

2/13/02 ^{FT}

D/K 702

5 STD 703

IPC+CB 704

737

738

739

830

IPC+CB 831

LFB+LRS 832

558+Dap+S/K IPC+CB

559 LFB+LRS

560 1310+Lab Dap+S/K

561 1588+Diss+Diss B/L

613 1792

614 2416

615 1549

698 1987+Diss

699 2106

700 2107

1589 1589

-13 1989 1989

Reviewed by,

JP 5/1/02

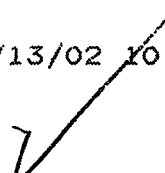
Standardization Rpt.

02/13/02 10:54:05 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 02/13/02 10:52:22



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.613	4.578	.4260	.3020	.1840	.2260	4.757
SDev	.011	.036	.0329	.0052	.0016	.0023	.046
%RSD	.6666	.7954	7.714	1.710	.8875	1.022	.9646

#1	1.600	4.548	.4480	.2960	.1820	.2240	4.714
#2	1.610	4.546	.4020	.3040	.1840	.2240	4.722
#3	1.620	4.608	.4600	.3000	.1840	.2280	4.786
#4	1.624	4.612	.3940	.3080	.1860	.2280	4.806

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2895	2.817	1.118	.7035	.0255	6.612	1.517
SDev	.0100	.036	.009	.0053	.0025	.040	.013
%RSD	3.448	1.276	.8391	.7477	9.869	.6014	.8442

#1	.2820	2.776	1.114	.6980	.0260	6.566	1.504
#2	.2800	2.806	1.108	.7000	.0280	6.596	1.508
#3	.2960	2.824	1.120	.7080	.0260	6.628	1.528
#4	.3000	2.862	1.130	.7080	.0220	6.658	1.528

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1045	.1210	2.622	.5315	.7940	.1410	.1135
SDev	.0010	.0020	.018	.0077	.0138	.0026	.0068
%RSD	.9569	1.653	.6803	1.453	1.733	1.831	5.997

#1	.1040	.1200	2.602	.5360	.7860	.1420	.1040
#2	.1040	.1200	2.616	.5360	.7840	.1400	.1140
#3	.1040	.1200	2.628	.5200	.8140	.1440	.1200
#4	.1060	.1240	2.644	.5340	.7920	.1380	.1160

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9750	.1375	.8080	.1545
SDev	.0110	.0131	.0063	.0030
%RSD	1.130	9.529	.7827	1.942

#1	.9640	.1380	.8020	.1520
#2	.9680	.1220	.8040	.1520
#3	.9800	.1540	.8100	.1580
#4	.9880	.1360	.8160	.1560

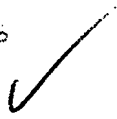
Standardization Rpt.

02/13/02 10:59:13 AM

page 1

Method: IECW Standard: STD6

Run Time: 02/13/02 10:57:50



Elem	Ag3280
Avge	40.38
SDev	.16
%RSD	.3879

#1	40.40
#2	40.35
#3	40.19
#4	40.57

Standardization Rpt.

02/13/02 11:04:30 AM

page 1

Method: IECW Standard: STD3
Run Time: 02/13/02 11:02:47

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	21.55	210.1	13.14	4.529	11.87	16.07	1.218
SDev	.05	.7	.04	.017	.03	.05	.013
%RSD	.2369	.3306	.3368	.3790	.2328	.2971	1.047

#1	21.52	209.5	13.09	4.518	11.89	16.12	1.208
#2	21.50	209.5	13.11	4.514	11.83	16.03	1.210
#3	21.57	210.8	13.17	4.532	11.88	16.03	1.236
#4	21.61	210.7	13.19	4.552	11.87	16.11	1.218

Elem	Tl1908
Avge	.8755
SDev	.0030
%RSD	.3427

#1	.8740
#2	.8720
#3	.8780
#4	.8780

Standardization Rpt.

02/13/02 11:08:55 AM

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Method: IECW Standard: STD4

Run Time: 02/13/02 11:07:32

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	3.999	30.18	44.40	.6905	4.897
SDev	.061	.13	.19	.0168	.023
%RSD	1.515	.4146	.4185	2.439	.4651
#1	3.940	30.20	44.47	.6880	4.922
#2	3.954	30.08	44.26	.6740	4.888
#3	4.044	30.35	44.64	.6860	4.908
#4	4.058	30.08	44.25	.7140	4.870

Standardization Rpt.

02/13/02 11:12:11 AM

page 1

Method: IECW Standard: STD2

Run Time: 02/13/02 11:10:49

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	24.40	102.1	34.79	122.5	22.84	11.92	7.890
SDev	.10	.4	.08	.6	.08	.03	.042
%RSD	.3994	.4192	.2392	.4652	.3287	.2637	.5319

#1	24.37	101.8	34.78	122.2	22.79	11.87	7.854
#2	24.55	102.8	34.90	123.3	22.95	11.94	7.936
#3	24.36	102.0	34.71	122.1	22.82	11.91	7.854
#4	24.34	102.1	34.76	122.3	22.81	11.94	7.914

Elem	Mn2576	Pb2203	Zn2138
Avge	26.69	5.759	24.76
SDev	.13	.035	.11
%RSD	.4793	.5992	.4317

#1	26.57	5.720	24.65
#2	26.87	5.804	24.90
#3	26.66	5.754	24.73
#4	26.66	5.758	24.75

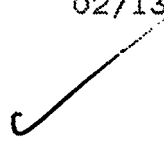
Standardization Rpt.

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page 1

Method: IECW Standard: STD5

Run Time: 02/13/02 11:14:28



Elem	V_2924
Avge	30.09
SDev	.12
%RSD	.4085

#1	29.98
#2	29.99
#3	30.17
#4	30.22

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/13/02 12:59:42

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5062	1.039	.0433	.9868	1.010	.9961	1.019
SDev	.0016	.006	.0213	.0138	.005	.0039	.003
%RSD	.3168	.5469	49.20	1.396	.4860	.3905	.2574

#1	.5070	1.044	.0155	.9900	1.016	1.002	1.023
#2	.5039	1.040	.0600	.9666	1.004	.9925	1.019
#3	.5075	1.031	.0601	.9940	1.012	.9956	1.018
#4	.5064	1.042	.0378	.9967	1.009	.9949	1.018

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.004	1.006	.9947	.9945	1.013	1.0000	.9895
SDev	.007	.004	.0031	.0041	.003	.7084	.0068
%RSD	.7224	.4258	.3115	.4153	.3101	137.9	.6834

#1	1.004	1.011	.9907	.9988	1.017	<.0000	.9926
#2	.9967	1.001	.9939	.9888	1.011	.3944	.9957
#3	1.000	1.008	.9971	.9951	1.015	<.0000	.9801
#4	1.014	1.005	.9971	.9951	1.011	<.0000	.9895

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.005	.9841	.9401	1.012	1.034	1.038	.0901
SDev	.005	.0119	.0268	.017	.027	.061	.0600
%RSD	.5363	1.213	2.855	1.638	2.569	5.919	66.68

#1	1.010	.9671	.9293	1.033	1.038	1.080	.0380
#2	.9992	.9853	.9725	1.017	1.038	1.006	.1420
#3	1.009	.9944	.9487	1.002	.9982	.9686	.1421
#4	1.002	.9898	.9098	.9960	1.062	1.099	.0381

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9710	1.029	.9810	1.016
SDev	.0071	.186	.0039	.003
%RSD	.7270	18.09	.3957	.2655

#1	.9760	.7760	.9868	1.016
#2	.9610	1.104	.9786	1.012
#3	.9710	1.214	.9793	1.019
#4	.9760	1.022	.9793	1.016

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 02/13/02 13:03:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0127	<.0000	<.0000	<.0000	<.0000
SDev	.0011	.0059	.0373	.0012	.0004	.0001	.0016
%RSD	46.68	31.21	292.5	707.9	25.03	17.76	48.51

#1	<.0000	<.0000	.0642	.0008	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0030	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0086	.0008	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0036	<.0000	<.0000	<.0000
SDev	.0017	.0018	.0021	.0010	.0031	.2550	.0060
%RSD	56.09	109.9	54.61	28.86	835.6	50.56	45.07

#1	<.0000	<.0000	<.0000	.0045	.0023	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0045	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0027	<.0000	<.0000	<.0000
#4	<.0000	.0002	<.0000	.0027	.0023	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0102	<.0000	<.0000	.0081	<.0000	.0347
SDev	.0000	.0037	.0100	.0054	.0083	.0178	.0954
%RSD	.0621	36.24	32.61	336.2	102.4	192.6	274.8

#1	<.0000	.0057	<.0000	<.0000	.0071	.0047	<.0000
#2	<.0000	.0102	<.0000	.0058	.0070	.0047	.0780
#3	<.0000	.0148	<.0000	<.0000	.0191	<.0000	<.0000
#4	<.0000	.0102	<.0000	<.0000	<.0000	<.0000	.1474

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0137	<.0000	<.0000	<.0000
SDev	.0075	.0671	.0008	.0008
%RSD	54.45	70.02	46.22	47.93

#1	.0050	<.0000	<.0000	<.0000
#2	.0200	<.0000	<.0000	<.0000
#3	.0100	<.0000	<.0000	<.0000
#4	.0200	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 02/13/02 13:30:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0159	.2573 ✓	.2532	.2642	.2558 ✓	.0494 ✓	.0100 ✓
SDev	.0018	.0177	.0354	.0062	.0008	.0003	.0032
%RSD	11.38	6.886	13.98	2.359	.3232	.5680	32.40

#1	.0139	.2361	.2494	.2729	.2562	.0494	.0066
#2	.0181	.2667	.2267	.2636	.2546	.0491	.0129
#3	.0150	.2502	.2325	.2582	.2562	.0493	.0078
#4	.0165	.2761	.3044	.2622	.2562	.0498	.0125

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1050 ✓	.1065 ✓	.2551 ✓	.2623 ✓	.2590 ✓	<.0000	.0015
SDev	.0033	.0022	.0034	.0017	.0038	.6258	.0194
%RSD	3.104	2.099	1.333	.6592	1.483	42.92	1313.

