

NYC
Samples

2/27/02 IT

b1k	1646	2370	} Ca + Hardware only
SSTD	1648	2371	
IPC+CB	1649	2372	
LFB+CRB	1650	2373	
1334	IPC+CB	2374	
1437+Lab Dup+spk	LFB+CRB	2491	} our DI water
1438	2388	IPC+CB	
1507	2493+Dup+spk	2773 oe	
1509	2213	2775 oe	
1510	2215	2777 oe	
1547	2226	2779 oe	} water
1548	2228	2781 oe	
1636	2782	IPC+CB	
1637	2809		
IPC+CB	2888		
1638+Lab Dup+spk	2910		
1640	IPC+CB		
1641	2162	} Ca run only	
1642	2163		
1649	2164		
1648	2165		

Reviewed by,
Jb 5/6/02

Reviewed by,

9/6/02

Standardization Rpt.

02/27/02 09:29:17 AM

page

Method: IECW Standard: STD1-Blank

Run Time: 02/27/02 09:27:34

Elem	Ag3280	Al5082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.559	4.401	.3380	.2890	.1810	.2210	4.578
SDev	.005	.006	.0132	.0066	.0011	.0011	.011
%RSD	.3394	.1455	3.895	2.295	.6380	.5225	.2403

#1	1.556	4.396	.3520	.2820	.1800	.2200	4.568
#2	1.554	4.408	.3300	.2880	.1820	.2220	4.588
#3	1.560	4.396	.3460	.2980	.1820	.2200	4.570
#4	1.566	4.406	.3240	.2880	.1800	.2220	4.588

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2815	2.617	1.051	.6795	.0040	6.545	1.451
SDev	.0041	.024	.003	.0041	.0028	.027	.002
%RSD	1.465	.9032	.3248	.6068	70.71	.4064	.1320

#1	.2820	2.600	1.050	.6760	.0040	6.514	1.450
#2	.2860	2.608	1.056	.6820	.0060	6.556	1.448
#3	.2760	2.608	1.052	.6760	.0060	6.536	1.452
#4	.2820	2.652	1.048	.6840	.0000	6.576	1.452

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1000	.1045	2.572	.5100	.7040	.1250	.0960
SDev	.0000	.0010	.020	.0098	.0099	.0048	.0033
%RSD	.0000	.9569	.7955	1.921	1.411	3.809	3.402

#1	.1000	.1040	2.554	.5220	.6920	.1200	.1000
#2	.1000	.1040	2.582	.4980	.7160	.1220	.0960
#3	.1000	.1040	2.556	.5100	.7060	.1280	.0960
#4	.1000	.1060	2.596	.5100	.7020	.1300	.0920

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8875	.1280	.7745	.1420
SDev	.0064	.0091	.0030	.0040
%RSD	.7215	7.103	.3873	2.817

#1	.8900	.1200	.7720	.1400
#2	.8780	.1220	.7780	.1480
#3	.8900	.1400	.7720	.1400
#4	.8920	.1300	.7760	.1400

Standardization Rpt.

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Method: IECW Standard: STD6

Run Time: 02/27/02 09:30:38

Elem	Ag3280
Avge	37.06
SDev	.09
%RSD	.2493

#1	37.16
#2	36.97
#3	37.11
#4	36.99

Standardization Rpt.

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Method: IECW Standard: STD3

Run Time: 02/27/02 09:32:59

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	19.84	191.4	11.84	3.678	11.38	14.21	1.005
SDev	.04	.6	.03	.028	.04	.09	.009
%RSD	.2024	.3286	.2753	.7626	.3519	.6160	.8660

#1	19.86	191.6	11.82	3.642	11.43	14.22	.9960
#2	19.79	190.5	11.81	3.670	11.37	14.08	1.016
#3	19.88	192.0	11.88	3.704	11.38	14.26	1.006
#4	19.83	191.5	11.84	3.696	11.33	14.27	1.000

Elem	Tl1908
Avge	.6660
SDev	.0083
%RSD	1.250

#1	.6640
#2	.6680
#3	.6560
#4	.6760

Standardization Rpt.

02/27/02 09:37:38 AM

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Method: IECW Standard: STD4
Run Time: 02/27/02 09:36:16

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	2.970	26.77	39.94	.5450	4.441
SDev	.067	.07	.19	.0171	.015
%RSD	2.250	.2731	.4698	3.135	.3276
#1	2.984	26.77	40.04	.5200	4.456
#2	3.056	26.84	40.10	.5480	4.448
#3	2.940	26.67	39.67	.5560	4.422
#4	2.900	26.82	39.95	.5560	4.440

Standardization Rpt.

02/27/02 09:40:05 AM

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Method: IECW Standard: STD2

Run Time: 02/27/02 09:38:43

Elem	Sa4934	Ca5179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	23.32	94.63	30.81	109.1	20.89	11.59	7.266
SDev	.07	.29	.05	.3	.07	.02	.026
%RSD	.2927	.3094	.1639	.3056	.3239	.1836	.3610

#1	23.36	94.88	30.85	109.3	20.92	11.62	7.272
#2	23.22	94.21	30.74	108.6	20.79	11.57	7.228
#3	23.35	94.69	30.84	109.1	20.91	11.61	7.276
#4	23.36	94.75	30.80	109.3	20.93	11.58	7.288

Elem	Mn2576	Pb2203	Zn2138
Avge	24.12	5.047	20.95
SDev	.09	.021	.07
%RSD	.3919	.4136	.3248

#1	24.16	5.024	21.01
#2	23.98	5.040	20.86
#3	24.18	5.048	20.95
#4	24.15	5.074	20.99

Standardization Rpt.

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Method: IECW Standard: STD5
Run Time: 02/27/02 09:42:36

Elem V_2924
Avge 27.39
SDev .16
%RSD .6022

#1 27.22
#2 27.59
#3 27.45
#4 27.31

Analysis Report

02/27/02 09:46:48 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/27/02 09:44:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4993	1.032	.0231	.9930	.9982	.9896	1.016
SDev	.0027	.009	.0519	.0076	.0033	.0020	.003
%RSD	.5322	.8787	224.6	.7660	.3278	.1991	.2943

#1	.4955	1.033	.0763	.9828	.9986	.9888	1.012
#2	.5000	1.033	<.0000	.9919	1.000	.9901	1.019
#3	.5000	1.020	.0461	.9971	.9934	.9875	1.017
#4	.5017	1.042	.0154	1.000	1.000	.9921	1.017

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9996	.9956	1.003	.9727	1.010	<.0000	.9849
SDev	.0027	.0039	.002	.0021	.007	.2071	.0099
%RSD	.2649	.3890	.2343	.2118	.6550	77.46	1.003

#1	.9960	.9898	1.000	.9702	1.007	<.0000	.9720
#2	1.001	.9981	1.005	.9732	1.003	<.0000	.9858
#3	.9993	.9972	1.002	.9722	1.012	<.0000	.9961
#4	1.002	.9974	1.004	.9751	1.019	<.0000	.9858

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9946	.9877	.9933	.9992	1.032	.9376	.1061
SDev	.0026	.0185	.0112	.0155	.024	.0600	.0772
%RSD	.2603	1.873	1.128	1.554	2.315	6.398	72.71

#1	.9917	.9667	.9944	1.006	1.050	.9433	.2175
#2	.9976	.9835	1.006	1.017	1.054	.9889	.0839
#3	.9934	.9891	.9944	.9824	1.022	.8521	.0839
#4	.9959	1.012	.9785	.9912	1.004	.9661	.0393

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.049	1.021	.9829	1.003
SDev	.007	.071	.0017	.004
%RSD	.6918	6.991	.1697	.3617

#1	1.041	.9649	.9846	.9993
#2	1.052	1.114	.9839	1.000
#3	1.046	.9649	.9824	1.006
#4	1.058	1.039	.9809	1.006

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TOP MS

Analysis Report

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Method: IECW Sample Name: cb

Run Time: 02/27/02 09:49:02

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0008	.0052	<.0000	.0047	.0009	.0003	<.0000
SDev	.0012	.0156	.0299	.0019	.0005	.0001	.0007
%RSD	144.0	300.9	28.06	39.91	57.70	43.03	54.84

#1	.0003	<.0000	<.0000	.0042	.0013	.0005	<.0000
#2	.0008	<.0000	<.0000	.0049	.0004	.0003	<.0000
#3	.0025	.0275	<.0000	.0072	.0013	.0004	<.0000
#4	<.0000	.0042	<.0000	.0026	.0004	.0002	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0018	.0010	.0049	.0004	<.0000	.0009
SDev	.0014	.0008	.0020	.0009	.0029	.1978	.0020
%RSD	2824000.	45.48	193.1	19.14	683.5	49.92	230.9

#1	<.0000	.0018	.0032	.0042	<.0000	<.0000	.0026
#2	.0008	.0029	<.0000	.0052	.0017	<.0000	<.0000
#3	<.0000	.0014	.0022	.0062	.0034	<.0000	.0026
#4	.0015	.0010	<.0000	.0042	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0196	.0199	.0011	.0276	<.0000	.1336
SDev	.0004	.0054	.0211	.0042	.0150	.0457	.0891
%RSD	200.2	27.34	106.1	383.0	54.44	133.3	66.66

