54707	.18705	.21418	.50876	-.00413

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#	Element	040'8 5X	040'9 5X	040'0 5X	040'A 5X	CRI	ICSA
		18	19	20	13A		
1	Al	13.534	14.463	13.085	9.0709	.45656	498.54
2	Sb	.00454	.00469	.00685	.95884	.13422	.00539
3	As	.04343	.00746	.00822	1.0290	.01234	.00427
4	Ba	.21028	.21579	.19435	.22707	.39610	.00107
5	Be	.00101	.00102	.00097	1.0317	.01056	.00142
6	Cd	.00146	.00127	.00133	1.0130	.01010	.00046
7	Ca	9.4798	8.0456	7.1117	6.9069	9.6406	517.21
8	Cr	.04630	.02516	.02354	1.0171	.02014	-.00056
9	Co	.01072	.00964	.00950	1.0085	.10158	.00368
10	Cu	.03538	.02921	.02797	1.0337	.05099	.00020
11	Fe	25.904	27.322	24.448	20.375	.18168	208.09
12	Pb	.15416	.13726	.11482	1.2965	.00501	.00035
13	Mg	5.1585	4.7327	4.3793	4.0253	10.102	524.77
14	Mn	.51299	.51497	.47169	1.5006	.03125	.00820
15	Ni	.01866	.01645	.01600	1.0022	.08329	.00504
16	K_	4.7498	4.9198	4.6501	3.2464	9.2272	.46403
17	Se	.00000	.00114	-.00077	1.0317	.00905	-.00102
18	Ag	.00068	.00063	.00082	.00099	.02014	.00015
19	Na	.16218	.11811	.16494	.14825	9.2209	.25771
20	Tl	.00118	-.00033	-.00094	1.0350	.02268	-.00200
21	V_	.04456	.04495	.04222	1.0513	.10353	.00507
22	Zn	.37783	.18665	.17066	1.4840	.04668	.01540

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#	Element	ICSAB	CCV	CCB	IPO'-4MB	IPO'4LCS	040'1 5X
					-0712	→	1
1	Al	498.28	50.052	.06359	.03223	1.9962	13.127
2	Sb	.58528	.49036	.00189	-.00044	.47680	.00145
3	As	.09849	.51242	.00050	.00086	2.0140	.00953
4	Ba	.46959	.47882	.00002	-.00009	1.9224	.20591
5	Be	.47379	.50726	.00021	.00004	.05205	.00101
6	Cd	.89680	.48771	-.00011	-.00035	.05066	.00110
7	Ca	516.79	51.118	.05233	.05818	L.05606	7.9329
8	Cr	.45504	.48759	.00010	-.00022	.19940	.02283
9	Co	.45784	.48444	.00023	.00014	.49721	.00985
10	Cu	.53103	.50062	.00020	.00003	.24879	.02549
11	Fe	207.43	20.717	.01866	.00899	.96275	23.781
12	Pb	.04847	.50489	-.00068	-.00072	.51182	.10376
13	Mg	522.95	51.350	.01080	-.02882	L-.03157	4.4061
14	Mn	.47409	.49107	.00011	-.00002	.50106	.49115
15	Ni	.87967	.47801	.00069	.00091	.50112	.01553
16	K_	.26965	20.853	.28364	.21801	L.26595	4.6319
17	Se	.04852	.52486	.00296	-.00256	2.0471	.00467
18	Ag	.20687	.49769	.00079	.00081	L.00061	.00082
19	Na	.12107	21.288	-.00485	-.01038	L.00217	.12073
20	Tl	.09379	.52240	.00151	.00090	2.0455	.00006
21	V_	.48555	.50298	.00014	-.00024	.49543	.04131
22	Zn	.91455	.49594	-.00360	-.00267	.50342	.14496

