

NYC Sampler.

2/19/02 *JO*

89.6 = 1906.2	B1K	1136	1232
89.1	55TD	1137	1329
896.7	IPC+CB	1138	1330
13.1	LFB+LRB	1139	1331
78.6	942+Lab Dup+spk	IPC+CB	1332
270	943	LFB+LRB	1333
	944	1140+Lab Dup+spk	
82.8 4xP - 1890.1	947	1141	IPC+CB
22.2	948	1142	LFB+LRB
0 - 1766.5	1003	1153	2319 2913+Dup+spk
	1004	1154	2305 1-710 Na↑
0 = 127	1036	1155	2806 " "
235	1037	1220	2310
	1038	1221	2311
	IPC+CB	1222	2312
	1040+Lab Dup+spk	1223	2313
	1041	IPC+CB	2396
	1042	1224+Lab Dup+spk	
	1044	1225	2397
	1045	1230	IPC+CB
	1046	1231	wipe Bk
			3807x50 = 9.395
			1859.1
			1049 1884.6
			3.925 x 10 (98.4)
			Dup 3.86 x 10 99.1
			104

Reviewed by: *[Signature]*

Standardization Rpt.

02/19/02 08:31:12 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 02/19/02 08:29:29



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.561	4.446	.3780	.2910	.1800	.2200	4.670
SDev	.003	.010	.0094	.0050	.0000	.0000	.002
%RSD	.2189	.2305	2.482	1.730	.0000	.0000	.0410

#1	1.562	4.440	.3760	.2840	.1800	.2200	4.670
#2	1.560	4.436	.3660	.2920	.1800	.2200	4.672
#3	1.564	4.458	.3880	.2960	.1800	.2200	4.672
#4	1.556	4.452	.3820	.2920	.1800	.2200	4.668

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2780	2.693	1.068	.6830	-.0010	6.469	1.474
SDev	.0063	.022	.006	.0020	.0012	.012	.008
%RSD	2.275	.8347	.5513	.2928	115.5	.1846	.5124

#1	.2760	2.712	1.060	.6840	-.0020	6.472	1.484
#2	.2820	2.668	1.070	.6840	-.0020	6.452	1.472
#3	.2700	2.680	1.068	.6800	.0000	6.480	1.466
#4	.2840	2.712	1.074	.6840	.0000	6.472	1.472

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1015	.1115	2.480	.4895	.7420	.1330	.1070
SDev	.0010	.0041	.022	.0134	.0106	.0020	.0048
%RSD	.9852	3.698	.8939	2.738	1.426	1.504	4.449

#1	.1020	.1160	2.488	.4940	.7400	.1320	.1060
#2	.1020	.1140	2.458	.4880	.7520	.1320	.1040
#3	.1000	.1080	2.508	.5040	.7480	.1360	.1040
#4	.1020	.1080	2.468	.4720	.7280	.1320	.1140

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7615	.1320	.7820	.1520
SDev	.0060	.0046	.0016	.0033
%RSD	.7843	3.499	.2088	2.149

#1	.7640	.1280	.7820	.1560
#2	.7680	.1360	.7800	.1480
#3	.7540	.1280	.7840	.1520
#4	.7600	.1360	.7820	.1520

Standardization Rpt.

02/19/02 08:33:07 AM

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Method: IECW Standard: STD6
Run Time: 02/19/02 08:31:45

Elem Ag3280
Avge 39.82
SDev .13
%RSD .3251

#1 39.68
#2 39.75
#3 39.88
#4 39.97

Standardization Rpt.

02/19/02 08:36:27 AM

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Method: IECW Standard: STD3

Run Time: 02/19/02 08:34:44

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	21.38	204.9	12.77	4.233	11.88	15.48	1.171
SDev	.02	.4	.02	.010	.05	.02	.011
%RSD	.1032	.1902	.1682	.2455	.4525	.1294	.9803

#1	21.40	205.4	12.78	4.228	11.93	15.47	1.160
#2	21.35	204.9	12.78	4.222	11.83	15.49	1.184
#3	21.37	204.5	12.78	4.246	11.91	15.47	1.176
#4	21.39	204.9	12.74	4.236	11.83	15.51	1.162

Elem	Tl1908
Avge	.7820
SDev	.0340
%RSD	4.350

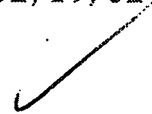
#1	.7720
#2	.7680
#3	.8320
#4	.7560

Standardization Rpt.

02/19/02 08:38:42 AM

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Method: IECW Standard: STD4
Run Time: 02/19/02 08:37:20



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	3.597	29.52	43.10	.6640	4.655
SDev	.007	.05	.06	.0247	.007
%RSD	.2056	.1859	.1344	3.713	.1544

#1	3.596	29.46	43.08	.6680	4.644
#2	3.606	29.56	43.15	.6640	4.660
#3	3.588	29.49	43.03	.6320	4.656
#4	3.598	29.58	43.14	.6920	4.658

Standardization Rpt.

02/19/02 08:42:40 AM

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Method: IECW Standard: STD2

Run Time: 02/19/02 08:41:18

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	24.30	101.9	34.22	119.9	22.88	12.05	7.810
SDev	.13	.6	.20	.8	.13	.03	.034
%RSD	.5441	.5470	.5976	.6314	.5490	.2159	.4393

#1	24.36	102.2	34.22	120.1	22.93	12.04	7.810
#2	24.46	102.5	34.48	120.9	23.02	12.08	7.852
#3	24.17	101.3	33.98	119.2	22.75	12.03	7.768
#4	24.22	101.5	34.20	119.6	22.80	12.02	7.808

Elem	Mn2576	Pb2203	Zn2138
Avge	26.15	5.599	24.11
SDev	.17	.035	.13
%RSD	.6584	.6293	.5492

#1	26.20	5.564	24.15
#2	26.37	5.640	24.27
#3	25.97	5.576	23.98
#4	26.07	5.616	24.02

Standardization Rpt.

02/19/02 08:47:04 AM

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Method: IECW Standard: STD5
Run Time: 02/19/02 08:45:42

Elem V_2924
Avge 29.30
SDev .09
%RSD .3173

#1 29.21
#2 29.40
#3 29.22
#4 29.35

Analysis Report

02/19/02 08:56:43 AM

page 1

Method: IECW Sample Name: ipc
 Run Time: 02/19/02 08:54:56
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4999	1.027	<.0000	.9943	.9891	.9827	1.004
SDev	.0009	.006	.1269	.0095	.0039	.0041	.005
%RSD	.1813	.5501	1807	.9605	.3902	.4182	.5461

#1	.4991	1.024	.0257	.9833	.9837	.9771	.9981
#2	.4991	1.033	<.0000	.9943	.9896	.9830	1.002
#3	.5007	1.021	.1130	.9929	.9904	.9840	1.004
#4	.5007	1.031	.0194	1.007	.9929	.9868	1.011

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K17664	Mg2790
Avge	.9852	.9894	.9913	.9584	1.008	<.0000	.9900
SDev	.0077	.0033	.0037	.0040	.006	.1848	.0117
%RSD	.7853	.3322	.3726	.4177	.5868	250.0	1.183

#1	.9759	.9902	.9868	.9525	1.003	.1293	.9852
#2	.9818	.9880	.9901	.9597	1.017	<.0000	.9757
#3	.9906	.9860	.9930	.9597	1.007	<.0000	.9979
#4	.9924	.9936	.9954	.9615	1.007	<.0000	1.001

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9834	.9755	1.001	1.004	.9931	.9751	<.0000
SDev	.0038	.0128	.011	.014	.0232	.0274	.0836
%RSD	.3904	1.314	1.071	1.393	2.335	2.809	59.29

#1	.9776	.9646	.9860	.9922	.9632	.9363	<.0000
#2	.9853	.9694	.9989	.9935	1.004	.9944	<.0000
#3	.9853	.9743	1.010	1.022	1.017	.9751	<.0000
#4	.9853	.9938	1.007	1.010	.9880	.9944	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.020	1.099	.9771	.9955
SDev	.025	.106	.0033	.0089
%RSD	2.496	9.624	.3336	.8915

#1	1.009	1.137	.9728	.9843
#2	.9884	1.231	.9784	.9959
#3	1.040	1.013	.9770	.9959
#4	1.040	1.013	.9805	1.006

Analysis Report

02/19/02 08:59:14 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 02/19/02 08:57:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0064	.0017	<.0000	<.0000	<.0000
SDev	.0018	.0092	.0605	.0016	.0004	.0003	.0034
%RSD	112.2	72.25	945.9	94.31	50.00	95.63	85.87

#1	<.0000	<.0000	<.0000	.0015	<.0000	.0001	<.0000
#2	<.0000	<.0000	.0408	.0029	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0029	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0655	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0008	<.0000	<.0000
SDev	.0018	.0010	.0014	.0017	.0049	.5886	.0080
%RSD	155.5	468.6	80.39	58.92	618.1	37.04	59.23

#1	<.0000	.0003	<.0000	<.0000	.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0002	<.0000	<.0000	.0078	<.0000	<.0000
#4	.0009	.0003	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0256	<.0000	.0077	.0124	.0291	<.0000
SDev	.0004	.0146	.0270	.0019	.0217	.0224	.1236
%RSD	50.04	56.86	75.13	24.58	175.2	76.82	151.9

#1	<.0000	.0439	<.0000	.0090	.0144	.0097	.0815
#2	<.0000	.0293	<.0000	.0050	<.0000	.0098	<.0000
#3	<.0000	.0195	<.0000	.0090	.0310	.0485	<.0000
#4	<.0000	.0098	<.0000	.0077	.0227	.0485	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0000
SDev	.0177	.1134	.0012	.0007
%RSD	80.20	1467.	57.75	58280.

#1	<.0000	.1165	<.0000	.0008
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0000
#4	.0026	.0544	<.0000	.0000

Analysis Report

02/19/02 09:08:46 AM

page 1

Method: IECW Sample Name: 1fb

Operator: it

Run Time: 02/19/02 09:06:54

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0199	.2772	.2813	.2498	.2504	.0489	.0132
SDev	.0016	.0140	.0957	.0010	.0008	.0001	.0010
%RSD	7.895	5.064	34.02	.3899	.3312	.1999	7.910

#1	.0180	.2666	.2256	.2498	.2500	.0488	.0144
#2	.0212	.2927	.2253	.2485	.2500	.0488	.0137
#3	.0212	.2855	.4237	.2505	.2517	.0490	.0123
#4	.0191	.2642	.2504	.2505	.2500	.0488	.0123

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1045	.1059	.2546	.2501	.2738	.7858	.0237
SDev	.0029	.0026	.0047	.0015	.0045	.3868	.0087
%RSD	2.740	2.490	1.841	.6159	1.643	49.22	36.87

#1	.1052	.1035	.2549	.2480	.2711	.4203	.0181
#2	.1082	.1057	.2606	.2516	.2805	1.298	.0276
#3	.1017	.1097	.2539	.2507	.2726	.8589	.0149
#4	.1028	.1049	.2492	.2498	.2711	.5665	.0340

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2530	.0874	.0493	.2536	.2478	.2657	.2762
SDev	.0018	.0028	.0156	.0077	.0147	.0404	.0358
%RSD	.7226	3.205	31.67	3.024	5.935	15.20	12.96

#1	.2518	.0850	.0509	.2476	.2478	.3142	.2584
#2	.2526	.0898	.0552	.2636	.2354	.2559	.2583
#3	.2557	.0898	.0637	.2556	.2684	.2172	.3299
#4	.2518	.0850	.0273	.2476	.2395	.2754	.2584

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1950	.2027	.0999	.2546
SDev	.0149	.1066	.0016	.0052
%RSD	7.661	52.55	1.557	2.040

#1	.1755	.1949	.0980	.2571
#2	.2067	.1636	.0994	.2471
#3	.2067	.1010	.1008	.2588
#4	.1910	.3514	.1015	.2554

Analysis Report

02/19/02 09:20:19 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 02/19/02 09:18:19

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0042	.0205	.0369	.0009	.0010	.0001	.0045
SDev	.0015	.0039	.0411	.0010	.0004	.0001	.0007
%RSD	36.08	19.22	111.3	119.9	40.05	46.19	15.35

#1	.0055	.0151	<.0000	<.0000	.0012	.0002	.0053
#2	.0029	.0211	.0679	.0017	.0012	.0001	.0045
#3	.0055	.0246	.0307	.0017	.0012	.0002	.0043
#4	.0029	.0211	.0679	.0003	.0004	.0001	.0037

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0013	.0014	<.0000	<.0000	1.014	.0253
SDev	.0010	.0018	.0020	.0007	.0024	.437	.0130
%RSD	688.6	134.1	138.2	136000.	85.41	43.08	51.42

#1	<.0000	.0025	<.0000	.0009	<.0000	.3838	.0087
#2	<.0000	.0015	.0026	<.0000	<.0000	1.371	.0372
#3	.0015	.0025	.0036	<.0000	<.0000	1.224	.0340
#4	.0003	<.0000	<.0000	<.0000	<.0000	1.078	.0214

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	.0466	.0007	.0072	.0193	<.0000
SDev	.0004	.0101	.0178	.0051	.0170	.0430	.0686
%RSD	198.8	69.34	38.10	773.7	235.3	222.5	153.0

#1	<.0000	<.0000	.0359	.0047	.0124	.0630	<.0000
#2	<.0000	<.0000	.0595	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0638	<.0000	<.0000	.0048	<.0000
#4	<.0000	<.0000	.0273	.0047	.0289	.0436	.0447

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0507	<.0000	.0014	<.0000
SDev	.0085	.0808	.0012	.0014
%RSD	16.72	68.83	85.39	76230.

#1	.0403	<.0000	.0019	.0017
#2	.0610	<.0000	.0012	<.0000
#3	.0506	<.0000	.0026	<.0000
#4	.0507	<.0000	<.0000	<.0000

Analysis Report

02/19/02 09:26:36 AM

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Method: IECW Sample Name: 942

Operator: it

Run Time: 02/19/02 09:24:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0053	.0362	.0427	.0126	.0278	.0001	21.72
SDev	.0003	.0015	.0467	.0008	.0004	.0000	.15
%RSD	4.947	4.107	109.4	6.781	1.444	.0000	.6929
#1	.0051	.0382	.0752	.0124	.0280	.0001	21.88
#2	.0051	.0359	.0877	.0124	.0280	.0001	21.69
#3	.0057	.0347	.0195	.0137	.0280	.0001	21.77
#4	.0051	.0359	<.0000	.0117	.0272	.0001	21.53
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0002	.0054	.0127	.0532	3.289	7.177
SDev	.0011	.0013	.0013	.0015	.0027	.199	.056
%RSD	136.3	654.7	24.91	12.06	5.098	6.052	.7851
#1	.0023	.0000	.0044	.0130	.0508	3.490	7.224
#2	<.0000	.0004	.0054	.0121	.0555	3.344	7.145
#3	.0011	.0017	.0072	.0148	.0555	3.308	7.224
#4	<.0000	<.0000	.0044	.0112	.0508	3.015	7.113
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0929	<.0000	24.50	.0092	.0165	<.0000	.0770
SDev	.0013	.0084	.14	.0073	.0197	.0194	.0774
%RSD	1.411	82.45	.5683	79.65	119.2	318.5	100.4
#1	.0947	<.0000	24.68	.0109	.0041	.0036	.0054
#2	.0924	<.0000	24.45	.0189	.0289	.0036	.0770
#3	.0916	.0019	24.53	.0042	.0372	.0036	.1844
#4	.0931	<.0000	24.35	.0029	<.0000	<.0000	.0412
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.735	<.0000	.0034	.0013			
SDev	.027	.0787	.0007	.0012			
%RSD	1.551	404.2	20.98	91.61			
#1	1.759	<.0000	.0023	.0030			
#2	1.712	<.0000	.0037	.0013			
#3	1.759	.0900	.0037	.0005			
#4	1.712	<.0000	.0037	.0005			

