

WTC samples

12/24/01

Blk

29023

55TD

29024

IPL+CB

29025

LEB+LRB

29026

28855+Dup+spk

IPL+CB

28856

Wipe Blk

28857

Spk $3.8 \times 50 = 194.7$

28859

$\frac{1048}{1048} = 1812.98$

+spk

28860

Dup $3.862 \times 50 = 193.1$
 $\frac{1077}{1077} = 1795.3$

28861

28897

31395 $.6636 \times 50 = 86.9$
 $\frac{38194}{38194} = 86.9$

29749 Handwritten

31333 und.g. Check 1-5

28902

CCV+CCB

28903

IPL+CB

28964+Lab Dup+spk

28965

28966

28967

28969

28970

Reviewed by,
GHS 3/14/02

Standardization Rpt.

12/24/01 10:48:53 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 12/24/01 10:47:10

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.9845	2.875	.3580	.2050	.1110	.1570	2.908
SDev	.0019	.021	.0137	.0042	.0011	.0011	.012
%RSD	.1945	.7456	3.816	2.031	1.040	.7355	.4165

#1	.9820	2.868	.3440	.2100	.1100	.1560	2.900
#2	.9840	2.850	.3520	.2040	.1100	.1560	2.896
#3	.9860	2.900	.3600	.2000	.1120	.1580	2.922
#4	.9860	2.884	.3760	.2060	.1120	.1580	2.914

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2155	1.824	.6970	.4360	.0005	4.200	.9495
SDev	.0070	.009	.0020	.0016	.0053	.014	.0060
%RSD	3.248	.4768	.2869	.3745	1052.	.3230	.6290

#1	.2240	1.820	.6960	.4340	-.0020	4.194	.9420
#2	.2120	1.826	.6960	.4360	.0000	4.190	.9560
#3	.2180	1.836	.6960	.4380	.0080	4.220	.9520
#4	.2080	1.816	.7000	.4360	-.0040	4.196	.9480

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0685	.1005	1.365	.4190	.5340	.1085	.1025
SDev	.0010	.0047	.016	.0066	.0083	.0019	.0055
%RSD	1.460	4.702	1.143	1.583	1.559	1.765	5.373

#1	.0680	.0940	1.352	.4100	.5320	.1100	.1080
#2	.0700	.1040	1.360	.4180	.5440	.1100	.1060
#3	.0680	.1040	1.388	.4240	.5240	.1060	.1000
#4	.0680	.1000	1.362	.4240	.5360	.1080	.0960

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.279	.1110	.5015	.1155
SDev	.011	.0074	.0010	.0034
%RSD	.8983	6.661	.1994	2.957

#1	1.272	.1040	.5020	.1200
#2	1.272	.1060	.5000	.1120
#3	1.296	.1200	.5020	.1160
#4	1.276	.1140	.5020	.1140

Standardization Rpt.

12/24/01 10:50:57 AM

page 1

Method: IECW Standard: STD6
Run Time: 12/24/01 10:49:34

Elem Ag3280
Avge 29.95
SDev .07
%RSD .2263

#1 29.91
#2 30.00
#3 29.89
#4 30.02

Standardization Rpt.

12/24/01 10:54:31 AM

page 1

Method: IECW Standard: STD3

Run Time: 12/24/01 10:52:48

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	18.87	154.5	7.901	3.362	17.97	8.790	1.019
SDev	.05	.4	.039	.021	.32	.042	.004
%RSD	.2747	.2375	.4910	.6358	1.777	.4821	.3758

#1	18.81	154.7	7.916	3.350	17.88	8.812	1.016
#2	18.93	154.5	7.898	3.344	18.27	8.726	1.020
#3	18.86	154.0	7.850	3.364	18.16	8.808	1.024
#4	18.86	154.8	7.942	3.392	17.56	8.812	1.016

Elem	Tl1908
Avge	.7270
SDev	.0167
%RSD	2.296

#1	.7300
#2	.7220
#3	.7480
#4	.7080

Standardization Rpt.

12/24/01 10:59:12 AM

page 1

Method: IECW Standard: STD4

Run Time: 12/24/01 10:57:49



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	3.673	29.02	23.88	.7150	3.999
SDev	.061	.08	.09	.0132	.012
%RSD	1.667	.2785	.3575	1.848	.2902
#1	3.618	29.13	24.00	.7240	4.008
#2	3.662	28.94	23.79	.7240	3.982
#3	3.650	29.03	23.88	.7160	4.004
#4	3.760	28.99	23.86	.6960	4.002

Standardization Rpt.