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#	Element	040'2 5X	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X
		2	3	4	5	6	7
1	Al	12.407	12.600	12.027	11.609	11.366	10.983
2	Sb	.00343	.00080	.00214	.00384	.00320	.00047
3	As	.01220	.01155	.00922	.00519	.00572	.00814
4	Ba	.24231	.23792	.23508	.18518	.17842	.17786
5	Be	.00100	.00098	.00093	.00085	.00085	.00084
6	Cd	.00078	.00041	.00085	.00115	.00114	.00120
7	Ca	8.8583	11.226	9.2323	6.3348	5.7530	6.1936
8	Cr	.02635	.03121	.02398	.02541	.02176	.02145
9	Co	.00968	.00955	.00915	.00826	.00860	.00757
10	Cu	.03202	.03690	.02831	.02287	.02318	.02236
11	Fe	24.067	28.134	22.748	22.270	21.537	21.232
12	Pb	.10974	.10421	.12006	.15561	.15007	.12845
13	Mg	4.5741	5.0281	4.3039	4.0136	3.7868	3.8383
14	Mn	.47220	.53880	.43864	.38128	.39082	.39821
15	Ni	.01828	.01755	.01620	.01460	.01431	.01357
16	K_	4.4936	4.5029	4.4302	3.6279	3.5911	3.5082
17	Se	.00171	-.00187	-.00007	.00163	-.00105	.00273
18	Ag	.00023	.00031	.00057	.00081	.00108	.00022
19	Na	.16803	.16733	.18059	.12269	.13342	.12395
20	Tl	-.00133	-.00455	.00193	-.00128	-.00066	-.00195
21	V_	.03988	.04053	.03897	.03806	.03780	.03702
22	Zn	.20787	.21539	.25522	.29608	.26728	.22988

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#	Element	040'8 5X	CCV	CCB	040'9 5X	040'0 5X	040'1 5X
		8			9	10	11
1	Al	12.746	49.683	.07758	12.217	12.155	10.373
2	Sb	.00405	.48782	.00157	.00150	.00508	.00454
3	As	.00561	.51208	-.00076	.00902	.00951	.01528
4	Ba	.23229	.48007	.00001	.22335	.22968	.28395
5	Be	.00098	.50536	.00025	.00096	.00098	.00081
6	Cd	.00120	.49097	-.00040	.00171	.00142	.00131
7	Ca	12.926	50.988	.05785	14.349	14.535	7.0043
8	Cr	.02262	.48793	-.00029	.02208	.02358	.01854
9	Co	.00877	.48690	-.00051	.00923	.01200	.00798
10	Cu	.02865	.49708	-.00025	.02924	.02926	.02444
11	Fe	24.432	20.739	.01356	24.742	24.689	19.850
12	Pb	.13765	.50401	-.00040	.22895	.14294	.25670
13	Mg	4.7011	51.263	.01600	4.4782	4.7689	3.4351
14	Mn	.51398	.49032	.00009	.48181	.51241	.39110
15	Ni	.01750	.48005	.00056	.01621	.01866	.01227
16	K_	4.7119	20.735	.29580	4.5959	4.5562	3.8017
17	Se	.00216	.52890	-.00153	.00066	-.00020	-.00066
18	Ag	-.00008	.49624	.00041	.00005	.00084	.00068
19	Na	.25148	21.092	-.00514	.18951	.18062	.13836
20	Tl	-.00380	.51693	.00067	-.00110	.00042	.00193
21	V_	.04456	.50038	-.00011	.04391	.04404	.03689
22	Zn	.28523	.49594	-.00360	.20599	.20518	.20841