#1	<.0000	.0154	.0023	.0044	.0276	.0342	.1782
#2	.0008	.0154	.0091	.0000	.0461	<.0000	.0000
#3	<.0000	.0210	.0500	.0044	.0276	<.0000	.1781
#4	.0000	.0266	.0182	<.0000	.0092	<.0000	.1782

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0900	.1398	<.0000	.0007
SDev	.0116	.1071	.0015	.0014
%RSD	12.88	76.60	799.3	199.9

#1	.0914	.1491	<.0000	.0000
#2	.0914	.2609	<.0000	.0000
#3	.1027	.1490	.0021	.0029
#4	.0746	.0000	<.0000	.0000

Analysis Report

02/27/02 09:53:46 AM

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Method: IECW Sample Name: lfb

Operator: it

Run Time: 02/27/02 09:52:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0125	.2387	.2190	.2539	.2487	.0484	.0068
SDev	.0012	.0065	.0218	.0016	.0004	.0003	.0020
%RSD	9.265	2.733	9.959	.6142	.1739	.5408	28.82
#1	.0138	.2400	.2018	.2537	.2485	.0487	.0088
#2	.0127	.2452	.2474	.2538	.2485	.0484	.0079
#3	.0110	.2400	.2019	.2560	.2494	.0483	.0062
#4	.0127	.2296	.2248	.2522	.2485	.0481	.0044
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0994	.1023	.2485	.2502	.2632	<.0000	<.0000
SDev	.0052	.0013	.0021	.0019	.0035	.1314	.0090
%RSD	5.231	1.230	.8431	.7575	1.323	5.694	34.94
#1	.0978	.1036	.2506	.2516	.2670	<.0000	<.0000
#2	.0939	.1013	.2501	.2516	.2636	<.0000	<.0000
#3	.1063	.1012	.2465	.2497	.2586	<.0000	<.0000
#4	.0998	.1032	.2470	.2477	.2636	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2515	.1062	.0079	.2537	.2578	.1874	.2550
SDev	.0012	.0096	.0118	.0055	.0168	.0287	.1472
%RSD	.4682	9.004	149.3	2.173	6.523	15.31	57.72
#1	.2532	.1104	.0113	.2526	.2762	.2159	.0879
#2	.2507	.0936	.0227	.2482	.2670	.1931	.3552
#3	.2515	.1160	<.0000	.2526	.2394	.1931	.3998
#4	.2507	.1048	.0022	.2614	.2486	.1475	.1771
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.1562	.4280	.0935	.2513			
SDev	.0097	.0645	.0020	.0012			
%RSD	6.243	15.08	2.113	.4935			
#1	.1646	.3721	.0952	.2527			
#2	.1421	.4839	.0952	.2518			
#3	.1590	.3721	.0914	.2498			
#4	.1590	.4839	.0922	.2508			

Analysis Report

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Method: IECW Sample Name: lrb
 Run Time: 02/27/02 09:55:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0013	<.0000	.0190	.0023	.0006	.0000	<.0000
SDev	.0011	.0138	.0904	.0020	.0004	.0001	.0031
%RSD	84.13	850.5	475.3	88.23	66.62	383.0	330.2
#1	.0020	.0094	<.0000	.0004	.0004	.0001	.0024
#2	.0020	.0094	.1519	.0026	.0013	.0002	<.0000
#3	<.0000	<.0000	<.0000	.0049	.0004	<.0000	<.0000
#4	.0014	<.0000	.0003	.0011	.0004	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0001	.0012	.0020	<.0000	<.0000	.0043
SDev	.0023	.0019	.0014	.0017	.0017	.7008	.0172
%RSD	349.8	2077.	125.8	85.38	200.3	176.9	399.9
#1	.0002	.0007	.0001	.0022	<.0000	.1288	.0232
#2	.0021	.0025	.0032	.0042	<.0000	.0891	.0095
#3	<.0000	<.0000	.0012	.0002	<.0000	<.0000	.0026
#4	<.0000	<.0000	.0001	.0012	.0017	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000	.0000	.0204	<.0000	.0230	.0000	.0223
SDev	.0000	.0028	.0120	.0052	.0146	.0294	.0771
%RSD	753.9	372300.	58.78	1432.	63.22	676900.	346.4
#1	<.0000	<.0000	.0318	.0029	.0322	.0342	.0445
#2	<.0000	<.0000	.0273	.0044	.0368	.0114	.0445
#3	.0000	.0042	.0045	<.0000	.0184	<.0000	<.0000
#4	.0000	<.0000	.0182	<.0000	.0046	<.0000	.0892
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.0492	.1025	<.0000	<.0000			
SDev	.0117	.0827	.0016	.0010			
%RSD	23.76	80.66	172.8	66.65			
#1	.0633	.0745	<.0000	<.0000			
#2	.0520	<.0000	.0006	<.0000			
#3	.0352	.1864	<.0000	<.0000			
#4	.0465	.1491	<.0000	<.0000			

Analysis Report

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Method: IECW Sample Name: 1334

Operator: it

Run Time: 02/27/02 10:34:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0037	.0028	.0053	.0134	<.0000	6.210
SDev	.0013	.0052	.0483	.0033	.0004	.0001	.022
%RSD	91.36	139.9	1733.	61.82	3.205	200.0	.3474

#1	<.0000	.0060	<.0000	.0083	.0136	.0001	6.225
#2	<.0000	.0099	.0293	.0053	.0128	<.0000	6.179
#3	<.0000	.0008	.0218	.0007	.0136	<.0000	6.214
#4	<.0000	<.0000	.0294	.0068	.0136	<.0000	6.223

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0015	.0055	.0346	<.0000	1.336
SDev	.0006	.0015	.0020	.0013	.0024	.3674	.013
%RSD	948.0	299.2	131.3	23.06	6.911	30.16	1.008

#1	<.0000	<.0000	.0014	.0060	.0345	<.0000	1.340
#2	.0008	<.0000	<.0000	.0041	.0362	<.0000	1.329
#3	<.0000	<.0000	.0024	.0050	.0312	<.0000	1.322
#4	.0001	.0014	.0034	.0070	.0362	<.0000	1.353

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0338	.0027	7.599	<.0000	.0092	.0055	.1552
SDev	.0008	.0054	.026	.0094	.0100	.0432	.0853
%RSD	2.360	198.0	.3438	878.6	108.1	789.5	54.96

#1	.0332	<.0000	7.636	<.0000	.0046	<.0000	.0884
#2	.0349	.0097	7.574	<.0000	<.0000	.0340	.1775
#3	.0340	<.0000	7.595	.0070	.0092	.0112	.2666
#4	.0332	.0041	7.590	.0070	.0230	.0340	.0884

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9950	.1748	<.0000	.0011
SDev	.0178	.0827	.0004	.0014
%RSD	1.790	47.29	20.34	130.4

#1	.9725	.2586	<.0000	<.0000
#2	1.006	.0723	<.0000	.0018
#3	1.012	.2214	<.0000	.0028
#4	.9893	.1468	<.0000	<.0000

Analysis Report

02/27/02 10:39:29 AM

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Method: IECW Sample Name: 1437
 Run Time: 02/27/02 10:37:46
 Comment:
 Mode: COND Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0086	<.0000	.0051	.0139	<.0000	6.211
SD	.0036	.0168	.0542	.0013	.0004	.0001	.022
%RSD	942.7	195.4	61.32	25.27	3.110	1966	.3550
#1	<.0000	<.0000	<.0000	.0038	.0136	<.0000	6.181
#2	<.0000	<.0000	<.0000	.0045	.0136	<.0000	6.210
#3	.0024	.0267	<.0000	.0053	.0136	.0001	6.223
#4	.0019	.0190	<.0000	.0068	.0145	.0001	6.231

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0012	<.0000	.0003	.0001	.0307	<.0000	1.355
SD	.0010	.0014	.0014	.0018	.0029	.0789	.012
%RSD	79.08	854.2	422.0	1904.	9.383	70.67	.8667
#1	.0021	<.0000	.0004	<.0000	.0278	<.0000	1.343
#2	.0021	<.0000	<.0000	<.0000	.0312	<.0000	1.357
#3	.0001	.0016	.0014	.0021	.0295	<.0000	1.371
#4	.0008	.0003	.0014	.0011	.0345	<.0000	1.350

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0322	.0027	7.504	.0015	.0196	<.0000	.1329
SD	.0008	.0084	.047	.0067	.0143	.0539	.0514
%RSD	2.479	310.5	.6294	449.1	72.85	85.61	38.69
#1	.0315	<.0000	7.445	<.0000	<.0000	.0112	.1775
#2	.0324	<.0000	7.531	<.0000	.0276	<.0000	.0884
#3	.0315	<.0000	7.552	.0113	.0322	<.0000	.1774
#4	.0332	.0153	7.490	<.0000	.0184	<.0000	.0883

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9992	.1561	<.0000	<.0000
SD	.0253	.1231	.0022	.0009
%RSD	2.534	78.89	105.6	274.3
#1	.9781	.2959	<.0000	.0009
#2	.9837	<.0000	<.0000	<.0000
#3	1.001	.1840	.0005	<.0000
#4	1.034	.1468	<.0000	<.0000