12/24/01 11:02:21 AM

page 1

Method: IECW Standard: STD2

Run Time: 12/24/01 11:00:59

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	25.63	40.96	21.30	66.71	25.69	10.47	6.113
SDev	.12	.20	.06	.35	.13	.09	.040
%RSD	.4673	.4992	.2864	.5247	.5161	.8761	.6469

#1	25.46	40.78	21.21	66.44	25.52	10.48	6.088
#2	25.66	40.93	21.35	66.74	25.74	10.39	6.098
#3	25.66	40.86	21.31	66.48	25.83	10.59	6.172
#4	25.75	41.25	21.33	67.20	25.66	10.41	6.094

Elem	Mn2576	Pb2203	Zn2138
Avge	16.14	3.129	18.25
SDev	.09	.015	.09
%RSD	.5391	.4649	.4800

#1	16.06	3.134	18.12
#2	16.13	3.120	18.26
#3	16.12	3.148	18.31
#4	16.26	3.116	18.30

Standardization Rpt.

12/24/01 11:04:39 AM

page 1

Method: IECW Standard: STD5

Run Time: 12/24/01 11:03:17

Elem	V_2924
Avge	19.34
SDev	.10
%RSD	.5397

#1	19.24
#2	19.30
#3	19.34
#4	19.48

Analysis Report

12/24/01 11:07:53 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/24/01 11:06:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4851	.9907	.0008	.9810	.9823	.9711	.9726
SDev	.0026	.0044	.0363	.0077	.0032	.0038	.0100
%RSD	.5324	.4492	4685.	.7836	.3256	.3876	1.024

#1	.4824	.9882	<.0000	.9823	.9815	.9676	.9603
#2	.4886	.9970	.0399	.9899	.9870	.9764	.9839
#3	.4844	.9869	<.0000	.9712	.9807	.9709	.9760
#4	.4851	.9907	.0219	.9809	.9799	.9696	.9703

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9715	.9847	.9722	.9578	1.006	<.0000	.9389
SDev	.0089	.0106	.0035	.0049	.007	.2505	.0193
%RSD	.9158	1.072	.3569	.5159	.6488	33.42	2.059

#1	.9677	.9707	.9686	.9576	1.009	<.0000	.9341
#2	.9828	.9963	.9763	.9631	1.014	<.0000	.9651
#3	.9734	.9852	.9737	.9512	1.004	<.0000	.9380
#4	.9620	.9868	.9703	.9591	.9989	<.0000	.9186

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9837	.9610	.9509	.9848	.9223	.8946	.0276
SDev	.0037	.0132	.0311	.0079	.0390	.0402	.0859
%RSD	.3722	1.379	3.274	.8015	4.226	4.497	311.5

#1	.9824	.9426	.9792	.9806	.9319	.8506	<.0000
#2	.9887	.9671	.9696	.9925	.9705	.9167	<.0000
#3	.9837	.9610	.9093	.9758	.8780	.9387	.1174
#4	.9800	.9733	.9455	.9902	.9088	.8726	.0847

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7005	.8911	.9895	.9731
SDev	.0420	.0594	.0058	.0048
%RSD	5.995	6.669	.5875	.4929

#1	.7225	.9562	.9885	.9695
#2	.7445	.8585	.9980	.9772
#3	.6858	.9237	.9864	.9684
#4	.6490	.8261	.9853	.9772

Analysis Report

12/24/01 11:33:52 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/24/01 11:32:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0000	<.0000	<.0000	<.0000
SDev	.0016	.0054	.1119	.0018	.0004	.0000	.0018
%RSD	30.72	13.81	202.4	28210.	58.02	.0000	9.944

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0185	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0548	.0024	<.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	.0019	<.0000	<.0000
SDev	.0026	.0036	.0016	.0011	.0021	.3299	.0110
%RSD	72.25	64.54	27.43	47.16	108.2	42.64	32.34

#1	.0002	<.0000	<.0000	<.0000	.0044	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0328
SDev	.0007	.0031	.0117	.0086	.0230	.0220	.0673
%RSD	77.20	33.41	301.1	160.0	36.20	57.33	205.3

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.1226
#2	<.0000	<.0000	.0003	.0060	<.0000	<.0000	.0246
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0075	<.0000	<.0000	<.0000	.0246