Analysis Report

02/19/02 09:30:08 AM

page 1

Method: IECW Sample Name: 942lab dup

Run Time: 02/19/02 09:26:50

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0051 ⁵⁷	.0394 ³⁶²	.0628	.0112	.0278 ²⁷⁸	.0001	21.61 ¹¹²
SD	.0020	.0085	.0203	.0017	.0004	.0001	.22 ¹¹²
%RSD	38.06	21.59	32.26	15.35	1.422	46.19	1.019
#1	.0057	.0418	.0876	.0110	.0272	.0001	21.31
#2	.0072	.0477	.0627	.0131	.0280	.0001	21.56
#3	.0025	.0276	.0629	.0117	.0280	.0002	21.77
#4	.0051	.0406	.0380	.0089	.0280	.0002	21.78
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0008	.0010	.0049	.0121 ¹²⁷	.0528 ⁵³²	3.344	7.174 ¹¹⁷
SD	.0015	.0013	.0011	.0007	.0041	.255	.054
%RSD	179.6	127.9	21.65	6.139	7.788	7.624	.7465
#1	.0011	.0028	.0063	.0130	.0493	3.564	7.110
#2	.0011	.0004	.0049	.0121	.0555	3.527	7.151
#3	.0023	.0014	.0044	.0112	.0492	3.015	7.227
#4	<.0000	<.0000	.0039	.0121	.0571	3.271	7.208
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0926 ⁹²⁷	<.0000	24.39 ²⁴⁷⁰	.0042	.0020	<.0000	.0949
SD	.0007	.0061	.27	.0039	.0160	.0400	.0620
%RSD	.7895	53.52	1.103	93.00	782.0	3205.	65.33
#1	.0916	<.0000	24.02	.0016	.0206	<.0000	.0412
#2	.0924	<.0000	24.36	.0002	<.0000	<.0000	.1844
#3	.0931	<.0000	24.55	.0069	<.0000	.0424	.0770
#4	.0931	<.0000	24.62	.0082	.0082	.0230	.0770
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	1.716	.0353	.0028	.0017			
SD	.023	.1703	.0014	.0014			
%RSD	1.336	482.2	51.26	84.95			
#1	1.691	.2154	.0044	.0030			
#2	1.702	<.0000	.0016	.0030			
#3	1.733	.0900	.0016	.0005			
#4	1.738	.0274	.0037	.0005			

Analysis Report

02/19/02 09:36:51 AM

page 1

Method: IECW Sample Name: 942spk

Operator: it

Run Time: 02/19/02 09:34:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Fe3130	Ca3179
Avge	.0194	.2841	.2594	.2698	.2729	.0488	21.12
SDev	.0017	.0076	.0581	.0030	.0004	.0002	.04
%RSD	8.901	2.670	22.41	1.125	.1524	.3268	.2016

#1	.0193	.2779	.2579	.2722	.2735	.0488	21.10
#2	.0172	.2874	.2578	.2654	.2727	.0486	21.07
#3	.0214	.2933	.3321	.2708	.2727	.0490	21.17
#4	.0198	.2779	.1898	.2708	.2727	.0488	21.11

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1016	.1004	.2518	.2502	.3071	2.961	7.014
SDev	.0031	.0013	.0025	.0010	.0030	.361	.020
%RSD	3.051	1.260	.9818	.4161	.9746	12.20	.2792

#1	.1060	.1003	.2534	.2493	.3048	2.540	7.006
#2	.0990	.1021	.2482	.2511	.3079	3.162	7.002
#3	.1013	.1002	.2520	.2511	.3110	3.344	7.044
#4	.1001	.0990	.2534	.2493	.3048	2.796	7.006

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3386	.0857	23.95	.2542	.2354	.2355	.2729
SDev	.0016	.0083	.05	.0083	.0000	.0274	.1615
%RSD	.4674	9.693	.2079	3.275	.0012	11.63	59.17

#1	.3388	.0894	23.97	.2418	.2354	.2161	.3982
#2	.3365	.0748	23.92	.2592	.2354	.2355	.3624
#3	.3388	.0943	24.02	.2592	.2354	.2742	.2907
#4	.3404	.0845	23.91	.2565	.2354	.2161	.0401

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.897	.4576	.0986	.2515
SDev	.010	.0899	.0018	.0024
%RSD	.5248	19.65	1.779	.9532

#1	1.889	.5906	.0984	.2534
#2	1.910	.4028	.0991	.2484
#3	1.899	.4340	.1005	.2534
#4	1.889	.4028	.0963	.2509

Analysis Report

02/19/02 09:39:52 AM

page 1

Method: IECW Sample Name: 943

Operator: it

Run Time: 02/19/02 09:38:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0043	.0396	.0574	.0029	.0147	.0001	6.137
SDev	.0018	.0085	.0560	.0026	.0007	.0001	.009
%RSD	40.50	21.41	97.52	92.57	4.598	46.19	.1445

#1	.0017	.0274	.0049	.0013	.0147	.0001	6.146
#2	.0049	.0464	.0170	.0013	.0147	.0002	6.125
#3	.0054	.0440	.0852	.0020	.0156	.0002	6.139
#4	.0054	.0404	.1224	.0068	.0139	.0001	6.137

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0015	.0035	.0041	.0347	1.809	1.367
SDev	.0029	.0014	.0020	.0004	.0024	.158	.006
%RSD	448.5	98.49	56.55	10.91	6.777	8.728	.4635

#1	<.0000	.0004	.0018	.0044	.0320	1.590	1.370
#2	<.0000	.0001	.0018	.0044	.0367	1.955	1.357
#3	<.0000	.0032	.0056	.0044	.0335	1.882	1.370
#4	.0038	.0022	.0047	.0035	.0367	1.809	1.370

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0337	<.0000	7.025	.0020	.0072	.0190	.0439
SDev	.0011	.0073	.031	.0050	.0123	.0367	.0970
%RSD	3.226	84.59	.4420	252.7	171.0	192.8	220.7

#1	.0329	<.0000	6.983	.0057	<.0000	.0433	.0798
#2	.0352	<.0000	7.028	.0017	.0206	<.0000	.0797
#3	.0337	<.0000	7.059	<.0000	.0041	.0239	.1156
#4	.0329	<.0000	7.031	.0057	.0124	.0433	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9842	<.0000	.0024	.0026
SDev	.0170	.1038	.0003	.0016
%RSD	1.726	99.74	14.68	60.44

#1	.9842	<.0000	.0019	.0049
#2	.9842	<.0000	.0026	.0016
#3	.9634	.0368	.0026	.0016
#4	1.005	<.0000	.0026	.0024

Analysis Report

02/19/02 09:44:07 AM

page 1

Method: IECW Sample Name: 944

Operator: it

Run Time: 02/19/02 09:42:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0047	.0360	.0404	.0020	.0145	.0001	6.332
SDev	.0017	.0100	.0546	.0019	.0004	.0000	.019
%RSD	35.36	27.78	135.0	92.58	2.853	.0000	.2999

#1	.0033	.0262	.0049	.0034	.0147	.0001	6.357
#2	.0059	.0345	<.0000	.0027	.0139	.0001	6.313
#3	.0064	.0333	.1040	.0027	.0147	.0001	6.325
#4	.0033	.0499	.0666	<.0000	.0147	.0001	6.335

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0022	.0022	.0059	.0288	1.736	1.352
SDev	.0015	.0018	.0012	.0009	.0018	.352	.014
%RSD	186.2	84.85	55.25	14.56	6.292	20.27	1.021

#1	.0002	.0011	.0027	.0053	.0272	1.334	1.363
#2	.0026	.0035	.0004	.0071	.0272	2.175	1.363
#3	.0014	.0039	.0028	.0062	.0304	1.809	1.348
#4	<.0000	.0001	.0028	.0053	.0304	1.626	1.335

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0296	<.0000	7.525	.0080	.0206	<.0000	.0529
SDev	.0004	.0084	.029	.0032	.0165	.0475	.0942
%RSD	1.296	85.64	.3910	39.37	80.06	319.5	177.9

#1	.0298	<.0000	7.558	.0083	.0124	<.0000	<.0000
#2	.0291	<.0000	7.511	.0123	.0124	.0433	.0082
#3	.0298	<.0000	7.492	.0057	.0454	.0045	.1872
#4	.0298	<.0000	7.539	.0057	.0124	<.0000	.0439

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.006	.1464	.0026	.0022
SDev	.014	.1921	.0010	.0010
%RSD	1.360	131.3	38.69	47.80

#1	.9946	.0055	.0019	.0032
#2	1.005	.0055	.0019	.0024
#3	1.026	.4125	.0040	.0007
#4	.9999	.1620	.0026	.0024

Analysis Report

02/19/02 09:46:43 AM

page 1

Method: IECW Sample Name: 947

Run Time: 02/19/02 09:44:59

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0051	.0496	.0015	.0029	.0147	.0001	6.137
SDev	.0007	.0127	.0272	.0023	.0000	.0001	.064
%RSD	13.17	25.63	1849.	79.18	.0419	50.00	1.042
#1	.0043	.0309	.0420	<.0000	.0147	.0001	6.162
#2	.0049	.0582	<.0000	.0034	.0147	.0001	6.182
#3	.0059	.0571	<.0000	.0027	.0147	.0002	6.042
#4	.0054	.0523	<.0000	.0054	.0147	.0001	6.162
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0022	.0031	.0010	.0343	1.645	1.385
SDev	.0005	.0023	.0004	.0011	.0030	.460	.020
%RSD	212.7	101.4	14.41	116.3	8.757	27.96	1.426
#1	<.0000	.0004	.0028	<.0000	.0335	1.298	1.363
#2	.0002	.0015	.0037	.0026	.0304	1.444	1.398
#3	.0008	.0056	.0028	.0008	.0367	2.321	1.373
#4	.0002	.0015	.0032	.0007	.0367	1.517	1.405
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0323	<.0000	7.950	.0030	.0144	.0239	<.0000
SDev	.0004	.0024	.088	.0050	.0156	.0224	.0686
%RSD	1.186	18.03	1.112	167.0	108.3	93.90	150.4
#1	.0321	<.0000	7.981	.0030	.0041	.0433	.0440
#2	.0329	<.0000	7.983	<.0000	.0041	.0045	<.0000
#3	.0321	<.0000	7.820	.0043	.0124	.0432	<.0000
#4	.0321	<.0000	8.017	.0083	.0372	.0045	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.023	.0915	.0027	.0001			
SDev	.009	.1778	.0012	.0004			
%RSD	.8781	194.3	43.75	379.5			
#1	1.015	.3499	.0012	<.0000			
#2	1.036	.0680	.0026	<.0000			
#3	1.021	<.0000	.0040	.0007			
#4	1.021	<.0000	.0033	<.0000			

Analysis Report

02/19/02 09:56:10 AM

page 1

Method: IECW Sample Name: 1003
 Run Time: 02/19/02 09:54:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0084	<.0000	.0053	.0135	<.0000	6.172
SDev	.0005	.0127	.0547	.0009	.0004	.0000	.013
%RSD	218.3	150.5	75.44	16.39	3.084	.0000	.2050

#1	<.0000	<.0000	<.0000	.0051	.0137	<.0000	6.159
#2	.0004	.0260	<.0000	.0064	.0137	<.0000	6.163
#3	<.0000	.0034	<.0000	.0044	.0129	<.0000	6.180
#4	<.0000	.0081	<.0000	.0051	.0137	<.0000	6.185

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	.0347	<.0000	1.361
SDev	.0007	.0008	.0010	.0007	.0027	.1657	.020
%RSD	142.2	116.0	89.59	195.1	7.808	47.84	1.452

#1	.0016	<.0000	<.0000	<.0000	.0308	<.0000	1.339
#2	.0004	<.0000	<.0000	.0005	.0371	<.0000	1.352
#3	.0004	<.0000	.0001	<.0000	.0355	<.0000	1.383
#4	<.0000	<.0000	<.0000	<.0000	.0355	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0341	<.0000	7.549	<.0000	<.0000	.0191	.1766
SDev	.0007	.0063	.046	.0044	.0159	.0244	.1358
%RSD	2.158	478.5	.6074	132.5	763.2	127.5	76.90

#1	.0335	.0060	7.524	<.0000	<.0000	.0240	.0703
#2	.0342	.0011	7.543	<.0000	.0103	.0239	.2120
#3	.0335	<.0000	7.615	<.0000	.0104	.0433	.3539
#4	.0350	<.0000	7.513	<.0000	<.0000	<.0000	.0702

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9751	<.0000	<.0000	.0003
SDev	.0151	.0682	.0013	.0008
%RSD	1.549	49.98	114.3	248.1

#1	.9883	<.0000	<.0000	<.0000
#2	.9621	<.0000	<.0000	.0014
#3	.9620	<.0000	.0003	.0005
#4	.9882	<.0000	<.0000	<.0000

Analysis Report

02/19/02 09:59:33 AM

page 1

Method: IECW Sample Name: 1004

Operator: it

Run Time: 02/19/02 09:57:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0189	<.0000	.0071	.0133	<.0000	6.163
SDev	.0015	.0092	.0623	.0022	.0005	.0000	.035
%RSD	306.0	48.92	409.6	31.42	3.579	.0000	.5601
#1	<.0000	.0081	<.0000	.0071	.0129	<.0000	6.133
#2	<.0000	.0224	<.0000	.0099	.0129	<.0000	6.135
#3	.0015	.0296	.0390	.0044	.0137	<.0000	6.199
#4	<.0000	.0153	.0144	.0071	.0137	<.0000	6.187
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0023	.0002	<.0000	.0001	.0363	<.0000	1.371
SDev	.0013	.0008	.0006	.0024	.0033	.2620	.025
%RSD	57.04	410.0	42.41	3245.	8.995	84.78	1.806
#1	.0004	.0012	<.0000	.0005	.0371	<.0000	1.342
#2	.0027	<.0000	<.0000	<.0000	.0324	<.0000	1.371
#3	.0027	.0003	<.0000	.0032	.0355	<.0000	1.403
#4	.0033	<.0000	<.0000	<.0000	.0402	<.0000	1.368
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0327	<.0000	7.933	.0013	<.0000	.0384	.1943
SDev	.0006	.0049	.069	.0079	.0149	.0185	.2037
%RSD	1.919	369.0	.8684	592.4	130.5	48.18	104.9
#1	.0327	.0060	7.951	<.0000	<.0000	.0239	.3539
#2	.0327	<.0000	7.834	<.0000	<.0000	.0626	.1411
#3	.0319	<.0000	7.995	.0067	.0103	.0432	.3538
#4	.0335	<.0000	7.951	.0093	<.0000	.0239	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.9764	<.0000	.0003	.0016			
SDev	.0156	.0699	.0011	.0010			
%RSD	1.594	48.47	406.2	66.76			
#1	.9621	<.0000	.0003	.0014			
#2	.9725	<.0000	.0003	.0005			
#3	.9986	<.0000	.0017	.0014			
#4	.9725	<.0000	<.0000	.0030			

Analysis Report

02/19/02 10:02:13 AM

page 1

Method: IECW Sample Name: 948

Operator: it

Run Time: 02/19/02 10:00:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0218	<.0000	.0061	.0137	<.0000	6.143
SDev	.0011	.0122	.0438	.0013	.0000	.0001	.011
%RSD	219.8	55.90	72.62	21.49	.0118	33.33	.1762

#1	.0009	.0177	<.0000	.0058	.0137	<.0000	6.145
#2	<.0000	.0391	<.0000	.0071	.0137	<.0000	6.145
#3	<.0000	.0105	<.0000	.0044	.0137	<.0000	6.153
#4	<.0000	.0201	<.0000	.0071	.0137	<.0000	6.127

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	.0001	<.0000	.0003	.0339	<.0000	1.369
SDev	.0016	.0013	.0016	.0015	.0034	.4373	.018
%RSD	233.2	2105.	352.8	514.3	9.968	89.82	1.334

#1	<.0000	.0010	.0001	.0023	.0386	<.0000	1.383
#2	<.0000	.0013	<.0000	<.0000	.0323	<.0000	1.383
#3	.0010	<.0000	<.0000	<.0000	.0339	<.0000	1.364
#4	.0027	<.0000	.0011	.0005	.0308	<.0000	1.345

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0335	.0060	7.587	.0003	<.0000	.0094	.2297
SDev	.0011	.0000	.018	.0075	.0274	.0695	.0614
%RSD	3.244	.1254	.2347	2307.	220.1	740.8	26.73

#1	.0335	.0060	7.595	.0067	<.0000	.1013	.2475
#2	.0327	.0060	7.585	<.0000	<.0000	.0238	.2474
#3	.0350	.0060	7.563	<.0000	<.0000	<.0000	.1411
#4	.0327	.0060	7.604	.0067	.0186	<.0000	.2829

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9686	<.0000	<.0000	.0003
SDev	.0137	.0892	.0009	.0008
%RSD	1.417	213.6	117.6	249.1

#1	.9673	.0844	.0003	.0005
#2	.9882	<.0000	<.0000	<.0000
#3	.9568	<.0000	<.0000	<.0000
#4	.9621	<.0000	<.0000	.0014

Analysis Report

02/19/02 10:07:05 AM

page 1

Method: IECW Sample Name: 1036

Run Time: 02/19/02 10:05:22

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0129	.0082	.0049	.0131	<.0000	6.132
SDev	.0012	.0038	.0259	.0013	.0004	.0000	.035
%RSD	154.3	29.18	316.5	26.37	3.160	.0000	.5735

#1	.0004	.0177	<.0000	.0058	.0129	<.0000	6.143
#2	<.0000	.0105	.0020	.0058	.0129	<.0000	6.081
#3	<.0000	.0093	.0393	.0030	.0137	<.0000	6.163
#4	<.0000	.0141	.0144	.0051	.0129	<.0000	6.143

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	<.0000	.0005	.0320	<.0000	1.347
SDev	.0015	.0022	.0011	.0007	.0015	.2637	.006
%RSD	132.5	1489.	90.79	140.0	4.705	49.41	.4516

#1	<.0000	.0003	<.0000	.0005	.0308	<.0000	1.352
#2	.0016	<.0000	<.0000	<.0000	.0339	<.0000	1.339
#3	.0027	.0012	<.0000	.0005	.0324	<.0000	1.345
#4	.0010	.0013	.0001	.0014	.0308	<.0000	1.352