Analysis Report

02/27/02 10:41:56 AM

page 1

Method: IECW Sample Name: 1437lab dup

Operator: it

Run Time: 02/27/02 10:40:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0256	.0055	.0136	<.0000	6.202
SDev	.0010	.0059	.0586	.0022	.0000	.0000	.019
%RSD	43.49	332.3	228.7	39.78	.0157	.0000	.3038
#1	<.0000	<.0000	.0522	.0030	.0136	<.0000	6.225
#2	<.0000	.0034	.0826	.0053	.0136	<.0000	6.207
#3	<.0000	.0021	.0218	.0053	.0136	<.0000	6.197
#4	<.0000	<.0000	<.0000	.0083	.0136	<.0000	6.180
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	<.0000	<.0000	.0320	<.0000	1.365
SDev	.0022	.0020	.0016	.0014	.0035	.0860	.010
%RSD	130.7	1209.	135.3	156.4	10.98	25.64	.7270
#1	.0014	<.0000	.0003	.0011	.0362	<.0000	1.374
#2	<.0000	<.0000	<.0000	<.0000	.0312	<.0000	1.374
#3	<.0000	.0008	<.0000	<.0000	.0278	<.0000	1.357
#4	<.0000	.0027	<.0000	<.0000	.0329	<.0000	1.357
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0322	.0013	7.515	.0008	.0023	<.0000	.0661
SDev	.0008	.0056	.051	.0044	.0088	.0600	.1336
%RSD	2.481	427.7	.6807	578.2	383.4	1013.	202.1
#1	.0315	<.0000	7.520	<.0000	.0092	<.0000	<.0000
#2	.0324	<.0000	7.577	.0070	<.0000	<.0000	.1775
#3	.0315	.0097	7.511	<.0000	.0092	<.0000	<.0000
#4	.0332	<.0000	7.452	<.0000	<.0000	.0797	.1775
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.026	<.0000	<.0000	<.0000			
SDev	.017	.0609	.0007	.0009			
%RSD	1.705	2641.	23.40	70.96			
#1	1.051	<.0000	<.0000	<.0000			
#2	1.012	.0722	<.0000	<.0000			
#3	1.017	<.0000	<.0000	<.0000			
#4	1.023	<.0000	<.0000	<.0000			

Analysis Report

02/27/02 10:48:44 AM

page 1

Method: IECW Sample Name: 1437spk
 Run Time: 02/27/02 10:47:00
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0138	.2800	.2459	.2743	.2680	.0499	6.145
SDev	.0020	.0126	.1082	.0007	.0008	.0001	.013
%RSD	14.24	4.511	43.98	.2646	.3087	.2706	.2088
#1	.0160	.2988	.0861	.2737	.2678	.0501	6.155
#2	.0148	.2755	.2992	.2745	.2686	.0500	6.153
#3	.0131	.2742	.2764	.2753	.2669	.0497	6.127
#4	.0115	.2716	.3220	.2738	.2686	.0498	6.144

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1048	.1045	.2577	.2527	.2940	<.0000	1.345
SDev	.0049	.0015	.0029	.0009	.0029	.4613	.014
%RSD	4.718	1.449	1.145	.3748	.9942	40.15	1.075
#1	.1095	.1060	.2616	.2535	.2982	<.0000	1.360
#2	.1023	.1036	.2575	.2535	.2914	<.0000	1.326
#3	.1082	.1055	.2544	.2515	.2931	<.0000	1.350
#4	.0990	.1028	.2575	.2525	.2931	<.0000	1.345

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2886	.0991	7.501	.2654	.2739	.2042	.3655
SDev	.0010	.0079	.026	.0043	.0080	.0475	.1472
%RSD	.3631	7.986	.6477	1.619	2.912	23.26	40.27
#1	.2888	.1047	7.486	.2639	.2762	.1927	.2652
#2	.2888	.1047	7.504	.2610	.2624	.1472	.2633
#3	.2872	.0991	7.536	.2654	.2762	.2613	.3544
#4	.2897	.0879	7.477	.2712	.2808	.2156	.5771

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	1.237	.4163	.0972	.2574
SDev	.014	.1113	.0021	.0025
%RSD	1.115	26.73	2.128	.9635
#1	1.248	.3697	.0996	.2603
#2	1.248	.2952	.0951	.2546
#3	1.220	.5561	.0981	.2584
#4	1.231	.4443	.0959	.2565

Analysis Report

02/27/02 10:57:00 AM

page 1

Method: IECW Sample Name: 1438
 Run Time: 02/27/02 10:55:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0043	.0134	<.0000	6.276
SDev	.0007	.0039	.0759	.0021	.0004	.0000	.017
%RSD	30.90	160.3	380.8	48.10	3.232	.0000	.2733
#1	<.0000	.0034	<.0000	.0023	.0128	<.0000	6.298
#2	<.0000	<.0000	.0827	.0068	.0136	<.0000	6.278
#3	<.0000	<.0000	<.0000	.0030	.0136	<.0000	6.270
#4	<.0000	<.0000	<.0000	.0053	.0136	<.0000	6.257
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0000	.0010	.0063	.0320	<.0000	1.327
SDev	.0027	.0010	.0019	.0005	.0035	.5727	.007
%RSD	143.2	3987.	194.3	7.882	10.99	42.21	.4907
#1	.0021	.0014	.0029	.0060	.0312	<.0000	1.326
#2	<.0000	<.0000	<.0000	.0070	.0278	<.0000	1.322
#3	<.0000	<.0000	.0024	.0060	.0362	<.0000	1.336
#4	<.0000	<.0000	<.0000	.0060	.0329	<.0000	1.322
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0317	.0027	7.681	.0059	.0196	<.0000	.1441
SDev	.0004	.0054	.035	.0044	.0079	.0132	.0988
%RSD	1.313	197.7	.4524	74.22	40.19	6195.	68.53
#1	.0315	<.0000	7.713	.0099	.0230	<.0000	.1775
#2	.0324	<.0000	7.679	.0070	.0184	.0112	<.0000
#3	.0315	.0041	7.699	.0070	.0092	<.0000	.2221
#4	.0315	.0097	7.633	<.0000	.0276	.0112	.1775
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.018	.0909	<.0000	<.0000			
SDev	.030	.0714	.0000	.0005			
%RSD	2.926	78.49	.0378	143.3			
#1	1.057	<.0000	<.0000	<.0000			
#2	1.001	.1468	<.0000	<.0000			
#3	1.023	.1468	<.0000	<.0000			
#4	.9894	.0723	<.0000	<.0000			

Analysis Report

02/27/02 10:59:46 AM

page 1

Method: IECW Sample Name: 1507

Run Time: 02/27/02 10:58:03

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0015	<.0000	.0041	.0136	<.0000	6.269
SDev	.0022	.0136	.0434	.0016	.0000	.0001	.020
%RSD	108.7	931.8	123.3	37.99	.0148	200.0	.3138

#1	.0013	.0215	<.0000	.0022	.0136	.0001	6.289
#2	<.0000	<.0000	<.0000	.0060	.0136	<.0000	6.282
#3	<.0000	<.0000	<.0000	.0045	.0136	<.0000	6.248
#4	<.0000	<.0000	<.0000	.0038	.0136	<.0000	6.258

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	.0002	<.0000	.0303	<.0000	1.367
SDev	.0005	.0024	.0034	.0014	.0032	.6570	.012
%RSD	556.1	257.9	1637.	156.1	10.68	49.87	.8715

#1	.0001	.0025	.0044	.0011	.0295	<.0000	1.377
#2	.0001	<.0000	<.0000	<.0000	.0329	<.0000	1.350
#3	<.0000	<.0000	.0014	<.0000	.0328	<.0000	1.371
#4	.0008	<.0000	<.0000	<.0000	.0261	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0305	.0027	7.696	.0048	<.0000	<.0000	.0104
SDev	.0008	.0053	.021	.0065	.0168	.0323	.1472
%RSD	2.616	197.7	.2755	135.8	418700.	277.3	1409.

