

WTC samples -

1/09/02 FS

1/10

Bik	30085		B
SSTD	30086		SS
IPC+CB	30107 30108		IP
LFB+CB	30108		IC
29928+Lab Dup + Sph	IPC+CB		W
29929	LFB+CB		Spk
29930	30109+Lab Dup + Sph		Dup
29931	30111		
29962	30112	3025	Pr
29963	30113	30312	
29964	30115	30313	AE
30009	30116	30314	
30010	30117	30350	
30011	30251	30351	
IPC+CB	30252	30352	
30012+Lab Dup + Sph	30253	IPC+CB	
30013	IPC+CB		W
30014	30254+Lab Dup + Sph		Sp
30015	30255		
	30256		Dup
	30257		

Reviewed by
3/3/02

Method: IECW Standard: STD1-Blank

Run Time: 01/09/02 09:24:30



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.280	3.664	.4275	.2545	.1415	.1870	3.783
SDev	.007	.014	.0154	.0044	.0010	.0011	.014
%RSD	.5260	.3765	3.591	1.743	.7067	.6175	.3647

#1	1.288	3.658	.4240	.2580	.1420	.1860	3.776
#2	1.282	3.682	.4340	.2560	.1420	.1880	3.786
#3	1.278	3.668	.4080	.2560	.1400	.1880	3.800
#4	1.272	3.650	.4440	.2480	.1420	.1860	3.768

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2535	2.361	.9040	.5695	-.0015	5.313	1.225
SDev	.0030	.011	.0065	.0019	.0034	.006	.002
%RSD	1.183	.4456	.7226	.3362	227.7	.1037	.1633

#1	.2560	2.352	.8960	.5720	.0000	5.320	1.224
#2	.2560	2.360	.9120	.5680	-.0020	5.310	1.224
#3	.2520	2.356	.9040	.5700	-.0060	5.316	1.224
#4	.2500	2.376	.9040	.5680	.0020	5.308	1.228

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0860	.1180	1.813	.4525	.6780	.1385	.1150
SDev	.0000	.0023	.020	.0084	.0063	.0030	.0076
%RSD	.0000	1.957	1.130	1.853	.9328	2.166	6.584

#1	.0860	.1160	1.784	.4400	.6860	.1420	.1160
#2	.0860	.1160	1.820	.4560	.6720	.1360	.1200
#3	.0860	.1200	1.816	.4560	.6740	.1360	.1040
#4	.0860	.1200	1.832	.4580	.6800	.1400	.1200

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.079	.1280	.6470	.1440
SDev	.002	.0092	.0020	.0023
%RSD	.1854	7.217	.3091	1.604

#1	1.080	.1200	.6440	.1420
#2	1.076	.1200	.6480	.1460
#3	1.080	.1360	.6480	.1420
#4	1.080	.1360	.6480	.1460

Standardization Rpt.

01/09/02 09:28:21 AM

page 1

Method: IECW Standard: STDc

Run Time: 01/09/02 09:26:59



Elem	Ag3280
Avge	41.29
SDev	.16
%RSD	.3821

#1	41.50
#2	41.16
#3	41.18
#4	41.34

Standardization Rpt.

01/09/02 09:32:37 AM

page 1

Method: IECW Standard: STD3

Run Time: 01/09/02 09:30:54



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	22.21	214.4	12.93	5.491	12.29	15.10	1.374
SDev	.04	.7	.04	.019	.05	.07	.005
%RSD	.1739	.3426	.3365	.3538	.3727	.4425	.3758

#1	22.26	215.4	12.98	5.516	12.31	15.16	1.376
#2	22.20	214.4	12.93	5.480	12.25	15.03	1.372
#3	22.17	214.1	12.93	5.496	12.27	15.15	1.380
#4	22.20	213.6	12.87	5.472	12.35	15.05	1.368

Elem	Tl1908
Avge	1.053
SDev	.017
%RSD	1.630

#1	1.074
#2	1.052
#3	1.032
#4	1.052

Standardization Rpt.

01/09/02 09:35:06 AM

page 1

Method: IECW Standard: STD4

Run Time: 01/09/02 09:33:44



Elem	As1936	8_2496	Cr2677	Se1960	Si2881
Avge	4.894	35.28	43.36	.8530	5.089
SDev	.089	.01	.11	.0233	.018
%RSD	1.812	.0396	.2597	2.738	.3593
#1	4.972	35.27	43.38	.8420	5.104
#2	4.780	35.29	43.29	.8880	5.084
#3	4.868	35.28	43.50	.8400	5.104
#4	4.956	35.30	43.25	.8420	5.066

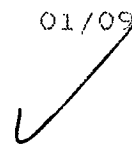
Standardization Rpt.

01/09/02 09:52:00 AM

page 1

Method: IECW Standard: STD2

Run Time: 01/09/02 09:50:38



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	28.33	83.71	33.50	115.4	25.83	10.81	7.152
SDev	.09	.14	.16	.3	.08	.03	.006
%RSD	.3110	.1711	.4689	.2755	.3129	.2419	.0803

#1	28.26	83.63	33.33	115.2	25.76	10.80	7.150
#2	28.25	83.57	33.43	115.1	25.76	10.82	7.144
#3	28.43	83.74	33.53	115.6	25.90	10.78	7.156
#4	28.38	83.89	33.70	115.8	25.90	10.84	7.156

Elem	Mn2576	Pb2203	Zn2138
Avge	26.39	5.032	26.22
SDev	.03	.028	.05
%RSD	.1265	.5593	.1972

#1	26.37	5.038	26.19
#2	26.35	5.068	26.17
#3	26.41	5.002	26.25
#4	26.42	5.020	26.28

Standardization Rpt.

01/09/02 09:54:09 AM

page 1

Method: IECW Standard: STD5
Run Time: 01/09/02 09:52:47



Elem	V_2924
Avge	29.47
SDev	.10
%RSD	.3318

#1	29.34
#2	29.47
#3	29.51
#4	29.57

Analysis Report

01/09/02 09:56:49 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/09/02 09:55:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5041	1.033	.0153	.9682	1.014	.9757	1.035
SDev	.0010	.009	.0298	.0114	.005	.0026	.006
%RSD	.1899	.8925	193.9	1.178	.4586	.2627	.5937

#1	.5028	1.037	<.0000	.9787	1.016	.9764	1.033
#2	.5038	1.019	<.0000	.9592	1.017	.9758	1.028
#3	.5048	1.038	.0578	.9575	1.007	.9723	1.037
#4	.5048	1.036	.0131	.9775	1.016	.9785	1.042

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.023	1.023	.9646	.9910	1.009	<.0000	.9876
SDev	.009	.004	.0027	.0038	.005	.5896	.0154
%RSD	.8934	.3656	.2799	.3832	.5067	6482.	1.563

#1	1.029	1.024	.9666	.9906	1.003	<.0000	.9800
#2	1.011	1.021	.9615	.9930	1.014	<.0000	.9699
#3	1.021	1.019	.9633	.9858	1.006	.8464	1.004
#4	1.032	1.027	.9671	.9946	1.013	<.0000	.9969

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.018	.9798	1.025	1.009	1.020	.9060	.0490
SDev	.004	.0207	.015	.015	.004	.0307	.0645
%RSD	.3577	2.114	1.477	1.475	.4308	3.392	131.7

#1	1.018	.9602	1.033	1.005	1.024	.9019	.0896
#2	1.020	.9714	1.006	1.029	1.015	.8857	.0084
#3	1.013	.9789	1.040	1.007	1.024	.9506	.1167
#4	1.021	1.009	1.019	.9937	1.019	.8856	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.188	.9610	1.019	1.021
SDev	.021	.0651	.004	.003
%RSD	1.779	6.770	.4122	.3244

#1	1.168	.8634	1.021	1.023
#2	1.173	.9936	1.017	1.021
#3	1.212	.9935	1.015	1.017
#4	1.197	.9935	1.024	1.024

Analysis Report

01/09/02 09:59:02 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/09/02 09:57:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.0024	.0108	.0099	.0036	.0009	.0005	.0013
SDev	.0010	.0059	.0557	.0019	.0000	.0001	.0008
%RSD	43.40	54.40	561.3	54.76	.1052	18.24	63.50

#1	.0035	.0170	.0367	.0038	.0009	.0006	.0014
#2	.0025	.0127	<.0000	.0016	.0009	.0005	.0002
#3	.0010	.0030	.0190	.0027	.0009	.0004	.0022
#4	.0025	.0105	.0547	.0061	.0009	.0004	.0014

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0018	.0009	.0049	.0031	1.056	.0219
SDev	.0012	.0007	.0022	.0016	.0019	.304	.0215
%RSD	806.3	36.82	236.4	32.00	62.88	28.76	98.12

#1	<.0000	.0027	.0037	.0073	.0058	1.429	.0523
#2	<.0000	.0013	.0014	.0042	.0027	.8464	.0017
#3	<.0000	.0013	<.0000	.0042	.0027	.7736	.0186
#4	.0020	.0019	<.0000	.0042	.0012	1.174	.0152

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0102	.0191	<.0000	.0344	.0040	<.0000
SDev	.0004	.0036	.0144	.0035	.0264	.0282	.1002
%RSD	115.7	34.86	75.52	205.9	76.60	699.4	368.9

#1	.0008	.0112	.0143	<.0000	.0505	<.0000	.1219
#2	<.0000	.0074	.0219	.0024	.0505	<.0000	<.0000
#3	.0008	.0149	.0372	<.0000	<.0000	.0447	<.0000
#4	<.0000	.0074	.0029	<.0000	.0413	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2880	<.0000	.0024	.0010
SDev	.0235	.1331	.0013	.0007
%RSD	8.168	408.4	52.16	76.68

#1	.2867	.1517	.0038	.0015
#2	.2718	<.0000	.0017	<.0000
#3	.2718	<.0000	.0010	.0015
#4	.3216	<.0000	.0031	.0008

Analysis Report

01/09/02 10:05:22 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 01/09/02 10:03:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0211	.2697	.2605	.2591	.2595	.0495	.0017
SDev	.0008	.0018	.0386	.0049	.0012	.0003	.0011
%RSD	4.042	.6836	14.82	1.907	.4736	.6156	62.09
#1	.0220	.2694	.2750	.2564	.2585	.0492	.0022
#2	.0215	.2672	.2885	.2536	.2592	.0495	.0029
#3	.0210	.2705	.2750	.2627	.2592	.0495	.0004
#4	.0200	.2715	.2034	.2639	.2613	.0499	.0014

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1084	.1086	.2523	.2820	.2649	<.0000	.0024
SDev	.0030	.0025	.0024	.0433	.0009	.2888	.0051
%RSD	2.793	2.263	.9341	15.35	.3372	72.11	207.6
#1	.1042	.1097	.2487	.2599	.2657	<.0000	.0050
#2	.1090	.1066	.2534	.2607	.2642	<.0000	.0083
#3	.1114	.1066	.2534	.2607	.2642	<.0000	<.0000
#4	.1090	.1115	.2534	.3470	.2657	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2663	.1041	.0467	.2684	.2743	.2427	.2698
SDev	.0011	.0080	.0141	.0099	.0235	.0335	.0926
%RSD	.4284	7.729	30.21	3.702	8.579	13.79	34.31
#1	.2646	.1041	.0563	.2674	.2709	.2874	.1749
#2	.2669	.1078	.0601	.2783	.3076	.2062	.2291
#3	.2669	.0929	.0295	.2728	.2525	.2387	.2833
#4	.2669	.1116	.0410	.2551	.2663	.2387	.3917

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4787	.2542	.1045	.2636
SDev	.0170	.0779	.0020	.0016
%RSD	3.559	30.67	1.906	.5998
#1	.4613	.3680	.1030	.2638
#2	.4812	.2379	.1071	.2653
#3	.4713	.2162	.1030	.2615
#4	.5012	.1945	.1051	.2638

Analysis Report

01/09/02 10:20:13 AM

page 1

Method: IECW Sample Name: lrp
 Run Time: 01/09/02 10:18:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0017	.0116	.0222	<.0000	.0002	.0000	<.0000
SDev	.0013	.0047	.0518	.0007	.0000	.0000	.0020
%RSD	71.90	40.90	233.2	457.5	.2485	.0000	614.8

#1	.0020	.0094	.0099	<.0000	.0002	.0000	<.0000
#2	.0000	.0062	<.0000	.0004	.0002	.0000	<.0000
#3	.0030	.0138	.0771	.0004	.0002	.0000	<.0000
#4	.0020	.0170	.0457	<.0000	.0002	.0000	.0027

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	.0004	.0006	<.0000	<.0000	.4095	.0202
SDev	.0006	.0022	.0014	.0004	.0025	.1655	.0065
%RSD	57.22	614.8	233.7	24.99	130.2	40.41	31.92

#1	.0008	.0004	.0009	<.0000	<.0000	.4095	.0186
#2	.0008	<.0000	<.0000	<.0000	<.0000	.1911	.0253
#3	.0020	.0020	.0014	<.0000	<.0000	.5916	.0118
#4	.0008	.0017	.0014	<.0000	.0012	.4459	.0253

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0028	.0200	.0068	.0390	<.0000	.0677
SDev	.0004	.0047	.0101	.0075	.0116	.0351	.0383
%RSD	201.1	168.1	50.41	110.1	29.61	172.5	56.63

#1	<.0000	.0037	.0181	.0119	.0505	<.0000	.0948
#2	.0008	<.0000	.0296	.0051	.0413	<.0000	.0677
#3	<.0000	.0037	.0258	<.0000	.0413	<.0000	.0948
#4	<.0000	.0074	.0067	.0133	.0230	.0121	.0135

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3677	.0054	.0005	<.0000
SDev	.0125	.0108	.0003	.0014
%RSD	3.389	201.5	66.82	251.9

#1	.3515	<.0000	.0010	<.0000
#2	.3665	.0218	.0003	<.0000
#3	.3715	<.0000	.0003	.0015
#4	.3815	<.0000	.0003	<.0000

Analysis Report

01/09/02 10:25:21 AM

page 1

Method: IECW Sample Name: 29928

Operator: it

Run Time: 01/09/02 10:23:37

Comment:

Mode: COND Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0018	.0274	.0522	.0075	.0158	.0000	7.321
SDev	.0006	.0064	.0668	.0007	.0000	.0000	.023
%RSD	35.79	23.54	128.1	9.556	.0150	.0000	.3136

#1	.0009	.0247	<.0000	.0074	.0158	.0000	7.322
#2	.0024	.0290	.1428	.0074	.0158	.0000	7.345
#3	.0019	.0204	.0444	.0068	.0158	.0000	7.290
#4	.0019	.0355	.0397	.0085	.0158	.0000	7.329

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	.0009	.0010	.0091	.0279	.6644	1.735
SDev	.0040	.0015	.0012	.0010	.0022	.3017	.009
%RSD	407.9	179.5	125.9	11.20	7.856	45.41	.5021

#1	.0001	<.0000	.0027	.0079	.0248	.4459	1.739
#2	.0031	.0020	.0009	.0103	.0294	.9920	1.746
#3	<.0000	.0024	.0004	.0087	.0294	.3731	1.732
#4	.0049	<.0000	<.0000	.0095	.0279	.8464	1.725

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	.0064	8.291	<.0000	.0080	<.0000	.1413
SDev	.0007	.0056	.029	.0026	.0102	.0520	.1023
%RSD	3.185	87.45	.3472	179.5	126.9	613.1	72.38

#1	.0219	.0036	8.306	<.0000	.0184	.0443	.2836
#2	.0234	.0148	8.302	<.0000	.0046	<.0000	.0668
#3	.0227	.0036	8.248	<.0000	<.0000	<.0000	.0668
#4	.0234	.0036	8.309	.0020	.0138	.0280	.1481

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.301	.0405	.0015	.0024
SDev	.021	.0354	.0009	.0011
%RSD	1.596	87.55	59.08	48.42

#1	1.306	.0405	.0017	.0030
#2	1.296	.0404	.0023	.0030
#3	1.276	<.0000	.0003	.0030
#4	1.326	.0838	.0017	.0007

Analysis Report

01/09/02 10:27:33 AM

page 1

Method: IECW Sample Name: 29928lab dup

Operator: it

Run Time: 01/09/02 10:25:49

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0008 ¹⁸	.0225 ²⁷⁴	.0063	.0071	.0156 ¹⁵⁸	.0000	7.226 ⁷³²¹
SDev	.0006	.0039	.0346	.0019	.0004	.0000	.024
%RSD	82.86	17.49	545.6	27.43	2.289	.0000	.3346

#1	.0014	.0182	<.0000	.0068	.0158	.0000	7.207
#2	<.0000	.0247	.0086	.0045	.0158	.0000	7.218
#3	.0009	.0204	.0534	.0091	.0151	.0000	7.262
#4	.0009	.0268	<.0000	.0080	.0158	.0000	7.217

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004 ¹⁰	.0024 ⁹	.0005 ¹⁰	.0087 ⁹¹	.0275 ²⁷⁹	.6735	1.716 ¹⁷³⁵
SDev	.0011	.0010	.0006	.0013	.0019	.2681	.006
%RSD	314.1	44.11	113.4	14.82	7.079	39.81	.3366