#1	.1008	.1053	.2552	.2637	.2598	<.0000	<.0000
#2	.1083	.1074	.2548	.2619	.2537	<.0000	.0289
#3	.1042	.1041	.2511	.2601	.2628	<.0000	<.0000
#4	.1066	.1091	.2594	.2637	.2598	<.0000	.0007

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2584 ✓	.1019 ✓	<.0000	.2640 ✓	.2608	.2736	.2848
SDev	.0015	.0086	.0267	.0094	.0223	.0387	.0849
%RSD	.6004	8.421	123.0	3.572	8.547	14.16	29.80

#1	.2575	.0963	<.0000	.2595	.2629	.3202	.2848
#2	.2567	.0963	.0172	.2737	.2508	.2829	.2847
#3	.2597	.1008	<.0000	.2531	.2388	.2271	.1808
#4	.2597	.1144	<.0000	.2698	.2908	.2642	.3887

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1584	.3347	.0990	.2595
SDev	.0143	.1033	.0012	.0037
%RSD	9.055	30.88	1.195	1.424

#1	.1796	.2594	.0979	.2587
#2	.1496	.2593	.1000	.2547
#3	.1497	.4784	.0979	.2628
#4	.1546	.3415	.1000	.2620

0.2125 - 0.2875

Analysis Report

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page 1

Method: IECW Sample Name: 1rb

Operator: it

Run Time: 02/13/02 13:49:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0126	.0668	.0007	.0000	.0001	.0014
%RSD	23.09	86.02	542.9	80.44	.0161	11.00	46.24

#1	<.0000	<.0000	.0531	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0009	<.0000	.0002	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0362	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0020	.0016	.0016	.0013	.0026	.1080	.0097
%RSD	106.7	75.35	46.31	141.5	75.98	7.501	77.43

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0008
#2	<.0000	<.0000	<.0000	.0009	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0023	<.0000	<.0000	.0000	<.0000	.0434
SDev	.0008	.0078	.0138	.0047	.0132	.0186	.0849
%RSD	80.15	340.3	36.59	243.8	35520.	44.45	195.7

#1	<.0000	.0102	<.0000	.0006	<.0000	<.0000	.1127
#2	<.0000	<.0000	<.0000	.0032	<.0000	<.0000	.1127
#3	<.0000	.0057	<.0000	<.0000	.0191	<.0000	<.0000
#4	<.0000	.0012	<.0000	<.0000	<.0000	<.0000	.0088

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0108	.0467	.0010	.0011
%RSD	72.14	97.65	40.02	80.87

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0137	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0002
#4	.0000	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 558

Operator: it

Run Time: 02/13/02 13:51:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0072	.0048	.0126	<.0000	7.792
SDev	.0009	.0041	.0435	.0014	.0000	.0001	.010
%RSD	17.99	25.23	606.5	28.72	.0086	9.238	.1239

#1	<.0000	<.0000	<.0000	.0036	.0126	<.0000	7.791
#2	<.0000	<.0000	<.0000	.0057	.0126	<.0000	7.779
#3	<.0000	<.0000	.0517	.0063	.0126	<.0000	7.801
#4	<.0000	<.0000	.0294	.0036	.0126	<.0000	7.798

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0235	.0582	<.0000	1.890
SDev	.0010	.0012	.0005	.0004	.0015	.0694	.012
%RSD	35.26	27.00	11.85	1.920	2.616	3.350	.6398

#1	<.0000	<.0000	<.0000	.0242	.0605	<.0000	1.897
#2	<.0000	<.0000	<.0000	.0233	.0574	<.0000	1.878
#3	<.0000	<.0000	<.0000	.0233	.0574	<.0000	1.881
#4	<.0000	<.0000	<.0000	.0233	.0574	<.0000	1.903

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0438	<.0000	9.277	.0024	<.0000	.0044	.0251
SDev	.0007	.0057	.035	.0034	.0162	.0000	.1613
%RSD	1.643	4781.	.3794	139.5	545.4	.2741	643.3

#1	.0444	.0056	9.260	.0053	<.0000	.0044	.0077
#2	.0437	.0010	9.236	.0002	<.0000	.0044	.2504
#3	.0444	.0010	9.297	<.0000	.0191	.0044	<.0000
#4	.0429	<.0000	9.314	.0053	<.0000	.0044	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9768	.0789	<.0000	.0041
SDev	.0050	.0821	.0012	.0000
%RSD	.5091	104.0	28.99	.0107

#1	.9743	.1200	<.0000	.0041
#2	.9743	.1748	<.0000	.0041
#3	.9743	.0105	<.0000	.0041
#4	.9843	.0105	<.0000	.0041

Analysis Report

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page 1

Method: IECW Sample Name: 558lab dup

Operator: it

Run Time: 02/13/02 13:53:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0036	.0126	<.0000	7.832
SDev	.0007	.0105	.0459	.0009	.0000	.0001	.023
%RSD	17.15	83.59	562.2	26.04	.0218	14.20	.2915
#1	<.0000	<.0000	.0126	.0023	.0126	<.0000	7.829
#2	<.0000	<.0000	.0239	.0043	.0126	<.0000	7.840
#3	<.0000	<.0000	<.0000	.0043	.0126	<.0000	7.802
#4	<.0000	<.0000	.0070	.0036	.0126	<.0000	7.856
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0237	.0567	<.0000	1.917
SDev	.0011	.0020	.0015	.0005	.0009	.1678	.016
%RSD	48.94	61.70	35.91	2.195	1.554	9.056	.8163
#1	<.0000	<.0000	<.0000	.0233	.0559	<.0000	1.922
#2	<.0000	<.0000	<.0000	.0242	.0559	<.0000	1.915
#3	<.0000	<.0000	<.0000	.0233	.0574	<.0000	1.897
#4	<.0000	<.0000	<.0000	.0242	.0574	<.0000	1.934
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0450	.0021	9.319	.0018	<.0000	<.0000	.0684
SDev	.0007	.0023	.018	.0032	.0197	.0279	.1213
%RSD	1.600	105.6	.1881	181.5	218.5	9755.	177.4
#1	.0444	.0055	9.294	.0053	<.0000	<.0000	.1117
#2	.0452	.0010	9.335	.0015	<.0000	.0230	.0078
#3	.0444	.0010	9.323	.0027	.0151	<.0000	.2157
#4	.0459	.0010	9.325	<.0000	<.0000	.0229	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9880	.0242	<.0000	.0037			
SDev	.0110	.1060	.0009	.0014			
%RSD	1.118	438.8	31.14	37.66			
#1	.9942	<.0000	<.0000	.0050			
#2	.9743	.0105	<.0000	.0025			
#3	.9843	<.0000	<.0000	.0025			
#4	.9992	.1747	<.0000	.0050			

Analysis Report

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Method: IECW Sample Name: 558spk
 Run Time: 02/13/02 14:00:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0156	.2721	.3031	.2652	.2658	.0490	7.640
SDev	.0014	.0037	.0433	.0025	.0008	.0002	.024
%RSD	8.740	1.344	14.28	.9530	.3104	.4310	.3137

#1	.0138	.2680	.3031	.2630	.2654	.0489	7.620
#2	.0169	.2739	.2975	.2677	.2654	.0491	7.661
#3	.0154	.2704	.3586	.2630	.2654	.0488	7.619
#4	.0164	.2762	.2530	.2670	.2670	.0493	7.661

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1017	.1026	.2515	.2786	.3127	<.0000	1.888
SDev	.0021	.0014	.0013	.0017	.0020	.3217	.017
%RSD	2.051	1.319	.5065	.6135	.6298	46.16	.9222

#1	.1012	.1014	.2527	.2761	.3134	<.0000	1.900
#2	.1030	.1022	.2523	.2789	.3119	<.0000	1.875
#3	.0989	.1024	.2500	.2798	.3104	<.0000	1.906
#4	.1036	.1046	.2509	.2798	.3149	<.0000	1.871