#1	.0307	.0097	7.690	.0099	.0184	<.0000	<.0000
#2	.0315	<.0000	7.670	.0070	.0092	.0112	<.0000
#3	.0299	<.0000	7.704	<.0000	<.0000	.0112	.2221
#4	.0299	.0041	7.720	.0070	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.033	.2772	<.0000	<.0000
SDev	.025	.1838	.0026	.0016
%RSD	2.452	66.31	83.22	148.5

#1	1.062	.3704	.0005	<.0000
#2	1.046	.0723	<.0000	<.0000
#3	1.012	.4822	<.0000	.0009
#4	1.012	.1840	<.0000	<.0000

Analysis Report

02/27/02 11:04:11 AM

page 1

Method: IECW Sample Name: 1509
 Run Time: 02/27/02 11:02:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	.0130	<.0000	6.285
SDev	.0021	.0107	.0888	.0046	.0004	.0001	.011
%RSD	29.20	52.85	184.1	164.6	3.316	40.00	.1745
#1	<.0000	<.0000	.0826	.0083	.0136	<.0000	6.297
#2	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.274
#3	<.0000	<.0000	<.0000	.0030	.0128	<.0000	6.277
#4	<.0000	<.0000	<.0000	.0030	.0128	<.0000	6.291
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	<.0000	.0367	<.0000	1.359
SDev	.0019	.0015	.0021	.0009	.0040	.3793	.023
%RSD	1998.	58.40	74.69	23.03	10.88	15.63	1.673
#1	.0008	<.0000	<.0000	<.0000	.0396	<.0000	1.384
#2	.0021	<.0000	<.0000	<.0000	.0396	<.0000	1.343
#3	<.0000	<.0000	<.0000	<.0000	.0312	<.0000	1.336
#4	.0001	<.0000	<.0000	<.0000	.0362	<.0000	1.371
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0294	<.0000	8.089	.0015	<.0000	<.0000	<.0000
SDev	.0005	.0028	.067	.0055	.0095	.0323	.1455
%RSD	1.638	3475.	.8276	371.0	63.44	56.38	23330.
#1	.0290	.0041	8.170	.0070	<.0000	<.0000	<.0000
#2	.0299	<.0000	8.104	<.0000	<.0000	<.0000	<.0000
#3	.0299	<.0000	8.008	.0055	<.0000	<.0000	.1776
#4	.0290	<.0000	8.074	<.0000	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9584	.1188	<.0000	<.0000			
SDev	.0208	.0826	.0011	.0006			
%RSD	2.168	69.51	19.74	22.18			
#1	.9893	.1840	<.0000	<.0000			
#2	.9500	.1468	<.0000	<.0000			
#3	.9500	<.0000	<.0000	<.0000			
#4	.9443	.1468	<.0000	<.0000			

Analysis Report

02/27/02 11:09:41 AM

page 1

Method: IECW Sample Name: 1510

Run Time: 02/27/02 11:07:57

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0038	.0130	<.0000	6.311
SDev	.0021	.0100	.0435	.0019	.0004	.0001	.017
%RSD	42.28	53.57	676.3	49.13	3.342	54.43	.2644

#1	<.0000	<.0000	<.0000	.0022	.0136	<.0000	6.286
#2	<.0000	<.0000	<.0000	.0045	.0128	<.0000	6.317
#3	<.0000	<.0000	.0447	.0060	.0128	<.0000	6.323
#4	<.0000	<.0000	<.0000	.0023	.0128	<.0000	6.319

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0358	<.0000	1.346
SDev	.0027	.0020	.0009	.0013	.0032	.5310	.008
%RSD	305.0	82.70	94.91	37.91	8.934	22.62	.5666

#1	.0021	<.0000	<.0000	<.0000	.0379	<.0000	1.336
#2	<.0000	<.0000	<.0000	<.0000	.0362	<.0000	1.353
#3	<.0000	<.0000	<.0000	<.0000	.0379	<.0000	1.350
#4	<.0000	<.0000	.0003	<.0000	.0312	<.0000	1.343

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0286	.0013	7.681	.0037	.0035	<.0000	.0105
SDev	.0005	.0032	.037	.0062	.0197	.0186	.0426
%RSD	1.683	244.8	.4848	169.6	569.2	54.09	405.4

#1	.0290	<.0000	7.652	.0128	.0276	<.0000	<.0000
#2	.0282	.0041	7.736	<.0000	<.0000	<.0000	.0439
#3	.0282	.0041	7.670	<.0000	.0092	<.0000	.0439
#4	.0290	<.0000	7.667	.0026	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.002	.2120	<.0000	<.0000
SDev	.012	.1305	.0015	.0006
%RSD	1.158	61.52	29.07	96.31

#1	1.012	.0723	<.0000	<.0000
#2	1.012	.2586	<.0000	<.0000
#3	.9950	.1468	<.0000	<.0000
#4	.9894	.3705	<.0000	<.0000

Analysis Report

02/27/02 11:14:35 AM

page 1

Method: IECW Sample Name: 1547

Run Time: 02/27/02 11:12:51

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0048	.0036	.0130	<.0000	6.356
SDev	.0010	.0137	.0306	.0011	.0004	.0001	.024
%RSD	21.17	159.2	633.7	32.04	3.327	57.73	.3760

#1	<.0000	<.0000	.0297	.0045	.0128	<.0000	6.321
#2	<.0000	<.0000	.0067	.0045	.0128	<.0000	6.376
#3	<.0000	<.0000	<.0000	.0030	.0136	<.0000	6.363
#4	<.0000	.0112	.0217	.0022	.0128	<.0000	6.363

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0026	<.0000	<.0000	<.0000	.0366	<.0000	1.353
SDev	.0006	.0019	.0015	.0018	.0057	.4802	.026
%RSD	24.60	915.4	72.57	62.77	15.68	20.54	1.918

#1	.0034	<.0000	<.0000	<.0000	.0312	<.0000	1.316
#2	.0021	<.0000	<.0000	<.0000	.0345	<.0000	1.371
#3	.0021	<.0000	<.0000	<.0000	.0362	<.0000	1.353
#4	.0027	.0025	<.0000	<.0000	.0447	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0288	.0013	8.164	.0004	.0138	<.0000	.1330
SDev	.0008	.0032	.054	.0085	.0119	.0229	.0891
%RSD	2.766	246.0	.6579	2161.	86.05	99.31	67.04

#1	.0282	.0041	8.142	<.0000	.0184	<.0000	.1776
#2	.0290	<.0000	8.115	<.0000	.0092	<.0000	.1775
#3	.0299	<.0000	8.160	<.0000	.0000	<.0000	.1775
#4	.0282	.0041	8.240	.0128	.0276	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.010	.2586	<.0000	<.0000
SDev	.022	.1427	.0004	.0006
%RSD	2.147	55.20	9.880	96.43

#1	.9894	.2959	<.0000	<.0000
#2	1.012	.4449	<.0000	<.0000
#3	1.001	.1468	<.0000	<.0000
#4	1.040	.1467	<.0000	<.0000

Analysis Report

02/27/02 11:17:34 AM

page 1

Method: IECW Sample Name: 1548
 Run Time: 02/27/02 11:15:50
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0043	.0134	<.0000	6.327
SDev	.0015	.0057	.0329	.0009	.0004	.0001	.025
%RSD	23.19	23.49	85.09	21.86	3.239	40.00	.3965
#1	<.0000	<.0000	<.0000	.0053	.0136	<.0000	6.323
#2	<.0000	<.0000	<.0000	.0045	.0136	<.0000	6.311
#3	<.0000	<.0000	.0070	.0045	.0136	<.0000	6.310
#4	<.0000	<.0000	<.0000	.0030	.0128	<.0000	6.363
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0312	<.0000	1.358
SDev	.0027	.0009	.0016	.0005	.0034	.2595	.011
%RSD	4091.	43.15	86.06	13.67	10.86	9.292	.8370
#1	.0001	<.0000	.0003	<.0000	.0328	<.0000	1.371
#2	.0027	<.0000	<.0000	<.0000	.0328	<.0000	1.360
#3	.0008	<.0000	<.0000	<.0000	.0329	<.0000	1.343
#4	<.0000	<.0000	<.0000	<.0000	.0261	<.0000	1.357
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0297	.0013	7.621	.0044	.0069	<.0000	.1442
SDev	.0004	.0056	.042	.0034	.0138	.0323	.0988
%RSD	1.405	423.1	.5487	78.36	199.9	279.1	68.50
#1	.0299	.0097	7.602	<.0000	.0000	<.0000	.2666
#2	.0290	<.0000	7.586	.0040	.0184	.0113	.0439
#3	.0299	<.0000	7.617	.0070	<.0000	.0113	.1776
#4	.0299	<.0000	7.681	.0070	.0184	<.0000	.0885
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9964	.1934	<.0000	<.0000			
SDev	.0106	.1533	.0009	.0020			
%RSD	1.069	79.27	19.09	243.0			
#1	.9893	<.0000	<.0000	.0018			
#2	1.012	.1841	<.0000	<.0000			
#3	.9894	.3705	<.0000	<.0000			
#4	.9950	.2214	<.0000	<.0000			

Analysis Report

02/27/02 11:20:35 AM

page 1

Method: IECW Sample Name: 1636
 Run Time: 02/27/02 11:18:51
 Comment:
 Mode: CUNC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0028	.0136	<.0000	6.295
SDev	.0013	.0086	.1005	.0011	.0000	.0001	.021
%RSD	25.93	47.62	562.9	40.24	.0180	40.00	.3396
#1	<.0000	<.0000	.0904	.0023	.0136	<.0000	6.276
#2	<.0000	<.0000	<.0000	.0022	.0136	<.0000	6.326
#3	<.0000	<.0000	<.0000	.0045	.0136	<.0000	6.287
#4	<.0000	<.0000	<.0000	.0023	.0136	<.0000	6.291
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0006	<.0000	<.0000	<.0000	.0278	<.0000	1.371
SDev	.0011	.0007	.0016	.0010	.0014	.3636	.013
%RSD	190.5	19.11	60.66	71.09	4.956	14.12	.9824
#1	<.0000	<.0000	<.0000	<.0000	.0261	<.0000	1.374
#2	.0008	<.0000	<.0000	.0001	.0295	<.0000	1.388
#3	.0001	<.0000	<.0000	<.0000	.0278	<.0000	1.357
#4	.0021	<.0000	<.0000	<.0000	.0278	<.0000	1.364
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0307	.0041	4.749	.0073	.0035	<.0000	.1664
SDev	.0007	.0079	.033	.0042	.0127	.0219	.1172
%RSD	2.213	192.4	.6948	57.31	366.9	126.5	70.41
#1	.0307	<.0000	4.743	.0070	<.0000	<.0000	<.0000
#2	.0315	<.0000	4.777	.0026	.0184	<.0000	.2221
#3	.0307	.0153	4.705	.0128	<.0000	.0113	.2667
#4	.0299	.0041	4.771	.0070	.0092	<.0000	.1776
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.7530	.0722	<.0000	<.0000			
SDev	.0130	.1491	.0004	.0008			
%RSD	1.729	206.3	9.877	829.8			
#1	.7417	.1468	<.0000	.0009			
#2	.7417	.1468	<.0000	<.0000			
#3	.7642	<.0000	<.0000	<.0000			
#4	.7642	.1468	<.0000	<.0000			