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0439	.2082	.0011	.0011
%RSD	9.190	197.0	23.55	96.05

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0003
#4	<.0000	.1791	<.0000	<.0000

Analysis Report

12/24/01 11:48:20 AM

page 1

Method: IECW Sample Name: lfb
 Run Time: 12/24/01 11:46:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0171	.2364	.2468	.2510	.2474	.0481	<.0000
SDev	.0015	.0087	.0236	.0029	.0011	.0002	.0016
%RSD	8.959	3.691	9.552	1.139	.4479	.3387	591.0

#1	.0190	.2395	.2363	.2505	.2490	.0483	<.0000
#2	.0155	.2270	.2185	.2546	.2467	.0479	<.0000
#3	.0162	.2320	.2664	.2511	.2467	.0482	<.0000
#4	.0176	.2470	.2662	.2477	.2474	.0482	.0020

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1003	.0976	.2454	.2435	.2563	<.0000	<.0000
SDev	.0031	.0005	.0041	.0010	.0015	.1641	.0083
%RSD	3.124	.4733	1.658	.4198	.5693	9.930	19.60

#1	.1010	.0969	.2484	.2439	.2550	<.0000	<.0000
#2	.0962	.0978	.2398	.2423	.2550	<.0000	<.0000
#3	.1038	.0978	.2450	.2447	.2576	<.0000	<.0000
#4	.1000	.0978	.2484	.2431	.2576	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2479	.0995	.0237	.2496	.1938	.2191	.2273
SDev	.0010	.0061	.0032	.0057	.0522	.0277	.0799
%RSD	.4099	6.163	13.42	2.278	26.95	12.63	35.17

#1	.2491	.1087	.0268	.2580	.1420	.1916	.1294
#2	.2479	.0965	.0195	.2460	.1957	.2137	.2273
#3	.2466	.0965	.0256	.2460	.1727	.2576	.3252
#4	.2479	.0965	.0231	.2484	.2648	.2136	.2272

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1051	.1615	.0939	.2442
SDev	.0193	.1165	.0009	.0027
%RSD	18.34	72.12	.9226	1.106

#1	.1139	.2183	.0939	.2453
#2	.0859	<.0000	.0928	.2420
#3	.1279	.1858	.0949	.2475
#4	.0929	.2507	.0939	.2420

Analysis Report

12/24/01 11:52:14 AM

page 1

Method: IECW Sample Name: lrb
 Run Time: 12/24/01 11:50:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0256	<.0000	<.0000	<.0000	<.0000
SDev	.0028	.0056	.0300	.0006	.0000	.0001	.0022
%RSD	90.72	40.07	116.8	21.68	.4612	100.00	40.68

#1	<.0000	<.0000	.0062	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0481	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0542	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	<.0000	<.0000	<.0000	.0025	<.0000	<.0000
SDev	.0024	.0019	.0020	.0008	.0032	.3126	.0179
%RSD	199.8	223.2	191.3	34.82	125.4	31.37	97.82

#1	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#2	.0014	.0005	.0011	<.0000	.0070	<.0000	<.0000
#3	.0043	<.0000	.0002	<.0000	.0019	<.0000	.0000
#4	.0005	.0008	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	<.0000	<.0000	<.0000	<.0000	.0000	.0001
SDev	.0006	.0071	.0051	.0106	.0388	.0416	.0842
%RSD	63780.	92.44	34.31	296.1	184.0	99760.	167100.

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0003	<.0000	<.0000	<.0000	<.0000	.0605	.0979
#3	.0003	<.0000	<.0000	.0000	.0269	<.0000	<.0000
#4	.0003	<.0000	<.0000	.0096	<.0000	<.0000	.0327

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0000
SDev	.0364	.0592	.0016	.0011
%RSD	148.5	733.9	39.98	91440.