#1	.0019	.0034	.0004	.0087	.0294	.8464	1.715
#2	<.0000	.0024	.0014	.0087	.0248	.4095	1.705
#3	<.0000	.0027	.0004	.0071	.0279	.4823	1.712
#4	.0007	.0009	<.0000	.0103	.0279	.9556	1.719

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.0221 ²²⁹	.0017 ⁶⁴	8.271 ⁸²⁹¹	.0067 ⁸	.0390	<.0000	.0533
SDev	.0004	.0037	.053	.0041	.0088	.0081	.0682
%RSD	1.723	214.7	.6397	60.78	22.53	48.99	128.0

#1	.0219	.0036	8.208	.0020	.0321	<.0000	.0668
#2	.0227	.0036	8.325	.0102	.0413	<.0000	.0668
#3	.0219	.0036	8.304	.0047	.0505	<.0000	.1210
#4	.0219	<.0000	8.248	.0102	.0321	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.290	.1001	.0011 ¹⁵	.0012 ²⁴
SDev	.012	.0943	.0007	.0013
%RSD	.9672	94.19	58.66	106.7

#1	1.276	.1923	.0010	.0030
#2	1.306	<.0000	.0003	<.0000
#3	1.286	.0839	.0017	.0007
#4	1.291	.1489	.0017	.0014

Analysis Report

01/09/02 10:54:40 AM

page 1

Method: IECW Sample Name: 29928spk

Operator: it

Run Time: 01/09/02 10:52:55

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	.0145	.2501	.2191	.2574	.2668	.0487	7.099
SDev	.0011	.0065	.0643	.0033	.0008	.0001	.026
%RSD	7.640	2.598	29.34	1.274	.3076	.2474	.3646

#1	.0134	.2468	.2866	.2600	.2675	.0489	7.095
#2	.0139	.2468	.2596	.2600	.2675	.0486	7.082
#3	.0159	.2468	.1787	.2532	.2661	.0487	7.081
#4	.0149	.2598	.1515	.2566	.2661	.0488	7.137

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1054	.1016	.2430	.2554	.2828	<.0000	1.652
SDev	.0007	.0014	.0022	.0006	.0025	.3658	.015
%RSD	.6592	1.360	.9224	.2529	.8915	35.04	.9100

#1	.1048	.0996	.2407	.2554	.2828	<.0000	1.657
#2	.1048	.1021	.2445	.2546	.2828	<.0000	1.637
#3	.1060	.1019	.2416	.2554	.2797	<.0000	1.644
#4	.1060	.1028	.2454	.2562	.2859	<.0000	1.671

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2806	.0938	8.165	.2515	.2671	.2185	.3234
SDev	.0009	.0037	.044	.0056	.0046	.0204	.0713
%RSD	.3125	3.970	.5389	2.236	1.726	9.361	22.05

#1	.2814	.0957	8.111	.2498	.2694	.2226	.2218
#2	.2799	.0882	8.149	.2566	.2694	.1901	.3302
#3	.2799	.0957	8.211	.2443	.2694	.2226	.3574
#4	.2814	.0957	8.188	.2552	.2602	.2388	.3844

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.055	.2891	.0997	.2610
SDev	.017	.1160	.0003	.0010
%RSD	1.652	40.13	.3487	.3702

#1	1.054	.2674	.0995	.2612
#2	1.043	.4408	.1002	.2612
#3	1.043	.1591	.0995	.2620
#4	1.080	.2890	.0995	.2597

Analysis Report

01/09/02 10:57:54 AM

page 1

Method: IECW Sample Name: 29929

Run Time: 01/09/02 10:56:09

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0123	.0248	.0090	.0211	<.0000	15.16
SDev	.0011	.0082	.0269	.0007	.0006	.0001	.06
%RSD	127.7	66.87	108.5	7.311	2.717	33.33	.3947

#1	<.0000	.0172	.0000	.0096	.0211	<.0000	15.14
#2	<.0000	.0096	.0181	.0085	.0204	<.0000	15.13
#3	.0003	.0204	.0180	.0096	.0218	<.0000	15.25
#4	<.0000	.0020	.0632	.0085	.0211	<.0000	15.13

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	.0020	.0101	.0445	.6466	4.582
SDev	.0017	.0017	.0010	.0010	.0031	.2977	.019
%RSD	440.4	107.4	50.18	10.11	6.946	46.04	.4122

#1	<.0000	<.0000	.0030	.0113	.0399	1.062	4.573
#2	.0011	<.0000	.0025	.0097	.0461	.4711	4.563
#3	.0023	.0001	.0020	.0105	.0460	.6558	4.583
#4	<.0000	<.0000	.0006	.0089	.0461	.3972	4.607

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0321	.0034	16.75	.0057	.0161	.0074	.0791
SDev	.0010	.0056	.03	.0059	.0339	.0244	.0513
%RSD	3.051	163.4	.1747	103.8	210.1	331.0	64.88

#1	.0310	<.0000	16.75	.0139	.0576	<.0000	.0859
#2	.0318	<.0000	16.73	.0002	<.0000	.0277	.0045
#3	.0333	.0099	16.72	.0057	.0161	.0277	.1130
#4	.0325	.0062	16.79	.0029	.0161	<.0000	.1130

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.365	.0413	<.0000	.0022
SDev	.014	.0908	.0012	.0004
%RSD	1.048	220.1	2861.	19.84

#1	1.360	<.0000	.0001	.0019
#2	1.360	.0034	.0015	.0026
#3	1.386	.0033	<.0000	.0019
#4	1.355	.1766	<.0000	.0026

Analysis Report

01/09/02 11:02:06 AM

page 1

Method: IECW Sample Name: 29930
 Run Time: 01/09/02 11:00:23
 Comment:
 Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1956	B_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	.0114	<.0000	.0045	.0143	<.0000	6.206
SDev	.0011	.0073	.0434	.0003	.0000	.0001	.016
%RSD	90.54	64.24	77.20	6.360	.0125	33.33	.2595

#1	<.0000	.0195	<.0000	.0046	.0143	<.0000	6.201
#2	<.0000	.0141	<.0000	.0046	.0143	<.0000	6.225
#3	<.0000	.0098	<.0000	.0046	.0143	<.0000	6.211
#4	<.0000	.0022	<.0000	.0040	.0143	<.0000	6.187

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	.0005	<.0000	.0008	.0250	<.0000	1.315
SDev	.0024	.0016	.0002	.0010	.0015	.2656	.007
%RSD	213.0	315.5	42.44	122.0	5.937	82.15	.5156

#1	.0013	.0009	<.0000	.0020	.0261	<.0000	1.318
#2	.0031	.0005	<.0000	.0012	.0246	<.0000	1.318
#3	.0025	.0023	<.0000	<.0000	.0231	.0277	1.318
#4	<.0000	<.0000	<.0000	.0004	.0262	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0223	.0008	7.564	<.0000	.0253	<.0000	.0264
SDev	.0004	.0037	.071	.0041	.0196	.0244	.0810
%RSD	1.703	445.1	.9397	172.3	77.16	291.0	306.4

#1	.0221	<.0000	7.565	.0010	.0115	.0119	.0061
#2	.0229	<.0000	7.634	<.0000	.0253	.0119	.0603
#3	.0221	.0064	7.591	.0010	.0530	<.0000	.1146
#4	.0221	<.0000	7.466	<.0000	.0115	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9737	.0194	.0001	.0001
SDev	.0290	.0674	.0007	.0008
%RSD	2.984	346.7	607.3	786.8

#1	.9486	<.0000	.0010	<.0000
#2	.9961	.0953	<.0000	.0005
#3	1.001	<.0000	.0003	.0005
#4	.9486	.0520	<.0000	.0005

Analysis Report

01/09/02 11:04:59 AM

page 1

Method: IECW Sample Name: 29931

Run Time: 01/09/02 11:03:15

Comment:

Mode: CONC Corr. Factor: 1

Operator: ii



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0103	<.0000	.0055	.0136	<.0000	6.208
SDev	.0012	.0089	.0575	.0015	.0000	.0000	.012
%RSD	80.12	86.39	366.7	27.48	.0163	.0000	.2003

#1	<.0000	.0000	<.0000	.0046	.0136	<.0000	6.194
#2	<.0000	.0109	.0562	.0058	.0136	<.0000	6.216
#3	<.0000	.0087	.0024	.0041	.0136	<.0000	6.202
#4	<.0000	.0217	<.0000	.0075	.0136	<.0000	6.220

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0003	<.0000	<.0000	.0258	<.0000	1.293
SDev	.0013	.0019	.0010	.0006	.0023	.3562	.029
%RSD	159.1	584.8	177.0	184.8	8.997	58.42	2.241

#1	.0025	<.0000	.0005	<.0000	.0277	<.0000	1.285
#2	.0013	.0012	<.0000	.0004	.0246	<.0000	1.325
#3	.0001	<.0000	<.0000	<.0000	.0231	<.0000	1.257
#4	<.0000	.0026	.0000	<.0000	.0277	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	.0018	7.037	.0014	.0184	<.0000	.1214
SDev	.0004	.0036	.065	.0054	.0157	.0156	.0779
%RSD	1.766	201.5	.9219	389.8	85.41	94.23	64.19

#1	.0221	<.0000	7.043	<.0000	.0207	<.0000	.0604
#2	.0214	<.0000	7.064	<.0000	.0115	<.0000	.1417
#3	.0214	.0064	6.945	.0079	.0023	<.0000	.2231
#4	.0214	.0027	7.095	.0038	.0392	<.0000	.0603

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9380	.0899	<.0000	.0005
SDev	.0143	.0570	.0010	.0013
%RSD	1.521	63.37	111.7	260.2

#1	.9433	.0087	<.0000	.0005
#2	.9433	.1169	.0003	.0020
#3	.9170	.0954	<.0000	.0005
#4	.9486	.1386	<.0000	<.0000

Analysis Report

01/09/02 11:08:05 AM

page 1

Method: IECW Sample Name: 29962

Operator: it

Run Time: 01/09/02 11:06:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0006	<.0000	.0052	.0146	<.0000	6.206
SDev	.0005	.0074	.0067	.0024	.0004	.0000	.025
%RSD	27.05	1337.	35.34	45.86	2.809	.0000	.4060

#1	<.0000	<.0000	<.0000	.0080	.0143	<.0000	6.240
#2	<.0000	.0098	<.0000	.0057	.0150	<.0000	6.181
#3	<.0000	.0033	<.0000	.0023	.0150	<.0000	6.208
#4	<.0000	<.0000	<.0000	.0046	.0143	<.0000	6.196

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0347	<.0000	1.319
SDev	.0006	.0011	.0018	.0008	.0020	.3582	.023
%RSD	157.5	4870.	80.67	498.1	5.761	47.88	1.736

#1	<.0000	<.0000	<.0000	.0004	.0354	<.0000	1.549
#2	.0001	<.0000	.0000	.0004	.0339	<.0000	1.325
#3	<.0000	.0016	<.0000	<.0000	.0370	<.0000	1.298
#4	.0001	<.0000	<.0000	<.0000	.0323	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0335	.0018	4.164	.0004	.0150	<.0000	.0671
SDev	.0000	.0083	.055	.0066	.0079	.0081	.1047
%RSD	.0041	465.8	1.310	1853.	52.57	97.23	156.0

#1	.0335	.0102	4.229	.0065	.0253	<.0000	<.0000
#2	.0335	.0064	4.098	<.0000	.0161	<.0000	.1688
#3	.0335	<.0000	4.150	.0051	.0115	<.0000	.1146
#4	.0335	<.0000	4.177	<.0000	.0069	<.0000	.0604

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7174	.0573	<.0000	.0003
SDev	.0263	.0512	.0008	.0016
%RSD	3.673	89.24	72.29	546.9

#1	.7319	.0952	<.0000	.0005
#2	.7372	.0952	<.0000	.0005
#3	.7214	<.0000	<.0000	.0020
#4	.6791	.0520	<.0000	<.0000

Analysis Report

01/09/02 11:10:46 AM

page 1

Method: IECW Sample Name: 299e3
 Run Time: 01/09/02 11:09:02
 Comment:
 Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0044	.0080	.0052	.0150	<.0000	6.160
SDev	.0014	.0108	.0258	.0027	.0000	.0001	.011
%RSD	61.93	247.0	322.8	51.59	.0060	25.00	.1743

#1	<.0000	.0109	.0203	.0080	.0150	<.0000	6.145
#2	<.0000	.0130	<.0000	.0046	.0150	<.0000	6.161
#3	<.0000	.0044	.0384	.0018	.0150	<.0000	6.167
#4	<.0000	<.0000	<.0000	.0063	.0150	<.0000	6.168

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	.0006	.0246	<.0000	1.330
SDev	.0019	.0015	.0025	.0010	.0022	.2721	.024
%RSD	189.5	350.5	181.4	155.5	8.922	31.34	1.797

#1	.0013	<.0000	.0005	.0020	.0246	<.0000	1.342
#2	<.0000	<.0000	.0010	.0004	.0230	<.0000	1.346
#3	.0019	.0012	<.0000	<.0000	.0277	<.0000	1.295
#4	.0025	<.0000	<.0000	.0004	.0230	<.0000	1.339

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0223	.0018	4.205	.0014	.0184	<.0000	.0197
SDev	.0004	.0019	.035	.0062	.0088	.0156	.0470
%RSD	1.709	105.4	.8327	446.6	47.88	63.22	238.8

#1	.0221	.0027	4.223	.0010	.0115	<.0000	.0603
#2	.0221	<.0000	4.152	.0051	.0299	<.0000	<.0000
#3	.0229	.0027	4.220	<.0000	.0115	<.0000	.0604
#4	.0221	.0027	4.223	.0065	.0207	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7134	.1061	<.0000	.0003
SDev	.0053	.0911	.0010	.0004
%RSD	.7426	85.87	111.6	132.2

#1	.7055	<.0000	.0003	.0005
#2	.7161	.1385	<.0000	.0005
#3	.7161	.2036	<.0000	<.0000
#4	.7161	.0953	<.0000	.0005

Analysis Report

01/09/02 11:12:58 AM

page 1

Method: IECW Sample Name: 29964

Operator: it

Run Time: 01/09/02 11:11:15

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0022	.0055	.0142	.0294	<.0000	25.61
SDev	.0011	.0135	.0295	.0011	.0003	.0001	.09
%RSD	44.79	617.1	540.3	7.727	1.188	33.33	.3415

#1	<.0000	<.0000	.0427	.0156	.0293	<.0000	25.56
#2	<.0000	<.0000	<.0000	.0133	.0293	<.0000	25.51
#3	<.0000	.0124	.0154	.0145	.0292	<.0000	25.68
#4	<.0000	.0146	<.0000	.0133	.0300	<.0000	25.69

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0012	<.0000	.0587	.8406	8.518
SDev	.0028	.0018	.0008	.0012	.0020	.4683	.029
%RSD	2376.	91.08	64.16	179.9	3.404	55.72	.3416

#1	.0027	<.0000	.0009	<.0000	.0579	.8406	8.482
#2	<.0000	<.0000	.0004	<.0000	.0595	.2494	8.506
#3	.0009	.0002	.0023	.0007	.0610	1.395	8.543
#4	<.0000	<.0000	.0013	<.0000	.0563	.8775	8.540

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0438	<.0000	27.91	<.0000	.0230	<.0000	.0705
SDev	.0004	.0037	.10	.0093	.0254	.0312	.0683
%RSD	.8696	111.4	.3440	11790.	110.2	229.9	96.83

#1	.0436	<.0000	27.84	<.0000	.0392	.0271	.0841
#2	.0444	<.0000	27.97	<.0000	<.0000	<.0000	.0841
#3	.0436	<.0000	27.82	.0129	.0484	<.0000	.1382
#4	.0436	<.0000	28.02	<.0000	.0115	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.539	.1975	<.0000	.0007
SDev	.017	.0542	.0014	.0011
%RSD	1.131	27.43	251.6	164.0

#1	1.522	.1921	<.0000	<.0000
#2	1.527	.2137	<.0000	.0017
#3	1.559	.1270	.0013	.0017
#4	1.548	.2570	<.0000	.0001

Analysis Report

01/09/02 11:17:13 AM

page 1

Method: IECW Sample Name: 30009

Operator: it

Run Time: 01/09/02 11:15:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0013	.0255	<.0000	.0056	.0146	<.0000	6.239
SDev	.0019	.0197	.0772	.0016	.0004	.0001	.032
%RSD	148.0	77.20	262.6	27.92	2.774	95.74	.5068

#1	<.0000	.0076	<.0000	.0040	.0143	<.0000	6.217
#2	<.0000	.0109	.0428	.0046	.0143	<.0000	6.214
#3	.0029	.0347	<.0000	.0063	.0150	.0000	6.243
#4	.0029	.0488	.0018	.0075	.0150	<.0000	6.283