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0325	<.0000	4.517	.0030	<.0000	.0481	.1500
SDev	.0004	.0073	.053	.0054	.0256	.0290	.1698
%RSD	1.181	7441.	1.181	179.3	274.6	60.33.	113.2

#1	.0327	<.0000	4.498	.0107	.0103	.0239	.0702
#2	.0327	<.0000	4.450	<.0000	<.0000	.0239	.2121
#3	.0319	.0108	4.565	.0027	.0103	.0820	<.0000
#4	.0327	<.0000	4.555	<.0000	<.0000	.0626	.3539

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6968	<.0000	<.0000	.0012
SDev	.0108	.0815	.0009	.0010
%RSD	1.547	111.2	68.19	90.76

#1	.6850	<.0000	<.0000	.0022
#2	.6955	<.0000	<.0000	.0014
#3	.7112	<.0000	<.0000	<.0000
#4	.6955	.0214	<.0000	.0014

Analysis Report

02/19/02 10:09:42 AM

page 1

Method: IECW Sample Name: 1037

Operator: it

Run Time: 02/19/02 10:07:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0150	.0221	.0070	.0135	<.0000	6.125
SDev	.0018	.0148	.0536	.0021	.0004	.0000	.017
%RSD	1850.	98.92	242.2	30.46	3.078	.0000	.2772

#1	<.0000	<.0000	<.0000	.0051	.0129	<.0000	6.123
#2	<.0000	.0224	.0081	.0099	.0137	<.0000	6.131
#3	.0025	.0320	<.0000	.0071	.0137	<.0000	6.102
#4	<.0000	.0058	.1015	.0058	.0137	<.0000	6.143

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0003	<.0000	<.0000	.0304	<.0000	1.363
SDev	.0019	.0012	.0014	.0014	.0024	.4771	.020
%RSD	857.0	370.6	313.0	224.9	7.718	66.17	1.457

#1	<.0000	<.0000	<.0000	<.0000	.0339	<.0000	1.387
#2	.0027	.0013	<.0000	<.0000	.0292	<.0000	1.342
#3	.0004	.0007	.0016	.0014	.0292	<.0000	1.352
#4	<.0000	.0007	<.0000	<.0000	.0292	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0323	<.0000	4.494	<.0000	<.0000	.0384	.1411
SDev	.0004	.0115	.026	.0029	.0218	.0186	.0579
%RSD	1.375	453.8	.5698	214.9	175.2	48.30	41.03

#1	.0319	.0060	4.457	<.0000	<.0000	.0627	.0702
#2	.0327	<.0000	4.505	<.0000	<.0000	.0239	.1411
#3	.0327	.0060	4.516	<.0000	.0186	.0239	.1411
#4	.0319	<.0000	4.498	.0027	<.0000	.0433	.2121

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7346	<.0000	<.0000	.0007
SDev	.0157	.2037	.0010	.0008
%RSD	2.137	784.0	434.1	108.0

#1	.7268	.0213	<.0000	<.0000
#2	.7268	.0845	.0010	.0014
#3	.7582	<.0000	.0003	.0014
#4	.7268	.1160	<.0000	.0005

Analysis Report

02/19/02 10:12:59 AM

page 1

Method: IECW Sample Name: 1038

Run Time: 02/19/02 10:11:15

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0254	.0178	.0297	<.0000	24.84
SDev	.0017	.0100	.0157	.0020	.0004	.0000	.22
%RSD	185.5	931.9	61.73	11.49	1.333	.0000	.8697

#1	<.0000	.0103	.0098	.0172	.0291	<.0000	24.57
#2	.0012	.0019	.0222	.0172	.0299	<.0000	25.10
#3	<.0000	<.0000	.0225	.0159	.0300	<.0000	24.84
#4	<.0000	<.0000	.0472	.0207	.0299	<.0000	24.87

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0018	<.0000	.0004	<.0000	.0658	.8989	8.427
SDev	.0028	.0011	.0024	.0020	.0045	.4028	.072
%RSD	156.2	141.7	581.6	311.6	6.853	44.81	.8513

#1	.0024	.0007	.0031	.0000	.0710	1.030	8.355
#2	.0036	<.0000	.0001	.0018	.0662	1.405	8.523
#3	.0036	<.0000	<.0000	<.0000	.0600	.5056	8.396
#4	<.0000	<.0000	.0011	<.0000	.0662	.6554	8.431

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.1092	.0007	27.97	<.0000	.0041	.0180	.1999
SDev	.0011	.0097	.17	.0050	.0124	.0243	.0339
%RSD	1.056	1461.	.6241	239.8	300.5	135.0	16.97

#1	.1082	.0055	27.71	<.0000	.0186	.0228	.1733
#2	.1082	<.0000	28.08	<.0000	<.0000	.0422	.2441
#3	.1097	.0055	28.04	.0049	<.0000	<.0000	.1733
#4	.1105	.0055	28.05	<.0000	.0103	.0229	.2087

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.618	.2703	<.0000	.0006
SDev	.013	.1636	.0018	.0008
%RSD	.8262	60.53	243.7	138.1

#1	1.603	.3888	<.0000	.0010
#2	1.634	.4201	.0014	.0010
#3	1.613	.0732	<.0000	<.0000
#4	1.623	.1994	<.0000	.0010

Analysis Report

02/19/02 10:21:52 AM

page 1

Method: IECW Sample Name: ipc
 Run Time: 02/19/02 10:20:08
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5014	1.043	.0503	.9716	.9786	.9857	.9926
SDev	.0027	.005	.0724	.0028	.0030	.0030	.0026
%RSD	.5350	.4971	144.0	.2926	.3046	.3066	.2648

#1	.5051	1.038	.0565	.9750	.9813	.9887	.9955
#2	.4989	1.047	<.0000	.9682	.9746	.9816	.9891
#3	.5004	1.039	.1498	.9723	.9804	.9869	.9930
#4	.5010	1.047	.0067	.9709	.9779	.9856	.9928

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.000	.9908	.9903	.9544	1.004	<.0000	.9937
SDev	.004	.0017	.0037	.0023	.006	.4086	.0274
%RSD	.4474	.1719	.3753	.2363	.5768	138.4	2.757

#1	1.001	.9912	.9950	.9533	1.006	<.0000	1.012
#2	.9941	.9885	.9869	.9533	.9950	<.0000	.9770
#3	1.002	.9907	.9917	.9578	1.006	<.0000	.9643
#4	1.005	.9926	.9878	.9533	1.007	.2060	1.022

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9852	.9354	.9460	1.021	1.002	1.027	.1366
SDev	.0052	.0145	.0191	.008	.022	.035	.0290
%RSD	.5304	1.552	2.019	.7659	2.174	3.441	21.21

#1	.9902	.9293	.9628	1.030	1.021	1.066	.1011
#2	.9780	.9195	.9455	1.019	1.004	.9881	.1366
#3	.9856	.9390	.9194	1.023	.9710	1.007	.1721
#4	.9872	.9536	.9563	1.011	1.012	1.046	.1365

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.005	1.021	.9743	.9990
SDev	.013	.222	.0038	.0042
%RSD	1.342	21.76	.3917	.4150

#1	.9993	.9660	.9766	1.004
#2	.9889	.9346	.9689	.9965
#3	1.010	1.345	.9745	.9948
#4	1.020	.8398	.9773	1.001

Analysis Report

02/19/02 10:23:57 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 02/19/02 10:22:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0010	.0012	<.0000	.0060	.0008	.0009	<.0000
SDev	.0023	.0081	.0444	.0034	.0004	.0005	.0026
%RSD	219.8	680.5	101.9	56.28	49.85	49.65	24.93

#1	.0021	.0042	<.0000	.0109	.0010	.0016	<.0000
#2	.0000	<.0000	<.0000	.0034	.0010	.0009	<.0000
#3	<.0000	<.0000	<.0000	.0048	.0002	.0006	<.0000
#4	.0037	.0113	<.0000	.0048	.0010	.0006	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0032	.0024	<.0000	.0043	.0024	<.0000	<.0000
SDev	.0022	.0014	.0026	.0015	.0027	.5567	.0164
%RSD	68.61	59.09	157.1	34.37	113.8	41.00	1033.

#1	.0028	.0038	<.0000	.0061	.0020	<.0000	.0048
#2	.0028	.0014	.0000	.0043	<.0000	<.0000	<.0000
#3	.0010	.0010	<.0000	.0025	.0051	<.0000	<.0000
#4	.0063	.0036	.0009	.0043	.0035	<.0000	.0175

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0012	.0438	<.0000	.0040	.0062	.0532	.0975
SDev	.0004	.0115	.0268	.0086	.0159	.0250	.0340
%RSD	33.28	26.25	83.78	214.9	255.3	46.90	34.83

#1	.0013	.0596	<.0000	.0124	.0104	.0629	.1064
#2	.0013	.0450	<.0000	.0097	<.0000	.0242	.0709
#3	.0006	.0353	<.0000	<.0000	<.0000	.0436	.1419
#4	.0013	.0352	<.0000	.0003	.0269	.0822	.0709

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	<.0000	.0012	.0023
SDev	.0150	.0546	.0021	.0010
%RSD	104.3	36.45	170.6	41.98

#1	<.0000	<.0000	.0018	.0015
#2	<.0000	<.0000	.0004	.0031
#3	<.0000	<.0000	<.0000	.0015
#4	.0026	<.0000	.0039	.0031

Analysis Report

02/19/02 10:29:19 AM

page 1

Method: IECW Sample Name: 1040

Operator: it

Run Time: 02/19/02 10:27:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0003	.0141	.0019	.0065	.0135	<.0000	6.166
SDev	.0005	.0062	.0153	.0015	.0004	.0001	.050
%RSD	170.7	44.17	787.3	22.93	3.080	33.33	.8169

#1	<.0000	.0093	.0206	.0065	.0137	<.0000	6.169
#2	<.0000	.0153	<.0000	.0044	.0137	<.0000	6.224
#3	.0004	.0224	<.0000	.0071	.0129	<.0000	6.170
#4	.0009	.0093	.0082	.0078	.0137	<.0000	6.101

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0018	.0006	<.0000	.0008	.0312	<.0000	1.374
SDev	.0020	.0013	.0019	.0015	.0015	.2082	.008
%RSD	109.0	214.5	132.6	205.4	4.823	26.80	.5972

#1	.0027	.0024	<.0000	.0023	.0292	<.0000	1.383
#2	.0016	<.0000	.0001	.0005	.0308	<.0000	1.371
#3	<.0000	.0008	<.0000	<.0000	.0323	<.0000	1.377
#4	.0039	<.0000	<.0000	.0014	.0324	<.0000	1.364

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0319	.0048	4.529	.0050	<.0000	.0723	.1854
SDev	.0000	.0061	.044	.0048	.0141	.0112	.0671
%RSD	.0019	128.6	.9671	96.01	340.8	15.44	36.20

#1	.0319	.0108	4.537	.0093	<.0000	.0820	.1411
#2	.0319	.0060	4.572	<.0000	.0103	.0626	.1411
#3	.0319	<.0000	4.539	.0040	.0021	.0819	.1765
#4	.0319	.0060	4.468	.0080	<.0000	.0626	.2830

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.7137	<.0000	<.0000	.0012
SDev	.0091	.1864	.0008	.0008
%RSD	1.269	550.2	193.5	69.17

#1	.7111	<.0000	.0003	.0022
#2	.7268	.1475	<.0000	.0005
#3	.7059	.0844	<.0000	.0005
#4	.7111	<.0000	.0003	.0014

Analysis Report

02/19/02 10:31:30 AM

page 1

Method: IECW Sample Name: 1040lab dup Operator: it
 Run Time: 02/19/02 10:29:46
 Comment:
 Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0251 ¹⁴¹	<.0000	.0073	.0137 ¹³⁵	<.0000	6.199 ^{6.166}
SDev	.0014	.0039	.0490	.0023	.0000	.0001	.033
%RSD	248.0	15.67	1710.	31.01	.0254	46.19	.5252
#1	.0020	.0212	<.0000	.0058	.0137	<.0000	6.212
#2	<.0000	.0272	.0204	.0085	.0137	<.0000	6.238
#3	.0015	.0224	<.0000	.0099	.0137	<.0000	6.182
#4	<.0000	.0296	.0515	.0051	.0137	<.0000	6.165
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	.0008	<.0000	.0019	.0288 ³²	<.0000	1.384 ^{1.374}
SDev	.0008	.0001	.0008	.0005	.0024	.1081	.025
%RSD	41.24	10.76	77.58	27.76	8.140	15.19	1.841
#1	.0016	.0008	<.0000	.0023	.0276	<.0000	1.409
#2	.0021	.0008	<.0000	.0014	.0308	<.0000	1.390
#3	.0027	.0007	<.0000	.0023	.0261	<.0000	1.348
#4	.0010	.0008	<.0000	.0014	.0308	<.0000	1.390
Elem	Mn2576 ⁹	Mo2020	Na5889	Ni2316 ^{4.529}	Pb2203	Sb2068	Se1960
Avge	.0325	<.0000	4.586	.0073	.0062	.0674	.1677
SDev	.0007	.0073	.026	.0054	.0143	.0244	.0786
%RSD	2.259	6814.	.5600	73.54	231.4	36.12	46.89
#1	.0319	.0060	4.604	.0067	.0103	.1013	.0702
#2	.0335	<.0000	4.598	.0107	.0186	.0626	.2120
#3	.0319	<.0000	4.594	<.0000	<.0000	.0626	.1411
#4	.0327	.0060	4.548	.0120	.0103	.0432	.2474
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.7163	<.0000	<.0000	.0009			
SDev	.0147	.0302	.0007	.0014			
%RSD	2.060	46.10	91.12	152.7			
#1	.7372	<.0000	<.0000	.0022			
#2	.7163	<.0000	<.0000	<.0000			
#3	.7059	<.0000	<.0000	<.0000			
#4	.7058	<.0000	.0003	.0022			

Analysis Report

02/19/02 10:41:35 AM

page 1

Method: IECW Sample Name: 1040spk

Operator: it

Run Time: 02/19/02 10:39:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0168	.2702	.3045	.2628	.2551	.0480	6.035
SDev	.0013	.0075	.0474	.0053	.0015	.0003	.049
%RSD	7.793	2.764	15.55	2.038	.5920	.7245	.8048

#1	.0182	.2797	.3588	.2682	.2567	.0485	6.103
#2	.0167	.2678	.2471	.2655	.2559	.0480	6.038
#3	.0151	.2619	.2906	.2559	.2534	.0477	6.002
#4	.0172	.2714	.3216	.2614	.2542	.0478	5.998

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1020	.1012	.2472	.2400	.2764	.0000	1.344
SDev	.0020	.0031	.0027	.0026	.0035	.2725	.018
%RSD	1.972	3.008	1.081	1.084	1.256	32.69	1.314

#1	.1041	.1037	.2488	.2432	.2799	<.0000	1.364
#2	.1029	.1037	.2502	.2405	.2752	<.0000	1.339
#3	.1017	.0976	.2450	.2396	.2721	<.0000	1.352
#4	.0994	.0998	.2450	.2369	.2784	<.0000	1.323

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2786	.0897	4.468	.2474	.2484	.2795	.3793
SDev	.0037	.0046	.044	.0044	.0079	.0185	.1339
%RSD	1.319	5.190	.9886	1.784	3.193	6.622	35.29

#1	.2838	.0933	4.502	.2417	.2505	.2940	.3527
#2	.2784	.0836	4.442	.2471	.2588	.2746	.2109
#3	.2753	.0933	4.420	.2524	.2422	.2553	.4237
#4	.2769	.0885	4.509	.2484	.2422	.2940	.5300

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8549	.2258	.0954	.2499
SDev	.0198	.1831	.0012	.0028
%RSD	2.312	81.08	1.274	1.103

#1	.8836	<.0000	.0971	.2535
#2	.8419	.3363	.0950	.2493
#3	.8523	.1785	.0943	.2501
#4	.8419	.3994	.0950	.2468

Analysis Report

02/19/02 10:43:56 AM

page 1

Method: IECW Sample Name: 1041

Run Time: 02/19/02 10:42:12

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0192	.0438	.0064	.0135	<.0000	6.195
SDev	.0016	.0076	.0436	.0024	.0004	.0001	.012
%RSD	965.7	39.77	99.39	37.71	3.072	50.00	.1896

#1	<.0000	.0236	.0515	.0064	.0137	<.0000	6.182
#2	<.0000	.0105	.0952	.0030	.0129	<.0000	6.191
#3	.0015	.0153	.0392	.0085	.0137	<.0000	6.196
#4	.0015	.0272	<.0000	.0078	.0137	<.0000	6.210

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0020	.0015	<.0000	.0019	.0316	<.0000	1.376
SDev	.0022	.0019	.0020	.0005	.0033	.5048	.015
%RSD	111.5	127.6	1829.	27.76	10.33	40.84	1.106