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#	Element	040'D 5X	040' 25X	040'S 5X	040'D 5X	040'2 5X	040'3 5X
		11D	11L	11MS	11MSD	12	13
1	Al	10.276	2.1585	14.904	14.640	9.7891	9.7414
2	Sb	.00300	.00395	.05883	.05755	.00249	.00175
3	As	.01271	.00396	.41317	.41995	.01741	.01762
4	Ba	.28173	.05752	.68611	.70917	.16810	.18950
5	Be	.00079	.00018	.01112	.01122	.00075	.00075
6	Cd	.00131	-.00002	.01133	.01122	.00140	.00131
7	Ca	7.3870	1.3582	6.9722	7.8455	5.5544	6.1295
8	Cr	.01754	.00348	.06015	.05991	.01924	.01876
9	Co	.00736	.00181	.10491	.10613	.00757	.00711
10	Cu	.02631	.00473	.07512	.07514	.02523	.02348
11	Fe	19.609	3.7800	22.036	21.270	19.615	19.087
12	Pb	.26004	.05236	.37248	.36394	.27835	.28449
13	Mg	3.3986	.68348	3.8856	3.7880	3.1269	3.2167
14	Mn	.39294	.07893	.50858	.49475	.41302	.40938
15	Ni	.01245	.00244	.11190	.11288	.01255	.01208
16	K_	3.7857	1.0183	4.2506	4.2081	3.4274	3.6610
17	Se	-.00134	-.00235	.42140	.41938	.00250	-.00046
18	Ag	.00055	.00086	.00037	.00055	.00052	.00009
19	Na	.13563	.01160	.15523	.15890	.07510	.34003
20	Tl	-.00147	-.00014	.41647	.40750	-.00463	.00048
21	V_	.03495	.00780	.13666	.13822	.03287	.03183
22	Zn	.21646	.03892	.32259	.32741	.25401	.22397

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#	Element	040'4 5X	CCV	CCB	040'5 5X	040'6 5X	040'7 5X
		14			15	16	17
1	Al	10.902	50.049	.08355	10.829	10.895	10.193
2	Sb	.00180	.49432	-.00043	.00056	.00209	.00491
3	As	.07824	.51256	.00284	.06083	.12428	.01150
4	Ba	.28513	.48379	.00007	.31226	.29345	.19225
5	Be	.00090	.50335	.00025	.00091	.00093	.00086
6	Cd	.00260	.48997	-.00033	.00331	.00304	.00146
7	Ca	7.1795	50.829	.06029	8.2152	10.540	6.6085
8	Cr	.02982	.48714	-.00005	.03140	.03314	.02518
9	Co	.00823	.48360	-.00026	.00818	.00889	.00723
10	Cu	.04983	.50054	-.00023	.05792	.05342	.03205
11	Fe	21.762	20.715	.01869	22.064	22.322	19.565
12	Pb	.28568	.50605	-.00028	.32903	.31369	.24003
13	Mg	3.5693	51.210	.02273	3.6425	3.7325	3.4096
14	Mn	.61174	.48988	.00016	.70241	.66298	.43695
15	Ni	.01353	.47864	-.00005	.01477	.01424	.01341
16	K_	3.9109	20.990	.26773	3.9611	4.0141	3.3591
17	Se	-.00385	.52244	-.00040	-.00081	-.00339	.00033
18	Ag	.00171	.49819	.00057	.00177	.00204	.00077
19	Na	.14957	21.433	-.00574	.12593	.13253	.14386
20	Tl	-.00510	.51663	.00218	.00210	-.00254	-.00377
21	V_	.03404	.50103	.00014	.03469	.03378	.03261
22	Zn	.56816	.49260	-.00373	.70450	.66956	.25468

#	Element	040'8 5X	040'9 5X	040'0 5X	040'A 5X	CRI	ICSA
1	Al	10.245	9.7751	10.144	10.465	.46881	493.50
2	Sb	.00357	-.00018	.00143	.95226	.13548	.01547
3	As	.01351	.01116	.00480	1.0164	.00904	.00023
4	Ba	.20752	.19645	.14821	.28572	.39637	.00111
5	Be	.00084	.00081	.00079	1.0088	.01044	.00142
6	Cd	.00154	.00135	.00094	.99552	.00993	-.00060
7	Ca	6.5180	8.3237	5.5036	7.8942	9.5466	510.38
8	Cr	.02601	.02405	.02371	.99743	.01971	-.00052
9	Co	.00770	.00702	.00790	.98894	.10092	.00347
10	Cu	.03510	.03074	.02134	1.0073	.04983	-.00055
11	Fe	19.656	18.309	20.000	20.759	.17743	206.15
12	Pb	.32250	.25705	.08654	1.2613	.00704	-.00062
13	Mg	3.3349	3.3689	3.5090	4.4016	10.003	519.34
14	Mn	.44229	.44072	.36509	1.3707	.03094	.00809
15	Ni	.01382	.01188	.01359	.99017	.08298	.00485
16	K_	3.3846	3.3519	3.7954	3.8512	9.2768	.45067
17	Se	.00089	.00001	.00137	1.0312	.01077	.00321
18	Ag	.00130	.00050	.00059	.00035	.01957	.00035
19	Na	.15492	.13170	.07796	.13511	9.2820	.25375
20	Tl	-.00111	-.00079	.00105	1.0162	.02031	-.00833
21	V_	.03313	.03079	.03326	1.0361	.10263	.00520
22	Zn	.32071	.28175	.13082	1.1951	.04559	.01622