Analysis Report

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page 1

Method: IECW Sample Name: 1637
 Run Time: 02/27/02 11:21:25
 Comment:
 Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0032	.0143	<.0000	6.408
SDev	.0022	.0163	.0931	.0009	.0004	.0001	.021
%RSD	44.20	115.6	659.3	29.70	3.034	57.73	.3238

#1	<.0000	<.0000	<.0000	.0030	.0136	<.0000	6.433
#2	<.0000	.0008	<.0000	.0022	.0145	<.0000	6.387
#3	<.0000	<.0000	.0222	.0030	.0145	<.0000	6.415
#4	<.0000	<.0000	.0826	.0045	.0145	<.0000	6.396

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0320	<.0000	1.385
SDev	.0020	.0019	.0016	.0013	.0022	.5299	.023
%RSD	755.6	112.9	121.8	58.30	6.825	21.06	1.627

#1	.0027	<.0000	<.0000	<.0000	.0345	<.0000	1.357
#2	.0008	<.0000	<.0000	<.0000	.0295	<.0000	1.384
#3	<.0000	<.0000	<.0000	<.0000	.0311	<.0000	1.388
#4	<.0000	<.0000	.0003	<.0000	.0328	<.0000	1.412

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0321	<.0000	4.865	.0044	.0012	<.0000	.0216
SDev	.0008	.0000	.037	.0051	.0058	.0218	.0575
%RSD	2.479	.6736	.7612	116.1	502.5	54.35	265.7

#1	.0315	<.0000	4.907	.0026	.0000	<.0000	<.0000
#2	.0315	<.0000	4.882	<.0000	<.0000	<.0000	.0438
#3	.0332	<.0000	4.848	.0099	<.0000	<.0000	<.0000
#4	.0324	<.0000	4.823	.0069	.0092	<.0000	.0884

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7290	.2865	<.0000	<.0000
SDev	.0186	.1439	.0020	.0010
%RSD	2.547	50.23	45.28	166.6

#1	.7023	.2213	<.0000	.0009
#2	.7417	.1467	<.0000	<.0000
#3	.7417	.2958	<.0000	<.0000
#4	.7304	.4821	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: ipc
 Run Time: 02/27/02 11:27:20
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4942	1.009	<.0000	.9975	1.002	.9929	1.002
SDev	.0012	.008	.0613	.0066	.004	.0034	.002
%RSD	.2350	.7455	570.2	.6584	.3827	.3408	.2200
#1	.4932	1.012	<.0000	.9888	.9969	.9886	1.001
#2	.4949	1.015	.0538	1.004	1.000	.9938	1.002
#3	.4955	1.011	<.0000	.9964	1.006	.9968	1.004
#4	.4932	.9977	.0236	1.001	1.004	.9924	.9991

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9980	.9946	.9969	.9692	1.011	<.0000	.9428
SDev	.0097	.0063	.0039	.0032	.007	.3192	.0187
%RSD	.9768	.6323	.3940	.3335	.6455	12.59	1.987
#1	.9888	.9887	.9911	.9652	1.005	<.0000	.9549
#2	.9927	.9960	.9983	.9692	1.008	<.0000	.9583
#3	.9993	1.003	.9999	.9732	1.020	<.0000	.9411
#4	1.011	.9908	.9983	.9692	1.012	<.0000	.9170

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9930	1.009	.9973	1.003	.9932	.9776	.1619
SDev	.0034	.016	.0151	.010	.0178	.0437	.0918
%RSD	.3458	1.603	1.515	.9830	1.791	4.468	56.71
#1	.9892	.9891	.9876	.9926	.9805	1.012	.2176
#2	.9926	1.028	.9944	.9970	1.013	1.012	.0839
#3	.9976	1.012	1.019	1.012	.9759	.9205	.2621
#4	.9926	1.006	.9876	1.012	1.004	.9662	.0840

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.013	1.282	.9715	.9957
SDev	.018	.094	.0041	.0049
%RSD	1.756	7.317	.4211	.4945
#1	1.001	1.263	.9681	1.000
#2	1.018	1.412	.9719	.9974
#3	1.035	1.189	.9771	.9965
#4	.9958	1.263	.9689	.9888

Analysis Report

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page 1

Method: IECW Sample Name: cb
 Run Time: 02/27/02 11:29:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0326	.0026	.0009	.0007	<.0000
SDev	.0007	.0088	.0359	.0012	.0005	.0003	.0009
%RSD	23.97	34.35	110.0	46.56	57.62	39.72	15.56

#1	<.0000	<.0000	.0232	.0026	.0013	.0010	<.0000
#2	<.0000	<.0000	.0232	.0026	.0013	.0008	<.0000
#3	<.0000	<.0000	.0002	.0042	.0004	.0006	<.0000
#4	<.0000	<.0000	.0840	.0011	.0004	.0004	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	<.0000	.0017	.0017	<.0000	<.0000
SDev	.0029	.0017	.0017	.0010	.0014	.1723	.0103
%RSD	433.8	215.3	87.72	57.12	81.29	7.499	31.44

#1	.0002	<.0000	<.0000	.0022	.0017	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0022	.0034	<.0000	<.0000
#3	<.0000	.0001	.0001	.0022	.0017	<.0000	<.0000
#4	.0048	.0008	<.0000	.0002	.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0266	.0051	.0048	<.0000	.0172	.0669
SDev	.0011	.0079	.0160	.0050	.0143	.0219	.0257
%RSD	257.0	29.75	312.4	104.5	624.1	127.1	38.41

#1	.0008	.0322	.0046	.0117	<.0000	.0343	.0447
#2	.0000	.0266	<.0000	.0000	<.0000	<.0000	.0892
#3	.0017	.0322	.0091	.0029	<.0000	.0114	.0891
#4	<.0000	.0154	.0227	.0044	.0184	.0343	.0446

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0183	.1398	<.0000	.0014
SDev	.0113	.2553	.0009	.0012
%RSD	61.43	182.6	27.98	85.91

#1	.0240	.0374	<.0000	.0010
#2	.0240	.4473	<.0000	.0029
#3	.0240	<.0000	<.0000	.0019
#4	.0014	.2237	<.0000	.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1638

Operator: it

Run Time: 02/27/02 13:16:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0159	.0290	<.0000	24.50
SDev	.0009	.0060	.1260	.0000	.0004	.0001	.06
%RSD	31.40	90.82	671.3	.0364	1.480	115.5	.2333
#1	<.0000	<.0000	.1681	.0159	.0288	<.0000	24.41
#2	<.0000	<.0000	<.0000	.0159	.0288	.0000	24.50
#3	<.0000	<.0000	<.0000	.0159	.0288	<.0000	24.53
#4	<.0000	.0005	<.0000	.0159	.0296	.0000	24.54
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	.0022	.0009	.0563	1.128	8.160
SDev	.0018	.0005	.0012	.0015	.0017	.359	.017
%RSD	449.8	289.2	54.34	173.7	2.990	31.84	.2094
#1	<.0000	.0000	.0024	<.0000	.0554	.8511	8.149
#2	<.0000	<.0000	.0013	.0016	.0554	.9659	8.145
#3	.0004	.0002	.0013	.0016	.0554	1.042	8.162
#4	.0017	.0008	.0039	.0016	.0588	1.654	8.183
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sr2068	Se1960
Avge	.0833	<.0000	27.69	.0005	<.0000	.0215	.1192
SDev	.0008	.0028	.09	.0055	.0170	.0341	.0923
%RSD	.9565	145.5	.3395	1064.	391800.	158.8	77.43
#1	.0822	<.0000	27.55	.0045	<.0000	.0499	.0409
#2	.0839	<.0000	27.75	<.0000	.0207	<.0000	.2199
#3	.0831	<.0000	27.70	.0045	.0069	.0044	.1751
#4	.0839	<.0000	27.75	.0001	<.0000	.0498	.0408
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.468	.2130	<.0000	.0010			
SDev	.013	.1342	.0010	.0021			
%RSD	.9101	63.00	256.0	210.6			
#1	1.471	.3260	<.0000	<.0000			
#2	1.477	.2130	<.0000	.0037			
#3	1.449	.2883	<.0000	.0017			
#4	1.477	.0245	.0007	<.0000			