#1	.0045	.0027	.0020	.0023	.0355	<.0000	1.380
#2	<.0000	<.0000	<.0000	.0023	.0277	<.0000	1.364
#3	.0016	.0003	.0011	.0014	.0324	<.0000	1.364
#4	.0027	.0034	<.0000	.0014	.0308	<.0000	1.396

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0329	.0060	4.560	.0050	.0062	.0578	.1322
SDev	.0004	.0000	.037	.0044	.0219	.0243	.0838
%RSD	1.166	.0923	.8171	88.25	353.3	42.12	63.36

#1	.0335	.0060	4.542	<.0000	.0103	.0819	.0701
#2	.0327	.0060	4.600	.0053	<.0000	.0239	.1411
#3	.0327	.0060	4.581	.0040	.0352	.0626	.0702
#4	.0327	.0060	4.518	.0107	<.0000	.0626	.2474

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7098	<.0000	.0003	.0018
SDev	.0026	.0446	.0006	.0008
%RSD	.3690	106.8	202.7	46.81

#1	.7059	<.0000	<.0000	.0014
#2	.7111	<.0000	.0003	.0014
#3	.7111	.0213	.0003	.0014
#4	.7111	<.0000	.0010	.0030

Analysis Report

02/19/02 10:50:42 AM

page 1

Method: IECW Sample Name: 1042

Operator: it

Run Time: 02/19/02 10:48:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0014	.0236	.0670	.0186	.0297	<.0000	25.01
SDev	.0015	.0045	.0309	.0018	.0004	.0001	.11
%RSD	105.4	19.01	46.18	9.486	1.383	230.9	.4218

#1	.0017	.0222	.0655	.0207	.0291	.0000	24.95
#2	<.0000	.0245	.0593	.0166	.0299	<.0000	24.89
#3	.0033	.0293	.1089	.0193	.0299	.0000	25.11
#4	.0012	.0186	.0345	.0179	.0299	<.0000	25.08

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0039	.0026	.0024	.0018	.0627	.8052	8.461
SDev	.0022	.0013	.0024	.0007	.0023	.3364	.039
%RSD	56.50	51.54	97.95	40.04	3.729	41.77	.4554

#1	.0024	.0019	.0044	.0018	.0599	.5805	8.457
#2	.0030	.0014	<.0000	.0009	.0615	.4682	8.431
#3	.0030	.0045	.0039	.0018	.0646	1.180	8.517
#4	.0071	.0026	.0021	.0027	.0646	.9925	8.441

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1019	.0116	27.92	.0099	.0041	.0470	.2707
SDev	.0004	.0092	.12	.0052	.0041	.0484	.0932
%RSD	.3752	79.37	.4352	52.10	100.3	103.0	34.45

#1	.1021	.0104	27.89	.0102	.0021	.1195	.2086
#2	.1013	.0055	27.78	.0049	.0021	.0228	.1732
#3	.1021	.0250	27.94	.0076	.0103	.0228	.3504
#4	.1021	.0055	28.07	.0169	.0021	.0228	.3505

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.583	.0336	.0008	.0014
SDev	.018	.1846	.0010	.0008
%RSD	1.154	548.9	125.9	58.19

#1	1.561	.0731	.0014	.0010
#2	1.592	<.0000	<.0000	.0010
#3	1.602	.2623	.0021	.0010
#4	1.576	<.0000	<.0000	.0027

Analysis Report

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Method: IECW Sample Name: 1044

Operator: it

Run Time: 02/19/02 10:51:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0026	.0305	<.0000	.0063	.0137	<.0000	6.237
SDev	.0014	.0075	.0360	.0031	.0000	.0001	.019
%RSD	51.97	24.59	166.8	49.87	.0222	46.19	.3125

#1	.0015	.0272	<.0000	.0078	.0137	<.0000	6.244
#2	.0041	.0415	<.0000	.0085	.0137	<.0000	6.255
#3	.0036	.0284	.0266	.0071	.0137	<.0000	6.239
#4	.0015	.0248	<.0000	.0017	.0137	<.0000	6.209

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0026	.0011	.0008	.0019	.0323	<.0000	1.391
SDev	.0012	.0023	.0010	.0019	.0029	.6058	.031
%RSD	47.05	215.2	117.9	100.1	8.874	70.33	2.227

#1	.0027	.0019	<.0000	.0023	.0308	<.0000	1.390
#2	.0010	.0032	.0011	.0041	.0292	.0187	1.422
#3	.0039	.0015	.0020	.0014	.0339	<.0000	1.402
#4	.0027	<.0000	.0006	<.0000	.0355	<.0000	1.348

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0360	.0048	4.584	.0057	.0145	.0481	.2297
SDev	.0007	.0100	.029	.0020	.0169	.0185	.1374
%RSD	2.040	211.1	.6345	35.28	116.7	38.54	59.80

#1	.0358	.0060	4.578	.0040	.0311	.0432	.2120
#2	.0365	<.0000	4.561	.0067	.0269	.0625	.1055
#3	.0365	.0157	4.570	.0080	<.0000	.0239	.1765
#4	.0350	.0060	4.626	.0040	.0021	.0626	.4248

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7241	<.0000	.0001	.0012
SDev	.0198	.1599	.0014	.0013
%RSD	2.734	613.9	1358.	108.4

#1	.7372	.0844	.0003	.0005
#2	.7372	.0212	.0017	.0030
#3	.6954	<.0000	.0003	.0005
#4	.7268	.0529	<.0000	.0005

Analysis Report

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Method: IECW Sample Name: 1045

Operator: it

Run Time: 02/19/02 10:55:46

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0067	.0299	.0059	.0131	.0000	6.270
SDev	.0016	.0132	.1544	.0022	.0000	.0001	.010
%RSD	208.1	198.0	516.3	36.47	.0057	15e6	.1528

#1	<.0000	.0013	<.0000	.0032	.0131	<.0000	6.278
#2	.0006	.0085	.0841	.0052	.0131	.0000	6.278
#3	.0006	<.0000	<.0000	.0080	.0131	.0000	6.260
#4	<.0000	.0240	.2141	.0073	.0131	.0000	6.263

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0009	.0004	.0010	.0284	.4824	1.406
SDev	.0014	.0025	.0020	.0011	.0015	.2700	.008
%RSD	99.81	277.1	559.8	116.6	5.280	55.96	.5702

#1	<.0000	.0013	<.0000	<.0000	.0288	.0835	1.394
#2	<.0000	.0043	.0027	.0026	.0304	.6772	1.407
#3	<.0000	<.0000	<.0000	.0007	.0272	.5659	1.414
#4	<.0000	<.0000	.0008	.0007	.0272	.6030	1.407

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0329	.0011	4.572	<.0000	.0238	<.0000	.0532
SDev	.0004	.0084	.009	.0019	.0272	.0097	.1330
%RSD	1.349	753.9	.2070	31.32	113.9	65.62	249.7

#1	.0333	.0036	4.578	<.0000	.0041	<.0000	.1432
#2	.0325	.0084	4.578	<.0000	.0332	<.0000	.1072
#3	.0333	.0036	4.558	<.0000	<.0000	<.0000	<.0000
#4	.0325	<.0000	4.576	<.0000	.0580	<.0000	.1071

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.7476	<.0000	.0006	.0003
SDev	.0257	.1240	.0007	.0014
%RSD	3.437	686.0	110.8	444.8

#1	.7280	.0369	.0003	<.0000
#2	.7697	.1311	.0017	.0005
#3	.7228	<.0000	.0003	.0022
#4	.7697	<.0000	.0003	<.0000

Analysis Report

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Method: IECW Sample Name: 1046

Operator: it

Run Time: 02/19/02 10:58:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0769	.0135	.0283	<.0000	24.97
SDev	.0014	.0068	.0461	.0023	.0008	.0000	.09
%RSD	19.30	16.73	59.84	16.80	2.786	.0000	.3729

#1	<.0000	<.0000	.0118	.0133	.0277	<.0000	25.01
#2	<.0000	<.0000	.0987	.0119	.0285	<.0000	24.93
#3	<.0000	<.0000	.1173	.0167	.0277	<.0000	24.87
#4	<.0000	<.0000	.0800	.0119	.0293	<.0000	25.08

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0674	.3989	8.442
SDev	.0015	.0013	.0006	.0010	.0018	.1268	.024
%RSD	147.7	58.48	22.57	31.10	2.698	31.77	.2828

#1	<.0000	<.0000	<.0000	<.0000	.0690	.4546	8.416
#2	<.0000	<.0000	<.0000	<.0000	.0658	.2319	8.445
#3	<.0000	<.0000	<.0000	<.0000	.0690	.5288	8.435
#4	.0005	<.0000	<.0000	<.0000	.0658	.3804	8.473

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1149	<.0000	27.96	<.0000	<.0000	<.0000	.0051
SDev	.0006	.0073	.12	.0051	.0062	.0112	.0741
%RSD	.5453	1382.	.4402	135.3	28.58	102.6	1462.

#1	.1149	.0031	27.96	<.0000	<.0000	<.0000	.0680
#2	.1157	.0031	27.89	<.0000	<.0000	<.0000	<.0000
#3	.1142	<.0000	27.85	<.0000	<.0000	<.0000	<.0000
#4	.1149	.0031	28.13	.0029	<.0000	<.0000	.0680

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.538	.2455	<.0000	<.0000
SDev	.027	.0888	.0009	.0013
%RSD	1.740	36.19	21.67	285.3

#1	1.550	.3711	<.0000	.0010
#2	1.566	.1827	<.0000	<.0000
#3	1.534	.2455	<.0000	.0002
#4	1.503	.1826	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1136
 Run Time: 02/19/02 11:01:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

✓

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0458	.0029	.0124	<.0000	6.209
SDev	.0013	.0107	.0669	.0009	.0004	.0000	.026
%RSD	18.73	40.97	146.0	31.01	3.314	.0000	.4115

#1	<.0000	<.0000	.0163	.0025	.0131	<.0000	6.240
#2	<.0000	<.0000	.0845	.0018	.0122	<.0000	6.182
#3	<.0000	<.0000	<.0000	.0039	.0122	<.0000	6.220
#4	<.0000	<.0000	.1156	.0032	.0122	<.0000	6.196

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0343	<.0000	1.352
SDev	.0006	.0012	.0004	.0011	.0033	.1802	.019
%RSD	28.48	42.26	12.80	32.11	9.500	15.67	1.431

#1	<.0000	<.0000	<.0000	<.0000	.0382	<.0000	1.369
#2	<.0000	<.0000	<.0000	<.0000	.0335	<.0000	1.356
#3	<.0000	<.0000	<.0000	<.0000	.0351	<.0000	1.324
#4	<.0000	<.0000	<.0000	<.0000	.0304	<.0000	1.359

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0339	<.0000	8.013	.0013	<.0000	.0047	<.0000
SDev	.0010	.0063	.062	.0034	.0141	.0186	.1033
%RSD	2.853	46.68	.7749	252.4	80.10	395.3	1077.

#1	.0348	<.0000	8.101	.0047	.0000	.0193	<.0000
#2	.0325	<.0000	7.959	<.0000	<.0000	<.0000	.1073
#3	.0341	<.0000	8.009	.0020	<.0000	<.0000	<.0000
#4	.0341	<.0000	7.981	.0020	<.0000	.0193	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9042	<.0000	<.0000	<.0000
SDev	.0143	.0648	.0007	.0008
%RSD	1.586	192.3	15.11	53.65

#1	.9212	<.0000	<.0000	<.0000
#2	.9107	<.0000	<.0000	<.0000
#3	.8899	<.0000	<.0000	<.0000
#4	.8951	.0370	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1137

Operator: it

Run Time: 02/19/02 11:03:57

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0216	.0576	.0054	.0130	.0000	6.349
SDev	.0015	.0094	.0714	.0023	.0000	.0001	.027
%RSD	219.9	43.36	124.0	43.19	.0250	15e6	.4319

#1	.0026	.0264	.1397	.0045	.0130	.0000	6.352
#2	<.0000	.0096	.0531	.0073	.0131	<.0000	6.333
#3	.0011	.0312	.0714	.0073	.0130	.0000	6.324
#4	<.0000	.0192	<.0000	.0025	.0130	.0000	6.386

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0028	.0022	.0021	.0366	.8257	1.420
SDev	.0011	.0012	.0009	.0012	.0031	.4585	.028
%RSD	1606.	41.76	42.35	55.51	8.559	55.53	1.937

#1	<.0000	.0040	.0037	.0035	.0382	1.271	1.420
#2	.0008	.0026	.0018	.0016	.0382	.5288	1.382
#3	<.0000	.0033	.0018	.0026	.0319	1.160	1.433
#4	.0008	.0013	.0018	.0007	.0382	.3433	1.445

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0329	.0011	7.770	.0003	.0093	.0289	.0981
SDev	.0008	.0049	.023	.0074	.0160	.0112	.0990
%RSD	2.334	439.3	.2898	2369.	171.9	38.97	100.9

#1	.0340	<.0000	7.779	.0006	<.0000	.0191	.1431
#2	.0325	.0035	7.773	<.0000	.0041	.0386	<.0000
#3	.0325	.0035	7.738	.0033	<.0000	.0191	.0352
#4	.0325	.0035	7.790	.0073	.0332	.0386	.2150

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9967	<.0000	.0010	.0003
SDev	.0124	.0300	.0010	.0014
%RSD	1.243	37.11	101.1	448.7

#1	.9837	<.0000	.0024	.0005
#2	.9890	<.0000	.0003	<.0000
#3	1.005	<.0000	.0010	.0022
#4	1.010	<.0000	.0003	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1138

Operator: it

Run Time: 02/19/02 11:06:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0111	.0546	.0032	.0137	<.0000	6.434
SDev	.0011	.0130	.0812	.0011	.0004	.0001	.022
%RSD	76.44	116.9	148.6	35.12	3.022	230.9	.3442

#1	<.0000	.0072	.0655	.0018	.0139	.0000	6.445
#2	<.0000	.0288	<.0000	.0032	.0139	.0000	6.429
#3	<.0000	<.0000	.0780	.0045	.0130	<.0000	6.405
#4	<.0000	.0108	.1336	.0032	.0139	<.0000	6.456

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0007	.0008	.0046	.0374	<.0000	1.431
SDev	.0019	.0012	.0019	.0014	.0020	.2896	.017
%RSD	832.7	161.1	234.1	29.56	5.396	390.2	1.170

#1	.0014	.0019	<.0000	.0053	.0351	<.0000	1.407
#2	<.0000	<.0000	.0037	.0062	.0397	.3433	1.439
#3	<.0000	<.0000	<.0000	.0035	.0366	<.0000	1.433
#4	.0020	.0016	<.0000	.0035	.0382	<.0000	1.445

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0365	.0011	7.996	<.0000	.0207	<.0000	<.0000
SDev	.0007	.0049	.056	.0028	.0059	.0318	.1189
%RSD	2.010	436.8	.6991	41.44	28.28	161.2	1219.