#	Element	ICSAB	CCV	CCB
1	Al	490.70	49.906	.11079
2	Sb	.58997	.49648	.00188
3	As	.10420	.50855	.00081
4	Ba	.46842	.48338	.00010
5	Be	.46801	.50062	.00034
6	Cd	.89568	.48941	-.00012
7	Ca	512.41	50.815	.08191
8	Cr	.45172	.48555	-.00022
9	Co	.45491	.48353	.00004
10	Cu	.52476	.49915	-.00060
11	Fe	205.85	20.645	.02213
12	Pb	.04664	.50518	.00011
13	Mg	518.57	51.091	.04668
14	Mn	.47078	.48894	.00012
15	Ni	.87975	.48042	.00016
16	K_	.28547	20.976	.30240
17	Se	.04487	.52488	-.00099
18	Ag	.20570	.49671	.00048
19	Na	.11465	21.430	-.00522
20	Tl	.09199	.51632	.00095
21	V_	.48087	.49921	.00001
22	Zn	.90654	.49234	-.00347

Calibration Report SW 7/13/04 computer date set incorrectly 07/12/04 08:57:44 AM

Method: TRACE Standard Name: BLANK T40713A Operator:

Run Time: ~~07/12/04~~ 08:56:27

Comment: 07/13/04

Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.3599820	-.041998	-.325484	.2804860	-.029999	.8819559	-.001500
SDev	.1230304	.059394	.159091	.0784849	.063636	.0042425	.000000
%RSD	34.17683	141.4214	48.87835	27.98177	212.1320	.4810286	.0000000
#1	.2729863	.0000000	-.437978	.3359832	-.074996	.8849558	-.001500
#2	.4469777	-.083996	-.212989	.2249887	.0149993	.8789560	-.001500
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2594870	.0524974	.0824959	-.026999	-.003750	.2594870	-.016499
SDev	.0021212	.0021212	.0021212	.004242	.022273	.0084849	.019091
%RSD	.8174705	4.040610	2.571297	15.71349	593.9697	3.269858	115.7084
#1	.2579871	.0509974	.0839958	-.023999	.0119994	.2654867	-.003000
#2	.2609869	.0539973	.0809959	-.029999	-.019499	.2534873	-.029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.26878	.0269986	.0112494	9.824509	-.041248	-.064497	.0029999
SDev	.10394	.0169697	.0010606	.072122	.001061	.044546	.0042424
%RSD	.7284399	62.85393	9.428090	.7340997	2.571297	69.06624	141.4214
#1	14.19529	.0389980	.0119994	9.875506	-.040498	-.095995	.0059997
#2	14.34228	.0149993	.0104995	9.773511	-.041998	-.032998	.0000000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0959952	-.066747	.0000000	.0000000	-.037498
SDev	.0042424	.026515	.0000000	.0000000	.010606
%RSD	4.419417	39.72510	.0000000	.0000000	28.28427
#1	.0989950	-.047998	.0000000	.0000000	-.029999
#2	.0929954	-.085496	.0000000	.0000000	-.044998
Factor	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/12/04 08:58:08
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	1.472176	3.985301	.2144893	16.25769	3.781311	35.37423
SDev	.001061	.010606	.0021212	.00636	.002121	.02970
%RSD	.0720476	.2661280	.9889629	.0391394	.0560961	.0839471
#1	1.471426	3.977801	.2159892	16.25319	3.779811	35.35323
#2	1.472926	3.992800	.2129893	16.26219	3.782811	35.39523
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/12/04 08:59:31
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	28.91406	39.73451	4.495275	18.62907	37.76811	66.61166
SDev	.09121	.14636	.065758	.02970	.21212	.40303
%RSD	.3154562	.3683536	1.462814	.1594122	.5616397	.6050428
#1	28.97855	39.83801	4.541773	18.65007	37.91810	66.89665
#2	28.84956	39.63102	4.448778	18.60807	37.61812	66.32668
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: BLANK Operator:
Run Time: 07/12/04 09:02:03
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Avge	.4094795	.0164992	-.478476	.2849857	-.044998	.9449527	.0014999
SDev	.2354548	.1506062	.116667	.1103032	.038182	.0296970	.0021212
%RSD	57.50099	912.8105	24.38299	38.70480	84.85281	3.142698	141.4214
#1	.2429878	.1229939	-.560972	.3629819	-.071996	.9659517	.0000000
#2	.5759712	-.089996	-.395980	.2069896	-.017999	.9239538	.0029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2624869	.1484926	.0479976	-.009000	-.007500	.2534873	.0014999