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.2996	.0984	9.084	.2677	.2568	.2686	.4137
SDev	.0017	.0079	.044	.0074	.0192	.0093	.0995
%RSD	.5570	7.989	.4869	2.760	7.482	3.463	24.06

#1	.2987	.0916	9.089	.2771	.2468	.2639	.2838
#2	.3017	.1097	9.126	.2668	.2588	.2825	.4224
#3	.2979	.0961	9.022	.2590	.2387	.2639	.4224
#4	.3002	.0961	9.100	.2681	.2828	.2639	.5264

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.198	.3452	.0980	.2580
SDev	.005	.0984	.0010	.0012
%RSD	.4011	28.50	1.045	.4728

#1	1.194	.3657	.0972	.2586
#2	1.204	.4205	.0992	.2586
#3	1.194	.3930	.0985	.2586
#4	1.199	.2015	.0972	.2562

Analysis Report

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Method: IECW Sample Name: 559

Run Time: 02/13/02 14:04:55

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0065	.0115	<.0000	6.427
SDev	.0006	.0137	.0185	.0012	.0005	.0001	.017
%RSD	31.86	1222.	153.1	18.90	4.128	11.00	.2716

#1	<.0000	<.0000	.0019	.0078	.0120	<.0000	6.414
#2	<.0000	.0001	<.0000	.0071	.0119	<.0000	6.452
#3	<.0000	.0177	<.0000	.0058	.0111	<.0000	6.426
#4	<.0000	<.0000	.0020	.0051	.0111	<.0000	6.417

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0073	.0345	<.0000	1.366
SDev	.0006	.0008	.0024	.0011	.0019	.2384	.007
%RSD	59.20	128.5	94.97	15.58	5.565	18.31	.5457

#1	<.0000	<.0000	<.0000	.0071	.0348	<.0000	1.374
#2	<.0000	.0001	<.0000	.0071	.0348	<.0000	1.361
#3	<.0000	<.0000	<.0000	.0089	.0364	<.0000	1.358
#4	<.0000	<.0000	<.0000	.0062	.0318	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0379	.0067	8.840	.0022	.0120	<.0000	.0860
SDev	.0007	.0068	.061	.0034	.0089	.0178	.0714
%RSD	1.902	101.3	.6881	152.6	73.91	7972.	83.11

#1	.0369	.0010	8.772	<.0000	.0231	.0231	.0427
#2	.0384	.0101	8.917	.0029	.0030	.0044	.0080
#3	.0384	.0146	8.852	.0067	.0150	<.0000	.1466
#4	.0377	.0010	8.819	.0003	.0070	<.0000	.1467

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9079	.0730	<.0000	<.0000
SDev	.0287	.0984	.0013	.0012
%RSD	3.158	134.8	50.72	1249.

#1	.8655	.1482	<.0000	.0009
#2	.9254	.1209	<.0000	<.0000
#3	.9254	<.0000	<.0000	.0009
#4	.9154	.0935	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 560

Operator: it

Run Time: 02/13/02 14:07:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0379	.0023	.0115	<.0000	6.362
SDev	.0009	.0020	.0205	.0010	.0005	.0001	.017
%RSD	49.54	119.5	54.15	43.68	4.124	11.00	.2600

#1	<.0000	.0012	.0295	.0038	.0120	<.0000	6.367
#2	<.0000	<.0000	.0574	.0018	.0120	<.0000	6.355
#3	<.0000	<.0000	.0130	.0018	.0111	<.0000	6.343
#4	<.0000	<.0000	.0518	.0018	.0111	<.0000	6.382

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0086	.0348	<.0000	1.358
SDev	.0017	.0012	.0010	.0011	.0045	.2668	.027
%RSD	215.6	130.8	24.39	13.14	12.85	16.92	1.991

#1	<.0000	.0005	<.0000	.0098	.0409	<.0000	1.396
#2	<.0000	<.0000	<.0000	.0089	.0303	<.0000	1.358
#3	.0015	<.0000	<.0000	.0089	.0333	<.0000	1.333
#4	<.0000	<.0000	<.0000	.0071	.0349	<.0000	1.346

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0399	.0044	7.362	.0042	.0050	<.0000	.0686
SDev	.0000	.0043	.043	.0046	.0218	.0465	.0520
%RSD	.0047	97.63	.5808	110.1	435.9	488.4	75.73

#1	.0399	.0101	7.329	<.0000	.0110	<.0000	.1119
#2	.0399	.0056	7.424	.0080	<.0000	.0602	.0080
#3	.0399	.0010	7.342	.0080	.0311	<.0000	.1120
#4	.0399	.0010	7.351	.0016	<.0000	<.0000	.0427

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9217	.0251	<.0000	.0007
SDev	.0149	.1129	.0006	.0004
%RSD	1.611	450.4	51.63	56.74

#1	.9403	<.0000	<.0000	.0009
#2	.9254	<.0000	<.0000	.0009
#3	.9055	.1209	<.0000	.0009
#4	.9155	.1209	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: 561

Operator: it

Run Time: 02/13/02 14:09:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0726	.0035	.0117	<.0000	6.427
SDev	.0009	.0029	.0322	.0007	.0004	.0001	.010
%RSD	34.50	147.1	44.33	19.32	3.518	9.091	.1613

#1	<.0000	<.0000	.1073	.0038	.0120	<.0000	6.418
#2	<.0000	.0012	.0295	.0025	.0111	<.0000	6.431
#3	<.0000	<.0000	.0796	.0038	.0120	<.0000	6.420
#4	<.0000	<.0000	.0740	.0038	.0120	<.0000	6.440

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0075	.0295	<.0000	1.361
SDev	.0010	.0006	.0006	.0009	.0020	.1136	.008
%RSD	92.83	34.20	19.30	12.01	6.664	6.587	.5938

#1	<.0000	<.0000	<.0000	.0080	.0287	<.0000	1.365
#2	<.0000	<.0000	<.0000	.0080	.0272	<.0000	1.358
#3	<.0000	<.0000	<.0000	.0062	.0318	<.0000	1.371
#4	<.0000	<.0000	<.0000	.0080	.0303	<.0000	1.352

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0303	.0056	7.693	.0042	<.0000	.0184	.0253
SDev	.0007	.0037	.035	.0054	.0040	.0178	.1001
%RSD	2.375	66.37	.4489	128.7	133.4	96.91	395.1

#1	.0309	.0010	7.701	<.0000	<.0000	.0044	.1120
#2	.0302	.0101	7.682	.0106	<.0000	.0044	.1120
#3	.0294	.0056	7.736	.0029	<.0000	.0417	<.0000
#4	.0309	.0056	7.653	.0055	<.0000	.0230	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9229	.0730	<.0000	<.0000
SDev	.0064	.1555	.0006	.0019
%RSD	.6965	213.0	28.62	644.8

#1	.9304	.1756	<.0000	.0009
#2	.9204	<.0000	<.0000	<.0000
#3	.9254	<.0000	<.0000	.0017
#4	.9154	.2304	<.0000	<.0000

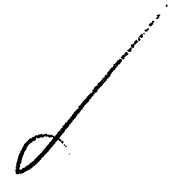
Analysis Report

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page 1

Method: IECW Sample Name: 613
 Run Time: 02/13/02 14:13:31
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0522	.0046	.0109	<.0000	6.254
SDev	.0012	.0031	.0782	.0025	.0004	.0001	.014
%RSD	20.36	10.25	149.8	53.09	3.776	7.692	.2273

#1	<.0000	<.0000	.0911	.0045	.0103	<.0000	6.256
#2	<.0000	<.0000	.0578	.0045	.0111	<.0000	6.253
#3	<.0000	<.0000	<.0000	.0018	.0111	<.0000	6.235
#4	<.0000	<.0000	.1188	.0078	.0111	<.0000	6.270

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0269	<.0000	1.329
SDev	.0017	.0023	.0007	.0010	.0023	.3147	.030
%RSD	74.76	59.39	13.49	36.43	8.494	11.83	2.231

#1	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.324
#2	<.0000	<.0000	<.0000	<.0000	.0257	<.0000	1.290
#3	<.0000	<.0000	<.0000	<.0000	.0242	<.0000	1.343
#4	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.358

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0345	<.0000	4.514	.0016	<.0000	<.0000	<.0000
SDev	.0007	.0045	.021	.0032	.0137	.0234	.1073
%RSD	2.085	376.2	.4651	197.4	197.1	17810.	19040.