#1	.0364	<.0000	8.029	<.0000	.0207	.0192	.1432
#2	.0371	.0035	7.990	<.0000	.0249	<.0000	<.0000
#3	.0356	.0036	7.920	<.0000	.0124	<.0000	<.0000
#4	.0371	.0035	8.046	<.0000	.0249	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9954	<.0000	.0003	<.0000
SDev	.0123	.1213	.0011	.0008
%RSD	1.239	108.0	410.5	798.8

#1	1.005	.0055	.0003	.0005
#2	.9941	<.0000	.0017	<.0000
#3	.9784	<.0000	<.0000	.0005
#4	1.005	<.0000	.0003	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1139

Operator: it

Run Time: 02/19/02 11:08:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0120	.0541	.0085	.0149	.0000	8.324
SDev	.0027	.0174	.0492	.0019	.0005	.0001	.034
%RSD	1043.	144.2	90.92	22.77	3.209	15e6	.4112

#1	<.0000	<.0000	.0403	.0085	.0145	.0000	8.366
#2	.0026	.0225	.1144	.0112	.0153	.0000	8.337
#3	<.0000	<.0000	.0652	.0071	.0145	<.0000	8.291
#4	.0016	.0309	<.0000	.0071	.0153	.0000	8.302

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	.0018	.0016	.0084	.0562	.2598	2.135
SDev	.0018	.0010	.0008	.0016	.0015	.8205	.022
%RSD	365.8	55.32	50.98	18.68	2.658	315.9	1.036

#1	<.0000	.0030	.0004	.0070	.0582	<.0000	2.136
#2	<.0000	.0023	.0019	.0097	.0566	.7515	2.162
#3	.0031	.0006	.0024	.0070	.0551	<.0000	2.107
#4	<.0000	.0016	.0019	.0097	.0550	1.123	2.136

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0459	.0047	9.885	.0045	.0207	<.0000	.0798
SDev	.0004	.0024	.046	.0019	.0275	.0368	.0945
%RSD	.9665	51.77	.4698	42.10	132.7	700.3	118.5

#1	.0455	.0035	9.935	.0031	<.0000	<.0000	.0349
#2	.0463	.0035	9.915	.0071	.0580	.0190	.0708
#3	.0463	.0084	9.846	.0031	.0166	<.0000	<.0000
#4	.0455	.0035	9.846	.0045	.0166	.0190	.2146

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.098	<.0000	.0008	.0028
SDev	.024	.0925	.0025	.0008
%RSD	2.170	340.7	327.5	28.66

#1	1.102	<.0000	<.0000	.0030
#2	1.128	<.0000	.0023	.0038
#3	1.092	.0671	.0002	.0022
#4	1.071	.0356	.0031	.0022

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/19/02 11:11:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5051	1.062	.0715	.9792	.9817	.9985	1.035
SDev	.0030	.012	.0500	.0090	.0076	.0083	.009
%RSD	.5888	1.156	69.87	.9196	.7784	.8337	.8379

#1	.5018	1.046	.1012	.9679	.9724	.9881	1.024
#2	.5034	1.062	.0700	.9761	.9799	.9971	1.032
#3	.5081	1.064	.0017	.9877	.9906	1.008	1.043
#4	.5071	1.076	.1131	.9850	.9840	1.001	1.040

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.000	1.011	1.005	.9568	1.021	1.382	1.018
SDev	.010	.009	.009	.0075	.012	.252	.008
%RSD	.9686	.8789	.9256	.7870	1.157	18.21	.7870

#1	.9878	1.000	.9915	.9465	1.010	1.085	1.006
#2	.9978	1.009	1.007	.9564	1.013	1.531	1.019
#3	1.010	1.021	1.009	.9636	1.035	1.271	1.026
#4	1.005	1.016	1.012	.9609	1.027	1.642	1.019

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9985	.9222	1.026	1.018	1.024	.9875	.0486
SDev	.0063	.0325	.012	.011	.014	.0654	.0952
%RSD	.6340	3.524	1.201	1.095	1.363	6.622	195.9

#1	.9901	.8882	1.023	1.002	1.007	.9098	.1386
#2	.9993	.9125	1.023	1.021	1.040	.9681	.1026
#3	1.005	.9222	1.016	1.026	1.028	1.065	<.0000
#4	.9993	.9660	1.044	1.025	1.020	1.007	.0306

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.064	1.111	.9848	1.006
SDev	.021	.119	.0113	.012
%RSD	1.936	10.67	1.149	1.148

#1	1.047	1.197	.9690	.9916
#2	1.057	1.009	.9859	1.002
#3	1.057	1.228	.9957	1.012
#4	1.094	1.009	.9887	1.017

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 02/19/02 11:13:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0330	.0007	<.0000	.0006	<.0000
SDev	.0010	.0056	.0706	.0018	.0010	.0002	.0011
%RSD	23.21	17.40	214.1	261.3	232.2	39.38	13.37

#1	<.0000	<.0000	<.0000	.0022	.0004	.0009	<.0000
#2	<.0000	<.0000	<.0000	.0022	.0004	.0006	<.0000
#3	<.0000	<.0000	.1291	<.0000	<.0000	.0004	<.0000
#4	<.0000	<.0000	.0422	<.0000	<.0000	.0004	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0024	<.0000	<.0000
SDev	.0005	.0011	.0009	.0009	.0033	.4354	.0150
%RSD	162.7	82.92	32.06	384.2	138.2	35.29	57.30

#1	<.0000	<.0000	<.0000	<.0000	.0031	<.0000	<.0000
#2	.0003	<.0000	<.0000	.0000	.0016	<.0000	<.0000
#3	.0009	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0003	<.0000	<.0000	.0009	.0063	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.0004	.0304	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0122	.0067	.0040	.0086	.0489	.0905
%RSD	162.5	40.25	18.21	99.63	48.53	508.4	168.1

#1	<.0000	.0426	<.0000	<.0000	<.0000	.0584	<.0000
#2	.0012	.0329	<.0000	<.0000	<.0000	<.0000	.0361
#3	.0004	.0329	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0004	.0134	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0014	<.0000	<.0000	.0010
SDev	.0078	.0536	.0007	.0008
%RSD	579.5	85.47	42.61	79.81

#1	.0053	.0079	<.0000	.0023
#2	<.0000	<.0000	<.0000	.0006
#3	<.0000	<.0000	<.0000	.0006
#4	.0105	<.0000	<.0000	.0006

Analysis Report

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Method: IECW Sample Name: lfb

Operator: it

Run Time: 02/19/02 11:16:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0071	.2330	.2432	.2978	.2546	.0504	.0035
SDev	.0011	.0161	.0813	.0037	.0005	.0002	.0014
%RSD	15.27	6.927	33.44	1.251	.1883	.3995	41.15

#1	.0059	.2339	.2741	.2955	.2542	.0501	.0025
#2	.0080	.2530	.1623	.2948	.2542	.0504	.0045
#3	.0064	.2135	.3426	.2976	.2551	.0504	.0021
#4	.0080	.2315	.1936	.3031	.2551	.0506	.0049

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1016	.1019	.2539	.2508	.2675	.0000	<.0000
SDev	.0022	.0008	.0027	.0007	.0008	.1843	.0130
%RSD	2.192	.8032	1.078	.2936	.2928	6.644	31.94

#1	.1035	.1020	.2503	.2499	.2679	<.0000	<.0000
#2	.0993	.1030	.2541	.2517	.2679	<.0000	<.0000
#3	.0999	.1015	.2542	.2508	.2679	<.0000	<.0000
#4	.1035	.1011	.2570	.2508	.2663	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2586	.1032	<.0000	.2590	.2041	.2422	.2777
SDev	.0014	.0122	.0103	.0052	.0052	.0372	.0614
%RSD	.5625	11.86	46.00	2.020	2.556	15.37	22.12

#1	.2576	.1202	<.0000	.2564	.2114	.2519	.3586
#2	.2576	.0910	<.0000	.2657	.2031	.2129	.2506
#3	.2607	.1008	<.0000	.2537	.2031	.2131	.2148
#4	.2584	.1008	<.0000	.2604	.1989	.2907	.2867

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4149	.2663	.0953	.2599
SDev	.0100	.1128	.0016	.0021
%RSD	2.406	42.36	1.634	.8087

#1	.4228	.1957	.0958	.2578
#2	.4123	.4155	.0958	.2594
#3	.4019	.1643	.0930	.2594
#4	.4228	.2899	.0965	.2628

Analysis Report

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Method: IECW Sample Name: lfb

Operator: it

Run Time: 02/19/02 11:18:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0069	.2258	.2634	.3032	.2540	.0503	.0029
SDev	.0009	.0148	.0833	.0020	.0014	.0002	.0027
%RSD	12.32	6.547	24.04	.6479	.5579	.4625	92.50

#1	.0069	.2100	.2373	.3031	.2542	.0502	.0037
#2	.0069	.2195	.2681	.3031	.2534	.0501	.0062
#3	.0080	.2446	.1996	.3010	.2526	.0501	.0016
#4	.0059	.2291	.3486	.3058	.2559	.0506	.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1026	.1017	.2528	.2495	.2671	<.0000	<.0000
SDev	.0029	.0022	.0020	.0017	.0030	.4863	.0106
%RSD	2.874	2.138	.7760	.6926	1.124	14.88	23.23

#1	.1011	.1027	.2542	.2499	.2679	<.0000	<.0000
#2	.1011	.1030	.2523	.2481	.2648	<.0000	<.0000
#3	.1011	.0984	.2503	.2481	.2648	<.0000	<.0000
#4	.1070	.1025	.2546	.2517	.2711	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2588	.0959	<.0000	.2580	.2300	.2422	.2777
SDev	.0013	.0089	.0216	.0067	.0215	.0372	.1189
%RSD	.5142	9.266	43.63	2.586	9.367	15.38	42.81

#1	.2576	.1056	<.0000	.2537	.2446	.2519	.3587
#2	.2599	.1008	<.0000	.2644	.2321	.2908	.3946
#3	.2576	.0910	<.0000	.2630	.2445	.2130	.2147
#4	.2599	.0862	<.0000	.2510	.1989	.2130	.1428

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4032	.1329	.0942	.2578
SDev	.0172	.0678	.0007	.0018
%RSD	4.272	51.04	.7135	.6996

#1	.4019	.1329	.0944	.2569
#2	.4071	.1957	.0937	.2561
#3	.4228	.1643	.0951	.2578
#4	.3811	.0387	.0937	.2603

Analysis Report

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Method: IECW Sample Name: lrp

Operator: it

Run Time: 02/19/02 11:21:00.

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0084	.0829	.0004	.0004	.0001	.0016
%RSD	11.76	13.89	1194.	46.94	22.29	20.00	10.52

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.1171	<.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	.0007	.0010	.0018	.0011	.0000	.2041	.0148
%RSD	29.64	25.67	28.57	18.64	27.74	8.462	33.19

#1	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.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	.0000	<.0000	<.0000	<.0000	<.0000	.0092
SDev	.0007	.0073	.0125	.0043	.0245	.0194	.0946
%RSD	128.4	19380.	18.19	71.23	102.8	67.07	1027.

#1	.0004	.0037	<.0000	<.0000	.0000	<.0000	.1081
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0722
#3	<.0000	.0037	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0037	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0135	.1462	.0007	.0010
%RSD	25.82	373.7	12.36	51.44

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.1650	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1140

Operator: it

Run Time: 02/19/02 12:33:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0047	.0133	.0277	<.0000	25.08
SDev	.0007	.0077	.0534	.0015	.0000	.0001	.10
%RSD	4.299	8.840	1128.	11.07	.0430	31.91	.4018

#1	<.0000	<.0000	<.0000	.0147	.0277	<.0000	25.06
#2	<.0000	<.0000	.0371	.0140	.0276	<.0000	25.23
#3	<.0000	<.0000	.0622	.0113	.0277	<.0000	25.02
#4	<.0000	<.0000	<.0000	.0133	.0277	<.0000	25.01

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0021	.0768	<.0000	8.384
SDev	.0018	.0031	.0014	.0015	.0034	.0154	.064
%RSD	75.74	38.65	20.33	71.35	4.372	21.19	.7651

#1	<.0000	<.0000	<.0000	.0021	.0768	<.0000	8.362
#2	<.0000	<.0000	<.0000	.0039	.0815	<.0000	8.480
#3	<.0000	<.0000	<.0000	.0003	.0752	<.0000	8.352
#4	<.0000	<.0000	<.0000	.0021	.0737	<.0000	8.343

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1234	<.0000	28.15	<.0000	<.0000	<.0000	.0322
SDev	.0006	.0061	.11	.0044	.0274	.0224	.0881
%RSD	.5109	114.0	.4077	581.7	44.77	56.10	273.4

#1	.1241	<.0000	28.04	.0056	<.0000	<.0000	<.0000
#2	.1226	.0031	28.31	<.0000	<.0000	<.0000	.1400
#3	.1234	<.0000	28.16	<.0000	<.0000	<.0000	.0323
#4	.1234	<.0000	28.10	<.0000	<.0000	<.0000	.0322

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.784	.1435	<.0000	<.0000
SDev	.012	.0300	.0022	.0000
%RSD	.6856	20.88	24.73	.2177

#1	1.775	.1514	<.0000	<.0000
#2	1.800	.1826	<.0000	<.0000
#3	1.775	.1200	<.0000	<.0000
#4	1.785	.1201	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1140lab dup

Operator: it

Run Time: 02/19/02 12:36:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0312	.0131	.0272	<.0000	24.98
SDev	.0011	.0056	.0498	.0020	.0005	.0000	.07
%RSD	6.487	5.809	159.7	14.91	1.751	.0000	.2787
#1	<.0000	<.0000	<.0000	.0106	.0268	<.0000	24.88
#2	<.0000	<.0000	<.0000	.0147	.0268	<.0000	25.05
#3	<.0000	<.0000	.0497	.0126	.0277	<.0000	24.99
#4	<.0000	<.0000	.0932	.0147	.0277	<.0000	25.01
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0021	.0737	<.0000	8.355
SDev	.0019	.0019	.0011	.0010	.0013	.2393	.040
%RSD	95.86	23.22	12.97	50.41	1.730	6.717	.4839
#1	<.0000	<.0000	<.0000	.0012	.0737	<.0000	8.301
#2	<.0000	<.0000	<.0000	.0030	.0752	<.0000	8.397
#3	<.0000	<.0000	<.0000	.0030	.0737	<.0000	8.352
#4	<.0000	<.0000	<.0000	.0012	.0721	<.0000	8.371
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sp2068	Se1960
Avge	.1236	<.0000	28.12	.0026	<.0000	<.0000	.0952
SDev	.0010	.0040	.15	.0052	.0059	.0245	.1358
%RSD	.7822	34.73	.5356	199.2	8.841	96.53	142.6
#1	.1234	<.0000	28.03	<.0000	<.0000	<.0000	.0683
#2	.1226	<.0000	28.23	.0002	<.0000	<.0000	.2481
#3	.1234	<.0000	27.96	.0029	<.0000	<.0000	.1401
#4	.1249	<.0000	28.26	.0096	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.748	.0965	<.0000	<.0000			
SDev	.013	.2167	.0007	.0010			
%RSD	.7279	224.6	6.702	62.30			
#1	1.733	.3714	<.0000	<.0000			
#2	1.759	<.0000	<.0000	<.0000			
#3	1.759	<.0000	<.0000	<.0000			
#4	1.743	.1514	<.0000	<.0000			

Analysis Report

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page 1

Method: IECW Sample Name: 1140spk

Operator: it

Run Time: 02/19/02 12:51:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0120	.2663	.4108	.2867	.2864	.0511	24.77
SDev	.0025	.0190	.0841	.0042	.0021	.0004	.15
%RSD	20.72	7.140	20.48	1.462	.7425	.7868	.5869

#1	.0126	.2530	.2987	.2855	.2840	.0507	24.63
#2	.0136	.2661	.4586	.2813	.2856	.0508	24.68
#3	.0084	.2530	.4895	.2889	.2889	.0516	24.96
#4	.0136	.2933	.3966	.2909	.2872	.0512	24.80

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1283	.1042	.2580	.2602	.3365	.6353	8.275
SDev	.0033	.0011	.0016	.0021	.0039	.5495	.040
%RSD	2.555	1.031	.6108	.8238	1.167	86.49	.4849

#1	.1296	.1039	.2568	.2579	.3346	.7606	8.236
#2	.1243	.1034	.2582	.2588	.3424	.9038	8.248
#3	.1319	.1037	.2568	.2615	.3346	<.0000	8.321
#4	.1272	.1057	.2601	.2624	.3346	1.047	8.296

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3808	.0929	27.64	.2633	.2507	.2449	.3551
SDev	.0030	.0073	.23	.0046	.0097	.0291	.1231
%RSD	.7803	7.849	.8291	1.737	3.889	11.87	34.65

#1	.3781	.0990	27.48	.2639	.2435	.2595	.1930
#2	.3797	.0893	27.46	.2693	.2518	.2013	.4813
#3	.3850	.0844	27.95	.2586	.2435	.2594	.4092
#4	.3804	.0990	27.67	.2612	.2642	.2593	.3370

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.999	.5299	.0985	.2559
SDev	.025	.0254	.0019	.0010
%RSD	1.238	4.790	1.874	.4102

#1	1.990	.5300	.0983	.2561
#2	1.969	.5300	.0976	.2544
#3	2.026	.4988	.0969	.2561
#4	2.010	.5610	.1011	.2569

Analysis Report

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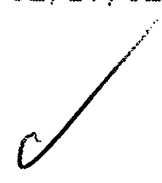
Method: IECW Sample Name: 1141

Operator: it

Run Time: 02/19/02 12:55:08

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0452	.0041	.0124	<.0000	6.318
SDev	.0021	.0117	.0287	.0020	.0004	.0001	.019
%RSD	41.46	337.0	63.38	49.68	3.335	16.50	.2940

#1	<.0000	<.0000	.0362	.0047	.0122	<.0000	6.326
#2	<.0000	.0019	.0175	.0061	.0131	<.0000	6.314
#3	<.0000	.0090	.0420	.0013	.0122	<.0000	6.295
#4	<.0000	<.0000	.0853	.0041	.0122	<.0000	6.339

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0055	.0331	<.0000	1.330
SDev	.0018	.0007	.0022	.0009	.0020	.2365	.014
%RSD	346.5	137.2	72.13	16.45	5.965	17.28	1.030

#1	<.0000	<.0000	<.0000	.0041	.0327	<.0000	1.330
#2	.0020	.0001	<.0000	.0059	.0312	<.0000	1.343
#3	<.0000	<.0000	<.0000	.0059	.0359	<.0000	1.311
#4	<.0000	<.0000	<.0000	.0059	.0327	<.0000	1.336

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0329	<.0000	7.292	.0050	<.0000	.0192	.0174
SDev	.0010	.0084	.048	.0046	.0103	.0112	.1690
%RSD	2.938	170.0	.6558	92.34	111.1	58.34	973.8

#1	.0331	<.0000	7.315	<.0000	<.0000	.0095	.0895
#2	.0331	.0023	7.289	.0063	<.0000	.0288	<.0000
#3	.0339	.0023	7.226	.0064	.0041	.0094	.1254
#4	.0316	<.0000	7.337	.0090	<.0000	.0289	.0894