Analysis Report

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page 1

Method: IECW Sample Name: 1638lab dup Operator: it
 Run Time: 02/27/02 13:18:18
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0002	.0151	.0294	<.0000	24.67
SDev	.0010	.0064	.0977	.0018	.0004	.0001	.12
%RSD	57.81	558.3	52910.	12.20	1.498	115.5	.4779
#1	<.0000	.0030	<.0000	.0136	.0296	.0000	24.66
#2	<.0000	<.0000	.0384	.0136	.0296	<.0000	24.50
#3	<.0000	<.0000	.0384	.0159	.0296	<.0000	24.72
#4	<.0000	.0056	.0687	.0174	.0287	.0000	24.78
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	.0023	<.0000	.0584	.9945	8.219
SDev	.0014	.0007	.0008	.0015	.0035	.1302	.046
%RSD	198.4	26.65	35.83	1058.	5.970	13.09	.5573
#1	.0004	<.0000	.0033	.0016	.0605	1.157	8.241
#2	<.0000	<.0000	.0023	<.0000	.0554	.8894	8.173
#3	<.0000	<.0000	.0013	.0006	.0622	.8894	8.190
#4	<.0000	<.0000	.0023	<.0000	.0554	1.042	8.272
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0851	<.0000	27.86	<.0000	<.0000	<.0000	.2422
SDev	.0008	.0000	.10	.0057	.0145	.0114	.0259
%RSD	.9749	.1067	.3717	233.7	630.6	875.7	10.68
#1	.0856	<.0000	27.82	<.0000	.0069	.0044	.2198
#2	.0839	<.0000	27.74	.0001	<.0000	.0044	.2646
#3	.0856	<.0000	27.91	.0031	<.0000	<.0000	.2645
#4	.0856	<.0000	27.98	<.0000	.0115	.0044	.2197
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	1.478	.1281	<.0000	.0005			
SDev	.019	.0644	.0011	.0009			
%RSD	1.290	50.31	140.1	173.9			
#1	1.471	.0997	<.0000	.0008			
#2	1.454	.1376	<.0000	<.0000			
#3	1.493	.2129	<.0000	<.0000			
#4	1.493	.0620	<.0000	.0017			

Analysis Report

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page 1

Method: IECW Sample Name: 1638spk
 Run Time: 02/27/02 13:24:39
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0126	.2761	.2348	.2813	.2874	.0510	24.40
SDev	.0006	.0054	.0541	.0027	.0015	.0002	.09
%RSD	4.492	1.958	23.02	.9560	.5101	.3653	.3614
#1	.0128	.2842	.2252	.2798	.2881	.0509	24.40
#2	.0128	.2739	.1796	.2851	.2872	.0509	24.40
#3	.0128	.2726	.2254	.2791	.2855	.0508	24.29
#4	.0117	.2739	.3092	.2813	.2889	.0513	24.51
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1069	.1030	.2601	.2526	.3190	1.071	8.139
SDev	.0037	.0019	.0028	.0005	.0037	.260	.054
%RSD	3.486	1.850	1.070	.1959	1.145	24.29	.6636
#1	.1111	.1041	.2624	.2519	.3224	1.348	8.152
#2	.1085	.1050	.2568	.2528	.3140	.8894	8.128
#3	.1052	.1007	.2589	.2529	.3208	1.234	8.073
#4	.1026	.1024	.2624	.2528	.3190	.8128	8.203
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3422	.0917	27.58	.2659	.2584	.1910	.4534
SDev	.0014	.0032	.15	.0125	.0115	.0286	.0671
%RSD	.4147	3.527	.5496	4.712	4.446	14.98	14.79
#1	.3420	.0945	27.63	.2633	.2641	.1625	.4870
#2	.3428	.0889	27.37	.2618	.2412	.2307	.4870
#3	.3404	.0945	27.37	.2546	.2641	.1853	.3529
#4	.3437	.0889	27.73	.2838	.2641	.1853	.4870
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	1.642	.5044	.1006	.2594			
SDev	.1010	.1932	.0009	.0029			
%RSD	.5955	38.30	.8645	1.103			
#1	1.631	.4384	.0998	.2602			
#2	1.634	.4762	.1013	.2582			
#3	1.631	.7778	.1013	.2563			
#4	1.634	.3253	.0998	.2631			

Analysis Report

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page 1

Method: IECW Sample Name: 1640
 Run Time: 02/27/02 13:27:47
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0108	<.0000	.0060	.0132	<.0000	6.265
SDev	.0012	.0156	.0580	.0014	.0004	.0001	.016
%RSD	58.73	144.6	62.59	22.87	3.265	115.5	.2515
#1	<.0000	<.0000	<.0000	.0075	.0134	<.0000	6.284
#2	<.0000	.0005	<.0000	.0045	.0126	<.0000	6.250
#3	<.0000	.0289	<.0000	.0053	.0134	.0000	6.271
#4	<.0000	.0185	<.0000	.0068	.0134	.0000	6.253
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0004	.0006	.0316	<.0000	1.337
SDev	.0010	.0006	.0026	.0010	.0035	.3018	.009
%RSD	136.3	35.97	748.0	168.1	11.03	50.90	.6612
#1	<.0000	<.0000	.0014	.0001	.0286	<.0000	1.347
#2	.0001	<.0000	<.0000	.0001	.0286	<.0000	1.334
#3	.0001	<.0000	.0029	.0021	.0354	<.0000	1.340
#4	<.0000	<.0000	.0004	.0001	.0337	<.0000	1.327
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0276	<.0000	4.654	.0019	.0218	.0054	.1447
SDev	.0004	.0056	.023	.0051	.0181	.0001	.1285
%RSD	1.511	193.6	.5047	272.5	83.16	.8402	88.79
#1	.0269	.0055	4.679	.0062	.0299	.0055	.1336
#2	.0278	<.0000	4.631	.0033	.0437	.0055	.1336
#3	.0278	<.0000	4.668	<.0000	.0069	.0054	.3124
#4	.0278	<.0000	4.636	.0033	.0069	.0054	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6360	.1014	<.0000	.0009			
SDev	.0165	.1083	.0009	.0009			
%RSD	2.597	106.8	150.0	106.2			
#1	.6529	.0354	<.0000	.0001			
#2	.6136	.2616	<.0000	.0001			
#3	.6416	.0354	.0003	.0021			
#4	.6361	.0731	<.0000	.0011			

Analysis Report

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page 1

Method: IECW Sample Name: 1641

Run Time: 02/27/02 13:29:49

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0027	<.0000	.0038	.0128	<.0000	6.298
SDev	.0008	.0132	.0229	.0006	.0004	.0001	.017
%RSD	21.18	480.9	23.76	16.22	3.383	40.00	.2759

#1	<.0000	<.0000	<.0000	.0038	.0125	<.0000	6.313
#2	<.0000	.0069	<.0000	.0038	.0125	<.0000	6.312
#3	<.0000	.0185	<.0000	.0045	.0134	<.0000	6.287
#4	<.0000	<.0000	<.0000	.0030	.0126	<.0000	6.279

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0341	<.0000	1.326
SDev	.0009	.0011	.0011	.0008	.0025	.3735	.023
%RSD	76.36	35.21	114.6	90.12	7.409	39.45	1.718

#1	<.0000	<.0000	<.0000	<.0000	.0354	<.0000	1.334
#2	<.0000	<.0000	.0004	<.0000	.0320	<.0000	1.313
#3	.0001	<.0000	<.0000	.0001	.0371	<.0000	1.354
#4	<.0000	<.0000	<.0000	<.0000	.0320	<.0000	1.303

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0276	<.0000	4.624	.0037	<.0000	.0111	.1447
SDev	.0004	.0028	.031	.0059	.0102	.0217	.0224
%RSD	1.515	65.08	.6683	159.6	882.8	195.3	15.48

#1	.0278	<.0000	4.650	.0062	<.0000	<.0000	.1783
#2	.0278	<.0000	4.579	<.0000	.0023	.0282	.1335
#3	.0269	<.0000	4.636	.0106	.0069	.0054	.1335
#4	.0278	<.0000	4.631	.0004	.0023	.0282	.1336

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6529	<.0000	<.0000	.0011
SDev	.0229	.0361	.0014	.0008
%RSD	3.505	18.03	141.3	70.88

#1	.6529	<.0000	<.0000	.0001
#2	.6249	<.0000	<.0000	.0011
#3	.6809	<.0000	.0011	.0021
#4	.6529	<.0000	<.0000	.0011