#1	<.0000	<.0000	<.0000	.0006
#2	.0018	<.0000	<.0000	<.0000
#3	<.0000	.0567	<.0000	.0006
#4	.0018	.0244	<.0000	.0006

Analysis Report

12/24/01 12:18:56 PM

page 1

Method: IECW Sample Name: 28855

Operator: it

Run Time: 12/24/01 12:17:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0652	.0002	.0133	<.0000	5.841
SDev	.0015	.0130	.0611	.0007	.0000	.0001	.053
%RSD	34.71	103.0	93.71	397.2	.0355	100.00	.9076

#1	<.0000	<.0000	.0652	.0005	.0133	<.0000	5.882
#2	<.0000	.0008	.1249	.0005	.0133	<.0000	5.888
#3	<.0000	<.0000	.0894	.0005	.0133	<.0000	5.818
#4	<.0000	<.0000	<.0000	<.0000	.0133	<.0000	5.778

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	<.0000	<.0000	.0194	<.0000	1.226
SDev	.0017	.0028	.0027	.0006	.0043	.2664	.015
%RSD	418.5	137.6	858.3	37.45	22.31	37.02	1.189

#1	<.0000	<.0000	.0021	<.0000	.0187	<.0000	1.227
#2	<.0000	.0008	.0012	<.0000	.0238	<.0000	1.215
#3	.0023	<.0000	<.0000	<.0000	.0213	<.0000	1.215
#4	.0014	<.0000	<.0000	<.0000	.0137	<.0000	1.246

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0220	<.0000	3.877	<.0000	<.0000	.0053	.0565
SDev	.0022	.0087	.063	.0041	.0229	.0284	.0313
%RSD	9.808	112.1	1.619	90.91	47.77	532.6	55.32

#1	.0226	<.0000	3.824	<.0000	<.0000	<.0000	.0321
#2	.0226	<.0000	3.844	<.0000	<.0000	<.0000	.0320
#3	.0238	<.0000	3.874	<.0000	<.0000	.0384	.0974
#4	.0189	<.0000	3.966	<.0000	<.0000	.0163	.0647

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5966	<.0000	<.0000	<.0000
SDev	.0288	.1213	.0013	.0016
%RSD	4.829	284.9	44.84	456.6

#1	.6228	<.0000	<.0000	.0016
#2	.6159	<.0000	<.0000	.0005
#3	.5598	<.0000	<.0000	<.0000
#4	.5878	.1195	<.0000	<.0000

Analysis Report

12/24/01 12:26:54 PM

page 1

Method: IECW Sample Name: 28855dup

Operator: it

Run Time: 12/24/01 12:25:00

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0502	.0023	.0133	<.0000	5.830 ✓
SDev	.0009	.0090	.0432	.0013	.0000	.0001	.016
%RSD	31.21	92.17	86.17	59.06	.0152	76.98	.2732

#1	<.0000	<.0000	.0293	.0012	.0133	<.0000	5.820
#2	<.0000	<.0000	<.0000	.0040	.0133	<.0000	5.824
#3	<.0000	.0008	.0830	.0012	.0133	<.0000	5.854
#4	<.0000	<.0000	.0891	.0026	.0133	<.0000	5.824

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790 ✓
Avge	.0018	<.0000	<.0000	<.0000	.0219	<.0000	1.226
SDev	.0020	.0015	.0013	.0014	.0013	.3072	.012
%RSD	107.5	131.2	80.74	103.1	5.784	47.38	.9747

#1	.0014	<.0000	<.0000	<.0000	.0213	<.0000	1.227
#2	.0042	<.0000	<.0000	<.0000	.0213	<.0000	1.215
#3	.0023	<.0000	<.0000	.0006	.0213	<.0000	1.242
#4	<.0000	.0005	<.0000	<.0000	.0238	<.0000	1.219

Elem	Mn2576	Mo2020	Na5889 ✓	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0217	<.0000	3.878	.0098	<.0000	.0163	.0321
SDev	.0006	.0059	.074	.0060	.0334	.0179	.0799
%RSD	2.874	47.62	1.898	60.64	69.59	109.9	249.4

#1	.0214	<.0000	3.965	.0021	<.0000	<.0000	.1300
#2	.0226	<.0000	3.809	.0116	<.0000	.0163	<.0000
#3	.0213	<.0000	3.913	.0164	<.0000	.0383	<.0000
#4	.0214	<.0000	3.825	.0092	<.0000	.0163	.0647

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5563	.1114	<.0000	<.0000
SDev	.0218	.0554	.0015	.0006
%RSD	3.911	49.72	90.87	733.4

#1	.5528	.0871	<.0000	<.0000
#2	.5458	.1844	<.0000	<.0000
#3	.5878	.0546	.0005	.0005
#4	.5388	.1195	<.0000	.0005

Analysis Report

12/24/01 12:38:25 PM

page 1

Method: IECW Sample Name: 28855spk

Operator: it

Run Time: 12/24/01 12:36:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0180	.2431	.2860	.2549	.2600	.0481	5.746
SDev	.0007	.0063	.0338	.0034	.0014	.0001	.014
%RSD	3.665	2.595	11.81	1.353	.5500	.2694	.2437