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0011	.0011	.0020	.0020	.0230	.3233	1.346
SDev	.0012	.0024	.0007	.0019	.0013	.5120	.031
%RSD	109.2	211.3	34.49	95.76	5.515	158.4	2.291

#1	<.0000	.0017	.0024	<.0000	.0230	<.0000	1.346
#2	.0025	<.0000	.0014	.0012	.0246	<.0000	1.305
#3	.0013	.0032	.0014	.0036	.0215	.7667	1.352
#4	.0013	.0019	.0028	.0036	.0230	.7667	1.379

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0227	<.0000	7.670	.0034	.0322	<.0000	.1077
SDev	.0004	.0019	.016	.0007	.0157	.0427	.0463
%RSD	1.677	1788.	.2073	19.97	48.79	507.2	43.02

#1	.0229	<.0000	7.690	.0024	.0115	<.0000	.0874
#2	.0229	<.0000	7.651	.0038	.0299	<.0000	.1688
#3	.0221	.0027	7.672	.0038	.0391	.0119	.0602
#4	.0229	<.0000	7.666	.0038	.0484	.0281	.1144

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	1.046	.1656	.0017	.0003
SDev	.032	.0778	.0018	.0013
%RSD	3.011	46.98	107.3	455.0

#1	1.033	.0952	<.0000	.0005
#2	1.012	.1169	.0010	<.0000
#3	1.054	.1818	.0038	<.0000
#4	1.086	.2684	.0024	.0020

Analysis Report

01/09/02 11:19:29 AM

page 1

Method: IECW Sample Name: 30010

Operator: it

Run Time: 01/09/02 11:17:45

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0387	.2369	.0507	.0088	.0064	.0009	.0618
%RSD	39.52	36.07	21.57	38.67	46.38	33.37	39.72

#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	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0058	.0216	.0250	.0270	.0091	12.86	.2491
%RSD	30.53	30.74	35.26	37.80	110.0	54.10	35.92

#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	<.0000
SDev	.0032	.0136	.2785	.0225	.1520	.1123	.0308
%RSD	32.25	26.81	51.20	34.55	31.50	35.63	8.986

#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	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.2631	.1802	.0274	.0037
%RSD	10.91	74.45	37.46	33.90

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0117	<.0000	<.0000

Analysis Report

01/09/02 11:57:31 AM

page 1

Method: IECW Sample Name: 30011

Operator: it

Run Time: 01/09/02 11:53:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Hg3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	.0012	.0284	.0488	.0140	.0290	.0002	21.80
SDev	.0007	.0092	.0485	.0021	.0000	.0001	.10
%RSD	61.53	32.46	99.49	14.66	.0380	62.85	.4459

#1	.0007	.0195	<.0000	.0113	.0289	.0004	21.84
#2	.0012	.0281	.0386	.0136	.0289	.0002	21.88
#3	.0007	.0249	.0612	.0159	.0289	.0001	21.83
#4	.0022	.0412	.1060	.0153	.0290	.0001	21.66

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0024	.0019	.0044	.0153	.0803	.7759	7.056
SDev	.0010	.0020	.0013	.0008	.0022	.3523	.060
%RSD	43.58	104.5	29.10	4.957	2.701	45.40	.8502

#1	.0034	.0006	.0050	.0159	.0819	.6558	7.065
#2	.0010	.0045	.0059	.0159	.0803	.4711	7.123
#3	.0028	.0025	.0035	.0143	.0819	.6928	7.058
#4	.0022	.0001	.0031	.0151	.0773	1.284	6.977

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0626	.0060	23.41	.0105	.0484	<.0000	.1592
SDev	.0004	.0030	.15	.0032	.0065	.0156	.0260
%RSD	.6082	50.35	.6277	30.05	13.48	166.7	16.31

#1	.0628	.0060	23.41	.0133	.0484	<.0000	.1931
#2	.0628	.0098	23.42	.0078	.0530	<.0000	.1659
#3	.0620	.0060	23.59	.0078	.0530	.0110	.1389
#4	.0628	.0023	23.23	.0133	.0391	<.0000	.1389

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.769	.1727	.0019	.0036
SDev	.007	.0708	.0012	.0013
%RSD	.3755	41.01	61.60	36.42

#1	1.778	.0860	.0021	.0048
#2	1.767	.1725	.0014	.0048
#3	1.762	.1726	.0035	.0025
#4	1.768	.2594	.0007	.0025

Analysis Report

01/09/02 11:59:25 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/09/02 11:57:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5158	1.084	.0417	1.000	1.028	1.021	1.073
SDev	.0006	.007	.0508	.005	.003	.002	.003
%RSD	.1220	.6133	121.7	.4956	.3109	.2130	.2679

#1	.5157	1.084	.0417	.9993	1.026	1.019	1.075
#2	.5167	1.085	.0777	1.001	1.026	1.022	1.071
#3	.5152	1.092	.0776	.9947	1.026	1.019	1.075
#4	.5157	1.076	<.0000	1.007	1.032	1.024	1.069

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.048	1.056	.9986	.9947	1.036	<.0000	1.053
SDev	.001	.006	.0032	.0035	.003	.e234	.017
%RSD	.0812	.5766	.3252	.3531	.2823	232.7	1.585

#1	1.047	1.047	.9942	.9936	1.036	<.0000	1.051
#2	1.049	1.060	1.001	.9936	1.040	.3972	1.075
#3	1.047	1.059	1.001	.9920	1.034	.0647	1.054
#4	1.048	1.057	.9980	.9999	1.034	<.0000	1.034

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.048	1.005	1.038	1.045	1.103	.9805	.1369
SDev	.004	.018	.037	.015	.014	.0448	.0735
%RSD	.3764	1.826	3.539	1.414	1.230	4.569	53.65

#1	1.043	.9821	1.042	1.025	1.089	.9520	.1911
#2	1.052	1.008	1.023	1.059	1.121	.9357	.1640
#3	1.046	1.004	1.0000	1.044	1.103	1.033	.0284
#4	1.051	1.027	1.087	1.052	1.098	1.001	.1641

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.255	1.160	1.043	1.048
SDev	.015	.105	.002	.004
%RSD	1.190	9.066	.2070	.4072

#1	1.234	1.133	1.044	1.044
#2	1.266	1.263	1.042	1.047
#3	1.255	1.220	1.041	1.046
#4	1.266	1.025	1.045	1.053

Analysis Report

01/09/02 12:01:24 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/09/02 11:59:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0079	<.0000	.0046	.0005	.0004	<.0000
SDev	.0009	.0047	.0215	.0018	.0003	.0001	.0035
%RSD	13e6	60.10	44.44	40.04	66.49	34.43	134.7

#1	<.0000	.0062	<.0000	.0061	.0007	.0005	<.0000
#2	.0010	.0051	<.0000	.0061	.0007	.0004	<.0000
#3	<.0000	.0149	<.0000	.0027	.0007	.0003	.0006
#4	.0005	.0051	<.0000	.0033	.0000	.0002	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	.0025	<.0000	.0008	.0008	<.0000	<.0000
SDev	.0010	.0024	.0014	.0014	.0013	.0098	.0141
%RSD	72.55	95.44	1202.	170.7	162.3	17.21	208.1

#1	.0002	.0058	<.0000	.0006	.0008	<.0000	<.0000
#2	.0026	.0004	<.0000	.0014	.0008	<.0000	<.0000
#3	.0014	.0012	.0018	.0022	.0023	<.0000	.0102
#4	.0014	.0027	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0006	.0130	<.0000	.0106	.0196	.0162	.0949
SDev	.0004	.0070	.0072	.0039	.0227	.0081	.0923
%RSD	76.82	54.09	41.56	37.07	115.9	50.11	97.28

#1	.0002	.0177	<.0000	.0055	.0207	.0122	.0881
#2	.0010	.0177	<.0000	.0109	.0161	.0122	.0068
#3	.0009	.0140	<.0000	.0109	.0484	.0122	.0610
#4	.0002	.0028	<.0000	.0150	<.0000	.0285	.2237

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1347	.0054	.0005	.0010
SDev	.0030	.0570	.0010	.0008
%RSD	2.253	1052.	199.8	80.05

#1	.1374	.0325	<.0000	.0021
#2	.1321	.0108	.0010	.0006
#3	.1373	<.0000	.0017	.0006
#4	.1321	.0542	<.0000	.0006

Analysis Report

01/09/02 01:01:17 PM

page 1

Method: IECW Sample Name: 30012

Operator: it

Run Time: 01/09/02 12:59:33

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0123	<.0000	.0061	.0156	<.0000	7.449
SDev	.0006	.0070	.0358	.0016	.0000	.0000	.022
%RSD	51.60	56.86	208.4	26.93	.0135	.0000	.2943

#1	<.0000	.0107	.0065	.0051	.0156	<.0000	7.464
#2	<.0000	.0031	.0201	.0051	.0156	<.0000	7.440
#3	<.0000	.0172	<.0000	.0085	.0156	<.0000	7.471
#4	<.0000	.0183	<.0000	.0056	.0156	<.0000	7.423

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0022	.0013	<.0000	.1392	.0363	<.0000	1.786
SDev	.0008	.0014	.0007	.0004	.0015	.2566	.012
%RSD	35.83	111.5	122.7	.2844	4.065	15.97	.6933

#1	.0031	.0001	<.0000	.1398	.0352	<.0000	1.773
#2	.0013	.0017	.0003	.1390	.0352	<.0000	1.780
#3	.0025	.0001	<.0000	.1390	.0383	<.0000	1.800
#4	.0019	.0032	<.0000	.1390	.0367	<.0000	1.793

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0295	.0045	8.562	.0115	.0311	<.0000	.1211
SDev	.0004	.0048	.067	.0045	.0109	.0156	.0779
%RSD	1.287	106.1	.7875	39.24	35.01	62.97	64.33

#1	.0297	.0101	8.622	.0119	.0392	<.0000	.1686
#2	.0289	<.0000	8.609	.0146	.0161	<.0000	.1415
#3	.0297	.0027	8.542	.0050	.0299	<.0000	.1685
#4	.0297	.0064	8.476	.0146	.0392	<.0000	.0058

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.102	.0512	.0010	.0054
SDev	.028	.1105	.0011	.0008
%RSD	2.516	215.9	118.8	14.08

#1	1.101	<.0000	.0010	.0051
#2	1.064	.0512	<.0000	.0051
#3	1.127	.2028	.0023	.0066
#4	1.117	.0078	.0010	.0051

Analysis Report

01/09/02 01:03:24 PM

page 1

Method: IECW Sample Name: 30012lab dup Operator: it
 Run Time: 01/09/02 13:01:40
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	As2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0053 ¹²³	<.0000	.0052 ⁶¹	.0152 ¹⁵⁶	<.0000	7.442 ⁷⁴⁴⁹
SDev	.0015	.0149	.0963	.0009	.0004	.0001	.034
%RSD	77.62	283.1	529.4	16.43	2.679	108.9	.4553
#1	<.0000	<.0000	<.0000	.0039	.0156	<.0000	7.460
#2	<.0000	.0172	.0604	.0057	.0156	.0000	7.464
#3	<.0000	.0085	.0560	.0056	.0149	<.0000	7.453
#4	<.0000	.0118	<.0000	.0057	.0149	<.0000	7.392
Elem	Cd2288	Cd2286	Cr2677	*Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016 ²²	.0006 ¹³	<.0000	.1384 ¹³⁹²	.0371 ³⁶³	<.0000	1.769 ¹⁷⁸⁶
SDev	.0003	.0028	.0014	.0004	.0026	.1917	.016
%RSD	22.18	480.7	181.2	.2859	7.120	10.59	.9179
#1	.0013	<.0000	<.0000	.1382	.0398	<.0000	1.769
#2	.0013	.0016	.0012	.1382	.0336	<.0000	1.776
#3	.0019	<.0000	<.0000	.1390	.0383	<.0000	1.783
#4	.0019	.0039	<.0000	.1382	.0367	<.0000	1.746
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0293 ²⁹⁵	.0064 ⁴⁶	8.543 ⁸⁵⁶²	.0129 ¹¹⁵	.0265 ³¹	<.0000	.0940
SDev	.0004	.0031	.059	.0021	.0166	.0486	.0341
%RSD	1.497	47.63	.6869	15.90	62.53	575.8	36.28
#1	.0297	.0101	8.576	.0146	.0484	.0120	.0873
#2	.0297	.0064	8.555	.0105	.0115	<.0000	.1414
#3	.0289	.0064	8.584	.0146	.0161	.0444	.0872
#4	.0289	.0027	8.457	.0119	.0299	<.0000	.0601
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.073	.0837	<.0000	.0053 ⁵⁴			
SDev	.026	.1180	.0007	.0010			
%RSD	2.459	141.0	69.69	18.37			
#1	1.088	.2245	<.0000	.0051			
#2	1.080	<.0000	<.0000	.0051			
#3	1.075	<.0000	<.0000	.0066			
#4	1.101	.1379	<.0000	.0043			

Analysis Report

01/09/02 01:49:46 PM

page 1

Method: IECW Sample Name: 30012spk

Operator: it

Run Time: 01/09/02 13:48:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0191	.2822	.1950	.2664	.2679	.0495	7.402
SDev	.0015	.0035	.0239	.0043	.0007	.0001	.018
%RSD	8.125	1.228	12.24	1.596	.2650	.1805	.2460

#1	.0174	.2793	.1602	.2611	.2682	.0496	7.380
#2	.0209	.2858	.2140	.2657	.2668	.0494	7.401
#3	.0184	.2793	.2006	.2674	.2682	.0495	7.402
#4	.0199	.2847	.2050	.2714	.2682	.0496	7.425

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1045	.1067	.2471	.3882	.2928	<.0000	1.779
SDev	.0021	.0013	.0022	.0010	.0032	.5235	.018
%RSD	1.968	1.173	.8836	.2566	1.099	21.23	.9892

#1	.1048	.1067	.2449	.3884	.2936	<.0000	1.766
#2	.1072	.1058	.2463	.3868	.2889	<.0000	1.786
#3	.1036	.1058	.2472	.3884	.2921	<.0000	1.762
#4	.1024	.1084	.2500	.3892	.2967	<.0000	1.800

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2869	.1068	8.561	.2781	.2924	.2509	.4046
SDev	.0020	.0075	.059	.0052	.0119	.0205	.0407
%RSD	.6969	6.978	.6854	1.855	4.068	8.159	10.06

#1	.2852	.1180	8.632	.2743	.2786	.2550	.3843
#2	.2852	.1031	8.490	.2853	.3063	.2713	.4385
#3	.2882	.1031	8.570	.2743	.2970	.2550	.4385
#4	.2890	.1031	8.551	.2784	.2878	.2225	.3571

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.331	.2888	.1026	.2610
SDev	.026	.0177	.0009	.0010
%RSD	1.984	6.120	.8734	.3696

#1	1.296	.2888	.1016	.2597
#2	1.328	.2671	.1022	.2620
#3	1.339	.2889	.1036	.2612
#4	1.360	.3104	.1029	.2612

Analysis Report

01/09/02 01:52:04 PM

page 1

Method: IECW Sample Name: 30013

Operator: it

Run Time: 01/09/02 13:50:21

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0060	.0141	<.0000	6.205
SDev	.0013	.0037	.0350	.0018	.0003	.0001	.014
%RSD	31.13	124.6	74.60	29.31	2.516	33.33	.2228

#1	<.0000	<.0000	<.0000	.0052	.0143	<.0000	6.219
#2	<.0000	.0000	<.0000	.0058	.0136	<.0000	6.215
#3	<.0000	.0000	<.0000	.0086	.0143	<.0000	6.195
#4	<.0000	<.0000	<.0000	.0046	.0143	<.0000	6.191

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	<.0000	.0036	.0265	<.0000	1.293
SDev	.0016	.0016	.0016	.0006	.0008	.2946	.018
%RSD	138.8	117.1	71.08	17.90	2.906	9.724	1.429

#1	.0019	.0009	<.0000	.0044	.0261	<.0000	1.308
#2	.0013	<.0000	.0001	.0036	.0262	<.0000	1.271
#3	.0025	<.0000	<.0000	.0036	.0277	<.0000	1.308
#4	<.0000	<.0000	<.0000	.0028	.0262	<.0000	1.285

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	.0046	8.003	.0161	.0092	.0079	.1214
SDev	.0004	.0022	.052	.0051	.0311	.0335	.1692
%RSD	1.761	47.05	.6474	31.82	338.0	422.9	139.3

#1	.0214	.0027	7.942	.0147	.0484	.0120	.2231
#2	.0214	.0027	7.992	.0229	<.0000	.0445	.2231
#3	.0221	.0064	8.067	.0161	.0161	<.0000	.1688
#4	.0214	.0064	8.013	.0106	<.0000	.0120	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9764	.1007	<.0000	.0012
SDev	.0050	.1243	.0012	.0009
%RSD	.5155	123.4	60.10	70.84

#1	.9803	<.0000	<.0000	.0020
#2	.9751	.2470	<.0000	.0005
#3	.9803	.1603	<.0000	.0020
#4	.9698	.0087	<.0000	.0005