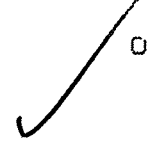
Analysis Report

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Method: IECW Sample Name: 1642
 Run Time: 02/27/02 13:35:19
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0166	.0287	<.0000	24.84
SDev	.0022	.0120	.0712	.0015	.0000	.0001	.08
%RSD	55.50	59.67	163.9	9.088	.0291	81.65	.3264
#1	<.0000	<.0000	.0157	.0174	.0287	<.0000	24.94
#2	<.0000	<.0000	<.0000	.0174	.0287	.0000	24.85
#3	<.0000	<.0000	.0082	.0174	.0287	<.0000	24.74
#4	<.0000	<.0000	<.0000	.0143	.0287	<.0000	24.83
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	.0006	<.0000	.0554	.2964	8.260
SDev	.0011	.0013	.0023	.0005	.0036	.3932	.023
%RSD	1429.	25.15	374.1	23.31	6.573	132.6	.2821
#1	<.0000	<.0000	.0018	<.0000	.0587	.3538	8.289
#2	.0011	<.0000	.0033	<.0000	.0554	.7363	8.268
#3	<.0000	<.0000	<.0000	<.0000	.0503	<.0000	8.241
#4	.0004	<.0000	<.0000	<.0000	.0571	.3156	8.241
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0783	<.0000	28.06	.0078	<.0000	.0158	.0968
SDev	.0004	.0070	.15	.0067	.0284	.0131	.0992
%RSD	.5314	93.61	.5503	85.62	164.9	83.06	102.5
#1	.0781	<.0000	28.29	.0162	<.0000	.0044	<.0000
#2	.0789	<.0000	27.96	.0089	<.0000	.0271	.1750
#3	.0781	<.0000	27.96	.0060	<.0000	.0272	.1304
#4	.0781	<.0000	28.04	.0001	.0161	.0044	.1303
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	1.471	.0903	<.0000	.0005			
SDev	.018	.1751	.0017	.0014			
%RSD	1.248	193.9	98.04	273.3			
#1	1.471	.0997	<.0000	<.0000			
#2	1.448	<.0000	<.0000	.0017			
#3	1.493	.0244	<.0000	<.0000			
#4	1.471	.3259	<.0000	.0017			

Analysis Report

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Method: IECW Sample Name: 1644
 Run Time: 02/27/02 13:38:41
 Comment:
 Mode: CUNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0015	<.0000	.0047	.0130	<.0000	6.259
SDev	.0015	.0019	.1052	.0020	.0005	.0001	.009
%RSD	48.45	133.4	97.61	42.21	3.847	40.00	.1440
#1	<.0000	.0005	.0047	.0030	.0126	<.0000	6.262
#2	<.0000	<.0000	<.0000	.0060	.0126	<.0000	6.264
#3	<.0000	.0031	<.0000	.0068	.0134	<.0000	6.245
#4	<.0000	.0031	<.0000	.0030	.0134	<.0000	6.264
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	<.0000	<.0000	.0312	<.0000	1.346
SDev	.0021	.0015	.0018	.0012	.0043	.4476	.006
%RSD	275.3	41.52	104.1	108.9	13.65	44.16	.4343
#1	.0021	<.0000	<.0000	<.0000	.0303	<.0000	1.354
#2	.0001	<.0000	<.0000	<.0000	.0371	<.0000	1.344
#3	<.0000	<.0000	<.0000	<.0000	.0269	<.0000	1.340
#4	.0027	<.0000	.0009	.0001	.0303	<.0000	1.347
Elem	Mn2576	Mo2020	Na5889	N12316	Pb2203	Sb2068	Se1960
Avge	.0284	<.0000	4.613	.0000	.0011	<.0000	.0552
SDev	.0008	.0000	.016	.0014	.0142	.0227	.1804
%RSD	2.807	.0116	.3537	4857.	1243.	384.6	326.5
#1	.0278	<.0000	4.620	<.0000	<.0000	<.0000	.2678
#2	.0286	<.0000	4.620	.0004	.0207	<.0000	<.0000
#3	.0278	<.0000	4.588	.0019	<.0000	<.0000	.1336
#4	.0294	<.0000	4.622	<.0000	.0023	.0282	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6346	<.0000	<.0000	.0011			
SDev	.0196	.1207	.0014	.0008			
%RSD	3.095	1031.	66.71	70.96			
#1	.6416	.0731	<.0000	.0021			
#2	.6248	.0354	<.0000	.0001			
#3	.6136	.0354	<.0000	.0011			
#4	.6585	<.0000	<.0000	.0011			

Analysis Report

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Method: IECW Sample Name: 1645
 Run Time: 02/27/02 13:42:38
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0043	.0130	<.0000	6.248
SDev	.0005	.0106	.0651	.0018	.0005	.0001	.012
%RSD	16.15	6652.	62.62	41.15	3.834	40.00	.1983
#1	<.0000	<.0000	<.0000	.0030	.0134	<.0000	6.257
#2	<.0000	.0134	<.0000	.0068	.0134	<.0000	6.257
#3	<.0000	.0005	<.0000	.0030	.0126	<.0000	6.231
#4	<.0000	<.0000	<.0000	.0045	.0126	<.0000	6.246
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0329	<.0000	1.346
SDev	.0013	.0012	.0021	.0013	.0022	.2084	.024
%RSD	141.8	39.93	382.2	318.7	6.633	28.29	1.791
#1	.0008	<.0000	.0014	<.0000	.0320	<.0000	1.320
#2	<.0000	<.0000	.0008	.0011	.0337	<.0000	1.378
#3	<.0000	<.0000	<.0000	<.0000	.0354	<.0000	1.347
#4	<.0000	<.0000	<.0000	.0001	.0303	<.0000	1.340
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0278	<.0000	4.678	<.0000	<.0000	<.0000	.0888
SDev	.0000	.0084	.027	.0048	.0124	.0227	.1415
%RSD	.0056	84.93	.5781	337.3	540.6	385.0	159.4
#1	.0278	<.0000	4.647	.0033	<.0000	<.0000	.2678
#2	.0278	<.0000	4.690	<.0000	.0069	<.0000	<.0000
#3	.0278	<.0000	4.665	.0019	.0023	<.0000	.1335
#4	.0278	<.0000	4.709	<.0000	.0023	.0282	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6192	.0354	<.0000	.0013			
SDev	.0102	.1922	.0014	.0005			
%RSD	1.648	542.7	70.45	35.60			
#1	.6080	.1108	<.0000	.0011			
#2	.6304	.0353	<.0000	.0021			
#3	.6248	.2239	<.0000	.0011			
#4	.6136	<.0000	<.0000	.0011			

Analysis Report

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Method: IECW Sample Name: 1646

Operator: it

Run Time: 02/27/02 13:48:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0147	.0292	<.0000	24.78
SDev	.0012	.0119	.0673	.0013	.0005	.0001	.15
%RSD	31.97	113.4	122.4	8.832	1.682	66.67	.6152
#1	<.0000	<.0000	<.0000	.0144	.0288	<.0000	24.68
#2	<.0000	<.0000	<.0000	.0144	.0287	<.0000	24.74
#3	<.0000	<.0000	.0383	.0166	.0296	.0000	25.01
#4	<.0000	<.0000	<.0000	.0136	.0296	<.0000	24.69
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	.0010	<.0000	.0545	.8320	8.225
SDev	.0009	.0019	.0011	.0015	.0029	.3313	.048
%RSD	86.53	58.60	102.9	130.9	5.414	39.82	.5790
#1	<.0000	<.0000	<.0000	<.0000	.0554	.3921	8.183
#2	.0017	<.0000	.0023	<.0000	.0554	1.195	8.220
#3	.0011	<.0000	.0012	<.0000	.0503	.8511	8.292
#4	.0017	<.0000	.0008	<.0000	.0571	.8894	8.203
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0781	<.0000	27.94	.0074	.0034	<.0000	.2310
SDev	.0012	.0056	.14	.0024	.0177	.0132	.0992
%RSD	1.505	62.62	.4963	32.08	515.4	189.2	42.96
#1	.0781	<.0000	27.89	.0075	.0023	.0045	.2646
#2	.0772	<.0000	27.97	.0045	.0115	<.0000	.3540
#3	.0797	<.0000	28.11	.0074	.0207	<.0000	.1303
#4	.0772	<.0000	27.78	.0104	<.0000	.0044	.1751
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	1.463	.2317	<.0000	.0005			
SDev	.025	.2621	.0014	.0009			
%RSD	1.696	113.1	377.1	174.4			
#1	1.437	.2506	<.0000	<.0000			
#2	1.471	<.0000	.0007	.0017			
#3	1.493	.2127	.0007	<.0000			
#4	1.449	.5521	<.0000	.0008			

Analysis Report

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Method: IECW Sample Name: 1648
 Run Time: 02/27/02 13:50:41
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0055	.0130	<.0000	6.217
SDev	.0010	.0138	.0750	.0019	.0005	.0000	.017
%RSD	24.65	123.8	143.2	34.51	3.835	.0000	.2725

#1	<.0000	<.0000	<.0000	.0030	.0134	<.0000	6.232
#2	<.0000	<.0000	<.0000	.0060	.0134	<.0000	6.212
#3	<.0000	<.0000	<.0000	.0053	.0126	<.0000	6.195
#4	<.0000	<.0000	<.0000	.0075	.0126	<.0000	6.228

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0307	<.0000	1.353
SDev	.0010	.0013	.0011	.0000	.0029	.1444	.011
%RSD	249.1	35.24	50.77	.0681	9.376	17.56	.7832