#1	.0172	.2474	.3025	.2549	.2608	.0480	5.732
#2	.0185	.2487	.2784	.2570	.2584	.0480	5.749
#3	.0185	.2350	.2425	.2577	.2616	.0483	5.765
#4	.0178	.2412	.3206	.2500	.2592	.0480	5.739

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0983	.0975	.2438	.2384	.2732	<.0000	1.212
SDev	.0037	.0019	.0008	.0004	.0056	.1750	.014
%RSD	3.735	1.939	.3388	.1661	2.056	32.75	1.176

#1	.0978	.0998	.2445	.2386	.2663	<.0000	1.230
#2	.0969	.0961	.2436	.2378	.2713	<.0000	1.203
#3	.1035	.0983	.2427	.2386	.2764	<.0000	1.218
#4	.0950	.0958	.2445	.2386	.2789	<.0000	1.199

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2711	.0871	3.817	.2505	.2125	.2136	.1790
SDev	.0021	.0079	.037	.0141	.0431	.0752	.1181
%RSD	.7836	9.085	.9654	5.613	20.26	35.19	65.98

#1	.2708	.0963	3.856	.2649	.1646	.1806	.0886
#2	.2683	.0841	3.768	.2314	.2489	.2246	.3516
#3	.2733	.0902	3.829	.2553	.2489	.1366	.1544
#4	.2720	.0779	3.816	.2506	.1876	.3127	.1215

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7621	.2331	.0967	.2408
SDev	.0262	.1202	.0009	.0034
%RSD	3.433	51.57	.8963	1.418

#1	.7950	.2819	.0978	.2455
#2	.7534	.0542	.0967	.2411
#3	.7326	.3144	.0967	.2378
#4	.7673	.2819	.0956	.2389

Analysis Report

12/24/01 12:42:55 PM

page 1

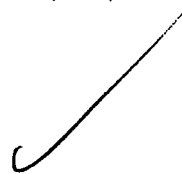
Method: IECW Sample Name: 28856

Operator: it

Run Time: 12/24/01 12:41:10

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0248	.0036	.0131	<.0000	5.764
SDev	.0018	.0057	.0205	.0004	.0000	.0000	.017
%RSD	62.45	51.72	82.67	10.98	.0141	.0000	.2977

#1	<.0000	<.0000	.0052	.0040	.0131	<.0000	5.774
#2	<.0000	<.0000	.0233	.0033	.0131	<.0000	5.769
#3	<.0000	<.0000	.0173	.0033	.0131	<.0000	5.774
#4	<.0000	<.0000	.0535	.0040	.0131	<.0000	5.738

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0207	<.0000	1.226
SDev	.0020	.0025	.0011	.0011	.0036	.3025	.007
%RSD	131.8	53.21	27.35	84.28	17.34	77.01	.5739

#1	.0011	<.0000	<.0000	<.0000	.0232	<.0000	1.222
#2	<.0000	<.0000	<.0000	.0003	.0156	<.0000	1.234
#3	<.0000	<.0000	<.0000	<.0000	.0232	<.0000	1.230
#4	<.0000	<.0000	<.0000	<.0000	.0207	<.0000	1.218

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	<.0000	3.862	.0003	<.0000	<.0000	<.0000
SDev	.0006	.0059	.025	.0045	.0077	.0127	.0465
%RSD	2.716	187.0	.6348	1555.	20.00	224.0	528.9

#1	.0220	<.0000	3.851	<.0000	<.0000	<.0000	<.0000
#2	.0232	<.0000	3.885	<.0000	<.0000	.0053	.0569
#3	.0232	<.0000	3.880	<.0000	<.0000	.0053	<.0000
#4	.0232	.0045	3.833	.0069	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5887	<.0000	<.0000	<.0000
SDev	.0143	.0531	.0010	.0019
%RSD	2.427	124.4	31.34	158.4

#1	.6009	<.0000	<.0000	.0007
#2	.6008	.0223	<.0000	<.0000
#3	.5801	<.0000	<.0000	<.0000
#4	.5731	<.0000	<.0000	<.0000

Analysis Report

12/24/01 12:45:19 PM

page 1

Method: IECW Sample Name: 28857

Run Time: 12/24/01 12:43:33

Comment:

Mode: CONC. Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1573	.0124	.0269	<.0000	24.07
SDev	.0014	.0054	.0553	.0036	.0006	.0001	.14
%RSD	41.09	33.59	35.17	29.07	2.357	50.00	.5789

#1	<.0000	<.0000	.1273	.0150	.0269	<.0000	23.91
#2	<.0000	<.0000	.1032	.0150	.0261	<.0000	24.06
#3	<.0000	<.0000	.2295	.0122	.0269	<.0000	24.05
#4	<.0000	<.0000	.1693	.0074	.0276	<.0000	24.25

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0652	.9899	7.884
SDev	.0016	.0010	.0036	.0009	.0046	.2926	.030
%RSD	262.9	24.69	406.8	89.96	7.085	29.55	.3768

#1	<.0000	<.0000	<.0000	<.0000	.0627	.7071	7.891
#2	.0008	<.0000	<.0000	<.0000	.0601	.7700	7.891
#3	<.0000	<.0000	.0013	<.0000	.0677	1.273	7.911
#4	<.0000	<.0000	.0030	<.0000	.0703	1.210	7.841

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0535	<.0000	25.64	.0195	<.0000	<.0000	.0784
SDev	.0006	.0050	.32	.0114	.0254	.0277	.1017
%RSD	1.164	245.5	1.241	58.22	110.5	226.9	129.7

#1	.0538	<.0000	26.01	.0315	.0038	.0263	.0209
#2	.0538	<.0000	25.66	.0267	<.0000	<.0000	.0867
#3	.0526	.0041	25.66	.0124	<.0000	<.0000	<.0000
#4	.0538	<.0000	25.23	.0076	<.0000	<.0000	.2181

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.330	.0929	<.0000	<.0000
SDev	.013	.1560	.0013	.0006
%RSD	.9479	167.8	53.60	131.6

#1	1.337	.0116	<.0000	<.0000
#2	1.323	<.0000	<.0000	.0004
#3	1.344	.2393	<.0000	<.0000
#4	1.317	.2068	<.0000	<.0000

Analysis Report

12/24/01 12:47:39 PM

page 1

Method: IECW Sample Name: 28859

Operator: it

Run Time: 12/24/01 12:45:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0017	.0096	.0024	.0135	<.0000	5.812
SDev	.0018	.0037	.0683	.0024	.0004	.0001	.028
%RSD	110.3	213.8	710.6	100.2	3.332	100.00	.4761

#1	<.0000	<.0000	.0894	.0012	.0139	<.0000	5.818
#2	<.0000	<.0000	<.0000	.0012	.0131	<.0000	5.782
#3	<.0000	.0036	.0412	.0012	.0139	<.0000	5.848
#4	<.0000	.0061	<.0000	.0061	.0131	<.0000	5.801

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	<.0000	<.0000	.0194	<.0000	1.253
SDev	.0016	.0029	.0027	.0008	.0015	.2481	.015
%RSD	252.8	167.6	230.7	103.0	7.531	157.9	1.205

#1	.0030	.0001	<.0000	.0003	.0206	.0471	1.260
#2	.0002	<.0000	<.0000	<.0000	.0206	<.0000	1.268
#3	<.0000	.0013	.0023	<.0000	.0181	.0471	1.234
#4	.0002	<.0000	<.0000	<.0000	.0181	<.0000	1.249

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	<.0000	3.911	.0080	<.0000	.0053	<.0000
SDev	.0006	.0132	.097	.0118	.0296	.0180	.1119
%RSD	2.643	819.3	2.483	146.4	171.6	339.5	18020.

#1	.0245	<.0000	3.871	.0236	.0115	.0273	.1555
#2	.0232	<.0000	4.040	.0069	.0038	.0053	<.0000
#3	.0232	.0168	3.811	<.0000	<.0000	<.0000	<.0000
#4	.0232	<.0000	3.920	.0069	<.0000	.0053	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5835	<.0000	<.0000	<.0000
SDev	.0378	.0971	.0006	.0013
%RSD	6.472	116.4	44.25	86.86

#1	.5315	<.0000	<.0000	<.0000
#2	.6146	<.0000	<.0000	<.0000
#3	.6078	<.0000	<.0000	<.0000
#4	.5800	.0548	<.0000	<.0000