Analysis Report

01/09/02 02:03:21 PM

page 1

Method: IECW Sample Name: 30014

Run Time: 01/09/02 14:01:37

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0066	.0145	<.0000	6.292
SDev	.0008	.0067	.0298	.0006	.0003	.0000	.031
%RSD	15.86	70.75	111.9	8.577	2.432	.0000	.4956

#1	<.0000	<.0000	.0072	.0069	.0143	<.0000	6.268
#2	<.0000	<.0000	<.0000	.0058	.0143	<.0000	6.272
#3	<.0000	<.0000	<.0000	.0069	.0150	<.0000	6.336
#4	<.0000	<.0000	<.0000	.0069	.0143	<.0000	6.292

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	.0038	.0277	<.0000	1.256
SDev	.0010	.0016	.0013	.0004	.0013	.2673	.016
%RSD	105.1	56.25	70.12	10.38	4.553	8.244	1.257

#1	.0013	<.0000	<.0000	.0036	.0277	<.0000	1.254
#2	<.0000	<.0000	<.0000	.0036	.0262	<.0000	1.240
#3	.0019	<.0000	<.0000	.0044	.0277	<.0000	1.278
#4	.0013	<.0000	<.0000	.0036	.0293	<.0000	1.251

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0202	<.0000	6.955	.0199	.0023	<.0000	.1147
SDev	.0004	.0019	.033	.0048	.0226	.0230	.0586
%RSD	2.166	2364.	.4692	24.09	980.0	62.53	51.11

#1	.0198	<.0000	6.912	.0175	.0299	<.0000	.1147
#2	.0198	<.0000	6.987	.0216	<.0000	<.0000	.1960
#3	.0206	<.0000	6.972	.0257	<.0000	<.0000	.0604
#4	.0206	.0027	6.949	.0147	.0115	<.0000	.0875

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.313	.0629	<.0000	.0022
SDev	.736	.0516	.0010	.0004
%RSD	56.06	82.06	44.92	17.39

#1	.9328	.0954	<.0000	.0028
#2	.9487	.0304	<.0000	.0020
#3	2.417	.0087	<.0000	.0020
#4	.9540	.1170	<.0000	.0020

Analysis Report

01/09/02 02:06:18 PM

page 1

Method: IECW Sample Name: 30015

Operator: it

Run Time: 01/09/02 14:04:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0043	.0143	<.0000	6.179
SDev	.0008	.0070	.0215	.0010	.0000	.0000	.005
%RSD	13.70	46.37	1160.	22.84	.0047	.0000	.0875

#1	<.0000	<.0000	<.0000	.0041	.0143	<.0000	6.178
#2	<.0000	<.0000	.0207	.0041	.0143	<.0000	6.181
#3	<.0000	<.0000	<.0000	.0058	.0143	<.0000	6.184
#4	<.0000	<.0000	.0117	.0035	.0143	<.0000	6.172

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	<.0000	<.0000	.0060	.0254	<.0000	1.280
SDev	.0005	.0018	.0006	.0009	.0015	.0873	.013
%RSD	25.99	77.02	27.16	15.27	6.090	2.655	1.000

#1	.0025	<.0000	<.0000	.0068	.0262	<.0000	1.271
#2	.0013	<.0000	<.0000	.0068	.0262	<.0000	1.298
#3	.0019	<.0000	<.0000	.0052	.0231	<.0000	1.271
#4	.0019	<.0000	<.0000	.0052	.0262	<.0000	1.281

Elem	Mn2576	Mg2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0244	.0027	7.289	.0188	<.0000	<.0000	.1418
SDev	.0006	.0030	.026	.0070	.0211	.0156	.1192
%RSD	2.547	111.9	.3529	37.04	203.3	63.36	84.10

#1	.0244	.0064	7.320	.0093	.0207	<.0000	.0062
#2	.0236	<.0000	7.270	.0215	<.0000	<.0000	.1960
#3	.0252	.0027	7.301	.0257	<.0000	<.0000	.2774
#4	.0244	.0027	7.266	.0188	<.0000	<.0000	.0876

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9288	.0628	<.0000	.0009
SDev	.0260	.0375	.0004	.0008
%RSD	2.800	59.69	18.70	88.40

#1	.8958	.0304	<.0000	.0020
#2	.9275	.0953	<.0000	.0005
#3	.9528	.0304	<.0000	.0005
#4	.9592	.0953	<.0000	.0005

Analysis Report

01/09/02 02:11:39 PM

page 1

Method: IECW Sample Name: 30021

Operator: it

Run Time: 01/09/02 14:09:56

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0058	.0139	<.0000	6.131
SDev	.0022	.0125	.0377	.0021	.0004	.0001	.011
%RSD	43.73	232.8	200.3	36.17	2.931	33.33	.1770

#1	<.0000	<.0000	<.0000	.0069	.0136	<.0000	6.128
#2	<.0000	.0000	.0249	.0046	.0143	<.0000	6.147
#3	<.0000	.0098	<.0000	.0081	.0143	<.0000	6.130
#4	<.0000	<.0000	<.0000	.0035	.0136	<.0000	6.121

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	<.0000	.0242	<.0000	1.290
SDev	.0015	.0018	.0010	.0014	.0015	.6324	.011
%RSD	153.0	726.2	38.41	53.54	6.117	21.39	.8721

#1	.0013	<.0000	<.0000	<.0000	.0231	<.0000	1.281
#2	.0013	.0003	<.0000	<.0000	.0246	<.0000	1.305
#3	.0025	.0007	<.0000	<.0000	.0231	<.0000	1.291
#4	<.0000	.0009	<.0000	<.0000	.0262	<.0000	1.281

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0223	.0046	7.640	.0192	.0150	<.0000	.1079
SDev	.0004	.0022	.052	.0034	.0251	.0360	.0406
%RSD	1.701	47.19	.6867	17.85	167.4	63.08	37.68

#1	.0221	.0064	7.670	.0188	<.0000	<.0000	.0876
#2	.0229	.0027	7.566	.0147	.0161	<.0000	.1417
#3	.0221	.0027	7.640	.0202	.0299	<.0000	.1417
#4	.0221	.0064	7.684	.0229	.0346	<.0000	.0604

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9631	.0899	<.0000	<.0000
SDev	.0132	.1081	.0009	.0004
%RSD	1.370	120.3	31.56	80.59

#1	.9434	<.0000	<.0000	<.0000
#2	.9697	.1603	<.0000	<.0000
#3	.9698	.0086	<.0000	<.0000
#4	.9698	.2037	<.0000	<.0000

Analysis Report

01/09/02 02:20:49 PM

page 1

Method: IECW Sample Name: 30022

Operator: it

Run Time: 01/09/02 14:19:05

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0048	.0139	<.0000	6.125
SDev	.0008	.0098	.0576	.0016	.0004	.0000	.013
%RSD	15.08	109.9	207.4	32.99	2.930	.0000	.2060

#1	<.0000	.0022	.0564	.0029	.0143	<.0000	6.142
#2	<.0000	<.0000	<.0000	.0058	.0136	<.0000	6.117
#3	<.0000	<.0000	<.0000	.0041	.0136	<.0000	6.114
#4	<.0000	<.0000	<.0000	.0063	.0143	<.0000	6.126

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	<.0000	<.0000	<.0000	.0231	<.0000	1.291
SDev	.0020	.0012	.0016	.0005	.0013	.1459	.021
%RSD	107.0	84.61	60.21	14.65	5.463	4.461	1.661

#1	.0031	<.0000	<.0000	<.0000	.0231	<.0000	1.318
#2	.0031	<.0000	<.0000	<.0000	.0246	<.0000	1.298
#3	.0025	<.0000	<.0000	<.0000	.0215	<.0000	1.271
#4	<.0000	<.0000	<.0000	<.0000	.0231	<.0000	1.278

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0193	.0018	7.123	.0226	<.0000	<.0000	.1011
SDev	.0004	.0036	.054	.0036	.0166	.0188	.1182
%RSD	1.967	200.1	.7594	15.92	205.4	91.65	117.0

#1	.0198	.0027	7.078	.0256	.0161	<.0000	<.0000
#2	.0191	<.0000	7.201	.0202	<.0000	<.0000	.1689
#3	.0191	.0064	7.114	.0257	<.0000	<.0000	.1418
#4	.0191	<.0000	7.099	.0188	<.0000	<.0000	.1689

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9631	.1062	<.0000	<.0000
SDev	.0132	.0216	.0009	.0006
%RSD	1.369	20.38	41.80	221.6

#1	.9697	.1386	<.0000	<.0000
#2	.9697	.0953	<.0000	.0005
#3	.9434	.0954	<.0000	<.0000
#4	.9698	.0953	<.0000	<.0000

Analysis Report

01/09/02 02:31:13 PM

page 1

Method: IECW Sample Name: 30085

Operator: it

Run Time: 01/09/02 14:29:29

Comment:

Mode: CONC Corr. Factor: 1

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avge	<.0000	<.0000	<.0000	.0053	.0143	<.0000	6.120
SDev	.0008	.0100	.0063	.0013	.0000	.0001	.007
%RSD	26.50	266.4	97.40	23.78	.0019	33.33	.1108

#1	<.0000	<.0000	.0025	.0041	.0143	<.0000	6.123
#2	<.0000	<.0000	<.0000	.0069	.0143	<.0000	6.126
#3	<.0000	.0109	<.0000	.0046	.0143	<.0000	6.110
#4	<.0000	<.0000	<.0000	.0058	.0143	<.0000	6.120

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	<.0000	<.0000	<.0000	.0258	<.0000	1.314
SDev	.0017	.0015	.0021	.0013	.0034	.4040	.014
%RSD	120.1	56.30	129.0	66.94	13.30	13.84	1.102

#1	<.0000	<.0000	<.0000	<.0000	.0246	<.0000	1.298
#2	.0037	<.0000	<.0000	<.0000	.0231	<.0000	1.308
#3	.0013	<.0000	.0010	<.0000	.0308	<.0000	1.332
#4	.0013	<.0000	<.0000	<.0000	.0246	<.0000	1.318

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	<.0000	7.613	.0256	.0196	<.0000	.0807
SDev	.0004	.0047	.027	.0058	.0079	.0244	.0407
%RSD	1.767	240.5	.3541	22.61	40.17	148.0	50.41

#1	.0221	.0027	7.628	.0256	.0161	<.0000	.0604
#2	.0214	<.0000	7.634	.0297	.0207	<.0000	.1418
#3	.0214	<.0000	7.574	.0297	.0299	.0119	.0603
#4	.0214	<.0000	7.617	.0174	.0115	<.0000	.0604

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9657	.0953	<.0000	<.0000
SDev	.0284	.0306	.0007	.0007
%RSD	2.939	32.16	71.21	85.38

#1	.9328	.1170	<.0000	<.0000
#2	.9697	.0520	<.0000	<.0000
#3	1.001	.0952	<.0000	<.0000
#4	.9591	.1169	<.0000	<.0000

Analysis Report

01/09/02 02:33:18 PM

page 1

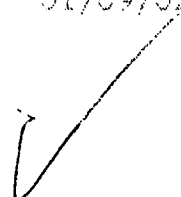
Method: IECW Sample Name: 3008c

Operator: it

Run Time: 01/09/02 14:31:35

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0062	.0143	<.0000	6.126
SDev	.0007	.0027	.0391	.0019	.0000	.0001	.015
%RSD	17.26	28.64	296.5	30.40	.0094	33.33	.2499

#1	<.0000	<.0000	.0205	.0075	.0143	<.0000	6.140
#2	<.0000	<.0000	.0205	.0041	.0143	<.0000	6.114
#3	<.0000	<.0000	<.0000	.0052	.0143	<.0000	6.112
#4	<.0000	<.0000	<.0000	.0080	.0143	<.0000	6.139

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	.0277	<.0000	1.301
SDev	.0013	.0016	.0010	.0006	.0040	.0769	.008
%RSD	248.2	82.11	65.28	18.39	14.42	2.294	.6521

#1	<.0000	<.0000	<.0000	<.0000	.0293	<.0000	1.305
#2	.0001	<.0000	<.0000	<.0000	.0231	<.0000	1.305
#3	.0025	<.0000	<.0000	<.0000	.0262	<.0000	1.305
#4	.0001	<.0000	<.0000	<.0000	.0324	<.0000	1.288

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	7.152	.0212	<.0000	<.0000	.0604
SDev	.0008	.0053	.053	.0060	.0044	.0351	.0586
%RSD	3.165	519.9	.7446	28.52	29.45	826.0	96.99

#1	.0244	.0027	7.160	.0270	<.0000	.0445	.0875
#2	.0244	<.0000	7.218	.0174	<.0000	<.0000	<.0000
#3	.0229	<.0000	7.141	.0256	<.0000	<.0000	.0604
#4	.0244	.0027	7.089	.0147	<.0000	<.0000	.1146

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9618	.0682	<.0000	<.0000
SDev	.0140	.0758	.0009	.0000
%RSD	1.453	111.1	31.53	.1820

#1	.9750	.0953	<.0000	<.0000
#2	.9433	<.0000	<.0000	<.0000
#3	.9697	.1603	<.0000	<.0000
#4	.9592	.0303	<.0000	<.0000

Analysis Report

01/09/02 02:59:04 PM

page 1

Method: IECW Sample Name: 30107

Run Time: 01/09/02 14:37:20

Comment:

Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0151	.0293	<.0000	25.47
SDev	.0010	.0094	.0536	.0017	.0000	.0000	.08
%RSD	22.72	80.50	367.8	11.12	.0301	.0000	.3088

#1	<.0000	<.0000	.0339	.0133	.0293	<.0000	25.40
#2	<.0000	<.0000	.0157	.0139	.0293	<.0000	25.40
#3	<.0000	<.0000	<.0000	.0162	.0293	<.0000	25.51
#4	<.0000	<.0000	<.0000	.0168	.0293	<.0000	25.55

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	<.0000	.0003	<.0000	.0572	<.0000	8.487
SDev	.0021	.0015	.0008	.0011	.0009	.2144	.043
%RSD	165.9	59.79	255.0	34.64	1.563	12.68	.5058

#1	<.0000	<.0000	.0005	<.0000	.0564	<.0000	8.431
#2	.0021	<.0000	<.0000	<.0000	.0579	<.0000	8.479
#3	.0009	<.0000	<.0000	<.0000	.0579	<.0000	8.503
#4	.0033	<.0000	.0013	<.0000	.0564	<.0000	8.533

Elem	Mn2576	Mo2020	Na3389	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0436	.0022	27.83	.0280	.0069	<.0000	.0977
SDev	.0000	.0053	.08	.0083	.0065	.0156	.0519
%RSD	.0067	234.2	.2794	29.61	94.33	88.62	53.14

#1	.0437	<.0000	27.85	.0321	.0069	<.0000	.1113
#2	.0436	.0097	27.77	.0198	<.0000	<.0000	.0570
#3	.0436	<.0000	27.94	.0225	.0115	<.0000	.0570
#4	.0436	.0022	27.78	.0375	.0115	<.0000	.1654

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.494	.0838	<.0000	<.0000
SDev	.023	.0531	.0010	.0004
%RSD	1.538	63.35	39.25	613.6

#1	1.485	.0839	<.0000	.0001
#2	1.490	.1488	<.0000	.0001
#3	1.527	.0188	<.0000	<.0000
#4	1.474	.0837	<.0000	.0001

Analysis Report

01/09/02 02:41:37 PM

page 1

Method: IECW Sample Name: 30108

Operator: it

Run Time: 01/09/02 14:39:53

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0048	.0148	<.0000	6.084
SDev	.0026	.0127	.0263	.0019	.0007	.0001	.015
%RSD	42.89	61.02	108.4	40.82	4.571	25.00	.2425

#1	<.0000	<.0000	<.0000	.0063	.0143	<.0000	6.073
#2	<.0000	<.0000	<.0000	.0023	.0150	<.0000	6.087
#3	<.0000	<.0000	<.0000	.0063	.0157	<.0000	6.103
#4	<.0000	<.0000	<.0000	.0041	.0143	<.0000	6.072

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	<.0000	<.0000	.0242	<.0000	1.308
SDev	.0014	.0017	.0022	.0010	.0032	.5272	.005
%RSD	124.9	43.64	48.73	26.13	13.17	14.13	.3664

#1	.0031	<.0000	<.0000	<.0000	.0215	<.0000	1.308
#2	.0013	<.0000	<.0000	<.0000	.0277	<.0000	1.305
#3	.0001	<.0000	<.0000	<.0000	.0215	<.0000	1.315
#4	.0001	<.0000	<.0000	<.0000	.0262	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	<.0000	4.248	.0280	<.0000	<.0000	.0808
SDev	.0006	.0000	.022	.0070	.0233	.0082	.0260
%RSD	2.806	.7377	.5095	24.98	289.1	24.96	32.18

#1	.0221	<.0000	4.266	.0380	<.0000	<.0000	.1147
#2	.0229	<.0000	4.235	.0256	.0115	<.0000	.0876
#3	.0221	<.0000	4.223	.0215	.0115	<.0000	.0604
#4	.0214	<.0000	4.266	.0270	<.0000	<.0000	.0604