#1	.0001	<.0000	<.0000	<.0000	.0303	<.0000	1.344
#2	.0001	<.0000	<.0000	<.0000	.0337	<.0000	1.368
#3	.0001	<.0000	<.0000	<.0000	.0269	<.0000	1.347
#4	<.0000	<.0000	<.0000	<.0000	.0320	<.0000	1.354

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0282	<.0000	4.634	.0033	<.0000	<.0000	.1224
SDev	.0011	.0000	.030	.0059	.0225	.0601	.0563
%RSD	3.815	.1491	.6430	176.4	980.0	210.3	46.02

#1	.0294	<.0000	4.672	.0062	<.0000	<.0000	.0441
#2	.0269	<.0000	4.640	<.0000	<.0000	<.0000	.1336
#3	.0278	<.0000	4.604	.0062	.0161	<.0000	.1784
#4	.0286	<.0000	4.618	.0062	.0161	.0509	.1336

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6164	.1108	<.0000	.0013
SDev	.0073	.0688	.0008	.0012
%RSD	1.177	62.09	91.77	89.73

#1	.6192	.0731	<.0000	.0001
#2	.6135	.1485	<.0000	.0011
#3	.6248	.0355	<.0000	.0011
#4	.6079	.1862	<.0000	.0030

Analysis Report

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Method: IECW Sample Name: 1649
 Run Time: 02/27/02 13:55:44
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0015	<.0000	.0049	.0132	<.0000	6.192
SDev	.0012	.0044	.0758	.0016	.0004	.0001	.025
%RSD	29.02	300.8	95.70	32.18	3.284	40.00	.3964
#1	<.0000	.0057	<.0000	.0045	.0134	<.0000	6.159
#2	<.0000	.0018	<.0000	.0030	.0134	<.0000	6.188
#3	<.0000	<.0000	<.0000	.0068	.0134	<.0000	6.205
#4	<.0000	.0031	.0276	.0053	.0126	<.0000	6.215
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	<.0000	<.0000	<.0000	.0312	<.0000	1.343
SDev	.0005	.0024	.0009	.0006	.0045	.2306	.010
%RSD	37.99	96.71	35.91	143.2	14.33	21.34	.7611
#1	.0008	<.0000	<.0000	.0001	.0269	<.0000	1.330
#2	.0014	<.0000	<.0000	<.0000	.0371	<.0000	1.354
#3	.0021	.0005	<.0000	.0001	.0286	<.0000	1.341
#4	.0014	<.0000	<.0000	<.0000	.0320	<.0000	1.347
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0313	<.0000	4.624	<.0000	<.0000	<.0000	.0105
SDev	.0004	.0028	.023	.0047	.0155	.0491	.1479
%RSD	1.330	65.23	.4869	326.9	134.6	284.3	1407.
#1	.0311	<.0000	4.604	.0019	<.0000	.0282	<.0000
#2	.0311	<.0000	4.618	.0004	.0115	<.0000	<.0000
#3	.0319	<.0000	4.618	.0004	<.0000	.0055	.1783
#4	.0311	<.0000	4.656	<.0000	<.0000	<.0000	.0441
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6543	.0543	<.0000	.0016			
SDev	.0207	.1393	.0006	.0012			
%RSD	3.160	256.8	51.37	78.13			
#1	.6529	<.0000	<.0000	.0001			
#2	.6809	.0354	<.0000	.0021			
#3	.6304	.0731	<.0000	.0011			
#4	.6529	.2239	<.0000	.0030			

Analysis Report

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Method: IECW Sample Name: 1650

Run Time: 02/27/02 13:59:21

Comment:

Mode: CUNC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0174	.0287	<.0000	24.72
SDev	.0021	.0049	.0379	.0006	.0000	.0001	.10
%RSD	44.68	26.14	83.53	3.567	.0393	40.00	.4237
#1	<.0000	<.0000	<.0000	.0166	.0287	<.0000	24.84
#2	<.0000	<.0000	.0080	.0181	.0287	<.0000	24.69
#3	<.0000	<.0000	<.0000	.0174	.0287	<.0000	24.75
#4	<.0000	<.0000	<.0000	.0174	.0288	<.0000	24.59
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0016	<.0000	.0001	<.0000	.0558	.4590	8.224
SDev	.0011	.0015	.0025	.0015	.0016	.4016	.045
%RSD	71.62	35.49	1867.	91.26	2.920	87.50	.5459
#1	.0011	<.0000	<.0000	<.0000	.0554	<.0000	8.275
#2	.0030	<.0000	.0033	<.0000	.0571	.6598	8.227
#3	.0017	<.0000	.0008	<.0000	.0537	.8128	8.227
#4	.0004	<.0000	<.0000	<.0000	.0571	.4686	8.166
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0816	<.0000	27.91	.0031	<.0000	<.0000	.1192
SDev	.0010	.0028	.14	.0098	.0152	.0114	.1285
%RSD	1.283	59.25	.5035	319.4	264.3	90.23	107.8
#1	.0814	<.0000	28.09	<.0000	<.0000	<.0000	.1303
#2	.0831	<.0000	27.80	.0001	.0115	<.0000	.1303
#3	.0814	<.0000	27.95	.0162	.0023	<.0000	.2646
#4	.0806	<.0000	27.79	.0031	<.0000	.0045	<.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	1.447	.2223	<.0000	.0027			
SDev	.014	.0992	.0013	.0019			
%RSD	.9648	44.62	114.8	71.35			
#1	1.454	.1751	<.0000	.0036			
#2	1.454	.2129	<.0000	.0037			
#3	1.454	.1375	<.0000	.0037			
#4	1.426	.3637	<.0000	<.0000			

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 02/27/02 14:08:01
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4905	1.020	<.0000	.9863	1.001	.9894	1.002
SDev	.0030	.010	.0615	.0073	.004	.0041	.006
%RSD	.6101	1.004	67.56	.7377	.4261	.4162	.5956
#1	.4890	1.025	<.0000	.9842	1.000	.9889	1.005
#2	.4873	1.007	<.0000	.9790	.9958	.9844	.9965
#3	.4918	1.030	<.0000	.9963	1.000	.9898	.9978
#4	.4941	1.016	<.0000	.9857	1.006	.9944	1.009
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9920	.9845	.9860	.9664	1.005	<.0000	.9540
SDev	.0080	.0080	.0028	.0043	.007	.2499	.0119
%RSD	.8052	.8112	.2851	.4452	.6932	26.39	1.243
#1	.9920	.9893	.9871	.9657	.9974	<.0000	.9574
#2	.9848	.9727	.9824	.9627	1.004	<.0000	.9369
#3	.9881	.9864	.9855	.9647	1.004	<.0000	.9643
#4	1.003	.9896	.9891	.9726	1.014	<.0000	.9574
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sn2068	Sr1960
Avge	.9837	.9559	.9763	1.010	1.000	.9623	.0955
SDev	.0031	.0196	.0225	.012	.019	.0430	.1285
%RSD	.3166	2.051	2.300	1.191	1.890	4.471	134.6
#1	.9829	.9798	.9707	1.012	1.013	.9339	<.0000
#2	.9804	.9349	1.009	1.009	.9762	.9567	.1291
#3	.9837	.9461	.9593	.9946	.9946	.9339	.1738
#4	.9879	.9629	.9661	1.024	1.018	1.025	.1738
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9427	1.127	.9708	.9907			
SDev	.0162	.187	.0052	.0031			
%RSD	1.717	16.61	.5371	.3167			
#1	.9567	.9759	.9710	.9946			
#2	.9287	1.014	.9643	.9869			
#3	.9567	1.390	.9710	.9907			
#4	.9286	1.127	.9770	.9907			

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 02/27/02 14:14:35
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SD	.0019	.0212	.0377	.0019	.0005	.0001	.0024
%RSD	170.8	219.0	56.54	70.12	231.8	81.65	138.0
#1	<.0000	<.0000	<.0000	<.0000	.0002	<.0000	<.0000
#2	<.0000	.0039	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0008	.0129	<.0000	<.0000	.0002	.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0015	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
SD	.0016	.0019	.0012	.0017	.0016	.0072	.0076
%RSD	108.8	55.50	84.35	170.8	378.7	72.99	63.33
#1	.0002	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0034	<.0000	<.0000	<.0000	.0008	<.0000	<.0000
#3	.0002	<.0000	<.0000	.0012	.0025	<.0000	<.0000
#4	.0021	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0000	<.0000	<.0000	.0051	.0046	.0228	.1231
SD	.0005	.0073	.0169	.0071	.0242	.0113	.0563
%RSD	64500.	86.27	123.6	137.9	525.7	49.78	45.75
#1	<.0000	.0000	<.0000	<.0000	.0391	.0058	.1343
#2	.0004	<.0000	.0080	.0066	.0023	.0284	.0447
#3	.0004	<.0000	<.0000	.0110	<.0000	.0284	.1789
#4	<.0000	<.0000	<.0000	.0080	<.0000	.0285	.1343
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	<.0000	.0189	<.0000	.0005			
SD	.0121	.1959	.0017	.0009			
%RSD	29.80	1038.	295.8	191.0			
#1	<.0000	.1508	<.0000	<.0000			
#2	<.0000	.0377	.0011	.0012			
#3	<.0000	<.0000	.0004	.0002			
#4	<.0000	.1508	<.0000	.0012			