#1	.0347	<.0000	4.489	<.0000	<.0000	.0045	.0081
#2	.0339	.0011	4.520	.0055	<.0000	.0231	<.0000
#3	.0339	.0011	4.507	<.0000	.0071	<.0000	.1467
#4	.0354	.0011	4.539	.0029	<.0000	.0045	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6648	.0936	<.0000	<.0000
SDev	.0103	.1359	.0007	.0014
%RSD	1.550	145.2	14.12	127.0

#1	.6511	.0662	<.0000	<.0000
#2	.6761	<.0000	<.0000	<.0000
#3	.6660	.1209	<.0000	.0009
#4	.6660	.2578	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 614
 Run Time: 02/13/02 14:16:13
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0006	.0063	.0113	<.0000	6.248
SDev	.0007	.0058	.0291	.0027	.0004	.0001	.030
%RSD	13.31	38.37	4752.	43.58	3.621	14.20	.4753

#1	<.0000	<.0000	.0408	.0098	.0120	<.0000	6.278
#2	<.0000	<.0000	.0021	.0045	.0111	<.0000	6.245
#3	<.0000	<.0000	<.0000	.0072	.0111	<.0000	6.208
#4	<.0000	<.0000	<.0000	.0038	.0111	<.0000	6.261

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.350
SDev	.0009	.0010	.0006	.0005	.0060	.1212	.018
%RSD	69.08	49.95	13.76	86.17	20.63	5.697	1.344

#1	<.0000	<.0000	<.0000	<.0000	.0379	<.0000	1.349
#2	<.0000	<.0000	<.0000	<.0000	.0272	<.0000	1.346
#3	<.0000	<.0000	<.0000	<.0000	.0242	<.0000	1.330
#4	<.0000	<.0000	<.0000	<.0000	.0272	<.0000	1.374

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0339	.0022	4.494	.0026	<.0000	<.0000	.0254
SDev	.0006	.0023	.043	.0031	.0140	.0234	.0721
%RSD	1.809	103.9	.9488	119.0	712.1	13110.	284.4

#1	.0339	.0010	4.545	.0003	.0150	.0231	.0080
#2	.0347	.0056	4.509	.0029	.0031	.0045	<.0000
#3	.0332	.0011	4.472	.0068	<.0000	<.0000	.0427
#4	.0339	.0011	4.448	.0003	<.0000	.0045	.1120

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6623	.1072	<.0000	<.0000
SDev	.0179	.2371	.0009	.0008
%RSD	2.705	221.1	25.91	155.3

#1	.6860	.2578	<.0000	.0001
#2	.6461	.3399	<.0000	<.0000
#3	.6511	.0115	<.0000	<.0000
#4	.6660	<.0000	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: 615

Operator: it

Run Time: 02/13/02 14:18:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0751	.0185	.0277	<.0000	25.35
SDev	.0013	.0214	.0758	.0019	.0005	.0001	.03
%RSD	35.53	94.78	100.9	10.42	1.721	14.20	.1296

#1	<.0000	.0068	.0192	.0183	.0281	<.0000	25.32
#2	<.0000	<.0000	.1195	.0163	.0273	<.0000	25.38
#3	<.0000	<.0000	.1585	.0210	.0281	<.0000	25.38
#4	<.0000	<.0000	.0032	.0183	.0273	<.0000	25.33

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0497	<.0000	8.472
SDev	.0008	.0019	.0027	.0022	.0038	.7178	.010
%RSD	87.96	111.8	155.5	1071.	7.661	186.4	.1144

#1	.0000	.0007	.0016	.0030	.0509	.6511	8.480
#2	<.0000	<.0000	<.0000	<.0000	.0539	<.0000	8.458
#3	<.0000	<.0000	<.0000	<.0000	.0448	<.0000	8.471
#4	<.0000	<.0000	<.0000	<.0000	.0494	<.0000	8.477

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0911	.0029	28.30	.0017	.0061	.0080	.0480
SDev	.0004	.0026	.17	.0094	.0115	.0178	.0591
%RSD	.4124	91.21	.6173	540.4	189.9	221.6	123.2

#1	.0913	.0051	28.06	.0153	<.0000	.0219	.1086
#2	.0913	.0006	28.39	<.0000	.0231	<.0000	.0394
#3	.0906	.0051	28.46	<.0000	.0031	.0220	.0741
#4	.0913	.0006	28.30	<.0000	<.0000	.0034	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.481	.1437	<.0000	<.0000
SDev	.008	.0984	.0012	.0009
%RSD	.5491	68.46	39.50	50.28

#1	1.481	<.0000	<.0000	<.0000
#2	1.471	.2190	<.0000	<.0000
#3	1.481	.1643	<.0000	<.0000
#4	1.491	.1917	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 698

Operator: it

Run Time: 02/13/02 14:21:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0698	.0053	.0118	<.0000	6.327
SDev	.0020	.0049	.0677	.0026	.0004	.0001	.023
%RSD	93.31	131.4	96.93	48.87	3.502	11.00	.3639

#1	<.0000	<.0000	.1073	.0038	.0120	<.0000	6.314
#2	<.0000	<.0000	.0075	.0091	.0120	<.0000	6.362
#3	<.0000	<.0000	.0185	.0045	.0111	<.0000	6.317
#4	<.0000	.0012	.1461	.0038	.0120	<.0000	6.316

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0003	.0348	<.0000	1.377
SDev	.0006	.0003	.0016	.0009	.0022	.3753	.022
%RSD	34.90	24.82	54.68	305.0	6.180	23.65	1.607

#1	<.0000	<.0000	<.0000	<.0000	.0379	<.0000	1.390
#2	<.0000	<.0000	<.0000	<.0000	.0333	<.0000	1.399
#3	<.0000	<.0000	<.0000	<.0000	.0333	<.0000	1.349
#4	<.0000	<.0000	<.0000	.0017	.0349	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0354	.0056	8.107	.0042	.0030	.0184	.1206
SDev	.0014	.0000	.052	.0046	.0274	.0234	.1073
%RSD	3.878	.0470	.6449	110.1	909.4	127.3	88.95

#1	.0362	.0056	8.157	.0003	.0311	.0230	.1813
#2	.0339	.0056	8.140	.0093	<.0000	<.0000	<.0000
#3	.0347	.0056	8.086	.0067	<.0000	.0230	.2160
#4	.0369	.0056	8.043	.0003	.0150	.0416	.1120

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9216	.0114	<.0000	<.0000
SDev	.0137	.1183	.0012	.0008
%RSD	1.489	1041.	55.80	59.18

#1	.9303	<.0000	<.0000	<.0000
#2	.9154	.1208	<.0000	<.0000
#3	.9055	.0114	<.0000	<.0000
#4	.9354	.0661	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 699

Operator: it

Run Time: 02/13/02 14:23:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0311	.0065	.0111	<.0000	6.303
SDev	.0029	.0174	.0307	.0036	.0000	.0001	.026
%RSD	51.05	160.7	98.65	55.36	.0286	14.20	.4174

#1	<.0000	<.0000	.0297	.0098	.0111	<.0000	6.269
#2	<.0000	.0142	.0738	.0091	.0111	<.0000	6.331
#3	<.0000	<.0000	.0188	.0045	.0111	<.0000	6.312
#4	<.0000	<.0000	.0020	.0025	.0111	<.0000	6.300

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0299	<.0000	1.366
SDev	.0003	.0023	.0014	.0023	.0038	.4446	.016
%RSD	23.66	106.2	53.60	150.6	12.72	19.39	1.160

#1	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.352
#2	<.0000	.0011	<.0000	.0017	.0348	<.0000	1.387
#3	<.0000	<.0000	<.0000	<.0000	.0257	<.0000	1.355
#4	<.0000	<.0000	<.0000	<.0000	.0303	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0351	<.0000	7.630	.0013	<.0000	<.0000	.0427
SDev	.0010	.0057	.031	.0063	.0350	.0178	.1020
%RSD	2.769	6680.	.4114	500.3	1766.	187.8	239.0

#1	.0354	.0011	7.630	.0093	<.0000	<.0000	<.0000
#2	.0362	.0056	7.643	<.0000	.0471	<.0000	.1466
#3	.0347	.0011	7.660	.0003	<.0000	.0045	<.0000
#4	.0339	<.0000	7.586	.0016	<.0000	.0045	.1120

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9142	.0319	<.0000	<.0000
SDev	.0094	.0754	.0011	.0008
%RSD	1.031	236.2	29.14	85.54

#1	.9154	.0662	<.0000	<.0000
#2	.9204	<.0000	<.0000	.0001
#3	.9005	<.0000	<.0000	<.0000
#4	.9204	.1209	<.0000	<.0000

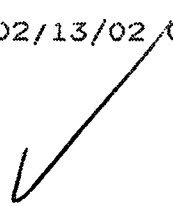
Analysis Report

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Method: IECW Sample Name: 700
 Run Time: 02/13/02 14:27:20
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0686	.0056	.0113	<.0000	6.397
SDev	.0018	.0124	.0186	.0023	.0004	.0000	.013
%RSD	35.18	108.3	27.11	41.57	3.642	.0000	.2065

#1	<.0000	.0059	.0906	.0045	.0120	<.0000	6.394
#2	<.0000	<.0000	.0743	.0045	.0111	<.0000	6.416
#3	<.0000	<.0000	.0464	.0045	.0111	<.0000	6.386
#4	<.0000	<.0000	.0630	.0091	.0111	<.0000	6.391