Analysis Report

12/24/01 01:32:28 PM

page 1

Method: IECW Sample Name: 28860

Run Time: 12/24/01 13:30:42

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0503	.0057	.0133	<.0000	5.770
SDev	.0010	.0106	.0362	.0013	.0004	.0001	.027
%RSD	34.20	112.0	71.90	23.17	2.927	76.98	.4678

#1	<.0000	<.0000	.0007	.0040	.0135	<.0000	5.777
#2	<.0000	<.0000	.0489	.0068	.0127	<.0000	5.735
#3	<.0000	.0014	.0847	.0054	.0135	<.0000	5.800
#4	<.0000	<.0000	.0670	.0068	.0135	<.0000	5.769

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0018	.0006	.0003	.0207	<.0000	1.198
SDev	.0018	.0026	.0022	.0008	.0033	.2218	.020
%RSD	180.3	146.7	381.5	297.0	15.82	60.33	1.638

#1	.0004	<.0000	<.0000	<.0000	.0219	<.0000	1.179
#2	<.0000	.0031	<.0000	.0008	.0244	<.0000	1.225
#3	.0004	.0047	.0034	.0008	.0169	<.0000	1.198
#4	<.0000	<.0000	.0008	.0001	.0194	<.0000	1.191

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0251	<.0000	3.826	<.0000	<.0000	<.0000	.0159
SDev	.0007	.0092	.120	.0098	.0221	.0211	.1090
%RSD	2.865	12390.	3.127	362.7	1155.	34.68	686.9

#1	.0245	.0076	3.699	<.0000	<.0000	<.0000	<.0000
#2	.0245	<.0000	3.961	.0069	<.0000	<.0000	.0980
#3	.0257	<.0000	3.757	<.0000	.0172	<.0000	<.0000
#4	.0257	.0076	3.887	.0045	.0172	<.0000	.0980

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5954	.1267	<.0000	.0013
SDev	.0220	.0947	.0013	.0019
%RSD	3.690	74.75	96.51	145.7

#1	.5628	.0946	<.0000	.0010
#2	.6040	.2554	<.0000	<.0000
#3	.6040	.1267	.0005	.0021
#4	.6109	.0302	<.0000	.0032

Analysis Report

12/24/01 01:34:43 PM

page 1

Method: IECW Sample Name: 28860

Operator: it

Run Time: 12/24/01 13:32:58

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0021	.0351	.0031	.0135	<.0000	5.839
SDev	.0010	.0056	.0300	.0020	.0000	.0001	.031
%RSD	124.5	272.9	85.26	63.67	.0267	7039000.	.5333

#1	<.0000	.0027	.0066	.0026	.0135	<.0000	5.806
#2	<.0000	<.0000	.0547	.0019	.0135	<.0000	5.826
#3	.0006	.0089	.0666	.0061	.0135	.0001	5.879
#4	<.0000	.0014	.0126	.0019	.0135	<.0000	5.844

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0019	.0027	.0012	.0200	<.0000	1.237
SDev	.0014	.0011	.0019	.0008	.0052	.2782	.024
%RSD	477.1	59.01	70.41	63.63	26.05	1777.	1.952

#1	<.0000	.0031	.0034	.0008	.0143	<.0000	1.229
#2	.0004	.0013	.0033	.0008	.0244	<.0000	1.241
#3	.0004	.0025	.0042	.0024	.0244	.3442	1.268
#4	.0004	.0007	<.0000	.0008	.0168	.0626	1.210

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0257	<.0000	3.820	<.0000	<.0000	.0053	<.0000
SDev	.0010	.0031	.043	.0046	.0268	.0454	.1169
%RSD	3.945	97.22	1.122	72.80	349.8	856.4	19000.

#1	.0257	<.0000	3.819	<.0000	<.0000	<.0000	<.0000
#2	.0257	<.0000	3.881	<.0000	<.0000	<.0000	.0651
#3	.0269	.0014	3.790	<.0000	.0325	.0658	<.0000
#4	.0245	<.0000	3.789	<.0000	<.0000	<.0000	.0979

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6228	.1186	<.0000	.0010
SDev	.0356	.0405	.0022	.0009
%RSD	5.715	34.18	197.0	88.58

#1	.5971	.1589	<.0000	<.0000
#2	.6383	.1267	<.0000	.0010
#3	.6657	.0622	.0015	.0021
#4	.5902	.1267	<.0000	.0010