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9482	.0755	<.0000	.0009
SDev	.0099	.1106	.0015	.0014
%RSD	1.045	146.6	73.17	143.7

#1	.9353	<.0000	<.0000	<.0000
#2	.9560	.1376	<.0000	.0009
#3	.9456	.1687	<.0000	.0026
#4	.9560	.0755	<.0000	.0009

Analysis Report

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page 1

Method: IECW Sample Name: 1142

Run Time: 02/19/02 12:59:06

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0122	.1127	.0049	.0133	<.0000	6.344
SDev	.0024	.0138	.0435	.0016	.0004	.0001	.017
%RSD	109.1	113.2	38.56	32.94	3.126	15.38	.2608
#1	<.0000	.0125	.0666	.0047	.0130	<.0000	6.358
#2	<.0000	<.0000	.1468	.0027	.0130	<.0000	6.354
#3	.0008	.0268	.0849	.0061	.0139	<.0000	6.342
#4	<.0000	.0161	.1527	.0061	.0131	<.0000	6.321
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0062	.0316	<.0000	1.361
SDev	.0006	.0027	.0022	.0015	.0015	.6084	.008
%RSD	40.49	357.3	640.0	25.01	4.758	94.43	.6127
#1	<.0000	<.0000	<.0000	.0077	.0327	<.0000	1.365
#2	<.0000	<.0000	.0016	.0041	.0327	<.0000	1.349
#3	<.0000	.0028	.0016	.0068	.0296	.0447	1.368
#4	<.0000	<.0000	<.0000	.0059	.0312	<.0000	1.362
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0294	<.0000	7.626	<.0000	.0041	.0240	.2065
SDev	.0004	.0084	.059	.0022	.0162	.0186	.1191
%RSD	1.303	169.7	.7755	130.1	392.2	77.57	57.68
#1	.0300	.0023	7.612	<.0000	.0083	.0094	.2335
#2	.0293	<.0000	7.701	<.0000	<.0000	.0482	.3417
#3	.0293	.0023	7.633	.0010	.0248	.0094	.0533
#4	.0293	<.0000	7.558	<.0000	<.0000	.0288	.1975
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9650	.0754	<.0000	.0007			
SDev	.0107	.0761	.0013	.0013			
%RSD	1.106	101.0	527.4	169.9			
#1	.9663	.0132	.0005	.0001			
#2	.9663	.0133	<.0000	.0026			
#3	.9766	.1686	.0012	.0001			
#4	.9507	.1065	<.0000	.0001			

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Method: IECW Sample Name: 1153
 Run Time: 02/19/02 13:02:02
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 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0131	.1158	.0070	.0133	<.0000	6.282
SDev	.0009	.0139	.0372	.0003	.0004	.0001	.025
%RSD	46.25	106.0	32.15	4.874	3.115	15.38	.4048
#1	<.0000	.0042	.1344	.0068	.0131	<.0000	6.266
#2	<.0000	.0161	.1527	.0068	.0131	<.0000	6.255
#3	<.0000	.0315	.1094	.0075	.0139	<.0000	6.303
#4	<.0000	.0007	.0667	.0068	.0131	<.0000	6.304
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0006	<.0000	.0312	<.0000	1.377
SDev	.0024	.0015	.0021	.0012	.0018	.4537	.008
%RSD	143.5	532.0	347.3	140.1	5.809	51.21	.5941
#1	<.0000	.0009	<.0000	<.0000	.0296	<.0000	1.374
#2	<.0000	.0011	.0016	<.0000	.0327	<.0000	1.368
#3	<.0000	<.0000	.0030	.0005	.0327	<.0000	1.381
#4	.0014	<.0000	<.0000	<.0000	.0296	<.0000	1.387
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0314	<.0000	4.598	.0013	.0155	.0094	.0894
SDev	.0004	.0093	.036	.0023	.0070	.0000	.0416
%RSD	1.226	187.5	.7734	172.2	45.55	.4264	46.52
#1	.0316	<.0000	4.582	.0023	.0083	.0095	.0534
#2	.0316	.0023	4.575	.0037	.0248	.0094	.1254
#3	.0308	.0023	4.584	<.0000	.0165	.0094	.1253
#4	.0316	<.0000	4.651	.0010	.0124	.0095	.0534
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.7305	<.0000	<.0000	<.0000			
SDev	.0137	.1279	.0016	.0008			
%RSD	1.876	310.3	138.8	73.30			
#1	.7124	.0443	<.0000	<.0000			
#2	.7435	<.0000	<.0000	<.0000			
#3	.7279	.0754	.0005	<.0000			
#4	.7383	<.0000	<.0000	<.0000			

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Method: IECW Sample Name: 1154

Operator: it

Run Time: 02/19/02 13:04:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0149	.1511	.0196	.0297	<.0000	25.26
SDev	.0009	.0101	.0371	.0010	.0005	.0001	.05
%RSD	626.8	68.00	24.57	4.939	1.610	18.18	.2145

#1	<.0000	.0099	.2034	.0189	.0293	<.0000	25.19
#2	.0010	.0300	.1478	.0189	.0301	<.0000	25.30
#3	<.0000	.0087	.1173	.0196	.0301	<.0000	25.23
#4	<.0000	.0110	.1357	.0210	.0293	<.0000	25.30

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0000	<.0000	.0032	<.0000	.0626	1.584	8.480
SDev	.0027	.0010	.0024	.0005	.0030	.324	.023
%RSD	10610.	792.6	73.49	122.3	4.784	20.46	.2764

#1	<.0000	<.0000	.0006	<.0000	.0634	1.119	8.470
#2	<.0000	.0006	.0035	.0000	.0666	1.655	8.496
#3	.0016	.0008	.0025	.0000	.0603	1.691	8.451
#4	.0028	<.0000	.0063	<.0000	.0603	1.870	8.502

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.1013	.0019	28.13	.0056	.0072	.0228	.0770
SDev	.0008	.0000	.05	.0064	.0209	.0186	.1261
%RSD	.7568	.3763	.1654	114.9	289.5	81.30	163.8

#1	.1017	.0019	28.07	.0032	<.0000	.0083	<.0000
#2	.1017	.0019	28.16	.0086	.0248	.0083	.1220
#3	.1001	.0019	28.17	<.0000	.0248	.0277	.0139
#4	.1017	.0019	28.11	.0126	<.0000	.0471	.2301

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	1.598	.1806	.0008	<.0000
SDev	.017	.0641	.0006	.0004
%RSD	1.074	35.50	68.66	48.46

#1	1.580	.1262	.0001	<.0000
#2	1.621	.1261	.0008	<.0000
#3	1.596	.2195	.0008	<.0000
#4	1.596	.2505	.0015	<.0000

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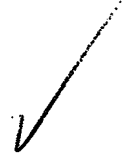
Method: IECW Sample Name: 1155

Operator: it

Run Time: 02/19/02 13:06:42

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0683	.0053	.0131	<.0000	6.274
SDev	.0014	.0143	.0484	.0027	.0000	.0000	.046
%RSD	44.49	1297.	70.94	51.42	.0327	.0000	.7304

#1	<.0000	.0137	.1404	.0061	.0131	<.0000	6.287
#2	<.0000	<.0000	.0484	.0013	.0131	<.0000	6.230
#3	<.0000	.0078	.0482	.0061	.0131	<.0000	6.246
#4	<.0000	<.0000	.0362	.0075	.0130	<.0000	6.333

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0296	<.0000	1.373
SDev	.0013	.0018	.0016	.0015	.0022	.3837	.016
%RSD	607.5	335.7	200.8	145.8	7.498	34.58	1.200

#1	.0002	.0004	<.0000	<.0000	.0327	<.0000	1.352
#2	.0008	<.0000	<.0000	<.0000	.0296	<.0000	1.381
#3	.0002	.0011	.0016	.0005	.0280	<.0000	1.368
#4	<.0000	<.0000	<.0000	<.0000	.0280	<.0000	1.390

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0312	<.0000	4.562	.0033	.0093	.0337	.0173
SDev	.0004	.0061	.058	.0017	.0253	.0186	.0294
%RSD	1.421	99.09	1.266	50.54	272.6	55.18	169.8

#1	.0308	.0023	4.590	.0050	.0083	.0094	.0173
#2	.0308	<.0000	4.499	.0010	<.0000	.0482	.0534
#3	.0316	<.0000	4.530	.0037	.0083	.0288	<.0000
#4	.0316	<.0000	4.627	.0037	.0413	.0483	.0174

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7292	.1220	<.0000	<.0000
SDev	.0143	.1447	.0009	.0012
%RSD	1.960	118.6	45.38	163.5

#1	.7435	<.0000	<.0000	.0001
#2	.7227	.2619	<.0000	.0001
#3	.7383	.2308	<.0000	<.0000
#4	.7124	.0132	<.0000	<.0000

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Method: IECW Sample Name: 1220

Operator: it

Run Time: 02/19/02 13:09:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0008	.0265	.1033	.0049	.0137	<.0000	6.302
SDev	.0019	.0180	.0836	.0009	.0004	.0001	.018
%RSD	228.5	67.99	80.94	17.67	3.039	23.09	.2822

#1	.0029	.0469	.0415	.0047	.0139	<.0000	6.314
#2	.0019	.0363	.2140	.0040	.0139	<.0000	6.296
#3	<.0000	.0113	.0358	.0061	.0130	<.0000	6.318
#4	<.0000	.0113	.1220	.0047	.0139	<.0000	6.279

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0011	.0004	.0012	.0343	<.0000	1.381
SDev	.0017	.0016	.0015	.0009	.0050	.5107	.009
%RSD	766.6	147.3	409.4	72.07	14.45	237.8	.6497

#1	.0008	.0028	<.0000	.0023	.0390	.3669	1.381
#2	.0020	.0021	.0025	.0014	.0374	.0447	1.368
#3	.0002	<.0000	.0001	.0005	.0280	<.0000	1.387
#4	<.0000	<.0000	<.0000	.0005	.0327	<.0000	1.387

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0317	<.0000	8.102	.0050	.0093	<.0000	.0533
SDev	.0004	.0100	.047	.0061	.0156	.0500	.1061
%RSD	1.210	90.65	.5817	121.5	168.0	500.5	199.2

#1	.0316	.0023	8.095	.0130	.0124	.0481	<.0000
#2	.0316	<.0000	8.106	.0010	.0124	<.0000	.1974
#3	.0316	<.0000	8.162	.0063	.0248	<.0000	.0533
#4	.0323	<.0000	8.047	<.0000	<.0000	.0094	.0173

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9896	.2152	.0006	<.0000
SDev	.0172	.1447	.0018	.0000
%RSD	1.737	67.23	277.2	.2272

#1	1.013	.2308	.0026	<.0000
#2	.9870	.3551	.0012	<.0000
#3	.9870	.2619	.0005	<.0000
#4	.9714	.0132	<.0000	<.0000

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Method: IECW Sample Name: 1221

Run Time: 02/19/02 13:11:50

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0119	.0943	.0068	.0135	<.0000	6.307
SDev	.0016	.0109	.0106	.0008	.0005	.0001	.010
%RSD	83.83	90.89	11.28	11.63	3.551	15.38	.1569

#1	<.0000	.0149	.1096	.0061	.0131	<.0000	6.310
#2	.0003	.0244	.0910	.0075	.0139	<.0000	6.300
#3	<.0000	<.0000	.0914	.0061	.0139	<.0000	6.319
#4	<.0000	.0102	.0851	.0075	.0131	<.0000	6.298

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	..0007	<.0000	.0010	<.0000	.0315	<.0000	1.392
SDev	.0015	.0014	.0012	.0009	.0015	.3771	.015
%RSD	220.6	6063.	125.6	142.4	4.763	61.08	1.058

#1	<.0000	.0011	.0015	<.0000	.0327	<.0000	1.387
#2	.0008	.0007	<.0000	.0005	.0312	<.0000	1.412
#3	.0002	<.0000	.0015	<.0000	.0296	<.0000	1.393
#4	.0026	.0001	.0016	<.0000	.0327	<.0000	1.377

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0335	<.0000	7.713	.0033	.0021	.0094	.0263
SDev	.0010	.0108	.016	.0044	.0053	.0418	.1190
%RSD	2.962	819.3	.2043	132.7	259.3	443.9	452.8

#1	.0346	<.0000	7.724	.0037	<.0000	<.0000	<.0000
#2	.0331	.0072	7.718	.0023	<.0000	.0675	.1974
#3	.0339	.0023	7.690	.0090	.0083	<.0000	<.0000
#4	.0323	.0023	7.720	<.0000	.0041	.0094	.0173

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9753	.1064	<.0000	<.0000
SDev	.0149	.1046	.0009	.0000
%RSD	1.524	98.31	114.5	.1325

#1	.9559	.2308	<.0000	<.0000
#2	.9869	.1375	.0005	<.0000
#3	.9869	<.0000	<.0000	<.0000
#4	.9714	.0754	<.0000	<.0000

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Method: IECW Sample Name: 1222

Operator: it

Run Time: 02/19/02 13:14:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0081	.0943	.0075	.0131	<.0000	6.262
SDev	.0018	.0163	.0452	.0026	.0000	.0001	.038
%RSD	176.0	201.6	47.98	34.23	.0224	18.18	.6121

#1	<.0000	.0007	.0913	.0075	.0131	<.0000	6.265
#2	.0013	.0303	.0663	.0082	.0131	<.0000	6.225
#3	<.0000	<.0000	.1592	.0102	.0131	<.0000	6.314
#4	<.0000	.0090	.0605	.0041	.0131	<.0000	6.244

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0006	.0062	.0316	<.0000	1.371
SDev	.0008	.0010	.0010	.0015	.0027	.5040	.018
%RSD	54.03	1476.	168.6	25.02	8.483	88.00	1.335

#1	<.0000	<.0000	.0006	.0059	.0280	<.0000	1.387
#2	<.0000	<.0000	.0020	.0077	.0343	.0090	1.387
#3	<.0000	.0009	<.0000	.0041	.0327	<.0000	1.355
#4	<.0000	.0004	.0001	.0068	.0312	<.0000	1.355

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0327	<.0000	7.297	.0090	.0093	.0143	.0623
SDev	.0004	.0073	.040	.0076	.0070	.0399	.0742
%RSD	1.355	556.5	.5500	83.91	75.91	279.4	119.1

#1	.0323	.0023	7.300	.0090	.0124	<.0000	.1254
#2	.0331	<.0000	7.278	.0037	.0165	.0675	.1253
#3	.0331	.0023	7.352	.0197	<.0000	.0095	<.0000
#4	.0323	.0023	7.259	.0037	.0083	.0094	.0173

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9429	.0365	<.0000	.0024
SDev	.0123	.0641	.0013	.0016
%RSD	1.306	175.4	103.6	65.60

#1	.9455	.1065	<.0000	.0001
#2	.9507	<.0000	<.0000	.0035
#3	.9507	.0754	<.0000	.0026
#4	.9248	<.0000	<.0000	.0035

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Method: IECW Sample Name: 1223

Operator: it

Run Time: 02/19/02 13:16:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0039	.1698	.0066	.0131	<.0000	6.256
SDev	.0013	.0187	.0317	.0006	.0000	.0001	.020
%RSD	53.30	474.4	18.67	9.835	.0125	18.18	.3273

#1	<.0000	.0232	.1342	.0061	.0131	<.0000	6.262
#2	<.0000	<.0000	.2024	.0061	.0131	<.0000	6.277
#3	<.0000	<.0000	.1529	.0075	.0131	<.0000	6.255
#4	<.0000	.0137	.1897	.0068	.0131	<.0000	6.228

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	.0000	.0053	.0312	<.0000	1.352
SDev	.0018	.0008	.0018	.0009	.0034	.5992	.013
%RSD	2266.	119.9	8818.	16.42	10.85	60.88	.9762

#1	.0026	<.0000	.0016	.0059	.0327	<.0000	1.355
#2	<.0000	.0004	<.0000	.0041	.0265	<.0000	1.336
#3	.0002	<.0000	.0016	.0050	.0343	<.0000	1.368
#4	<.0000	<.0000	<.0000	.0059	.0312	<.0000	1.349

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0285	<.0000	7.313	.0053	<.0000	.0191	.0353
SDev	.0000	.0047	.060	.0050	.0166	.0111	.0857
%RSD	.0039	42.26	.8175	94.43	1604.	58.19	242.5

#1	.0285	<.0000	7.272	<.0000	<.0000	.0288	.0893
#2	.0285	<.0000	7.402	.0050	<.0000	.0095	<.0000
#3	.0285	<.0000	7.291	.0090	.0083	.0095	.0894
#4	.0285	<.0000	7.287	.0090	.0124	.0288	.0533

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9261	.0210	<.0000	.0003
SDev	.0050	.0155	.0009	.0004
%RSD	.5380	73.92	114.7	129.6

#1	.9248	.0132	<.0000	.0001
#2	.9301	.0133	<.0000	.0001
#3	.9196	.0132	.0005	.0009
#4	.9300	.0443	<.0000	.0001