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0003	.0310	<.0000	1.354
SDev	.0009	.0019	.0021	.0016	.0026	.2635	.007
%RSD	69.05	47.30	44.93	530.0	8.505	12.60	.4815

#1	<.0000	<.0000	<.0000	.0016	.0318	<.0000	1.352
#2	<.0000	<.0000	<.0000	.0007	.0318	<.0000	1.346
#3	<.0000	<.0000	<.0000	<.0000	.0272	<.0000	1.362
#4	<.0000	<.0000	<.0000	.0007	.0333	<.0000	1.355

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0351	<.0000	8.733	.0038	<.0000	<.0000	.0514
SDev	.0004	.0094	.039	.0036	.0065	.0352	.0714
%RSD	1.240	11080.	.4514	92.14	667.0	371.1	139.1

#1	.0354	.0101	8.690	.0016	.0070	<.0000	.1120
#2	.0354	.0011	8.780	.0003	<.0000	.0417	.1120
#3	.0347	<.0000	8.715	.0080	<.0000	<.0000	.0080
#4	.0347	.0011	8.748	.0055	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9042	<.0000	<.0000	<.0000
SDev	.0103	.1366	.0000	.0010
%RSD	1.137	176.2	.0105	77.72

#1	.8905	.0661	<.0000	.0001
#2	.9055	<.0000	<.0000	<.0000
#3	.9154	<.0000	<.0000	<.0000
#4	.9055	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 02/13/02 14:29:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5062	1.033	.0767	.9923	1.016	1.002	1.024
SDev	.0018	.009	.0212	.0091	.006	.003	.004
%RSD	.3480	.8450	27.68	.9122	.5536	.3342	.4287
#1	.5054	1.040	.0600	.9800	1.010	.9988	1.023
#2	.5085	1.033	.1045	.9980	1.023	1.007	1.029
#3	.5064	1.037	.0822	.9913	1.013	1.001	1.025
#4	.5044	1.020	.0602	1.000	1.015	1.003	1.018
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.014	1.007	.9958	.9942	1.009	<.0000	.9769
SDev	.005	.006	.0031	.0052	.005	.4456	.0099
%RSD	.4750	.6178	.3151	.5244	.4990	31.15	1.013
#1	1.008	1.004	.9925	.9879	1.003	<.0000	.9895
#2	1.012	1.016	.9995	1.001	1.015	<.0000	.9676
#3	1.018	1.002	.9939	.9951	1.011	<.0000	.9801
#4	1.018	1.005	.9971	.9933	1.009	<.0000	.9707
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.011	.9422	.9752	1.017	1.003	.9500	.0121
SDev	.005	.0168	.0311	.010	.017	.0000	.1110
%RSD	.4881	1.781	3.185	.9392	1.705	.0027	917.3
#1	1.004	.9217	.9833	1.005	.9982	.9500	<.0000
#2	1.016	.9580	.9941	1.017	1.022	.9500	.1074
#3	1.013	.9353	.9941	1.019	1.010	.9500	.1074
#4	1.010	.9535	.9293	1.028	.9822	.9500	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9174	1.132	.9830	1.016			
SDev	.0103	.114	.0052	.003			
%RSD	1.119	10.07	.5274	.2724			
#1	.9311	1.269	.9779	1.012			
#2	.9062	1.105	.9902	1.016			
#3	.9161	1.159	.9827	1.017			
#4	.9161	.9950	.9813	1.019			

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 02/13/02 14:31:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	<.0000	.0004	<.0000
SDev	.0018	.0042	.0541	.0016	.0008	.0004	.0006
%RSD	100.3	34.72	170.1	57.55	63.87	107.8	16.24

#1	<.0000	<.0000	<.0000	.0049	<.0000	.0009	<.0000
#2	.0000	<.0000	.0418	.0028	<.0000	.0004	<.0000
#3	<.0000	<.0000	<.0000	.0028	<.0000	.0001	<.0000
#4	<.0000	<.0000	<.0000	.0008	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	.0020	<.0000	.0000	<.0000
SDev	.0018	.0026	.0012	.0009	.0015	.0550	.0106
%RSD	1243.	155.4	47.67	42.54	100.2	3.448	682.0

#1	.0004	.0015	<.0000	.0027	.0008	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0027	<.0000	<.0000	.0070
#3	.0010	<.0000	<.0000	.0018	<.0000	<.0000	<.0000
#4	.0016	<.0000	<.0000	.0009	<.0000	<.0000	.0070

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0295	<.0000	.0035	.0040	.0140	.1907
SDev	.0011	.0086	.0076	.0054	.0256	.0322	.0520
%RSD	564.6	29.11	42.43	152.5	634.7	230.4	27.27

#1	.0017	.0420	<.0000	.0058	.0311	.0047	.2167
#2	.0002	.0284	<.0000	<.0000	<.0000	.0047	.1473
#3	<.0000	.0238	<.0000	.0071	.0151	<.0000	.2514
#4	<.0000	.0238	<.0000	.0058	<.0000	.0605	.1474

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0004
SDev	.0025	.1870	.0012	.0010
%RSD	3.257	455.6	97.61	251.0

#1	<.0000	<.0000	<.0000	.0018
#2	<.0000	<.0000	.0003	.0002
#3	<.0000	.1506	<.0000	.0002
#4	<.0000	.0411	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 701
 Run Time: 02/13/02 14:34:58
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0351	.0090	.0126	<.0000	7.818
SDev	.0025	.0142	.0485	.0016	.0000	.0001	.020
%RSD	44.80	53.33	138.2	18.24	.0219	9.238	.2532
#1	<.0000	<.0000	<.0000	.0110	.0126	<.0000	7.793
#2	<.0000	<.0000	.1017	.0077	.0126	<.0000	7.813
#3	<.0000	<.0000	.0240	.0097	.0126	<.0000	7.834
#4	<.0000	<.0000	.0293	.0077	.0126	<.0000	7.834
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0052	.0540	<.0000	1.867
SDev	.0013	.0010	.0016	.0010	.0019	.3863	.026
%RSD	70.15	25.08	44.50	19.95	3.563	15.37	1.399
#1	<.0000	<.0000	<.0000	.0043	.0559	<.0000	1.834
#2	<.0000	<.0000	<.0000	.0061	.0544	<.0000	1.893
#3	<.0000	<.0000	<.0000	.0061	.0544	<.0000	1.859
#4	<.0000	<.0000	<.0000	.0043	.0513	<.0000	1.881
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0474	.0067	9.116	.0053	.0071	<.0000	.0338
SDev	.0011	.0057	.030	.0053	.0170	.0152	.0714
%RSD	2.245	85.42	.3346	98.56	240.2	106.8	211.3
#1	.0482	.0147	9.076	.0015	<.0000	<.0000	<.0000
#2	.0482	.0056	9.139	.0092	.0151	<.0000	.0424
#3	.0474	.0056	9.108	.0002	.0271	<.0000	.0425
#4	.0459	.0010	9.141	.0105	<.0000	.0044	.1117
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9407	.0858	<.0000	<.0000			
SDev	.0075	.0984	.0024	.0014			
%RSD	.7974	114.7	52.15	431.8			
#1	.9445	.2296	<.0000	<.0000			
#2	.9444	.0105	<.0000	.0001			
#3	.9444	.0379	<.0000	.0009			
#4	.9294	.0653	<.0000	.0001			

Analysis Report

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page 1

Method: IECW Sample Name: 701lab dup

Operator: it

Run Time: 02/13/02 14:36:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0364	.0077	.0126 ✓	<.0000	7.857 <i>7.818</i>
SDev	.0006	.0080	.0577	.0019	.0000	.0001	.038
%RSD	10.07	33.69	158.3	24.68	.0307	8.333	.4817
#1	<.0000	<.0000	<.0000	.0090	.0126	<.0000	7.846
#2	<.0000	<.0000	.0517	.0077	.0126	<.0000	7.908
#3	<.0000	<.0000	.0295	.0050	.0126	<.0000	7.818
#4	<.0000	<.0000	.1018	.0090	.0126	<.0000	7.854
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	.0061 <i>0.005</i>	.0506 <i>0.0540</i>	<.0000	1.873 <i>1.867</i>
SDev	.0023	.0019	.0009	.0016	.0029	.2620	.019
%RSD	88.81	54.09	18.47	26.90	5.783	9.305	.9979
#1	<.0000	<.0000	<.0000	.0052	.0513	<.0000	1.890
#2	<.0000	<.0000	<.0000	.0079	.0483	<.0000	1.878
#3	<.0000	<.0000	<.0000	.0043	.0544	<.0000	1.846
#4	<.0000	<.0000	<.0000	.0070	.0483	<.0000	1.878
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0476 <i>0.0474</i>	.0067 ✓	9.160 <i>9.114</i>	.0000	<.0000	.0277	.0511
SDev	.0004	.0057	.095	.0079	.0116	.0234	.1397
%RSD	.7895	85.31	1.041	450.3	42.84	84.71	273.3
#1	.0474	.0010	9.173	<.0000	<.0000	.0044	.2157
#2	.0482	.0146	9.264	<.0000	<.0000	.0230	.1118
#3	.0474	.0056	9.033	.0079	<.0000	.0230	<.0000
#4	.0474	.0056	9.169	<.0000	<.0000	.0603	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138	<i>very good</i>		
Avg	.9494	<.0000	<.0000	.0007			
SDev	.0135	.1190	.0017	.0010			
%RSD	1.423	318.8	36.89	148.3			
#1	.9544	.1200	<.0000	<.0000			
#2	.9594	<.0000	<.0000	.0017			
#3	.9544	<.0000	<.0000	.0009			
#4	.9294	<.0000	<.0000	.0009			