SDev	.0021212	.0360606	.0021212	.006364	.021212	.0106061	.0190909
%RSD	.8081200	24.28447	4.419417	70.71068	282.8427	4.184065	1272.792
#1	.2639868	.1739913	.0464977	-.004500	.0074996	.2459877	.0149993
#2	.2609869	.1229939	.0494975	-.013499	-.022499	.2609869	-.011999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.45028	.1019949	.0074996	8.879556	-.053247	.0149993	.0000000
SDev	.07636	.1103031	.0000000	.169697	.018030	.0339394	.0084849
%RSD	.5284559	108.1457	.0000000	1.911102	33.86145	226.2742	.0000000
#1	14.50427	.1799910	.0074996	8.999550	-.040498	.0389980	.0059997
#2	14.39628	.0239988	.0074996	8.759562	-.065997	-.009000	-.006000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0599970	-.169492	.0000000	.0000000	-.038998
SDev	.0084849	.099697	.0000000	.0000000	.021212
%RSD	14.14213	58.82127	.0000000	.0000000	54.39283
#1	.0659967	-.098995	.0000000	.0000000	-.053997
#2	.0539973	-.239988	.0000000	.0000000	-.023999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: RLSTD Operator:
Run Time: 07/12/04 09:03:35
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Avge	.4529774	.1919904	-.184491	.3584821	.0974951	1.472926	.1889905
SDev	.1060607	.1272729	.142121	.0318182	.0318182	.014849	.0042424
%RSD	23.41413	66.29126	77.03440	8.875818	32.63570	1.008095	2.244783
#1	.5279736	.1019949	-.284986	.3359832	.0749963	1.462427	.1859907
#2	.3779811	.2819859	-.083996	.3809809	.1199940	1.483426	.1919904
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3809809	4.043798	.2137393	.0344983	.1739913	.3734813	.2264887
SDev	.0000000	.000000	.0116667	.0000000	.0254546	.0106061	.0106061
%RSD	.0000000	.0000000	5.458369	.0000000	14.62979	2.839785	4.682828
#1	.3809809	4.043798	.2219889	.0344983	.1559922	.3659817	.2189890
#2	.3809809	4.043798	.2054897	.0344983	.1919904	.3809809	.2339883
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	16.38068	3.862307	.1807410	34.01530	.2407380	.1619919	.0314984
SDev	.07000	.031818	.0010606	.01697	.0095455	.0042424	.0021212
%RSD	.4273338	.8238127	.5868149	.0498874	3.965083	2.618914	6.734350
#1	16.43018	3.839808	.1799910	34.02730	.2339883	.1589920	.0299985
#2	16.33118	3.884806	.1814909	34.00330	.2474876	.1649917	.0329984
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.1109944	.0599970	-.010499
SDev	.0042424	.0063636	.010606
%RSD	3.822198	10.60660	101.0153
#1	.1139943	.0554972	-.003000
#2	.1079946	.0644968	-.017999
Factor	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/12/04 09:04:59
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	28.98680	39.72851	4.493775	18.56607	37.85361	65.54972
SDev	.00742	.12939	.004242	.09758	.14212	.34788
%RSD	.0256137	.3256961	.0944047	.5255592	.3754478	.5307087
#1	28.98155	39.82001	4.496775	18.63507	37.95410	65.30373
#2	28.99205	39.63702	4.490776	18.49707	37.75311	65.79571
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/12/04 09:06:24
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	290.5100	380.7559	43.46033	68.01559	381.9784	695.7237
SDev	2.0533	1.9685	.20576	.35212	1.9876	2.5518
%RSD	.7068000	.5169969	.4734376	.5177103	.5203364	.3667871
#1	289.0580	379.3640	43.31484	67.76661	380.5730	693.9193
#2	291.9619	382.1479	43.60582	68.26459	383.3838	697.5281
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/2 Operator:
Run Time: 07/12/04 09:07:44
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	1436.664	1698.691	198.9710	318.7086	1900.807	3380.949
SDev	.488	1.262	.2206	.1379	2.024	1.266
%RSD	.0339580	.0742998	.1108779	.0432655	.1064606	.0374530
#1	1437.009	1697.798	198.8151	318.6110	1899.376	3381.845