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6818	.0466	<.0000	.0005
SDev	.0294	.0570	.0013	.0011
%RSD	4.313	122.4	37.61	223.9

#1	.6844	.0953	<.0000	.0020
#2	.6527	.0087	<.0000	<.0000
#3	.7214	.0953	<.0000	.0005
#4	.6686	<.0000	<.0000	<.0000

Analysis Report

01/09/02 02:44:29 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/09/02 14:42:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5048 ✓	1.039	<.0000	.9885	1.027 ✓	1.013	1.033
SDev	.0011	.006	.0453	.0060	.004	.002	.004
%RSD	.2197	.5539	355.8	.6095	.3716	.2210	.4082

#1	.5057	1.048	.0423	.9839	1.023	1.011	1.035
#2	.5052	1.035	.0064	.9947	1.027	1.015	1.038
#3	.5032	1.037	<.0000	.9828	1.026	1.012	1.032
#4	.5052	1.038	<.0000	.9925	1.032	1.016	1.028

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.026	1.033	.9733	.9882	1.022	<.0000	.9789
SDev	.005	.003	.0042	.0043	.003	.3658	.0097
%RSD	.4751	.2452	.4266	.4309	.3120	12.34	.9952

#1	1.033	1.033	.9792	.9825	1.025	<.0000	.9797
#2	1.027	1.036	.9731	.9888	1.019	<.0000	.9797
#3	1.024	1.033	.9698	.9888	1.020	<.0000	.9661
#4	1.021	1.029	.9712	.9928	1.025	<.0000	.9899

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.032 ✓	1.001	1.017	1.036	1.021	.9887	.0964
SDev	.004	.012	.014	.013	.039	.0486	.1202
%RSD	.3962	1.178	1.377	1.281	3.855	4.913	124.7

#1	1.031	.9933	1.027	1.054	1.006	.9684	.2727
#2	1.037	.9896	.9962	1.037	.9970	.9359	.0558
#3	1.027	1.016	1.023	1.026	1.080	1.001	.0015
#4	1.033	1.004	1.021	1.025	1.002	1.050	.0557

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.112	1.020	1.023	1.027
SDev	.016	.104	.003	.004
%RSD	1.418	10.17	.2620	.3416

#1	1.118	1.133	1.024	1.024
#2	1.129	.8950	1.023	1.032
#3	1.092	1.068	1.019	1.027
#4	1.108	.9816	1.025	1.027

Analysis Report

01/09/02 02:51:14 PM

page 1

Method: IECW Sample Name: cb
 Run Time: 01/09/02 14:49:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0037	<.0000	<.0000	<.0000
SDev	.0009	.0044	.0332	.0007	.0004	.0001	.0026
%RSD	91.29	201.6	62.87	19.24	115.7	100.00	32.32

#1	.0000	<.0000	<.0000	.0039	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0027	.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0044	<.0000	.0000	<.0000
#4	<.0000	.0041	<.0000	.0039	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0020	.0002	<.0000	<.0000	.0012	<.0000	<.0000
SDev	.0012	.0012	.0004	.0012	.0023	.0026	.0185
%RSD	61.54	555.5	17.18	75.00	199.1	11.87	197.8

#1	.0038	<.0000	<.0000	<.0000	.0023	<.0000	<.0000
#2	.0014	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0014	.0012	<.0000	<.0000	.0039	<.0000	.0170
#4	.0014	.0012	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0009	.0274	.0250	.0069	.0041	.1085
SDev	.0006	.0037	.0134	.0039	.0146	.0312	.0896
%RSD	325.9	399.5	48.73	15.75	210.8	764.6	82.61

#1	<.0000	.0065	.0135	.0273	<.0000	<.0000	.1695
#2	.0010	<.0000	.0193	.0260	.0115	.0285	.1695
#3	.0002	<.0000	.0346	.0191	.0253	<.0000	.1152
#4	.0002	<.0000	.0423	.0273	<.0000	.0285	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0766	.0921	<.0000	.0000
SDev	.0291	.0447	.0009	.0004
%RSD	37.94	48.52	167.7	118800.

#1	.0634	.0975	<.0000	<.0000
#2	.0423	.0975	<.0000	<.0000
#3	.1056	.0325	.0003	<.0000
#4	.0951	.1408	<.0000	.0006

Analysis Report

01/09/02 02:56:27 PM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 01/09/02 14:54:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca1179
Avge	.0146	.2296	.2183	.2573	.2597	.0503	<.0000
SDev	.0006	.0060	.0532	.0017	.0010	.0001	.0021
%RSD	4.302	2.595	24.39	.6674	.3866	.1856	25.24

#1	.0145	.2336	.2160	.2582	.2597	.0503	<.0000
#2	.0145	.2282	.1531	.2582	.2590	.0503	<.0000
#3	.0155	.2347	.2834	.2548	.2590	.0503	<.0000
#4	.0140	.2217	.2206	.2582	.2612	.0504	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1071	.1037	.2452	.2530	.2611	<.0000	<.0000
SDev	.0017	.0003	.0021	.0008	.0053	.2120	.0033
%RSD	1.547	.2409	.8531	.2997	2.017	4.664	22.22

#1	.1061	.1039	.2445	.2524	.2654	<.0000	<.0000
#2	.1091	.1033	.2445	.2524	.2545	<.0000	<.0000
#3	.1079	.1039	.2435	.2532	.2654	<.0000	<.0000
#4	.1055	.1037	.2483	.2540	.2592	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2639	.1079	.0091	.2799	.2556	.2310	.3243
SDev	.0013	.0036	.0177	.0101	.0209	.0094	.0341
%RSD	.4924	3.304	194.0	3.620	8.194	4.063	10.53

#1	.2633	.1070	.0211	.2926	.2740	.2392	.3311
#2	.2641	.1107	<.0000	.2830	.2510	.2392	.3582
#3	.2625	.1107	.0269	.2748	.2694	.2229	.2768
#4	.2656	.1033	<.0000	.2693	.2280	.2229	.3311

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1757	.0406	.1003	.2590
SDev	.0100	.0873	.0013	.0014
%RSD	5.688	25.64	1.265	.5409

#1	.1744	.2919	.0996	.2575
#2	.1903	.2486	.1009	.2606
#3	.1691	.3783	.0989	.2583
#4	.1691	.4436	.1016	.2598

Analysis Report

01/09/02 05:00:22 PM

page 1

Method: IECW Sample Name: Irr

Operator: it

Run Time: 01/09/02 14:58:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0009	.0000	<.0000	<.0000
SDev	.0012	.0046	.0402	.0012	.0000	.0000	.0015
%RSD	81.65	855.1	149.2	137.2	54.13	.0000	22.17
#1	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0021	.0000	<.0000	<.0000
#3	.0000	.0062	.0303	.0016	.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	<.0000	<.0000	<.0000	.0012	<.0000	<.0000
SDev	.0018	.0003	.0020	.0014	.0023	.1395	.0085
%RSD	99.51	34.82	133.1	98.98	199.7	5.355	142.9
#1	.0014	<.0000	<.0000	<.0000	<.0000	<.0000	.0034
#2	<.0000	<.0000	<.0000	<.0000	.0039	<.0000	<.0000
#3	.0038	<.0000	.0013	.0006	.0023	<.0000	<.0000
#4	.0026	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0037	.0245	.0294	.0150	<.0000	.0814
SDev	.0004	.0036	.0107	.0057	.0217	.0278	.0260
%RSD	100.1	95.79	43.61	19.55	145.1	85.39	31.92
#1	<.0000	.0028	.0116	.0301	.0299	<.0000	.0881
#2	<.0000	.0065	.0366	.0369	<.0000	<.0000	.1153
#3	<.0000	<.0000	.0289	.0273	.0299	<.0000	.0610
#4	.0002	.0065	.0212	.0232	.0161	<.0000	.0610
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	.0291	.0488	<.0000	<.0000			
SDev	.0164	.0370	.0007	.0008			
%RSD	56.49	75.91	100.0	133.3			
#1	.0211	.0108	<.0000	<.0000			
#2	.0159	.0542	<.0000	<.0000			
#3	.0528	.0325	<.0000	<.0000			
#4	.0264	.0975	<.0000	<.0000			

Analysis Report

01/09/02 03:04:14 PM

page 1

Method: IECW Sample Name: 30109

Operator: it

Run Time: 01/09/02 15:02:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag5280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0044	.0134	<.0000	6.017
SDev	.0009	.0024	.0905	.0014	.0003	.0000	.031
%RSD	14.97	10.96	233.0	32.96	2.623	.0000	.5219
#1	<.0000	<.0000	.0073	.0064	.0136	<.0000	6.026
#2	<.0000	<.0000	.0657	.0029	.0129	<.0000	5.973
#3	<.0000	<.0000	<.0000	.0041	.0136	<.0000	6.047
#4	<.0000	<.0000	<.0000	.0041	.0136	<.0000	6.022
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	<.0000	<.0000	<.0000	.0215	<.0000	1.251
SDev	.0013	.0004	.0014	.0008	.0013	.2175	.018
%RSD	78.61	12.23	60.29	25.96	5.884	5.490	1.474
#1	.0031	<.0000	<.0000	<.0000	.0231	<.0000	1.251
#2	.0001	<.0000	<.0000	<.0000	.0215	<.0000	1.240
#3	.0019	<.0000	<.0000	<.0000	.0200	<.0000	1.278
#4	.0013	<.0000	<.0000	<.0000	.0215	<.0000	1.237
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0189	<.0000	4.094	.0260	.0012	<.0000	.1215
SDev	.0004	.0019	.009	.0007	.0207	.0081	.0463
%RSD	2.017	2635.	.2317	2.612	1792.	24.90	38.12
#1	.0191	<.0000	4.098	.0257	<.0000	<.0000	.1147
#2	.0191	<.0000	4.089	.0257	.0253	<.0000	.0605
#3	.0183	.0027	4.104	.0270	.0115	<.0000	.1418
#4	.0191	<.0000	4.083	.0257	<.0000	<.0000	.1690
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6489	.0521	<.0000	.0007			
SDev	.0132	.0468	.0006	.0014			
%RSD	2.032	89.89	17.80	213.8			
#1	.6475	.0087	<.0000	.0005			
#2	.6317	.0304	<.0000	<.0000			
#3	.6633	.0520	<.0000	.0028			
#4	.6529	.1171	<.0000	<.0000			

Analysis Report

01/09/02 03:06:21 PM

page 1

Method: IECW Sample Name: 30109lab dup

Operator: it

Run Time: 01/09/02 15:04:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0065	.0136 ¹³⁴	<.0000	6.020 ⁶⁰¹⁷
SDev	.0015	.0120	.0578	.0016	.0000	.0001	.049
%RSD	28.05	79.11	377.6	24.21	.0393	63.83	.8150

#1	<.0000	<.0000	<.0000	.0075	.0136	<.0000	5.953
#2	<.0000	<.0000	.0205	.0081	.0136	<.0000	6.070
#3	<.0000	<.0000	.0205	.0058	.0136	<.0000	6.024
#4	<.0000	<.0000	<.0000	.0046	.0136	<.0000	6.034

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019 ¹⁶	<.0000	<.0000	<.0000	.0200 ²¹⁵	<.0000	1.240 ¹²⁵¹
SDev	.0025	.0027	.0024	.0010	.0022	.6266	.021
%RSD	132.2	131.5	84.75	43.94	10.89	17.48	1.655

#1	.0013	<.0000	<.0000	<.0000	.0169	<.0000	1.213
#2	.0049	<.0000	<.0000	<.0000	.0215	<.0000	1.251
#3	.0025	<.0000	.0001	<.0000	.0215	<.0000	1.261
#4	<.0000	<.0000	<.0000	<.0000	.0200	<.0000	1.237

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0189 ¹⁸⁹	.0009	4.155 ⁴⁰⁹⁴	.0270 ²⁶⁰	.0127	<.0000	.0469
SDev	.0004	.0022	.038	.0078	.0161	.0430	.0843
%RSD	2.011	251.7	.9059	28.92	127.2	70.32	179.7

#1	.0191	.0027	4.098	.0366	.0069	<.0000	.0605
#2	.0191	<.0000	4.177	.0298	.0299	<.0000	.0875
#3	.0191	<.0000	4.170	.0188	.0207	<.0000	.1146
#4	.0183	.0027	4.173	.0229	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0634	.0413	<.0000	.0005
SDev	.0486	.0674	.0018	.0000
%RSD	7.326	163.3	64.70	.3744

#1	.6159	.0305	<.0000	.0005
#2	.6317	.0087	<.0000	.0005
#3	.6845	<.0000	<.0000	.0005
#4	.7215	.1388	<.0000	.0005

Analysis Report

01/09/02 03:20:44 PM

page 1

Method: IECW Sample Name: 30109spk

Operator: it

Run Time: 01/09/02 15:19:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0149	.2440	.2386	.2595	.2659	.0490	5.939
SDev	.0017	.0097	.0331	.0042	.0009	.0002	.038
%RSD	11.29	3.994	13.86	1.625	.3435	.4121	.6469
#1	.0129	.2481	.2869	.2578	.2655	.0488	5.913
#2	.0144	.2383	.2195	.2578	.2662	.0489	5.919
#3	.0169	.2556	.2328	.2658	.2669	.0492	5.996
#4	.0154	.2340	.2151	.2567	.2648	.0490	5.928
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1036	.1026	.2397	.2451	.2765	<.0000	1.243
SDev	.0029	.0021	.0024	.0016	.0039	.2495	.010
%RSD	2.846	2.004	1.020	.6457	1.398	7.629	.7832
#1	.1072	.1014	.2385	.2443	.2707	<.0000	1.237
#2	.1012	.1005	.2371	.2443	.2784	<.0000	1.240
#3	.1012	.1051	.2428	.2475	.2784	<.0000	1.257
#4	.1048	.1033	.2404	.2443	.2784	<.0000	1.237
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2746	.0985	4.237	.2813	.2418	.2023	.3847
SDev	.0022	.0056	.018	.0064	.0065	.0336	.1642
%RSD	.8150	5.678	.4344	2.280	2.694	16.58	42.70
#1	.2723	.1032	4.247	.2840	.2372	.2227	.4660
#2	.2746	.1032	4.237	.2799	.2418	.1739	.4389
#3	.2776	.0920	4.254	.2731	.2510	.1738	.1406
#4	.2738	.0957	4.212	.2881	.2372	.2390	.4932
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.8338	.2952	.0976	.2513			
SDev	.0066	.0341	.0013	.0023			
%RSD	.7953	18.34	1.346	.8984			
#1	.8325	.2248	.0967	.2513			
#2	.8325	.2898	.0974	.2482			
#3	.8430	.3547	.0995	.2536			
#4	.8272	.3114	.0967	.2520			

Analysis Report

01/09/02 03:22:56 PM

page 1

Method: IECW Sample Name: 30111

Operator: it

Run Time: 01/09/02 15:21:12

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0062	.0150	<.0000	6.082
SDev	.0005	.0055	.0917	.0016	.0000	.0000	.014
%RSD	7.399	30.75	141.6	25.35	.0094	.0000	.2236

#1	<.0000	<.0000	<.0000	.0081	.0150	<.0000	6.094
#2	<.0000	<.0000	<.0000	.0069	.0150	<.0000	6.065
#3	<.0000	<.0000	.0296	.0052	.0150	<.0000	6.087
#4	<.0000	<.0000	<.0000	.0046	.0150	<.0000	6.083

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	<.0000	<.0000	<.0000	.0235	<.0000	1.304
SDev	.0006	.0021	.0011	.0004	.0008	.2639	.026
%RSD	37.91	86.83	35.66	10.67	3.330	6.567	1.974

#1	.0013	.0005	<.0000	<.0000	.0231	<.0000	1.305
#2	.0013	<.0000	<.0000	<.0000	.0231	<.0000	1.325
#3	.0013	<.0000	<.0000	<.0000	.0231	<.0000	1.318
#4	.0025	<.0000	<.0000	<.0000	.0246	<.0000	1.268

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	.0027	4.244	.0280	.0046	<.0000	.1079
SDev	.0006	.0030	.011	.0098	.0110	.0335	.0779
%RSD	2.802	111.8	.2627	34.80	237.9	82.09	72.21

#1	.0229	.0064	4.247	.0270	<.0000	<.0000	.1689
#2	.0221	.0027	4.245	.0147	.0069	<.0000	.0062
#3	.0221	.0027	4.256	.0338	.0115	<.0000	.0875
#4	.0214	<.0000	4.229	.0366	.0115	<.0000	.1689

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6408	.0682	<.0000	<.0000
SDev	.0274	.0447	.0007	.0009
%RSD	4.270	65.51	15.10	84.35

#1	.6527	.0953	<.0000	<.0000
#2	.6527	.0303	<.0000	<.0000
#3	.6580	.0303	<.0000	<.0000
#4	.6000	.1170	<.0000	<.0000