Analysis Report

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Method: IECW Sample Name: 701spk

Operator: it

Run Time: 02/13/02 14:49:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0152	.2657 ✓	.2518	.2637	.2652	.0490 ✓	7.649
SDev	.0016	.0116	.0557	.0033	.0012	.0002	.030
%RSD	10.84	4.353	22.11	1.259	.4663	.3683	.3862

#1	.0159	.2680	.3254	.2684	.2645	.0491	7.660
#2	.0164	.2810	.2641	.2637	.2662	.0490	7.665
#3	.0159	.2551	.2145	.2610	.2662	.0491	7.665
#4	.0128	.2586	.2033	.2617	.2637	.0487	7.605

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1020 ✓	.1034 ✓	.2487 ✓	.2592 ✓	.3024	<.0000	1.842
SDev	.0028	.0015	.0026	.0011	.0023	.4355	.019
%RSD	2.723	1.429	1.033	.4382	.7547	28.60	1.024

#1	.0989	.1029	.2477	.2590	.3012	<.0000	1.862
#2	.1030	.1054	.2486	.2590	.3058	<.0000	1.853
#3	.1053	.1036	.2523	.2608	.3012	<.0000	1.831
#4	.1007	.1019	.2463	.2581	.3013	<.0000	1.821

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3009	.0973 ✓	8.858	.2626 ✓	.2508	.2407	.3185
SDev	.0018	.0086	.053	.0102	.0086	.0279	.1497
%RSD	.6122	8.832	.6040	3.868	3.442	11.58	47.01

#1	.3032	.1098	8.855	.2732	.2468	.2639	.2491
#2	.2994	.0916	8.888	.2642	.2628	.2639	.5264
#3	.3017	.0961	8.905	.2642	.2428	.2082	.1799
#4	.2994	.0916	8.784	.2488	.2508	.2268	.3185

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.090	.4547	.0973 ✓	.2566 ✓
SDev	.026	.1366	.0010	.0017
%RSD	2.343	30.04	1.052	.6594

#1	1.104	.6395	.0978	.2586
#2	1.074	.3657	.0978	.2570
#3	1.119	.3384	.0978	.2545
#4	1.064	.4753	.0958	.2562

Analysis Report

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Method: IECW Sample Name: 702

Operator: it

Run Time: 02/13/02 14:52:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0712	.0056	.0120	<.0000	6.429
SDev	.0011	.0139	.0095	.0014	.0000	.0001	.015
%RSD	37.27	695.2	13.36	24.62	.0163	10.00	.2318

#1	<.0000	<.0000	.0574	.0071	.0120	<.0000	6.428
#2	<.0000	<.0000	.0742	.0065	.0120	<.0000	6.409
#3	<.0000	.0024	.0739	.0044	.0120	<.0000	6.443
#4	<.0000	.0153	.0793	.0044	.0119	<.0000	6.439

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0059	.0352	<.0000	1.372
SDev	.0017	.0019	.0019	.0009	.0026	.2424	.012
%RSD	109.8	82.20	58.32	14.55	7.386	11.44	.8831

#1	<.0000	<.0000	<.0000	.0053	.0364	<.0000	1.361
#2	.0004	<.0000	<.0000	.0053	.0318	<.0000	1.368
#3	<.0000	<.0000	<.0000	.0071	.0379	<.0000	1.371
#4	<.0000	<.0000	<.0000	.0062	.0348	<.0000	1.390

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0416	.0067	8.229	.0042	.0040	<.0000	.1206
SDev	.0013	.0057	.046	.0050	.0076	.0318	.0866
%RSD	3.085	84.91	.5589	121.1	188.9	14290.	71.81

#1	.0399	.0056	8.207	.0055	<.0000	.0045	.0080
#2	.0414	.0011	8.201	.0106	<.0000	<.0000	.1120
#3	.0422	.0056	8.211	.0016	.0150	.0416	.2159
#4	.0429	.0146	8.298	<.0000	.0030	<.0000	.1466

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8905	.0387	<.0000	.0005
SDev	.0237	.0592	.0003	.0008
%RSD	2.666	152.7	11.50	159.0

#1	.8755	.0114	<.0000	.0009
#2	.9154	.1209	<.0000	.0009
#3	.8655	.0387	<.0000	.0009
#4	.9054	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 703
 Run Time: 02/13/02 14:54:28
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0075	.0061	.0119	<.0000	6.733
SDev	.0018	.0072	.0341	.0025	.0000	.0001	.017
%RSD	45.62	98.49	458.2	40.38	.0141	11.00	.2539

#1	<.0000	<.0000	.0186	.0024	.0119	<.0000	6.727
#2	<.0000	<.0000	.0185	.0071	.0119	<.0000	6.758
#3	<.0000	<.0000	.0352	.0071	.0119	<.0000	6.723
#4	<.0000	<.0000	<.0000	.0078	.0119	<.0000	6.723

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0084	.0325	<.0000	1.330
SDev	.0012	.0003	.0007	.0012	.0020	.2600	.021
%RSD	66.23	57.37	17.42	13.85	6.043	13.25	1.549

#1	<.0000	<.0000	<.0000	.0089	.0318	<.0000	1.333
#2	<.0000	<.0000	<.0000	.0098	.0303	<.0000	1.327
#3	<.0000	<.0000	<.0000	.0071	.0333	<.0000	1.305
#4	<.0000	<.0000	<.0000	.0080	.0348	<.0000	1.355

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0275	.0045	7.308	.0084	.0010	<.0000	.0773
SDev	.0004	.0043	.036	.0072	.0208	.0186	.0400
%RSD	1.578	97.59	.4955	85.68	2049.	383.4	51.76

#1	.0271	.0010	7.255	.0055	.0070	<.0000	.0427
#2	.0272	.0010	7.316	.0016	.0070	<.0000	.0427
#3	.0279	.0101	7.335	.0183	.0190	.0230	.1120
#4	.0279	.0056	7.327	.0080	<.0000	<.0000	.1120

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8793	<.0000	<.0000	.0044
SDev	.0048	.0651	.0003	.0017
%RSD	.5418	114.3	11.50	38.33

#1	.8756	<.0000	<.0000	.0025
#2	.8856	<.0000	<.0000	.0066
#3	.8756	<.0000	<.0000	.0042
#4	.8805	.0388	<.0000	.0042

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0351	.0058	.0115	<.0000	6.448
SDev	.0006	.0098	.0589	.0005	.0008	.0001	.048
%RSD	22.18	426.5	167.5	9.387	7.143	11.00	.7447

#1	<.0000	<.0000	<.0000	.0058	.0111	<.0000	6.409
#2	<.0000	.0001	.0795	.0058	.0128	<.0000	6.472
#3	<.0000	<.0000	.0740	.0051	.0111	<.0000	6.407
#4	<.0000	.0095	.0350	.0065	.0111	<.0000	6.504

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0075	.0291	<.0000	1.361
SDev	.0027	.0024	.0006	.0012	.0015	.1772	.017
%RSD	219.5	1267.	16.86	15.49	5.027	8.588	1.259

#1	<.0000	<.0000	<.0000	.0062	.0303	<.0000	1.343
#2	<.0000	.0011	<.0000	.0089	.0303	<.0000	1.371
#3	<.0000	.0025	<.0000	.0071	.0288	<.0000	1.352
#4	.0015	<.0000	<.0000	.0080	.0272	<.0000	1.380

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0364	.0044	7.743	.0096	.0100	<.0000	.0513
SDev	.0007	.0043	.072	.0054	.0089	.0480	.0715
%RSD	1.978	97.74	.9316	56.03	88.52	339.0	139.3

#1	.0362	.0101	7.660	.0119	<.0000	<.0000	.1120
#2	.0369	.0010	7.777	.0016	.0070	<.0000	.1120
#3	.0354	.0010	7.712	.0119	.0190	.0417	<.0000
#4	.0369	.0056	7.824	.0132	.0150	.0044	.0079

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8955	.0388	<.0000	.0005
SDev	.0041	.1284	.0010	.0014
%RSD	.4533	331.3	52.66	274.7

#1	.8955	.2030	<.0000	.0009
#2	.9004	<.0000	<.0000	<.0000
#3	.8905	.0662	<.0000	.0009
#4	.8954	<.0000	<.0000	.0017

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Method: IECW Sample Name: 737

Operator: it

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Comment:

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0042	.0364	.0040	.0115	<.0000	6.306
SDev	.0019	.0097	.0106	.0003	.0005	.0000	.029
%RSD	104.3	230.9	29.00	8.252	4.141	.0000	.4643

#1	<.0000	.0013	.0518	.0038	.0111	<.0000	6.305
#2	<.0000	.0130	.0294	.0045	.0120	<.0000	6.317
#3	<.0000	<.0000	.0352	.0038	.0111	<.0000	6.335
#4	<.0000	.0107	.0294	.0038	.0120	<.0000	6.266

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0007	.0238	<.0000	1.382
SDev	.0022	.0008	.0016	.0010	.0044	.1421	.019
%RSD	182.4	192.3	65.13	139.3	18.37	8.285	1.390

#1	.0009	<.0000	<.0000	.0017	.0227	<.0000	1.374
#2	<.0000	<.0000	<.0000	.0017	.0303	<.0000	1.399
#3	.0004	<.0000	<.0000	<.0000	.0211	<.0000	1.396
#4	<.0000	.0005	<.0000	<.0000	.0211	<.0000	1.358

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0351	.0044	4.563	.0029	.0180	<.0000	.1033
SDev	.0008	.0043	.026	.0056	.0089	.0322	.0714
%RSD	2.143	97.68	.5702	193.5	49.43	659.3	69.17

#1	.0354	.0056	4.554	.0055	.0230	<.0000	.1120
#2	.0354	.0101	4.530	.0080	.0150	.0230	.1812
#3	.0354	.0010	4.589	.0029	.0271	.0231	.1120
#4	.0339	.0010	4.578	<.0000	.0070	<.0000	.0080

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6298	.0798	<.0000	<.0000
SDev	.0143	.0724	.0006	.0011
%RSD	2.276	90.75	51.02	162.7

#1	.6410	.0661	<.0000	<.0000
#2	.6410	.1482	<.0000	.0009
#3	.6110	<.0000	<.0000	<.0000
#4	.6261	.1209	<.0000	<.0000

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Operator: it

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0227	.0063	.0118	<.0000	6.301
SDev	.0009	.0022	.0751	.0008	.0004	.0001	.021
%RSD	31.35	70.32	331.4	13.26	3.511	11.00	.3270

#1	<.0000	.0001	.0351	.0065	.0120	<.0000	6.332
#2	<.0000	<.0000	.1240	.0071	.0111	<.0000	6.295
#3	<.0000	<.0000	<.0000	.0065	.0120	<.0000	6.289
#4	<.0000	<.0000	<.0000	.0051	.0120	<.0000	6.290

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0001	.0246	<.0000	1.374
SDev	.0013	.0006	.0017	.0017	.0036	.2188	.012
%RSD	71.16	38.23	39.67	2396.	14.64	11.26	.8723

#1	<.0000	<.0000	<.0000	.0026	.0272	<.0000	1.383
#2	<.0000	<.0000	<.0000	<.0000	.0272	<.0000	1.383
#3	<.0000	<.0000	<.0000	<.0000	.0242	<.0000	1.371
#4	<.0000	<.0000	<.0000	<.0000	.0198	<.0000	1.358

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0349	.0022	4.527	.0048	.0190	<.0000	<.0000
SDev	.0007	.0023	.028	.0080	.0150	.0178	.0520
%RSD	2.069	104.1	.6121	165.8	78.72	8300.	288.8

#1	.0347	.0010	4.565	.0054	.0391	<.0000	.0080
#2	.0339	.0056	4.526	.0158	.0150	<.0000	.0427
#3	.0354	.0010	4.500	<.0000	.0190	.0230	<.0000
#4	.0354	.0010	4.515	.0003	.0030	.0044	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6211	.0319	<.0000	<.0000
SDev	.0204	.0847	.0013	.0008
%RSD	3.277	265.6	70.24	85.62

#1	.6510	<.0000	<.0000	<.0000
#2	.6161	.0387	<.0000	.0001
#3	.6061	.1483	<.0000	<.0000
#4	.6111	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 738

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0053	.0116	<.0000	6.293
SDev	.0016	.0156	.0589	.0010	.0005	.0001	.013
%RSD	64.74	198.2	2598.	19.04	4.118	9.091	.2145

#1	<.0000	.0024	<.0000	.0058	.0120	<.0000	6.296
#2	<.0000	<.0000	.0575	.0065	.0111	<.0000	6.274
#3	<.0000	.0048	.0350	.0045	.0120	<.0000	6.302
#4	<.0000	<.0000	<.0000	.0045	.0111	<.0000	6.302

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0001	.0265	<.0000	1.369
SDev	.0006	.0014	.0008	.0004	.0026	.1964	.016
%RSD	34.84	127.6	22.47	630.6	9.954	10.25	1.142

#1	<.0000	<.0000	<.0000	<.0000	.0242	<.0000	1.371
#2	<.0000	<.0000	<.0000	<.0000	.0242	<.0000	1.346
#3	<.0000	<.0000	<.0000	.0007	.0288	<.0000	1.380
#4	<.0000	.0001	<.0000	<.0000	.0288	<.0000	1.377

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0345	.0022	4.541	.0042	.0020	<.0000	.1033
SDev	.0007	.0023	.069	.0067	.0192	.0234	.0436
%RSD	2.088	104.3	1.519	161.6	950.9	246.6	42.19

#1	.0347	.0010	4.641	.0093	.0070	<.0000	.1466
#2	.0339	.0011	4.513	<.0000	<.0000	<.0000	.0427
#3	.0339	.0010	4.528	.0093	<.0000	<.0000	.1119
#4	.0354	.0056	4.483	.0029	.0271	.0231	.1121

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6198	.0388	<.0000	<.0000
SDev	.0048	.0671	.0010	.0014
%RSD	.7679	173.0	54.47	471.7

#1	.6211	.1209	<.0000	.0009
#2	.6161	.0388	<.0000	<.0000
#3	.6260	<.0000	<.0000	.0009
#4	.6161	.0388	<.0000	<.0000

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Method: IECW Sample Name: 739

Operator: it

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1151	.0171	.0281	<.0000	25.45
SDev	.0021	.0083	.0302	.0027	.0000	.0001	.09
%RSD	135.3	166.9	26.26	15.74	.0341	10.00	.3681

#1	<.0000	<.0000	.1139	.0156	.0281	<.0000	25.36
#2	<.0000	<.0000	.1581	.0143	.0281	<.0000	25.57
#3	<.0000	<.0000	.0970	.0183	.0281	<.0000	25.47
#4	.0011	.0044	.0914	.0203	.0281	<.0000	25.39

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0000	<.0000	.0002	.0482	<.0000	8.513
SDev	.0017	.0013	.0008	.0013	.0023	.3415	.029
%RSD	613.1	2882.	211.6	513.9	4.753	128.4	.3349

#1	.0000	.0000	<.0000	<.0000	.0463	<.0000	8.496
#2	<.0000	.0017	<.0000	.0011	.0463	<.0000	8.555
#3	.0018	<.0000	.0007	.0002	.0509	<.0000	8.496
#4	<.0000	<.0000	<.0000	.0012	.0493	.0642	8.505

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0908	.0040	28.18	.0101	.0180	.0080	.1519
SDev	.0009	.0043	.09	.0069	.0183	.0318	.0657
%RSD	1.043	108.9	.3277	68.19	101.5	398.2	43.21

#1	.0906	.0051	28.09	.0050	<.0000	.0034	.2473
#2	.0906	.0006	28.27	.0140	.0431	<.0000	.1086
#3	.0898	.0006	28.25	.0037	.0150	.0219	.1433
#4	.0921	.0097	28.11	.0178	.0150	.0405	.1086

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.452	.1573	<.0000	<.0000
SDev	.013	.0646	.0012	.0008
%RSD	.9012	41.09	300.9	125.2

#1	1.441	.1642	<.0000	<.0000
#2	1.466	.2462	.0013	<.0000
#3	1.461	.1095	<.0000	.0006
#4	1.441	.1094	<.0000	<.0000

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Method: IECW Sample Name: 830

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Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0007	.0323	.0066	.0120	<.0000	6.329
SDev	.0014	.0091	.0552	.0026	.0007	.0001	.043
%RSD	69.76	1385.	170.7	38.96	5.607	10.00	.6770

#1	<.0000	.0001	.0184	.0091	.0120	<.0000	6.311
#2	<.0000	.0095	.0405	.0078	.0128	<.0000	6.393
#3	<.0000	.0048	.1017	.0065	.0120	<.0000	6.306
#4	<.0000	<.0000	<.0000	.0031	.0111	<.0000	6.305

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0003	.0291	<.0000	1.385
SDev	.0014	.0009	.0015	.0016	.0015	.3781	.019
%RSD	111.5	38.78	50.29	527.9	5.028	19.27	1.387

#1	<.0000	<.0000	<.0000	<.0000	.0303	<.0000	1.383
#2	<.0000	<.0000	<.0000	.0016	.0272	<.0000	1.408
#3	<.0000	<.0000	<.0000	.0017	.0288	<.0000	1.362
#4	<.0000	<.0000	<.0000	<.0000	.0303	<.0000	1.387