#2	1436.319	1699.583	199.1270	318.8061	1902.238	3380.054
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: MIXAHIGH Operator:
Run Time: 07/12/04 09:09:07
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2742.559	3046.595	373.2623	612.7613	3689.442	6052.664
SDev	.920	10.142	1.0309	1.4212	9.272	28.685
%RSD	.0335629	.3328807	.2761929	.2319345	.2513063	.4739256
#1	2741.908	3039.424	372.5334	613.7663	3682.886	6072.947
#2	2743.210	3053.766	373.9913	611.7564	3695.998	6032.380
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: B 1/100 Operator:
Run Time: 07/12/04 09:10:42
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	5.266236	4.577771	1.847908	2.237888	2.090895	9.035547	11.74741
SDev	.082728	.033939	.033939	.224849	.029697	.025455	.05939
%RSD	1.570904	.7413944	1.836641	10.04736	1.420301	.2817170	.5055923
#1	5.324734	4.553772	1.871906	2.078896	2.111894	9.053547	11.78941
#2	5.207739	4.601770	1.823909	2.396880	2.069897	9.017549	11.70542
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb

Avge	13.53832	2.402880	6.798410	4.979001	8.296085	5.794210	.4049798
SDev	.19727	.014849	.064697	.015909	.029697	.021212	.0042424
%RSD	1.457144	.6179461	.9516504	.3195271	.3579641	.3660896	1.047568
#1	13.67782	2.413379	6.844158	4.990251	8.317084	5.809209	.4019799
#2	13.39883	2.392380	6.752662	4.967752	8.275086	5.779211	.4079796
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.159442	1.153442	3.077846	.4754762
SDev	.006364	.006364	.097576	.0106061
%RSD	.5488489	.5517037	3.170264	2.230619
#1	1.163942	1.157942	3.146843	.4679766
#2	1.154942	1.148943	3.008850	.4829758
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: B 1/10 Operator:
Run Time: 07/12/04 09:12:03
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	47.64662	46.31618	23.27734	20.88796	20.44098	89.43828	113.8758
SDev	.17394	.07424	.16333	.24182	.02545	.14106	.0827
%RSD	.3650606	.1602906	.7016819	1.157690	.1245244	.1577212	.0726486
#1	47.52362	46.36868	23.39283	20.71696	20.42298	89.33853	113.8173
#2	47.76961	46.26369	23.16184	21.05895	20.45898	89.53803	113.9343
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	133.6396	24.06180	67.16214	46.73241	82.00315	57.98635	5.048747
SDev	.0583	.03606	.04454	.15591	.05621	.01591	.046667
%RSD	.0436542	.1498704	.0663243	.3336163	.0685508	.0274362	.9243219
#1	133.6808	24.03630	67.13065	46.62217	81.96340	57.99760	5.015749
#2	133.5983	24.08730	67.19364	46.84266	82.04290	57.97510	5.081746
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	11.53742	11.25694	31.95665	5.158242