Analysis Report

01/09/02 03:25:41 PM

page 1

Method: IECW Sample Name: 30112

Operator: it

Run Time: 01/09/02 15:23:57

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avge	<.0000	<.0000	.0000	.0163	.0295	<.0000	25.42
SDev	.0011	.0081	.0291	.0005	.0003	.0001	.12
%RSD	27.63	74.99	120000.	3.313	1.165	46.19	.4690

#1	<.0000	<.0000	.0247	.0162	.0293	<.0000	25.31
#2	<.0000	<.0000	<.0000	.0167	.0300	<.0000	25.59
#3	<.0000	<.0000	.0204	.0168	.0293	<.0000	25.42
#4	<.0000	<.0000	<.0000	.0156	.0293	<.0000	25.36

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0029	<.0000	.0016	<.0000	.0583	<.0000	8.495
SDev	.0013	.0006	.0012	.0008	.0040	.3141	.036
%RSD	46.19	27.31	77.39	28.70	6.944	15.89	.4241

#1	.0033	<.0000	.0014	<.0000	.0548	<.0000	8.469
#2	.0015	<.0000	.0023	<.0000	.0641	<.0000	8.547
#3	.0045	<.0000	.0028	<.0000	.0564	<.0000	8.472
#4	.0021	<.0000	<.0000	<.0000	.0579	<.0000	8.493

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0457	.0041	27.74	.0317	.0081	<.0000	.1790
SDev	.0004	.0048	.11	.0044	.0174	.0278	.1262
%RSD	.8292	117.1	.3864	13.79	215.8	2118.	70.50

#1	.0459	.0060	27.60	.0362	.0253	.0272	.0841
#2	.0459	.0022	27.71	.0348	.0207	<.0000	.3010
#3	.0452	<.0000	27.84	.0280	<.0000	.0109	.2740
#4	.0459	.0097	27.79	.0280	<.0000	<.0000	.0570

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.482	.1867	<.0000	<.0000
SDev	.017	.1137	.0009	.0010
%RSD	1.179	60.92	69.06	390.3

#1	1.480	.1921	<.0000	<.0000
#2	1.506	.3437	<.0000	<.0000
#3	1.480	.1272	<.0000	.0009
#4	1.464	.0838	<.0000	.0001

Analysis Report

01/09/02 05:33:51 PM

page 1

Method: IECW Sample Name: 30115
 Run Time: 01/09/02 15:32:08
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0038	.0143	<.0000	6.083
SDev	.0010	.0081	.0442	.0007	.0000	.0000	.026
%RSD	19.74	45.57	236.8	19.43	.0178	.0000	.4228
#1	<.0000	<.0000	<.0000	.0035	.0143	<.0000	6.097
#2	<.0000	<.0000	<.0000	.0046	.0143	<.0000	6.086
#3	<.0000	<.0000	.0388	.0029	.0143	<.0000	6.046
#4	<.0000	<.0000	<.0000	.0041	.0143	<.0000	6.102
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	<.0000	<.0000	.0196	<.0000	1.278
SDev	.0018	.0009	.0014	.0010	.0015	.3625	.007
%RSD	214.0	25.47	45.08	43.93	7.546	9.299	.5733
#1	.0001	<.0000	<.0000	<.0000	.0200	<.0000	1.278
#2	<.0000	<.0000	<.0000	<.0000	.0215	<.0000	1.288
#3	.0031	<.0000	<.0000	<.0000	.0184	<.0000	1.274
#4	.0013	<.0000	<.0000	<.0000	.0184	<.0000	1.271
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0195	<.0000	4.215	.0277	<.0000	<.0000	.1350
SDev	.0004	.0019	.055	.0043	.0204	.0205	.0713
%RSD	2.255	2510.	1.297	15.34	443.8	124.6	52.84
#1	.0191	<.0000	4.222	.0339	.0023	.0120	.0604
#2	.0198	<.0000	4.287	.0257	<.0000	<.0000	.0875
#3	.0198	.0027	4.193	.0270	.0207	<.0000	.1961
#4	.0191	<.0000	4.158	.0243	<.0000	<.0000	.1961
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6488	.0466	<.0000	.0005			
SDev	.0354	.0325	.0013	.0017			
%RSD	5.456	69.74	39.79	341.0			
#1	.6528	.0304	<.0000	.0005			
#2	.6845	.0303	<.0000	.0013			
#3	.5999	.0954	<.0000	<.0000			
#4	.6581	.0304	<.0000	.0020			

Analysis Report

01/09/02 03:57:23 PM

page 1

Method: IECW Sample Name: 30115

Run Time: 01/09/02 15:35:39

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0160	.0120	.0163	.0300	<.0000	25.58
SDev	.0019	.0043	.0688	.0022	.0000	.0001	.07
%RSD	1189.	26.74	572.0	13.19	.0244	100.00	.2899

#1	.0026	.0211	.0063	.0185	.0300	.0000	25.65
#2	<.0000	.0125	<.0000	.0145	.0300	<.0000	25.48
#3	<.0000	.0179	.1098	.0179	.0300	<.0000	25.63
#4	<.0000	.0124	<.0000	.0145	.0300	<.0000	25.57

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0007	.0028	.0001	.0633	<.0000	8.515
SDev	.0010	.0017	.0011	.0010	.0020	.2476	.017
%RSD	105.1	256.2	41.39	748.9	3.159	22.34	.2040

#1	<.0000	.0024	.0042	<.0000	.0641	<.0000	8.540
#2	.0021	<.0000	.0028	.0015	.0657	<.0000	8.509
#3	.0009	.0016	.0028	<.0000	.0610	<.0000	8.513
#4	.0009	.0002	.0014	<.0000	.0626	<.0000	8.499

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0480	.0069	27.48	.0293	.0334	<.0000	.1993
SDev	.0007	.0019	.03	.0043	.0023	.0156	.0923
%RSD	1.515	27.07	.1216	14.74	6.900	60.35	46.33

#1	.0482	.0060	27.43	.0307	.0345	<.0000	.1653
#2	.0474	.0097	27.48	.0266	.0345	<.0000	.2738
#3	.0490	.0060	27.50	.0348	.0299	<.0000	.0840
#4	.0474	.0060	27.50	.0252	.0345	<.0000	.2739

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.555	.1758	.0006	.0003
SDev	.005	.0716	.0013	.0016
%RSD	.3248	40.73	196.3	499.3

#1	1.559	.0837	.0020	.0017
#2	1.548	.1920	<.0000	.0017
#3	1.553	.2570	.0013	<.0000
#4	1.559	.1704	<.0000	<.0000

Analysis Report

01/09/02 03:41:12 PM

page 1

Method: IECW Sample Name: 3011c

Operator: it

Run Time: 01/09/02 15:39:28

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1736	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0092	<.0000	.0058	.0150	<.0000	6.152
SDev	.0010	.0098	.0215	.0014	.0000	.0000	.024
%RSD	71.01	106.1	648.7	24.27	.0138	.0000	.3879

#1	<.0000	.0130	.0202	.0058	.0150	<.0000	6.142
#2	<.0000	.0141	<.0000	.0041	.0150	<.0000	6.148
#3	<.0000	<.0000	<.0000	.0075	.0150	<.0000	6.186
#4	<.0000	.0152	.0067	.0058	.0150	<.0000	6.131

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0025	.0016	.0003	<.0000	.0238	<.0000	1.325
SDev	.0008	.0014	.0016	.0010	.0009	.2325	.006
%RSD	34.14	90.54	612.1	66.55	3.752	7.767	.4672

#1	.0031	.0023	<.0000	<.0000	.0246	<.0000	1.332
#2	.0013	.0032	.0024	<.0000	.0231	<.0000	1.318
#3	.0025	<.0000	<.0000	<.0000	.0231	<.0000	1.329
#4	.0031	.0009	.0005	<.0000	.0246	<.0000	1.322

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	<.0000	4.186	.0311	<.0000	<.0000	.1552
SDev	.0004	.0019	.027	.0064	.0174	.0156	.0926
%RSD	1.887	1991.	.6464	20.61	1502.	185.8	59.65

#1	.0229	.0027	4.166	.0379	<.0000	.0119	.2773
#2	.0229	<.0000	4.160	.0297	.0115	<.0000	.1146
#3	.0236	<.0000	4.204	.0229	<.0000	<.0000	.0604
#4	.0236	<.0000	4.214	.0338	.0115	<.0000	.1688

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7399	.1223	<.0000	.0011
SDev	.0234	.0647	.0006	.0007
%RSD	3.166	52.88	137.8	69.47

#1	.7583	.2036	<.0000	.0005
#2	.7055	.1386	.0003	.0012
#3	.7478	.0953	<.0000	.0005
#4	.7478	.0519	<.0000	.0020

Analysis Report

01/09/02 03:44:25 PM

page 1

Method: IECW Sample Name: 30117

Operator: 11

Run Time: 01/09/02 15:42:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	.0141	.0112	.0062	.0143	<.0000	6.188
SDev	.0019	.0061	.0562	.0024	.0000	.0001	.006
%RSD	842.5	42.98	500.3	37.92	.0090	230.9	.1033

#1	.0004	.0163	<.0000	.0069	.0143	.0000	6.191
#2	<.0000	.0087	<.0000	.0092	.0143	<.0000	6.184
#3	<.0000	.0098	.0248	.0041	.0143	<.0000	6.182
#4	.0019	.0217	.0831	.0046	.0143	.0000	6.196

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	.0010	<.0000	.0000	.0227	<.0000	1.327
SDev	.0008	.0013	.0019	.0010	.0015	.3135	.015
%RSD	66.58	132.7	566.0	2204.	6.531	11.28	1.133

#1	.0001	.0023	<.0000	.0004	.0246	<.0000	1.335
#2	.0013	<.0000	<.0000	<.0000	.0231	<.0000	1.322
#3	.0019	.0002	<.0000	<.0000	.0215	<.0000	1.308
#4	.0013	.0017	.0024	.0012	.0215	<.0000	1.342

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0248	.0055	4.162	.0376	.0299	<.0000	.0671
SDev	.0008	.0056	.019	.0073	.0252	.0486	.0601
%RSD	3.0e7	101.7	.4578	19.54	84.28	293.9	89.64

#1	.0252	.0027	4.189	.0366	.0576	<.0000	<.0000
#2	.0236	.0102	4.154	.0297	.0392	<.0000	.1146
#3	.0252	<.0000	4.160	.0366	<.0000	<.0000	.0875
#4	.0252	.0101	4.144	.0475	.0253	.0445	.0874

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7544	.0411	.0010	.0016
SDev	.0245	.0573	.0011	.0013
%RSD	3.250	139.6	115.9	81.39

#1	.7636	.0086	.0024	.0020
#2	.7372	.0519	.0010	.0020
#3	.7520	.1169	<.0000	<.0000
#4	.7847	<.0000	.0010	.0028

Analysis Report

01/09/02 03:56:21 PM

page 1

Method: IECW Sample Name: 30251

Operator: it

Run Time: 01/09/02 15:54:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	.0052	<.0000	.0058	.0143	<.0000	6.154
SDev	.0011	.0051	.0152	.0014	.0000	.0001	.015
%RSD	44.82	98.81	46.93	24.25	.0140	46.19	.2496

#1	<.0000	<.0000	<.0000	.0075	.0143	<.0000	6.147
#2	<.0000	.0054	<.0000	.0041	.0143	<.0000	6.135
#3	<.0000	.0087	<.0000	.0058	.0143	<.0000	6.165
#4	<.0000	.0087	<.0000	.0058	.0143	<.0000	6.168

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	<.0000	<.0000	.0258	<.0000	1.314
SDev	.0013	.0010	.0008	.0008	.0015	.2346	.019
%RSD	159.2	69.92	53.22	56.62	5.747	7.321	1.419

#1	<.0000	<.0000	<.0000	<.0000	.0277	<.0000	1.305
#2	.0001	<.0000	<.0000	<.0000	.0246	<.0000	1.305
#3	.0013	<.0000	<.0000	<.0000	.0246	<.0000	1.305
#4	.0025	<.0000	<.0000	<.0000	.0261	<.0000	1.342

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	7.593	.0345	.0127	<.0000	.1214
SDev	.0008	.0127	.029	.0071	.0102	.0278	.0678
%RSD	3.167	649.3	.3853	20.56	80.67	12090.	55.86

#1	.0236	.0139	7.574	.0339	.0207	<.0000	.0875
#2	.0252	.0027	7.624	.0297	.0161	.0282	.2231
#3	.0236	<.0000	7.611	.0297	.0161	.0120	.0875
#4	.0236	<.0000	7.563	.0448	<.0000	<.0000	.0874

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9354	.0574	<.0000	.0009
SDev	.0152	.0596	.0004	.0013
%RSD	1.630	104.0	27.62	153.5

#1	.9169	<.0000	<.0000	.0020
#2	.9539	.0303	<.0000	<.0000
#3	.9327	.0953	<.0000	<.0000
#4	.9380	.1169	<.0000	.0020

Analysis Report

01/09/02 03:58:32 PM

page 1

Method: IECW Sample Name: 30252
 Run Time: 01/09/02 15:56:49
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0016	<.0000	.0065	.0150	<.0000	6.140
SDev	.0006	.0063	.0521	.0015	.0000	.0001	.017
%RSD	19.52	382.7	522.2	23.26	.0112	46.19	.2769

#1	<.0000	<.0000	<.0000	.0086	.0150	<.0000	6.143
#2	<.0000	.0109	.0068	.0052	.0150	<.0000	6.125
#3	<.0000	.0000	.0564	.0063	.0150	<.0000	6.163
#4	<.0000	<.0000	<.0000	.0057	.0150	<.0000	6.130

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	<.0000	<.0000	<.0000	.0424	<.0000	1.310
SDev	.0015	.0012	.0015	.0008	.0009	.2237	.011
%RSD	114.4	85.84	164.2	56.62	2.104	6.425	.8049

#1	<.0000	.0002	<.0000	<.0000	.0432	<.0000	1.312
#2	.0013	<.0000	.0005	<.0000	.0432	<.0000	1.318
#3	.0031	<.0000	<.0000	<.0000	.0416	<.0000	1.315
#4	.0013	<.0000	.0000	<.0000	.0416	<.0000	1.295

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0411	<.0000	7.618	.0356	.0034	<.0000	.1214
SDev	.0000	.0053	.026	.0057	.0109	.0081	.1354
%RSD	.0017	515.5	.3386	16.11	315.5	24.77	111.6

#1	.0411	.0027	7.586	.0379	.0115	<.0000	.3044
#2	.0411	.0027	7.626	.0393	.0115	<.0000	<.0000
#3	.0411	<.0000	7.613	.0379	<.0000	<.0000	.1146
#4	.0411	<.0000	7.647	.0270	.0023	<.0000	.0875

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9195	.1278	<.0000	<.0000
SDev	.0126	.0650	.0006	.0006
%RSD	1.367	50.86	51.09	219.0

#1	.9169	.0953	<.0000	.0005
#2	.9380	.2252	<.0000	<.0000
#3	.9116	.0953	<.0000	<.0000
#4	.9116	.0953	<.0000	<.0000

Analysis Report

01/09/02 04:00:37 PM

page 1

Method: IECW Sample Name: 30253

Operator: it

Run Time: 01/09/02 15:58:54

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0035	<.0000	.0043	.0145	<.0000	6.187
SDev	.0006	.0079	.0250	.0012	.0003	.0000	.033
%RSD	25.41	223.6	2572.	27.41	2.441	.0000	.5341

#1	<.0000	.0098	.0068	.0029	.0143	<.0000	6.214
#2	<.0000	.0033	.0294	.0058	.0150	<.0000	6.215
#3	<.0000	.0087	<.0000	.0046	.0143	<.0000	6.174
#4	<.0000	<.0000	<.0000	.0041	.0143	<.0000	6.147

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0000	<.0000	.0026	.0238	<.0000	1.290
SDev	.0010	.0009	.0002	.0012	.0015	.2460	.011
%RSD	65.50	3991.	18.72	45.31	6.484	7.419	.8680

#1	.0001	<.0000	<.0000	.0020	.0262	<.0000	1.291
#2	.0019	.0012	<.0000	.0036	.0231	<.0000	1.298
#3	.0025	.0003	<.0000	.0036	.0231	<.0000	1.298
#4	.0019	<.0000	<.0000	.0012	.0231	<.0000	1.274

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	.0018	7.838	.0342	.0173	<.0000	.1010
SDev	.0006	.0019	.022	.0071	.0115	.0308	.0519
%RSD	2.710	105.0	.2758	20.74	66.69	186.7	51.37

#1	.0229	.0027	7.824	.0243	.0207	<.0000	.1146
#2	.0229	<.0000	7.871	.0393	.0299	<.0000	.0604
#3	.0236	.0027	7.828	.0393	.0023	.0282	.1688
#4	.0221	.0027	7.830	.0339	.0161	<.0000	.0604

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9288	.0736	<.0000	.0014
SDev	.0109	.0531	.0004	.0011
%RSD	1.171	72.08	27.63	79.85

#1	.9275	.1170	<.0000	.0020
#2	.9433	.0086	<.0000	<.0000
#3	.9275	.0520	<.0000	.0020
#4	.9169	.1170	<.0000	.0020