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/19/02 13:19:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5033	1.057	1.064	.9826	.9905	1.001	.9954
SDev	.0024	.019	.0733	.0074	.0100	.008	.0029
%RSD	.4754	1.771	68.89	.7522	1.014	.8224	.2864

#1	.5037	1.032	.1944	.9875	.9955	1.005	.9963
#2	.5005	1.060	.0402	.9759	.9839	.9949	.9930
#3	.5026	1.077	.0523	.9766	.9805	.9943	.9932
#4	.5063	1.060	.1386	.9902	1.002	1.011	.9990

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9989	1.001	1.003	.9609	1.018	.9485	.9990
SDev	.0127	.008	.007	.0067	.010	.6250	.0131
%RSD	1.275	.8048	.7006	.6938	.9922	65.89	1.308

#1	1.002	.9960	1.004	.9636	1.016	.1163	.9816
#2	.9824	.9948	.9991	.9546	1.016	1.333	1.001
#3	.9978	.9996	.9958	.9564	1.009	1.512	1.013
#4	1.013	1.012	1.012	.9690	1.033	.8322	1.001

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9955	.9320	.9836	1.019	1.021	.9459	<.0000
SDev	.0082	.0184	.0266	.018	.026	.0112	.0454
%RSD	.8221	1.971	2.699	1.726	2.588	1.179	316.5

#1	.9976	.9357	.9582	1.010	.9824	.9363	.0488
#2	.9876	.9357	1.021	1.017	1.024	.9362	<.0000
#3	.9907	.9065	.9777	1.004	1.040	.9555	<.0000
#4	1.006	.9503	.9777	1.044	1.036	.9556	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.012	1.115	.9856	1.003
SDev	.013	.040	.0070	.009
%RSD	1.279	3.600	.7103	.9323

#1	1.014	1.099	.9889	1.015
#2	1.008	1.162	.9805	.9945
#3	1.029	1.068	.9791	.9961
#4	.9980	1.130	.9938	1.006

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 02/19/02 13:21:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0025	.0214	.0690	.0031	.0006	.0004	<.0000
SDev	.0013	.0039	.0671	.0015	.0004	.0002	.0015
%RSD	51.56	18.35	82.84	47.95	66.38	54.01	4.301

#1	.0009	.0217	.0120	.0051	.0004	.0007	<.0000
#2	.0035	.0169	.0367	.0017	.0004	.0004	<.0000
#3	.0020	.0264	.1412	.0031	.0012	.0003	<.0000
#4	.0035	.0205	.0859	.0024	.0004	.0002	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	.0012	.0024	.0047	.0012	.5459	.0079
SDev	.0006	.0009	.0007	.0009	.0030	.2167	.0016
%RSD	54.73	78.79	28.33	19.05	252.4	39.71	19.99

#1	.0015	.0004	.0014	.0043	.0055	.2595	.0087
#2	.0003	.0025	.0029	.0061	.0008	.6532	.0087
#3	.0015	.0008	.0029	.0043	<.0000	.7606	.0087
#4	.0009	.0009	.0024	.0043	<.0000	.5101	.0056

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0219	.0125	.0134	.0217	.0193	<.0000
SDev	.0006	.0000	.0232	.0042	.0123	.0559	.1422
%RSD	327.4	.0103	186.0	31.63	56.90	289.6	524.9

#1	.0010	.0219	<.0000	.0080	.0041	.0871	<.0000
#2	.0002	.0219	.0211	.0174	.0248	.0290	<.0000
#3	.0002	.0219	.0255	.0120	.0330	.0096	.0900
#4	<.0000	.0219	.0255	.0160	.0248	<.0000	.0900

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0233	.0028	.0006
SDev	.0129	.0777	.0010	.0011
%RSD	76.86	333.9	37.52	172.5

#1	<.0000	<.0000	.0019	.0010
#2	<.0000	<.0000	.0033	.0019
#3	<.0000	<.0000	.0040	<.0000
#4	<.0000	.1399	.0019	.0002

Analysis Report

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page 1

Method: IECW Sample Name: 1224

Operator: it

Run Time: 02/19/02 13:24:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0125	.0989	.0075	.0135	<.0000	6.368
SDev	.0018	.0098	.0664	.0014	.0005	.0001	.012
%RSD	100.6	78.47	67.13	18.31	3.548	28.57	.1943
#1	<.0000	.0173	.0357	.0068	.0139	<.0000	6.386
#2	<.0000	.0007	.1467	.0068	.0130	<.0000	6.360
#3	<.0000	.0090	.0481	.0068	.0130	<.0000	6.361
#4	<.0000	.0232	.1649	.0095	.0139	<.0000	6.365
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0046	.0366	<.0000	1.366
SDev	.0021	.0030	.0014	.0024	.0020	.5124	.016
%RSD	220.3	167.2	599.6	52.11	5.518	55.06	1.206
#1	.0008	<.0000	<.0000	.0050	.0374	<.0000	1.390
#2	.0002	<.0000	<.0000	.0023	.0343	<.0000	1.365
#3	<.0000	<.0000	<.0000	.0032	.0359	<.0000	1.355
#4	<.0000	.0025	.0016	.0077	.0390	<.0000	1.355
Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.0316	<.0000	8.367	.0097	.0062	.0240	.0533
SDev	.0006	.0083	.021	.0034	.0086	.0185	.0658
%RSD	1.985	631.2	.2476	34.75	138.9	77.40	123.4
#1	.0323	.0023	8.394	.0090	<.0000	.0094	.0893
#2	.0316	<.0000	8.361	.0063	.0041	.0288	.1254
#3	.0316	.0072	8.344	.0090	.0083	.0094	.0173
#4	.0308	<.0000	8.370	.0144	.0165	.0482	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9352	.0598	<.0000	.0012			
SDev	.0228	.1469	.0009	.0004			
%RSD	2.434	245.5	114.6	36.24			
#1	.9455	<.0000	<.0000	.0009			
#2	.9611	.1687	<.0000	.0018			
#3	.9093	.0443	<.0000	.0009			
#4	.9248	.1686	.0005	.0009			

Analysis Report

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page 1

Method: IECW Sample Name: 1224lab dup

Operator: it

Run Time: 02/19/02 13:29:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0107 ¹²⁵	.0266	.0061	.0130 ¹³⁵	<.0000	6.384 ⁶³⁶
SDev	.0027	.0163	.0617	.0024	.0007	.0001	.032
%RSD	149.9	151.2	232.0	39.86	5.182	23.09	.4970
#1	<.0000	<.0000	.0483	.0047	.0122	<.0000	6.410
#2	<.0000	<.0000	<.0000	.0041	.0130	<.0000	6.363
#3	<.0000	.0291	<.0000	.0061	.0130	<.0000	6.352
#4	.0013	.0196	.1034	.0095	.0139	<.0000	6.413
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0004	<.0000	.0007	.0037	.0335 ³⁶⁶	<.0000	1.372 ¹³⁶⁶
SDev	.0012	.0017	.0032	.0024	.0027	.7629	.025
%RSD	324.6	148.7	438.2	64.90	8.103	76.12	1.814
#1	.0002	<.0000	<.0000	.0032	.0327	<.0000	1.339
#2	<.0000	<.0000	<.0000	.0005	.0312	<.0000	1.377
#3	.0002	<.0000	.0035	.0059	.0374	<.0000	1.371
#4	.0020	.0007	.0034	.0050	.0327	<.0000	1.400
Elem	Mn2576	Mo2020	Na5889 ³⁶¹	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0319 ³⁶	<.0000	8.377 ³⁶¹	.0020	.0124	.0094	.0263
SDev	.0004	.0049	.058	.0083	.0194	.0317	.1482
%RSD	1.392	4929.	.6919	413.9	156.4	335.8	563.5
#1	.0323	<.0000	8.391	<.0000	<.0000	.0095	.0534
#2	.0323	.0023	8.428	.0063	<.0000	.0482	.0173
#3	.0316	.0023	8.294	.0090	.0330	.0094	.1974
#4	.0316	.0023	8.396	.0023	.0248	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.9196	.0443	<.0000	.0007			
SDev	.0134	.1343	.0022	.0013			
%RSD	1.452	303.1	535.6	170.1			
#1	.9041	<.0000	<.0000	.0026			
#2	.9144	.0443	<.0000	.0001			
#3	.9352	<.0000	.0012	.0001			
#4	.9248	.2308	.0019	.0001			

Analysis Report

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Method: IECW Sample Name: 1224spk

Operator: it

Run Time: 02/19/02 13:44:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Bi2496	Ba4934	Be3130	Ca3179
Avge	.0148	.2745	.2432	.2704	.2693	.0510	6.266
SDev	.0011	.0101	.0444	.0032	.0012	.0003	.027
%RSD	7.634	3.699	18.25	1.194	.4612	.6327	.4343

#1	.0148	.2837	.2152	.2707	.2703	.0510	6.257
#2	.0132	.2635	.3085	.2748	.2703	.0514	6.297
#3	.0153	.2682	.2340	.2680	.2687	.0511	6.276
#4	.0159	.2825	.2152	.2680	.2679	.0506	6.234

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1053	.1058	.2589	.2582	.3010	<.0000	1.352
SDev	.0005	.0020	.0014	.0004	.0055	.2172	.012
%RSD	.4566	1.916	.5401	.1744	1.820	44.19	.8851

#1	.1053	.1074	.2579	.2580	.2982	<.0000	1.361
#2	.1053	.1038	.2603	.2589	.3076	<.0000	1.351
#3	.1059	.1042	.2598	.2580	.3029	<.0000	1.361
#4	.1047	.1076	.2574	.2580	.2951	<.0000	1.335

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2922	.0982	8.192	.2516	.2305	.1693	.3865
SDev	.0013	.0073	.034	.0069	.0264	.0225	.1022
%RSD	.4549	7.427	.4181	2.759	11.44	13.30	26.44

#1	.2918	.1018	8.166	.2600	.2264	.1498	.5310
#2	.2918	.1019	8.207	.2466	.2057	.1888	.3142
#3	.2941	.0873	8.233	.2546	.2222	.1888	.3142
#4	.2911	.1019	8.161	.2452	.2677	.1498	.3865

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.115	.4148	.1006	.2570
SDev	.008	.1462	.0010	.0000
%RSD	.7575	35.26	1.046	.0002

#1	1.104	.3993	.0990	.2570
#2	1.125	.2136	.1011	.2570
#3	1.115	.5230	.1011	.2570
#4	1.115	.5231	.1011	.2570

Analysis Report

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Method: IECW Sample Name: 1225

Operator: it

Run Time: 02/19/02 13:47:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0033	.0331	.0059	.0137	<.0000	6.333
SDev	.0034	.0157	.0254	.0021	.0008	.0001	.035
%RSD	148.6	470.0	76.71	35.88	6.050	115.5	.5554

#1	<.0000	<.0000	.0455	.0069	.0141	.0000	6.311
#2	<.0000	.0045	<.0000	.0028	.0141	<.0000	6.382
#3	<.0000	<.0000	.0519	.0063	.0124	<.0000	6.305
#4	.0023	.0235	.0390	.0076	.0141	.0000	6.336

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0082	.0366	<.0000	1.376
SDev	.0023	.0018	.0027	.0013	.0031	.3598	.012
%RSD	161.9	173.2	161.1	15.58	8.557	42.84	.8696

#1	<.0000	<.0000	<.0000	.0082	.0413	<.0000	1.374
#2	.0004	<.0000	<.0000	.0073	.0351	<.0000	1.374
#3	.0004	<.0000	<.0000	.0073	.0351	<.0000	1.364
#4	<.0000	.0011	.0018	.0100	.0351	<.0000	1.393

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0325	<.0000	7.398	<.0000	<.0000	<.0000	.0445
SDev	.0004	.0073	.044	.0035	.0189	.0432	.1461
%RSD	1.179	556.2	.5944	65.61	304.6	146.7	328.6

#1	.0323	.0048	7.386	<.0000	.0072	<.0000	<.0000
#2	.0323	<.0000	7.462	<.0000	<.0000	<.0000	.1709
#3	.0323	<.0000	7.386	<.0000	<.0000	.0144	.1710
#4	.0331	.0048	7.360	<.0000	.0031	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9559	.1214	<.0000	.0020
SDev	.0136	.0978	.0024	.0011
%RSD	1.421	80.57	121.6	54.13

#1	.9494	.0286	<.0000	.0007
#2	.9753	.0596	<.0000	.0032
#3	.9443	.1524	<.0000	.0016
#4	.9546	.2452	.0015	.0024

Analysis Report

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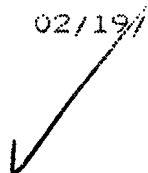
Method: IECW Sample Name: 1226

Operator: it

Run Time: 02/19/02 13:49:49

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0657	.0030	.0128	<.0000	6.757
SDev	.0025	.0115	.1079	.0030	.0005	.0001	.022
%RSD	80.36	259.9	164.2	100.6	3.735	115.5	.3265

#1	<.0000	<.0000	<.0000	.0063	.0124	<.0000	6.785
#2	<.0000	.0045	.1757	.0049	.0132	.0000	6.758
#3	<.0000	.0033	.0145	.0008	.0132	.0000	6.751
#4	<.0000	<.0000	.1326	.0001	.0124	<.0000	6.732

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	.0057	.0386	<.0000	1.327
SDev	.0008	.0008	.0011	.0019	.0035	.3321	.014
%RSD	86.27	102.4	1055.	32.62	8.996	28.16	1.057

#1	.0010	.0001	.0009	.0055	.0350	<.0000	1.316
#2	.0004	<.0000	<.0000	.0055	.0397	<.0000	1.335
#3	.0021	<.0000	.0008	.0082	.0429	<.0000	1.342
#4	.0004	<.0000	<.0000	.0037	.0366	<.0000	1.313

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0177	<.0000	7.607	<.0000	<.0000	<.0000	.0355
SDev	.0000	.0089	.023	.0075	.0248	.0113	.1194
%RSD	.0068	10130.	.3005	247.8	184.6	32.83	336.6

#1	.0177	.0048	7.624	<.0000	<.0000	<.0000	<.0000
#2	.0177	.0096	7.583	<.0000	.0238	<.0000	<.0000
#3	.0177	<.0000	7.628	<.0000	<.0000	<.0000	.1709
#4	.0177	<.0000	7.591	.0070	<.0000	<.0000	.0988

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9598	.0751	<.0000	.0005
SDev	.0223	.1647	.0019	.0008
%RSD	2.325	219.3	146.6	151.7

#1	.9805	.2762	<.0000	<.0000
#2	.9598	.0596	<.0000	.0007
#3	.9701	.0905	.0001	.0016
#4	.9289	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 1230

Run Time: 02/19/02 13:52:58

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0001	.0594	.0063	.0133	<.0000	6.347
SDev	.0014	.0048	.1047	.0017	.0000	.0001	.011
%RSD	40.81	6668.	176.1	26.76	.0120	66.67	.1674

#1	<.0000	.0021	.1199	.0049	.0133	.0000	6.355
#2	<.0000	.0057	<.0000	.0049	.0133	<.0000	6.342
#3	<.0000	<.0000	.1634	.0070	.0133	<.0000	6.335
#4	<.0000	<.0000	.0269	.0083	.0133	<.0000	6.357

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	.0010	<.0000	.0351	<.0000	1.381
SDev	.0028	.0016	.0002	.0009	.0013	.2213	.016
%RSD	422.9	94.36	25.16	57.21	3.632	18.21	1.192

#1	.0033	<.0000	.0008	<.0000	.0366	<.0000	1.402
#2	.0004	<.0000	.0013	<.0000	.0351	<.0000	1.374
#3	.0021	<.0000	.0008	<.0000	.0335	<.0000	1.364
#4	<.0000	.0001	.0008	<.0000	.0351	<.0000	1.386

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0325	<.0000	4.602	<.0000	<.0000	<.0000	.0987
SDev	.0004	.0116	.026	.0069	.0052	.0355	.1843
%RSD	1.180	458.5	.5610	1009.	50.31	55.95	186.7

#1	.0323	<.0000	4.628	<.0000	<.0000	<.0000	.0987
#2	.0323	.0096	4.574	.0070	<.0000	<.0000	.0264
#3	.0323	.0048	4.619	.0030	<.0000	<.0000	.3516
#4	.0331	<.0000	4.587	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7040	.1678	<.0000	<.0000
SDev	.0195	.0962	.0016	.0000
%RSD	2.776	57.33	85.32	.7843

#1	.7324	.1523	<.0000	<.0000
#2	.6911	.0905	<.0000	<.0000
#3	.7014	.3071	<.0000	<.0000
#4	.6911	.1214	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 1231

Operator: it

Run Time: 02/19/02 13:55:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0595	.0052	.0137	<.0000	6.362
SDev	.0013	.0127	.0754	.0004	.0005	.0000	.029
%RSD	38.78	240.0	126.7	7.475	3.501	.0000	.4585