SDev	.00000	.02333	.06682	.023334
%RSD	.0000000	.2072841	.2090871	.4523539
#1	11.53742	11.24044	31.90940	5.174741
#2	11.53742	11.27344	32.00390	5.141743
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: MIXBHIGH Operator:
Run Time: 07/12/04 09:13:25
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	469.1960	461.5224	232.7299	204.9123	196.8187	845.2077	1046.331
SDev	.6045	.3415	.5494	.1464	.1506	1.2070	1.746
%RSD	.1288461	.0740016	.2360657	.0714261	.0765232	.1428012	.1668455
#1	468.7686	461.7639	232.3414	205.0157	196.9252	846.0612	1045.097
#2	469.6235	461.2809	233.1183	204.8088	196.7122	844.3542	1047.566
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1280.842	237.4779	661.6762	463.6905	780.1875	569.0273	50.43048
SDev	.037	.1559	.3087	.1856	.0763	.4168	.26303
%RSD	.0028978	.0656523	.0466495	.0400273	.0097857	.0732519	.5215669
#1	1280.816	237.3676	661.8944	463.5593	780.1335	568.7325	50.24449
#2	1280.868	237.5881	661.4579	463.8218	780.2415	569.3220	50.61647
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	113.9328	108.5706	312.5566	51.77891
SDev	.0148	.1103	.7901	.16334
%RSD	.0130309	.1015948	.2528001	.3154480
#1	113.9433	108.4926	311.9979	51.66341
#2	113.9223	108.6486	313.1153	51.89440
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/12/04 09:15	Full Fit	1.000000
2203/2	220.352/2	07/12/04 09:16	Full Fit	1.000000
1960/1	196.021	07/12/04 09:16	Full Fit	1.000000
1960/2	196.022/2	07/12/04 09:16	Full Fit	1.000000
Ag	328.068	07/12/04 09:16	Full Fit	1.000000
Al	308.215	07/12/04 09:16	Full Fit	1.000000
Ba	493.409	07/12/04 09:16	Full Fit	1.000000
Be	313.042	07/12/04 09:16	Full Fit	1.000000
Ca	317.933	07/12/04 09:16	Full Fit	1.000000
Cd	226.502/2	07/12/04 09:16	Full Fit	1.000000
Co	228.616	07/12/04 09:16	Full Fit	1.000000
Cr	267.716	07/12/04 09:16	Full Fit	1.000000
Cu	324.753	07/12/04 09:16	Full Fit	1.000000
Fe	271.441	07/12/04 09:16	Full Fit	1.000000
K_	766.491	07/12/04 09:16	Full Fit	.999998
Mg	279.078	07/12/04 09:16	Full Fit	1.000000
Mn	257.610	07/12/04 09:16	Full Fit	1.000000
Na	588.991	07/12/04 09:16	Full Fit	1.000000
Ni	231.604/2	07/12/04 09:16	Full Fit	1.000000
Sb	206.838/2	07/12/04 09:16	Full Fit	1.000000
V_	292.402	07/12/04 09:16	Full Fit	1.000000
Zn	206.200	07/12/04 09:16	Full Fit	1.000000
As	189.042/2	07/12/04 09:16	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	07/12/04 09:16	Full Fit	1.000000