Analysis Report

01/09/02 04:03:22 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/09/02 16:01:38

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5033	1.037	<.0000	.9803	1.015	1.007	1.033
SDev	.0026	.006	.0288	.0072	.002	.003	.002
%RSD	.5092	.6115	109.9	.7324	.2057	.2656	.2402

#1	.5007	1.029	<.0000	.9742	1.013	1.005	1.038
#2	.5022	1.034	<.0000	.9742	1.015	1.005	1.032
#3	.5037	1.044	<.0000	.9850	1.018	1.010	1.035
#4	.5067	1.040	<.0000	.9879	1.016	1.009	1.037

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.023	1.023	.9706	.9746	1.012	<.0000	1.014
SDev	.003	.002	.0038	.0028	.002	.3832	.018
%RSD	.3052	.2335	.3933	.2892	.1926	15.14	1.818

#1	1.025	1.023	.9735	.9722	1.014	<.0000	.9899
#2	1.024	1.020	.9650	.9722	1.009	<.0000	1.014
#3	1.018	1.024	.9712	.9777	1.012	<.0000	1.020
#4	1.024	1.025	.9726	.9761	1.012	<.0000	1.034

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.026	.9868	1.039	1.042	1.030	.9522	.1439
SDev	.003	.0127	.018	.008	.016	.0351	.0513
%RSD	.3085	1.285	1.766	.7527	1.522	3.690	35.68

#1	1.022	.9709	1.062	1.043	1.025	.9359	.1100
#2	1.025	.9821	1.017	1.031	1.043	.9322	.2185
#3	1.030	.9970	1.035	1.046	1.011	1.001	.1100
#4	1.027	.9970	1.042	1.048	1.043	.9196	.1371

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.101	1.036	1.018	1.019
SDev	.019	.052	.002	.003
%RSD	1.724	4.978	.2182	.3253

#1	1.115	.9816	1.016	1.019
#2	1.076	1.090	1.016	1.024
#3	1.097	1.003	1.020	1.016
#4	1.118	1.068	1.020	1.017

Analysis Report

01/09/02 04:09:45 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/09/02 16:08:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	.0008	.0049	.0000	.0013	.0004	.0000	<.0000
SDev	.0012	.0050	.0162	.0006	.0004	.0000	.0012
%RSD	158.7	103.2	89.54	44.37	115.3	.0000	40.65

#1	.0010	.0051	<.0000	.0016	.0007	.0000	<.0000
#2	.0015	<.0000	<.0000	.0016	.0000	.0000	<.0000
#3	<.0000	.0030	<.0000	.0016	.0000	.0000	<.0000
#4	.0015	.0116	<.0000	.0004	.0007	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0026	.0013	<.0000	<.0000	.0004	<.0000	<.0000
SDev	.0026	.0013	.0014	.0004	.0023	.0554	.0064
%RSD	101.6	102.2	581.0	100.0	597.4	2.143	108.2

#1	.0062	<.0000	<.0000	<.0000	<.0000	<.0000	.0034
#2	.0026	.0030	.0013	<.0000	.0039	<.0000	<.0000
#3	.0002	.0012	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0014	.0011	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0047	.0539	.0325	.0161	<.0000	.1220
SDev	.0006	.0048	.0143	.0032	.0188	.0244	.0407
%RSD	326.1	103.4	26.57	9.950	116.6	184400.	33.38

#1	.0002	.0065	.0674	.0301	<.0000	.0122	.1695
#2	.0010	.0028	.0616	.0301	.0161	.0285	.0881
#3	<.0000	.0102	.0520	.0369	.0161	<.0000	.0881
#4	.0002	<.0000	.0346	.0328	.0392	<.0000	.1423

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0596	.0005	.0013
SDev	.0394	.0447	.0016	.0009
%RSD	56.29	74.97	314.9	66.00

#1	<.0000	.0108	.0017	.0021
#2	<.0000	.0975	.0003	.0006
#3	<.0000	.0325	<.0000	.0021
#4	<.0000	.0975	.0017	.0006

Analysis Report

01/09/02 04:11:56 PM

page 1

Method: 1ECW Sample Name: 30254

Operator: it

Run Time: 01/09/02 16:10:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0011	.0064	.0156	<.0000	7.511
SDev	.0012	.0118	.0158	.0026	.0000	.0001	.030
%RSD	35.31	201.2	1496.	41.03	.0204	50.00	.4030

#1	<.0000	<.0000	.0203	.0102	.0156	<.0000	7.515
#2	<.0000	.0063	<.0000	.0051	.0156	<.0000	7.549
#3	<.0000	<.0000	<.0000	.0045	.0156	<.0000	7.476
#4	<.0000	.0020	.0066	.0057	.0156	<.0000	7.505

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0032	<.0000	<.0000	.0038	.0309	<.0000	1.796
SDev	.0015	.0022	.0023	.0010	.0008	.2032	.008
%RSD	46.71	117.0	96.11	26.41	2.508	5.670	.4720

#1	.0037	<.0000	<.0000	.0028	.0321	<.0000	1.786
#2	.0013	.0005	<.0000	.0036	.0305	<.0000	1.807
#3	.0031	<.0000	<.0000	.0036	.0305	<.0000	1.793
#4	.0049	<.0000	<.0000	.0052	.0305	<.0000	1.796

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0253	.0027	8.722	.0276	.0127	<.0000	.1076
SDev	.0007	.0031	.059	.0047	.0272	.0431	.0135
%RSD	2.874	113.8	.6710	16.93	214.9	345.2	12.58

#1	.0259	.0064	8.736	.0228	.0299	.0120	.0873
#2	.0259	<.0000	8.734	.0337	.0392	<.0000	.1143
#3	.0244	.0027	8.640	.0283	<.0000	.0282	.1144
#4	.0251	.0027	8.778	.0255	.0023	<.0000	.1144

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9583	.0783	<.0000	.0010
SDev	.0269	.0480	.0013	.0011
%RSD	2.811	61.38	65.83	111.3

#1	.9319	.1162	<.0000	.0020
#2	.9582	.0945	<.0000	.0020
#3	.9477	.0079	<.0000	<.0000
#4	.9952	.0945	<.0000	.0005

Analysis Report

01/09/02 04:15:33 PM

page 1

Method: IECW Sample Name: 30254iab dup

Operator: it

Run Time: 01/09/02 16:13:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0065	.0156 ¹⁵⁷	<.0000	7.498 ⁷⁵¹¹
SDev	.0010	.0056	.0758	.0017	.0000	.0001	.045
%RSD	31.78	272.9	127.0	26.26	.0293	50.00	.6047
#1	<.0000	<.0000	<.0000	.0057	.0156	<.0000	7.514
#2	<.0000	.0031	<.0000	.0045	.0156	<.0000	7.431
#3	<.0000	.0020	<.0000	.0079	.0156	<.0000	7.513
#4	<.0000	<.0000	.0246	.0079	.0156	<.0000	7.533
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016 ³²	<.0000	<.0000	.0042 ³⁸	.0309 ³⁰⁹	<.0000	1.790 ¹⁷⁹⁶
SDev	.0016	.0024	.0018	.0004	.0019	.1964	.018
%RSD	101.7	195.0	103.4	9.469	6.291	5.685	1.003
#1	.0025	<.0000	<.0000	.0044	.0336	<.0000	1.780
#2	.0031	<.0000	<.0000	.0036	.0290	<.0000	1.773
#3	.0013	.0009	<.0000	.0044	.0305	<.0000	1.813
#4	<.0000	<.0000	<.0000	.0044	.0305	<.0000	1.793
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0253 ²⁵⁷	.0017	8.742 ⁸⁷²²	.0378 ²⁷⁶	.0035	<.0000	.1483
SDev	.0004	.0019	.076	.0043	.0221	.0081	.0260
%RSD	1.498	106.9	.8703	11.43	638.8	24.76	17.52
#1	.0251	.0027	8.801	.0365	<.0000	<.0000	.1415
#2	.0251	.0027	8.630	.0419	.0207	<.0000	.1686
#3	.0259	<.0000	8.767	.0406	<.0000	<.0000	.1144
#4	.0251	.0027	8.769	.0324	.0207	<.0000	.1686
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9939	.0837	<.0000	.0016 ¹⁰			
SDev	.0416	.0545	.0007	.0008			
%RSD	4.191	65.14	47.11	47.65			
#1	.9477	.0079	<.0000	.0020			
#2	.9741	.0945	<.0000	.0005			
#3	1.043	.1378	<.0000	.0020			
#4	1.011	.0945	<.0000	.0020			

Analysis Report

01/09/02 04:25:05 PM

page 1

Method: IECW Sample Name: 30234spk

Operator: it

Run Time: 01/09/02 16:23:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0179 <i>72%</i>	.2609	.2031	.2523	.2636	.0486	7.359
SDev	.0016	.0111	.0549	.0026	.0018	.0004	.041
%RSD	8.842	4.248	27.04	1.020	.6758	.7437	.5531

#1	.0184	.2706	.1738	.2520	.2633	.0485	7.358
#2	.0199	.2674	.2773	.2554	.2633	.0488	7.366
#3	.0169	.2457	.1516	.2492	.2618	.0482	7.306
#4	.0164	.2598	.2099	.2526	.2661	.0490	7.405

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1045	.1026	.2406	.2475	.2785 <i>30%</i>	<.0000 <i>99%</i>	1.766
SDev	.0033	.0027	.0012	.0013	.0026	.2112	.025
%RSD	3.137	2.635	.4806	.5220	.9485	7.212	1.428

#1	.1030	.1058	.2392	.2475	.2781	<.0000	1.769
#2	.1072	.1005	.2401	.2475	.2750	<.0000	1.769
#3	.1006	.1003	.2416	.2459	.2797	<.0000	1.732
#4	.1072	.1040	.2415	.2491	.2812	<.0000	1.793

Elem	Mn2526	Mo2020	Na3889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2784 <i>25%</i>	.0938	8.483	.2890 <i>21%</i>	.2763	.2022	.2895
SDev	.0021	.0048	.056	.0036	.0265	.0361	.0470
%RSD	.7394	5.126	.6623	1.244	9.579	17.85	16.23

#1	.2776	.0957	8.476	.2921	.2924	.2225	.2216
#2	.2768	.0994	8.420	.2839	.2372	.1900	.3301
#3	.2776	.0919	8.478	.2894	.2832	.2389	.3031
#4	.2814	.0882	8.557	.2907	.2924	.1575	.3030

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.164	.3755	.0988	.2514
SDev	.044	.1031	.0017	.0017
%RSD	3.740	27.46	1.721	.6762

#1	1.159	.4405	.0988	.2497
#2	1.222	.4839	.1009	.2520
#3	1.117	.2673	.0967	.2505
#4	1.159	.3105	.0988	.2535

Analysis Report

01/09/02 04:27:17 PM

page 1

Method: IECW Sample Name: 30255

Operator: it

Run Time: 01/09/02 16:25:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0008	<.0000	.0043	.0144	<.0000	6.373
SDev	.0006	.0040	.0548	.0010	.0003	.0000	.024
%RSD	27.43	492.3	181.5	22.88	2.451	.0000	.3769

#1	<.0000	<.0000	.0250	.0057	.0143	<.0000	6.397
#2	<.0000	.0011	<.0000	.0035	.0143	<.0000	6.344
#3	<.0000	.0054	<.0000	.0040	.0150	<.0000	6.389
#4	<.0000	.0011	<.0000	.0040	.0143	<.0000	6.364

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0035	<.0000	<.0000	.0058	.0308	<.0000	1.313
SDev	.0023	.0011	.0021	.0008	.0025	.0554	.006
%RSD	64.07	97.09	233.8	13.11	8.216	1.657	.4946

#1	.0067	.0002	<.0000	.0068	.0308	<.0000	1.318
#2	.0019	<.0000	<.0000	.0060	.0339	<.0000	1.312
#3	.0037	<.0000	.0005	.0052	.0308	<.0000	1.305
#4	.0019	<.0000	.0010	.0052	.0277	<.0000	1.318

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0250	.0018	8.022	.0325	.0069	<.0000	.1756
SDev	.0004	.0019	.041	.0083	.0084	.0000	.0341
%RSD	1.523	105.0	.5128	25.49	121.8	.0288	19.43

#1	.0244	.0027	7.978	.0379	.0023	<.0000	.1688
#2	.0252	<.0000	7.998	.0229	.0161	<.0000	.2231
#3	.0252	.0027	8.067	.0407	<.0000	<.0000	.1688
#4	.0252	.0027	8.046	.0284	.0115	<.0000	.1417

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9208	.0898	<.0000	.0012
SDev	.0079	.0447	.0010	.0011
%RSD	.8609	49.71	64.00	87.01

#1	.9274	.0303	<.0000	<.0000
#2	.9116	.0953	<.0000	.0020
#3	.9275	.0953	<.0000	.0020
#4	.9169	.1386	<.0000	.0012

Analysis Report

01/09/02 04:29:42 PM

page 1

Method: IECW Sample Name: 30250

Operator: it

Run Time: 01/09/02 16:27:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0051	.0143	<.0000	6.170
SDev	.0005	.0019	.0452	.0009	.0006	.0000	.024
%RSD	21.52	62.64	150.0	16.97	4.046	.0000	.3960

#1	<.0000	<.0000	<.0000	.0058	.0136	<.0000	6.175
#2	<.0000	<.0000	.0340	.0041	.0150	<.0000	6.203
#3	<.0000	<.0000	<.0000	.0058	.0143	<.0000	6.148
#4	<.0000	<.0000	<.0000	.0046	.0143	<.0000	6.150

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	<.0000	<.0000	.0042	.0246	<.0000	1.299
SDev	.0008	.0020	.0017	.0008	.0013	.3587	.012
%RSD	45.02	308.4	86.36	18.04	5.135	10.79	.9139

#1	.0031	<.0000	<.0000	.0052	.0246	<.0000	1.281
#2	.0013	.0003	<.0000	.0036	.0246	<.0000	1.305
#3	.0019	<.0000	<.0000	.0036	.0262	<.0000	1.305
#4	.0013	.0016	<.0000	.0044	.0231	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0198	.0008	7.336	.0315	.0242	<.0000	.1011
SDev	.0009	.0022	.030	.0085	.0166	.0312	.0470
%RSD	4.427	254.3	.4137	27.11	68.40	251.2	46.48

#1	.0206	.0027	7.295	.0298	.0207	.0283	.1418
#2	.0191	.0027	7.368	.0366	.0115	<.0000	.0604
#3	.0206	<.0000	7.343	.0393	.0484	<.0000	.0604
#4	.0191	<.0000	7.336	.0202	.0161	<.0000	.1417

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9261	.1224	<.0000	.0014
SDev	.0240	.0273	.0007	.0011
%RSD	2.648	22.27	47.81	79.80

#1	.8958	.1170	<.0000	.0020
#2	.9433	.1170	<.0000	.0028
#3	.9486	.1603	<.0000	.0005
#4	.9169	.0953	<.0000	.0005

Analysis Report

01/09/02 04:52:08 PM

page 1

Method: IECW Sample Name: 30257

Operator: it

Run Time: 01/09/02 16:30:24

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0014	.0218	.0230	.0289	<.0000	24.62
SDev	.0007	.0026	.0536	.0008	.0003	.0001	.15
%RSD	79.10	177.9	246.3	3.509	1.191	100.00	.5919

#1	<.0000	.0017	.0161	.0235	.0294	<.0000	24.78
#2	<.0000	<.0000	<.0000	.0218	.0287	<.0000	24.65
#3	.0001	<.0000	.0522	.0230	.0287	.0000	24.62
#4	<.0000	.0050	.0701	.0236	.0287	<.0000	24.43

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0031	.0001	.0013	.0429	.2789	<.0000	7.258
SDev	.0020	.0024	.0011	.0004	.0046	.1666	.042
%RSD	64.39	1730.	81.01	.9159	1.661	8.885	.5846

#1	.0028	.0004	.0028	.0435	.2812	<.0000	7.316
#2	.0058	.0025	.0015	.0427	.2750	<.0000	7.261
#3	.0010	.0008	.0005	.0427	.2843	<.0000	7.238
#4	.0028	<.0000	.0005	.0427	.2750	<.0000	7.217

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0302	.0042	37.27	.0351	.0311	<.0000	.1453
SDev	.0004	.0048	.20	.0039	.0138	.0297	.0678
%RSD	1.249	115.8	.5285	11.02	44.28	558.4	46.66

#1	.0308	.0060	37.54	.0323	.0253	.0272	.0572
#2	.0300	.0097	37.22	.0406	.0345	.0110	.1386
#3	.0300	<.0000	37.22	.0324	.0161	<.0000	.1657
#4	.0300	.0023	37.08	.0351	.0483	<.0000	.2199

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	7.580	.2045	.0014	.1723
SDev	.052	.1527	.0000	.0013
%RSD	.6830	74.66	.1727	.7719

#1	7.631	.2802	.0014	.1712
#2	7.563	.3020	.0014	.1712
#3	7.610	<.0000	.0014	.1735
#4	7.515	.2587	.0014	.1735