#1	<.0000	.0093	.0330	.0049	.0141	<.0000	6.343
#2	<.0000	<.0000	.1138	.0056	.0133	<.0000	6.391
#3	<.0000	<.0000	.1264	.0049	.0133	<.0000	6.331
#4	<.0000	<.0000	<.0000	.0056	.0141	<.0000	6.383

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0000	<.0000	<.0000	.0362	<.0000	1.383
SDev	.0019	.0030	.0009	.0016	.0020	.3370	.006
%RSD	296.0	14870.	54.09	121.6	5.432	22.86	.4183

#1	.0016	<.0000	<.0000	<.0000	.0335	<.0000	1.377
#2	.0004	.0037	<.0000	<.0000	.0382	<.0000	1.386
#3	<.0000	<.0000	<.0000	<.0000	.0366	<.0000	1.380
#4	<.0000	.0004	<.0000	.0001	.0366	<.0000	1.389

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0358	<.0000	4.655	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0073	.052	.0026	.0083	.0245	.0346
%RSD	2.145	558.8	1.113	36.43	61.53	124.6	94.01

#1	.0354	<.0000	4.712	<.0000	<.0000	<.0000	<.0000
#2	.0354	.0048	4.628	<.0000	<.0000	<.0000	<.0000
#3	.0354	.0048	4.597	<.0000	<.0000	.0144	<.0000
#4	.0369	<.0000	4.682	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7143	.1601	<.0000	.0001
SDev	.0099	.1247	.0010	.0004
%RSD	1.384	77.91	41.69	373.8

#1	.7014	.0905	<.0000	<.0000
#2	.7221	.3071	<.0000	<.0000
#3	.7221	.2143	<.0000	<.0000
#4	.7117	.0286	<.0000	.0007

Analysis Report

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Method: IECW Sample Name: 1232

Operator: it

Run Time: 02/19/02 14:00:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0222	.0158	.0299	<.0000	25.55
SDev	.0007	.0062	.0208	.0031	.0005	.0001	.05
%RSD	43.06	74.40	93.64	19.46	1.596	115.5	.1951

#1	<.0000	<.0000	.0345	.0184	.0295	.0000	25.52
#2	<.0000	<.0000	.0346	.0184	.0303	<.0000	25.51
#3	<.0000	<.0000	.0283	.0122	.0303	.0000	25.62
#4	<.0000	<.0000	<.0000	.0143	.0295	<.0000	25.54

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0009	.0002	.0685	.5540	8.575
SDev	.0007	.0014	.0031	.0014	.0027	.3353	.037
%RSD	119.7	203.5	339.8	555.6	3.927	60.52	.4357

#1	.0000	.0003	.0013	.0014	.0673	.8399	8.594
#2	<.0000	<.0000	<.0000	<.0000	.0720	.1966	8.549
#3	<.0000	.0007	.0046	.0014	.0657	.8399	8.619
#4	.0000	<.0000	.0008	<.0000	.0689	.3395	8.540

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1088	.0055	28.19	.0045	<.0000	<.0000	.0862
SDev	.0004	.0024	.03	.0026	.0076	.0292	.1119
%RSD	.3539	44.05	.1160	56.42	56.16	48.90	129.7

#1	.1086	.0043	28.15	.0052	<.0000	<.0000	.0230
#2	.1093	.0092	28.18	.0079	<.0000	<.0000	.2398
#3	.1086	.0043	28.22	.0025	<.0000	<.0000	.0952
#4	.1086	.0043	28.22	.0025	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.595	.3033	<.0000	.0004
SDev	.022	.1544	.0013	.0010
%RSD	1.408	50.91	138.3	250.2

#1	1.603	.2646	<.0000	.0012
#2	1.577	.2956	<.0000	<.0000
#3	1.623	.5121	.0005	.0012
#4	1.577	.1409	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1329

Run Time: 02/19/02 14:03:36

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0024	.0284	.0052	.0137	<.0000	6.410
SDev	.0010	.0059	.0795	.0028	.0005	.0001	.020
%RSD	30.91	239.9	280.0	53.88	3.507	115.5	.3182

#1	<.0000	<.0000	.1137	.0022	.0132	.0000	6.438
#2	<.0000	.0069	<.0000	.0090	.0141	<.0000	6.412
#3	<.0000	.0081	<.0000	.0049	.0141	.0000	6.393
#4	<.0000	<.0000	.0765	.0049	.0132	<.0000	6.397

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	.0382	<.0000	1.393
SDev	.0010	.0014	.0020	.0007	.0034	.3289	.014
%RSD	193.3	71.95	187.4	42.43	8.852	25.92	.9837

#1	.0010	<.0000	<.0000	<.0000	.0382	<.0000	1.393
#2	<.0000	<.0000	<.0000	<.0000	.0398	<.0000	1.386
#3	.0016	.0001	.0013	<.0000	.0413	<.0000	1.412
#4	.0004	<.0000	<.0000	<.0000	.0335	<.0000	1.380

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0346	<.0000	8.087	.0010	<.0000	<.0000	<.0000
SDev	.0006	.0061	.037	.0096	.0071	.0112	.0617
%RSD	1.810	163.4	.4610	971.3	85.34	32.77	8627.

#1	.0339	<.0000	8.140	.0070	<.0000	<.0000	.0625
#2	.0346	<.0000	8.060	<.0000	<.0000	<.0000	.0264
#3	.0354	.0048	8.062	.0097	<.0000	<.0000	<.0000
#4	.0346	<.0000	8.088	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9817	.1214	<.0000	.0005
SDev	.0148	.0911	.0014	.0004
%RSD	1.511	75.03	79.29	78.97

#1	.9700	.0595	<.0000	.0007
#2	1.001	.0286	<.0000	.0007
#3	.9855	.2142	<.0000	.0007
#4	.9701	.1833	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 1330

Operator: it

Run Time: 02/19/02 14:05:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0300	.0051	.0132	<.0000	6.402
SDev	.0019	.0112	.0543	.0026	.0000	.0001	.016
%RSD	59.67	1361.	180.9	50.95	.0138	81.65	.2542

#1	<.0000	.0057	<.0000	.0042	.0132	<.0000	6.391
#2	<.0000	<.0000	.0827	.0083	.0132	<.0000	6.415
#3	<.0000	<.0000	.0705	.0056	.0132	<.0000	6.417
#4	<.0000	.0081	<.0000	.0022	.0133	.0000	6.385

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	<.0000	.0362	<.0000	1.390
SDev	.0010	.0016	.0019	.0011	.0015	.3230	.016
%RSD	1301.	181.6	181.6	107.2	4.152	23.17	1.123

#1	.0010	<.0000	.0008	<.0000	.0351	<.0000	1.389
#2	<.0000	<.0000	<.0000	<.0000	.0351	<.0000	1.408
#3	.0004	<.0000	<.0000	<.0000	.0366	<.0000	1.393
#4	.0004	.0015	.0004	.0001	.0382	<.0000	1.370

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0333	<.0000	7.807	<.0000	<.0000	<.0000	.0445
SDev	.0007	.0073	.058	.0033	.0222	.0401	.0909
%RSD	2.207	557.1	.7367	51.44	179.2	136.3	204.5

#1	.0339	.0048	7.782	<.0000	<.0000	<.0000	.0264
#2	.0339	.0048	7.823	<.0000	<.0000	<.0000	.1709
#3	.0331	<.0000	7.878	<.0000	<.0000	<.0000	.0264
#4	.0323	<.0000	7.743	<.0000	.0155	.0144	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9752	.0131	<.0000	<.0000
SDev	.0073	.1198	.0021	.0013
%RSD	.7481	913.7	96.35	109.7

#1	.9701	<.0000	<.0000	<.0000
#2	.9752	.0595	<.0000	<.0000
#3	.9855	<.0000	<.0000	<.0000
#4	.9701	.1524	.0001	<.0000

Analysis Report

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Method: IECW Sample Name: 1331

Operator: it

Run Time: 02/19/02 14:08:21

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0047	.0130	<.0000	6.414
SDev	.0012	.0029	.0196	.0013	.0004	.0000	.027
%RSD	31.74	21.87	193.9	27.42	3.166	.0000	.4261

#1	<.0000	<.0000	<.0000	.0049	.0132	<.0000	6.406
#2	<.0000	<.0000	<.0000	.0056	.0132	<.0000	6.453
#3	<.0000	<.0000	<.0000	.0028	.0124	<.0000	6.389
#4	<.0000	<.0000	.0147	.0056	.0132	<.0000	6.406

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	<.0000	<.0000	.0183	.0382	<.0000	1.375
SDev	.0022	.0016	.0013	.0004	.0029	.3033	.010
%RSD	142.0	66.45	39.37	2.462	7.496	19.97	.7166

#1	.0021	<.0000	<.0000	.0181	.0351	<.0000	1.374
#2	.0016	<.0000	<.0000	.0181	.0366	<.0000	1.389
#3	<.0000	<.0000	<.0000	.0190	.0413	<.0000	1.367
#4	.0039	<.0000	<.0000	.0181	.0398	<.0000	1.370

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0348	<.0000	8.575	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0061	.017	.0023	.0162	.0356	.1515
%RSD	1.103	55.49	.1924	169.7	120.5	56.02	809.3

#1	.0346	<.0000	8.597	<.0000	<.0000	<.0000	<.0000
#2	.0346	<.0000	8.577	<.0000	.0072	<.0000	<.0000
#3	.0354	<.0000	8.558	.0017	<.0000	<.0000	.2071
#4	.0346	<.0000	8.569	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9559	.0518	<.0000	.0007
SDev	.0049	.1221	.0010	.0007
%RSD	.5163	235.7	36.59	92.39

#1	.9598	.0905	<.0000	<.0000
#2	.9597	.0905	<.0000	.0007
#3	.9546	<.0000	<.0000	.0007
#4	.9494	.1524	<.0000	.0016

Analysis Report

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Method: IECW Sample Name: 1332
 Run Time: 02/19/02 14:44:21
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0048	.0138	<.0000	7.158
SDev	.0010	.0092	.0483	.0019	.0000	.0001	.027
%RSD	13.23	23.95	178.7	40.06	.0212	46.66	.3741
#1	<.0000	<.0000	<.0000	.0076	.0138	<.0000	7.122
#2	<.0000	<.0000	.0149	.0035	.0138	<.0000	7.155
#3	<.0000	<.0000	.0146	.0035	.0138	<.0000	7.179
#4	<.0000	<.0000	<.0000	.0048	.0138	<.0000	7.178
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0012	.0513	<.0000	1.620
SDev	.0011	.0012	.0014	.0004	.0019	.1975	.015
%RSD	52.08	48.25	46.07	38.32	3.796	9.963	.9051
#1	<.0000	<.0000	<.0000	.0014	.0536	<.0000	1.616
#2	<.0000	<.0000	<.0000	.0005	.0490	<.0000	1.603
#3	<.0000	<.0000	<.0000	.0014	.0505	<.0000	1.638
#4	<.0000	<.0000	<.0000	.0014	.0520	<.0000	1.625
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0459	.0129	8.353	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0086	.046	.0035	.0173	.0311	.1080
%RSD	1.670	66.86	.5555	34.17	69.91	215.1	389.8
#1	.0455	.0035	8.285	<.0000	<.0000	<.0000	.1343
#2	.0455	.0177	8.362	<.0000	<.0000	<.0000	<.0000
#3	.0471	.0082	8.383	<.0000	<.0000	.0236	<.0000
#4	.0455	.0224	8.383	<.0000	.0010	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9742	.1661	<.0000	.0005			
SDev	.0220	.0940	.0007	.0004			
%RSD	2.256	56.59	12.98	80.79			
#1	.9575	.1001	<.0000	.0003			
#2	.9575	.2469	<.0000	.0003			
#3	1.004	.2468	<.0000	.0003			
#4	.9781	.0707	<.0000	.0011			

Analysis Report

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Method: IECW Sample Name: 1333
 Run Time: 02/19/02 15:02:20
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0172	.0079	.0156	<.0000	9.545
SDev	.0009	.0092	.0831	.0022	.0005	.0001	.047
%RSD	11.92	29.56	482.2	27.74	3.051	80.00	.4948

#1	<.0000	<.0000	<.0000	.0060	.0160	<.0000	9.557
#2	<.0000	<.0000	.1259	.0094	.0152	<.0000	9.476
#3	<.0000	<.0000	.0329	.0060	.0152	<.0000	9.581
#4	<.0000	<.0000	<.0000	.0101	.0160	<.0000	9.566

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0038	.0406	<.0000	2.541
SDev	.0003	.0019	.0013	.0009	.0023	.4071	.013
%RSD	18.40	65.40	43.34	22.61	5.557	19.59	.4997

#1	<.0000	<.0000	<.0000	.0031	.0425	<.0000	2.554
#2	<.0000	<.0000	<.0000	.0040	.0395	<.0000	2.526
#3	<.0000	<.0000	<.0000	.0031	.0380	<.0000	2.535
#4	<.0000	<.0000	<.0000	.0049	.0425	<.0000	2.548

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0476	.0010	11.36	<.0000	<.0000	<.0000	.0619
SDev	.0007	.0047	.02	.0059	.0224	.0325	.1019
%RSD	1.544	458.5	.1343	266.0	90.66	167.9	164.7

#1	.0485	<.0000	11.36	<.0000	.0052	.0235	<.0000
#2	.0470	.0034	11.35	.0058	<.0000	<.0000	.1339
#3	.0478	.0034	11.37	<.0000	<.0000	<.0000	.1339
#4	.0470	.0034	11.34	<.0000	<.0000	<.0000	.0618

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.096	.0325	<.0000	<.0000
SDev	.014	.1650	.0009	.0010
%RSD	1.293	507.2	30.91	169.0

#1	1.090	<.0000	<.0000	.0003
#2	1.079	<.0000	<.0000	<.0000
#3	1.105	.2454	<.0000	.0003
#4	1.110	.0692	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/19/02 15:05:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5044	.9899	.0586	.9948	1.017	.9508	1.014
SDev	.0034	.0111	.0426	.0106	.004	.0057	.006
%RSD	.6789	1.121	72.72	1.071	.4129	.5971	.6180
#1	.5003	.9810	.0572	.9897	1.014	.9443	1.010
#2	.5040	1.002	.0321	.9951	1.014	.9508	1.017
#3	.5087	.9971	.0259	1.009	1.023	.9581	1.022
#4	.5045	.9799	.1192	.9848	1.019	.9501	1.008
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.000	.9959	1.003	.9779	.9887	<.0000	.9630
SDev	.006	.0059	.003	.0060	.0088	.3219	.0195
%RSD	.6298	.5927	.3401	.6089	.8919	31.11	2.023
#1	.9929	.9884	1.001	.9711	.9785	<.0000	.9386
#2	.9993	.9954	1.001	.9765	.9860	<.0000	.9670
#3	1.008	1.003	1.008	.9855	.9996	<.0000	.9859
#4	1.001	.9971	1.000	.9783	.9905	<.0000	.9607
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.003	.9244	.9261	.9687	.9562	.9152	.1120
SDev	.007	.0184	.0206	.0177	.0205	.0381	.0689
%RSD	.6625	1.985	2.227	1.827	2.139	4.158	61.59
#1	.9976	.8983	.9032	.9627	.9438	.8581	.0580
#2	1.001	.9315	.9351	.9703	.9809	.9342	.1299
#3	1.013	.9267	.9499	.9921	.9356	.9342	.0579
#4	1.001	.9410	.9160	.9499	.9644	.9342	.2020
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9896	1.075	.9930	.9990			
SDev	.0084	.167	.0047	.0075			
%RSD	.8515	15.51	.4787	.7516			
#1	.9999	.8327	.9874	.9887			
#2	.9896	1.185	.9909	1.005			
#3	.9895	1.185	.9980	1.005			
#4	.9793	1.097	.9959	.9979			

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 02/19/02 15:11:43
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0029	.0135	.0453	.0017	.0004	.0001	.0023
%RSD	47.64	30.04	199.7	197.6	40.17	100.00	11.55
#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0160	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0160	.0012	<.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	.0011	<.0000	<.0000
SDev	.0006	.0023	.0019	.0014	.0019	.0073	.0143
%RSD	80.26	96.16	59.44	33.34	169.8	25.87	34.97
#1	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
#2	<.0000	.0002	<.0000	<.0000	.0019	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0034	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0178	<.0000	.0016	<.0000	.0192	.0542
SDev	.0000	.0000	.0148	.0063	.0089	.0240	.1225
%RSD	.2569	.0484	16.04	391.4	57.63	125.0	226.2
#1	<.0000	.0178	<.0000	<.0000	<.0000	.0240	<.0000
#2	<.0000	.0178	<.0000	.0064	<.0000	.0429	.2072
#3	<.0000	.0178	<.0000	<.0000	<.0000	<.0000	.0991
#4	<.0000	.0178	<.0000	.0077	<.0000	.0239	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0203	.1342	.0015	.0013
%RSD	45.16	1856.	46.69	86.05
#1	<.0000	<.0000	<.0000	.0004
#2	<.0000	.0148	<.0000	<.0000
#3	<.0000	.1615	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000