Analysis Report QC Standard 07/12/04 09:19:36 AM

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 07/12/04 09:17:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9020	9.9192	9.9846	9.9739	1.9946	.09808	10.010
SDev	.0330	.0057	.0036	.0144	.0034	.00358	.012
%RSD	.33290	.05760	.03623	.14424	.16995	3.6538	.12396
#1	9.9253	9.9152	9.9872	9.9638	1.9922	.09555	10.019
#2	9.8787	9.9232	9.9821	9.9841	1.9970	.10062	10.002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.065	.04375	9.9927	10.030	10.010	10.069	-.01892
SDev	.034	.00000	.0385	.030	.018	.002	.00106
%RSD	.34232	.00000	.38560	.30143	.17809	.01617	5.5986
#1	10.041	.04375	9.9655	10.008	9.9977	10.071	-.01967
#2	10.089	.04375	10.020	10.051	10.023	10.068	-.01817
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13943	-.03897	10.016	.06597	10.007	2.0186	10.026
SDev	.02609	.00179	.023	.00089	.030	.0084	.021
%RSD	18.711	4.6037	.22560	1.3470	.29576	.41370	.20524
#1	.12098	-.04024	10.000	.06660	9.9857	2.0245	10.012
#2	.15788	-.03770	10.032	.06535	10.028	2.0127	10.041
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	10.005	10.026	9.9135	9.9775	10.009
SDev	.055	.031	.0072	.0084	.030
%RSD	.54874	.31038	.07228	.08411	.30432
#1	9.9659	10.004	9.9186	9.9716	9.9873
#2	10.043	10.048	9.9084	9.9834	10.030
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	10.000	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Method: TRACE Sample Name: MIXAHIGH Operator: SW
Run Time: 07/12/04 09:19:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03912	.02553	-.00789	.00341	.00084	499.75	.00237
SDev	.00945	.00613	.01183	.00898	.00017	2.70	.00013
%RSD	24.160	24.013	149.92	263.14	20.197	.54027	5.4777
#1	-.04580	.02986	.00047	-.00294	.00096	497.84	.00246
#2	-.03244	.02119	-.01625	.00977	.00072	501.66	.00228
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00237	500.43	.00041	.00493	.00545	.00448	200.94
SDev	.00011	1.71	.00048	.00048	.00069	.00031	1.02
%RSD	4.6788	.34221	117.60	9.8085	12.746	6.8363	.50942
#1	.00245	499.22	.00075	.00527	.00594	.00470	200.22
#2	.00229	501.64	.00007	.00459	.00495	.00427	201.67
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	100.28	501.83	.00861	99.824	.00463	.01715	.00573
SDev	.45	1.16	.00009	.110	.00049	.00052	.00055
%RSD	.45211	.23067	1.0463	.10987	10.636	3.0092	9.6221
#1	99.955	501.01	.00867	99.746	.00498	.01678	.00612
#2	100.60	502.65	.00855	99.902	.00428	.01751	.00534
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01141	.00412	.00400	-.00035	-.00089
SDev	.00078	.00880	.00094	.00205	.00207
%RSD	6.8363	213.68	23.535	587.17	232.74
#1	.01196	-.00210	.00467	-.00180	-.00235
#2	.01086	.01033	.00334	.00110	.00057
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Analysis Report QC Standard 07/12/04 09:25:12 AM

Method: TRACE Sample Name: ICV Operator: SW
Run Time: 07/12/04 09:22:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.23813	.25454	.25279	.25038	.24155	24.487	.24112
SDev	.00127	.00131	.00253	.00288	.00091	.075	.00001
%RSD	.53384	.51395	1.0009	1.1521	.37668	.30736	.00491
#1	.23903	.25546	.25457	.25242	.24091	24.434	.24113
#2	.23724	.25361	.25100	.24834	.24220	24.540	.24111
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25496	24.814	.24454	.24309	.24452	.24715	10.164
SDev	.00011	.037	.00057	.00053	.00041	.00068	.039
%RSD	.04362	.15056	.23184	.21725	.16786	.27623	.37979
#1	.25488	24.787	.24413	.24272	.24423	.24667	10.136
#2	.25504	24.840	.24494	.24347	.24481	.24763	10.191
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.9361	25.262	.24649	10.088	.24094	.25424	.25193
SDev	.0504	.030	.00021	.065	.00161	.00072	.00073
%RSD	.50704	.11841	.08375	.64104	.66619	.28517	.29183
#1	9.9004	25.241	.24634	10.042	.23981	.25373	.25141
#2	9.9717	25.283	.24663	10.134	.24208	.25475	.25245
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.24504	.25302	.24907	.25118	.25418
SDev	.00038	.00444	.00130	.00277	.00002
%RSD	.15477	1.7537	.52028	1.1014	.00589
#1	.24531	.24989	.24999	.25314	.25417
#2	.24477	.25616	.24816	.24923	.25419
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.25000	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000