Analysis Report

01/09/02 04:34:24 PM

page 1

Method: IECW Sample Name: 30312

Run Time: 01/09/02 16:32:40

Comment:

Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0100	<.0000	.0050	.0143	<.0000	6.169
SDev	.0013	.0080	.0461	.0009	.0000	.0001	.015
%RSD	148.3	79.94	2098.	16.99	.0117	100.00	.2426

#1	<.0000	.0044	<.0000	.0040	.0143	<.0000	6.165
#2	<.0000	.0033	.0563	.0058	.0143	<.0000	6.189
#3	.0009	.0206	<.0000	.0046	.0143	.0000	6.170
#4	<.0000	.0119	.0113	.0058	.0143	<.0000	6.153

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0029	<.0000	<.0000	<.0000	.0262	<.0000	1.314
SDev	.0014	.0021	.0007	.0006	.0013	.2915	.009
%RSD	48.29	201.3	47.94	185.3	4.829	9.337	.7106

#1	.0019	<.0000	<.0000	<.0000	.0277	<.0000	1.308
#2	.0049	<.0000	<.0000	<.0000	.0261	<.0000	1.325
#3	.0019	.0003	<.0000	.0004	.0261	<.0000	1.318
#4	.0031	.0009	<.0000	<.0000	.0246	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0236	.0036	4.197	.0338	.0161	.0038	.2230
SDev	.0006	.0036	.027	.0043	.0192	.0210	.1085
%RSD	2.625	98.20	.6457	12.77	119.0	549.8	48.63

#1	.0229	<.0000	4.208	.0325	<.0000	<.0000	.0603
#2	.0236	.0064	4.220	.0379	.0207	.0282	.2773
#3	.0244	.0027	4.158	.0366	.0115	<.0000	.2772
#4	.0236	.0064	4.204	.0284	.0392	.0120	.2773

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7174	.0790	<.0000	.0001
SDev	.0287	.0481	.0003	.0004
%RSD	4.004	60.82	59.39	452.0

#1	.6950	.0953	<.0000	<.0000
#2	.7161	.0519	<.0000	<.0000
#3	.7584	.0303	<.0000	.0005
#4	.7003	.1386	<.0000	.0005

Analysis Report

01/09/02 04:36:30 PM

page 1

Method: IECW Sample Name: 30313

Operator: it

Run Time: 01/09/02 16:34:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0021	.0212	.0172	.0298	<.0000	25.62
SDev	.0014	.0137	.0350	.0024	.0003	.0001	.09
%RSD	902.7	640.3	165.1	13.69	1.165	230.9	.3577

#1	.0016	.0189	.0333	.0156	.0300	.0000	25.61
#2	<.0000	.0059	.0515	.0202	.0300	<.0000	25.70
#3	.0001	<.0000	.0291	.0150	.0300	.0000	25.69
#4	<.0000	<.0000	<.0000	.0179	.0293	<.0000	25.50

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0035	<.0000	.0035	<.0000	.0598	<.0000	8.547
SDev	.0016	.0016	.0021	.0014	.0015	.3748	.017
%RSD	45.34	133.4	60.50	512.8	2.474	23.59	.1971

#1	.0027	.0002	.0061	.0015	.0610	<.0000	8.533
#2	.0057	<.0000	.0042	<.0000	.0579	<.0000	8.537
#3	.0021	<.0000	.0023	<.0000	.0610	<.0000	8.570
#4	.0033	<.0000	.0013	<.0000	.0595	<.0000	8.547

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0493	.0013	27.73	.0385	.0207	<.0000	.1315
SDev	.0004	.0036	.14	.0063	.0180	.0204	.0559
%RSD	.8883	273.2	.5190	16.22	87.03	116.0	42.52

#1	.0497	.0022	27.73	.0307	.0391	.0108	.0840
#2	.0490	<.0000	27.53	.0402	.0161	<.0000	.1925
#3	.0497	.0060	27.78	.0375	.0299	<.0000	.1654
#4	.0490	<.0000	27.87	.0457	<.0000	<.0000	.0841

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.526	.2083	.0005	.0003
SDev	.019	.0370	.0010	.0010
%RSD	1.275	17.77	221.1	304.3

#1	1.527	.1920	.0013	.0001
#2	1.527	.2570	.0013	.0017
#3	1.548	.2136	<.0000	.0001
#4	1.501	.1704	<.0000	<.0000

Analysis Report

01/09/02 04:38:37 PM

page 1

Method: IECW Sample Name: 30314

Operator: it

Run Time: 01/09/02 16:36:53

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0059	.0138	<.0000	6.163
SDev	.0010	.0062	.0545	.0010	.0003	.0001	.041
%RSD	.4	1206	174.1	16.60	2.550	50.00	.6571

#1	<.0000	<.0000	<.0000	.0063	.0136	<.0000	6.123
#2	<.0000	.0087	.0203	.0046	.0143	<.0000	6.219
#3	<.0000	<.0000	.0025	.0069	.0136	<.0000	6.149
#4	<.0000	<.0000	<.0000	.0058	.0136	<.0000	6.161

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0034	<.0000	<.0000	<.0000	.0238	<.0000	1.298
SDev	.0003	.0008	.0017	.0010	.0032	.2902	.018
%RSD	10.23	54.65	98.19	66.48	13.49	8.288	1.349

#1	.0031	<.0000	<.0000	<.0000	.0200	<.0000	1.305
#2	.0037	<.0000	<.0000	<.0000	.0277	<.0000	1.318
#3	.0031	<.0000	<.0000	<.0000	.0231	<.0000	1.291
#4	.0037	<.0000	.0005	<.0000	.0246	<.0000	1.278

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0219	<.0000	4.222	.0311	.0115	<.0000	.1824
SDev	.0004	.0000	.019	.0046	.0155	.0278	.1050
%RSD	1.732	.4692	.4390	14.78	134.7	84.90	57.58

#1	.0214	<.0000	4.216	.0256	.0207	<.0000	.0875
#2	.0221	<.0000	4.246	.0366	.0207	<.0000	.1417
#3	.0221	<.0000	4.202	.0325	.0161	<.0000	.3316
#4	.0221	<.0000	4.223	.0298	<.0000	<.0000	.1689

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7082	.1007	<.0000	.0001
SDev	.0158	.0480	.0007	.0008
%RSD	2.235	47.68	52.00	771.7

#1	.6950	.1386	<.0000	<.0000
#2	.7267	.1169	<.0000	.0005
#3	.7162	.1170	<.0000	.0005
#4	.6950	.0303	<.0000	.0005

Analysis Report

01/09/02 04:40:50 PM

page 1

Method: IECW Sample Name: 30350

Operator: it

Run Time: 01/09/02 16:39:06

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	.0111	<.0000	.0065	.0143	<.0000	6.179
SDev	.0006	.0066	.0077	.0017	.0000	.0000	.014
%RSD	42.67	59.15	138.7	26.30	.0095	.0000	.2215

#1	<.0000	.0184	<.0000	.0046	.0143	<.0000	6.177
#2	<.0000	.0141	<.0000	.0086	.0143	<.0000	6.179
#3	<.0000	.0087	.0023	.0069	.0143	<.0000	6.197
#4	<.0000	.0033	<.0000	.0058	.0143	<.0000	6.164

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0044	.0001	.0003	<.0000	.0242	<.0000	1.307
SDev	.0013	.0006	.0021	.0004	.0008	.2469	.010
%RSD	29.99	966.3	773.3	41.99	3.197	7.660	.7747

#1	.0037	.0003	.0015	<.0000	.0246	<.0000	1.298
#2	.0049	<.0000	<.0000	<.0000	.0246	<.0000	1.322
#3	.0031	.0009	.0024	<.0000	.0231	<.0000	1.305
#4	.0061	<.0000	<.0000	<.0000	.0246	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0219	.0008	7.620	.0332	.0219	.0120	.1485
SDev	.0007	.0022	.037	.0052	.0224	.0420	.0601
%RSD	3.317	256.8	.4840	15.61	102.3	351.4	40.50

#1	.0221	.0027	7.659	.0407	.0345	<.0000	.1688
#2	.0229	<.0000	7.630	.0297	<.0000	.0282	.1688
#3	.0214	<.0000	7.622	.0297	.0345	<.0000	.0603
#4	.0214	.0027	7.570	.0325	.0299	.0608	.1960

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9644	.0736	.0003	.0007
SDev	.0137	.1076	.0010	.0011
%RSD	1.416	146.2	346.4	170.8

#1	.9803	<.0000	.0003	.0020
#2	.9486	.2036	<.0000	.0012
#3	.9592	.0953	<.0000	<.0000
#4	.9697	.0520	.0017	<.0000

Method: IECW Sample Name: 30351

Operator: it

Run Time: 01/09/02 16:41:11

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0063	<.0000	.0049	.0139	<.0000	6.140
SDev	.0006	.0069	.0345	.0012	.0004	.0001	.019
%RSD	28.29	109.8	96.26	24.23	2.939	46.19	.3052

#1	<.0000	<.0000	<.0000	.0035	.0143	<.0000	6.117
#2	<.0000	.0141	.0022	.0046	.0143	<.0000	6.163
#3	<.0000	.0087	<.0000	.0052	.0136	<.0000	6.141
#4	<.0000	.0044	<.0000	.0063	.0136	<.0000	6.139

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0025	.0002	<.0000	<.0000	.0234	<.0000	1.302
SDev	.0011	.0024	.0014	.0010	.0008	.3047	.013
%RSD	44.06	1512.	107.4	57.44	3.310	9.137	.9829

#1	.0019	.0005	<.0000	<.0000	.0246	<.0000	1.298
#2	.0037	<.0000	.0005	<.0000	.0231	<.0000	1.318
#3	.0013	.0033	<.0000	<.0000	.0231	<.0000	1.305
#4	.0031	<.0000	<.0000	<.0000	.0231	<.0000	1.288

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0200	<.0000	7.301	.0294	.0058	.0079	.1688
SDev	.0004	.0036	.015	.0034	.0182	.0448	.0886
%RSD	1.901	3949.	.2079	11.63	316.0	566.7	52.45

#1	.0198	<.0000	7.286	.0339	<.0000	<.0000	.1689
#2	.0198	.0027	7.314	.0256	.0207	.0282	.2773
#3	.0198	<.0000	7.291	.0284	.0115	<.0000	.1688
#4	.0206	.0027	7.314	.0298	.0115	.0608	.0604

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9037	.1007	<.0000	.0001
SDev	.0274	.0447	.0012	.0004
%RSD	3.035	44.35	82.80	446.5

#1	.8905	.1603	<.0000	<.0000
#2	.9380	.0953	.0003	.0005
#3	.9116	.0953	<.0000	.0005
#4	.8747	.0520	<.0000	<.0000

Analysis Report

01/09/02 04:47:30 PM

page 1

Method: IECW Sample Name: 30352
 Run Time: 01/09/02 16:45:47
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: 11

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca5179
Avge	<.0000	.0049	<.0000	.0058	.0141	<.0000	6.199
SDev	.0015	.0070	.0337	.0015	.0003	.0001	.038
%RSD	66.16	142.8	100.2	26.85	2.493	50.00	.6069

#1	<.0000	.0033	.0114	.0069	.0143	<.0000	6.245
#2	<.0000	<.0000	<.0000	.0063	.0136	<.0000	6.157
#3	<.0000	.0098	<.0000	.0063	.0143	<.0000	6.182
#4	<.0000	.0109	<.0000	.0035	.0143	<.0000	6.210

Elem	Co2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0035	<.0000	<.0000	.0131	.0246	<.0000	1.305
SDev	.0016	.0007	.0019	.0006	.0022	.0024	.015
%RSD	44.64	56.20	103.9	4.924	8.923	9.020	1.181

#1	.0025	<.0000	<.0000	.0139	.0231	<.0000	1.305
#2	.0049	<.0000	<.0000	.0123	.0277	<.0000	1.285
#3	.0049	<.0000	.0010	.0131	.0246	<.0000	1.308
#4	.0019	<.0000	<.0000	.0131	.0230	<.0000	1.322

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	.0046	6.988	.0328	<.0000	<.0000	.1824
SDev	.0006	.0048	.036	.0063	.0143	.0081	.0717
%RSD	2.802	105.3	.5187	19.04	412.2	49.24	39.34

#1	.0221	.0102	7.035	.0366	<.0000	<.0000	.1417
#2	.0214	<.0000	6.951	.0298	<.0000	<.0000	.1960
#3	.0221	.0064	6.972	.0256	.0161	<.0000	.1146
#4	.0229	.0027	6.995	.0393	<.0000	<.0000	.2773

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8958	.0682	<.0000	.0018
SDev	.0149	.0942	.0009	.0010
%RSD	1.666	138.1	118.3	52.90

#1	.8958	<.0000	<.0000	.0005
#2	.8852	.0303	<.0000	.0020
#3	.8852	.2036	.0003	.0020
#4	.9169	.0519	<.0000	.0028

Analysis Report

01/09/02 04:50:04 PM

page 1

Method: IECW Sample Name: ipc
 Run Time: 01/09/02 16:48:20
 Comment:
 mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Se3130	Ca3179
Avge	.5038	1.039	.0120	.9845	1.016	1.009	1.039
SDev	.0013	.008	.0477	.0065	.003	.004	.003
%RSD	.2482	.8073	397.3	.6567	.2638	.3895	.3184
#1	.5032	1.042	.0423	.9776	1.012	1.004	1.037
#2	.5032	1.036	<.0000	.9885	1.018	1.010	1.040
#3	.5057	1.049	.0602	.9913	1.015	1.013	1.044
#4	.5032	1.029	<.0000	.9805	1.018	1.008	1.037

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.021	1.028	.9721	.9761	1.012	<.0000	1.009
SDev	.010	.006	.0042	.0037	.008	.2804	.018
%RSD	1.000	.5532	.4346	.3805	.8219	10.05	1.831
#1	1.011	1.025	.9721	.9706	1.002	<.0000	1.003
#2	1.033	1.025	.9721	.9777	1.014	<.0000	1.007
#3	1.025	1.036	.9773	.9785	1.022	<.0000	1.034
#4	1.013	1.026	.9669	.9777	1.011	<.0000	.9899

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.026	.9840	1.031	1.048	1.070	.9277	.1981
SDev	.004	.0138	.023	.012	.008	.0601	.1000
%RSD	.3937	1.400	2.189	1.109	.7354	6.479	50.46
#1	1.021	.9821	1.006	1.047	1.071	.9521	.3269
#2	1.027	.9672	1.046	1.056	1.066	.8871	.1913
#3	1.028	.9858	1.054	1.032	1.080	1.001	.0828
#4	1.030	1.001	1.019	1.056	1.062	.8708	.1914

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.067	1.036	1.020	1.016
SDev	.024	.054	.005	.006
%RSD	2.228	5.262	.4455	.6083
#1	1.034	1.047	1.015	1.010
#2	1.086	1.090	1.020	1.019
#3	1.081	1.047	1.026	1.024
#4	1.065	.9600	1.020	1.013

Analysis Report

01/09/02 04:55:49 PM

page 1

Method: IECW Sample Name: cb
 Run Time: 01/09/02 16:54:04
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0046	<.0000	.0004	<.0000	<.0000	.0006
SDev	.0016	.0093	.0960	.0023	.0004	.0001	.0021
%RSD	621.8	202.4	473.6	543.4	115.2	100.0	333.8

#1	.0005	.0089	.0840	<.0000	<.0000	<.0000	.0006
#2	.0010	.0144	.0211	<.0000	<.0000	.0000	.0011
#3	<.0000	<.0000	<.0000	.0036	<.0000	<.0000	<.0000
#4	<.0000	.0024	<.0000	.0007	<.0000	<.0000	.0029

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0012	.0004	.0012	.0270	.0085
SDev	.0003	.0017	.0013	.0008	.0015	.1345	.0085
%RSD	76.97	1259.	108.5	191.5	133.5	498.9	100.7

#1	<.0000	<.0000	.0007	.0006	.0004	.1707	.0102
#2	<.0000	<.0000	.0031	.0014	.0035	.0629	.0170
#3	<.0000	.0009	.0007	<.0000	.0004	<.0000	<.0000
#4	<.0000	.0012	.0002	<.0000	.0004	.0270	.0102

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	.0092	.0041	<.0000
SDev	.0004	.0022	.0114	.0044	.0000	.0244	.1196
%RSD	99.85	115.2	157.5	319.5	.0353	602.1	870.5

#1	<.0000	<.0000	.0039	<.0000	.0092	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0051	.0092	.0325	.0548
#3	<.0000	<.0000	<.0000	<.0000	.0092	.0163	.0275
#4	<.0000	<.0000	<.0000	<.0000	.0092	<.0000	.0545

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0020	.1246	.0012	.0015
%RSD	752.2	454.0	340.9	254.9

#1	<.0000	<.0000	<.0000	<.0000
#2	.0106	<.0000	<.0000	.0006
#3	<.0000	<.0000	<.0000	<.0000
#4	.0106	.1427	.0012	.0006