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0350	.0033	4.601	.0083	.0140	<.0000	.0426
SDev	.0004	.0026	.029	.0050	.0105	.0240	.0849
%RSD	1.237	79.04	.6193	59.54	75.04	491.9	199.2

#1	.0347	.0056	4.628	.0119	.0190	<.0000	.1120
#2	.0354	.0056	4.597	.0132	.0150	.0044	<.0000
#3	.0347	.0010	4.563	.0029	.0230	.0230	.0080
#4	.0354	.0010	4.617	.0054	<.0000	<.0000	.1120

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6048	<.0000	<.0000	<.0000
SDev	.0103	.1348	.0003	.0005
%RSD	1.699	268.3	27.04	42.12

#1	.5961	.1208	<.0000	<.0000
#2	.6160	<.0000	<.0000	<.0000
#3	.6111	<.0000	<.0000	<.0000
#4	.5961	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 831

Operator: it

Run Time: 02/13/02 15:11:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0227	.0066	.0118	<.0000	6.316
SDev	.0011	.0081	.0673	.0018	.0004	.0001	.017
%RSD	37.30	116.6	296.5	26.55	3.506	9.091	.2653

#1	<.0000	<.0000	.0907	.0051	.0120	<.0000	6.304
#2	<.0000	<.0000	<.0000	.0091	.0120	<.0000	6.325
#3	<.0000	<.0000	.0353	.0058	.0120	<.0000	6.335
#4	<.0000	.0048	.0350	.0065	.0111	<.0000	6.300

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.380
SDev	.0008	.0008	.0018	.0007	.0022	.3536	.011
%RSD	384.5	35.17	48.10	69.71	7.501	14.83	.7856

#1	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.377
#2	<.0000	<.0000	<.0000	<.0000	.0272	<.0000	1.371
#3	.0004	<.0000	<.0000	<.0000	.0272	<.0000	1.396
#4	.0004	<.0000	<.0000	<.0000	.0318	<.0000	1.377

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0373	.0010	4.618	.0051	.0050	<.0000	<.0000
SDev	.0004	.0064	.029	.0062	.0077	.0413	.0749
%RSD	1.163	613.4	.6369	120.2	152.5	434.1	280.8

#1	.0369	.0056	4.600	.0055	<.0000	.0045	.0427
#2	.0369	.0056	4.638	<.0000	<.0000	.0045	<.0000
#3	.0377	<.0000	4.647	.0106	.0070	.0231	<.0000
#4	.0377	.0010	4.587	.0080	.0150	<.0000	.0080

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6260	.1140	<.0000	.0003
SDev	.0177	.1252	.0009	.0008
%RSD	2.836	109.8	31.50	250.7

#1	.6260	.1756	<.0000	.0009
#2	.6410	<.0000	<.0000	.0009
#3	.6360	.2577	<.0000	.0001
#4	.6011	.0387	<.0000	<.0000

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Method: IECW Sample Name: 832

Operator: it

Run Time: 02/13/02 15:13:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0803	.0175	.0281	<.0000	25.45
SDev	.0011	.0093	.0428	.0010	.0000	.0001	.02
%RSD	120.7	3356.	53.32	5.743	.0096	10.00	.0649

#1	<.0000	<.0000	.0694	.0163	.0281	<.0000	25.43
#2	<.0000	.0044	.0414	.0170	.0281	<.0000	25.47
#3	<.0000	<.0000	.1415	.0183	.0281	<.0000	25.45
#4	.0001	.0103	.0691	.0183	.0281	<.0000	25.44

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0004	.0009	.0482	<.0000	8.490
SDev	.0010	.0019	.0012	.0009	.0015	.1538	.033
%RSD	118.0	748.5	277.7	93.36	3.042	279.6	.3894

#1	<.0000	<.0000	.0002	.0002	.0494	<.0000	8.468
#2	<.0000	<.0000	<.0000	.0012	.0463	<.0000	8.533
#3	.0000	<.0000	.0016	.0002	.0478	<.0000	8.461
#4	.0000	.0024	.0011	.0021	.0493	.1009	8.499

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0898	.0051	28.15	.0085	.0040	.0126	.0826
SDev	.0006	.0074	.01	.0043	.0124	.0387	.0592
%RSD	.6856	144.7	.0527	50.13	310.6	307.1	71.67

#1	.0906	<.0000	28.17	.0075	.0150	.0033	.0740
#2	.0891	.0051	28.14	.0037	.0030	.0219	.1432
#3	.0898	.0142	28.16	.0140	.0110	.0592	.1086
#4	.0898	.0051	28.14	.0088	<.0000	<.0000	.0046

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.457	.0821	<.0000	<.0000
SDev	.011	.0500	.0010	.0008
%RSD	.7603	60.94	131.6	37.51

#1	1.461	.1095	<.0000	<.0000
#2	1.461	.0273	<.0000	<.0000
#3	1.466	.1369	<.0000	<.0000
#4	1.441	.0547	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/13/02 15:18:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5095	1.058	.0583	.9883	1.014	1.006	1.030
SDev	.0017	.009	.0541	.0092	.006	.007	.005
%RSD	.3407	.8674	.92168	.9344	.5458	.6860	.4935

#1	.5085	1.052	<.0000	.9947	1.016	1.007	1.028
#2	.5121	1.071	.0596	.9920	1.020	1.014	1.037
#3	.5085	1.051	.1043	.9920	1.013	1.003	1.025
#4	.5090	1.059	.0875	.9746	1.007	.9980	1.029

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.018	1.015	.9996	.9945	1.012	<.0000	1.009
SDev	.002	.007	.0036	.0059	.006	.2635	.014
%RSD	.2249	.7008	.3566	.5902	.5938	24.77	1.349

#1	1.017	1.015	.9981	.9951	1.008	<.0000	.9989
#2	1.021	1.026	1.005	1.002	1.021	<.0000	1.021
#3	1.017	1.011	.9994	.9915	1.011	<.0000	.9957
#4	1.016	1.010	.9962	.9888	1.011	<.0000	1.021

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.012	.9694	.9909	1.036	1.019	1.001	.0900
SDev	.006	.0261	.0124	.007	.021	.058	.1077
%RSD	.5705	2.689	1.254	.6607	2.092	5.756	119.7

#1	1.013	.9308	.9747	1.033	1.010	1.080	<.0000
#2	1.019	.9853	.9920	1.041	.9941	.9499	.1766
#3	1.006	.9853	.9920	1.027	1.042	1.006	.1073
#4	1.010	.9762	1.005	1.041	1.030	.9685	.1420

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8998	1.173	.9875	1.014
SDev	.0213	.159	.0064	.007
%RSD	2.366	13.54	.6486	.6942

#1	.8861	1.378	.9888	1.021
#2	.9310	1.214	.9957	1.019
#3	.8862	1.077	.9847	1.011
#4	.8961	1.022	.9806	1.006

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 02/13/02 15:20:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0019	.0118	<.0000	.0042	.0002	.0006	.0018
SDev	.0013	.0093	.0146	.0028	.0007	.0004	.0012
%RSD	66.67	78.91	948.9	67.89	327.5	59.87	64.62

#1	.0036	.0032	<.0000	.0082	.0010	.0011	.0031
#2	.0021	.0244	<.0000	.0042	.0002	.0006	.0019
#3	.0015	.0126	<.0000	.0022	.0002	.0005	.0021
#4	.0005	.0068	.0193	.0022	<.0000	.0002	.0002

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0017	<.0000	.0056	<.0000	<.0000	.0055
SDev	.0013	.0011	.0019	.0011	.0022	.1174	.0054
%RSD	147.8	63.41	201.6	20.13	94.13	11.04	99.03

#1	.0004	.0018	.0007	.0072	<.0000	<.0000	.0070
#2	<.0000	.0012	.0002	.0054	<.0000	<.0000	<.0000
#3	<.0000	.0007	<.0000	.0054	<.0000	<.0000	.0070
#4	<.0000	.0032	<.0000	.0045	<.0000	<.0000	.0102

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0006	.0374	.0162	.0135	.0110	.0139	.0173
SDev	.0004	.0064	.0228	.0081	.0118	.0186	.0867
%RSD	77.07	17.14	140.5	60.25	107.3	133.6	501.2

#1	.0009	.0420	.0151	.0058	.0230	.0046	.1126
#2	.0009	.0420	.0087	.0238	.0190	.0046	.0086
#3	.0002	.0374	<.0000	.0161	<.0000	.0418	<.0000
#4	.0002	.0284	.0476	.0084	.0030	.0046	.0433

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0821	.0012	.0010
SDev	.0025	.1422	.0015	.0000
%RSD	2.603	173.2	126.7	.0431

#1	<.0000	.1232	.0031	.0010
#2	<.0000	.0137	.0017	.0010
#3	<.0000	.2600	.0003	.0010
#4	<.0000	<.0000	<.0000	.0010