Analysis Report

12/24/01 01:37:40 PM

page 1

Method: IECW Sample Name: 28861

Operator: it

Run Time: 12/24/01 13:35:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1705	.0148	.0276	<.0000	24.35
SDev	.0007	.0080	.0146	.0024	.0004	.0000	.12
%RSD	33.95	65.95	8.584	16.40	1.603	.0000	.4960

#1	<.0000	<.0000	.1704	.0122	.0280	<.0000	24.41
#2	<.0000	<.0000	.1885	.0136	.0272	<.0000	24.33
#3	<.0000	<.0000	.1706	.0178	.0280	<.0000	24.46
#4	<.0000	<.0000	.1526	.0157	.0273	<.0000	24.18

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	.0026	<.0000	.0651	1.205	7.874
SDev	.0019	.0022	.0031	.0004	.0025	.107	.045
%RSD	183.1	85.15	120.7	62.97	3.884	8.872	.5720

#1	.0020	<.0000	<.0000	<.0000	.0639	1.346	7.902
#2	.0020	<.0000	.0032	<.0000	.0639	1.220	7.921
#3	<.0000	<.0000	.0067	<.0000	.0689	1.095	7.848
#4	.0020	<.0000	.0007	<.0000	.0639	1.158	7.825

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0563	<.0000	25.36	.0070	<.0000	<.0000	.0948
SDev	.0000	.0031	.45	.0063	.0367	.0277	.1798
%RSD	.0052	85.70	1.785	89.75	1915.	156.2	189.7

#1	.0563	<.0000	25.67	.0100	.0249	.0208	.2918
#2	.0563	.0010	25.75	.0124	<.0000	<.0000	.1933
#3	.0563	<.0000	24.76	<.0000	.0325	<.0000	<.0000
#4	.0563	<.0000	25.26	.0076	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.354	.1964	<.0000	<.0000
SDev	.033	.0852	.0005	.0006
%RSD	2.413	43.36	45.47	79.06

#1	1.388	.0837	<.0000	<.0000
#2	1.334	.2447	<.0000	<.0000
#3	1.375	.1804	<.0000	<.0000
#4	1.320	.2770	<.0000	<.0000

Analysis Report

12/24/01 01:43:43 PM

page 1

Method: IECW Sample Name: 28897

Operator: it

Run Time: 12/24/01 13:41:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0577	.0019	.0137	<.0000	5.911
SDev	.0017	.0089	.0288	.0010	.0004	.0001	.028
%RSD	180.2	2019.	49.97	51.37	2.852	50.00	.4669

#1	<.0000	.0014	.0727	.0026	.0135	<.0000	5.903
#2	<.0000	<.0000	.0549	.0005	.0135	<.0000	5.877
#3	<.0000	.0064	.0185	.0026	.0135	<.0000	5.941
#4	.0013	.0039	.0847	.0019	.0143	<.0000	5.924

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	<.0000	<.0000	.0001	.0194	<.0000	1.257
SDev	.0038	.0007	.0035	.0006	.0029	.1533	.015
%RSD	208.9	103.0	297.7	1208.	15.09	122.5	1.156

#1	.0052	<.0000	<.0000	.0001	.0219	<.0000	1.268
#2	.0052	<.0000	<.0000	<.0000	.0168	<.0000	1.237
#3	<.0000	<.0000	<.0000	.0001	.0168	<.0000	1.268
#4	<.0000	<.0000	.0033	.0008	.0219	.0626	1.256

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	.0014	6.707	.0021	<.0000	<.0000	<.0000
SDev	.0006	.0050	.073	.0109	.0193	.0376	.0863
%RSD	2.642	345.0	1.083	523.5	1006.	97.07	207.2

#1	.0232	.0014	6.761	.0021	<.0000	<.0000	.0322
#2	.0232	<.0000	6.763	.0164	.0172	<.0000	<.0000
#3	.0245	.0014	6.694	<.0000	.0019	<.0000	<.0000
#4	.0232	.0076	6.609	<.0000	.0019	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8409	.0703	<.0000	.0002
SDev	.0132	.1628	.0021	.0006
%RSD	1.565	231.6	128.4	294.5

#1	.8374	<.0000	<.0000	<.0000
#2	.8512	.2554	<.0000	<.0000
#3	.8512	.1588	<.0000	<.0000
#4	.8237	<.0000	<.0000	.0010

Analysis Report

12/24/01 01:50:32 PM

page 1

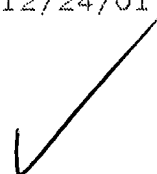
Method: IECW Sample Name: 28902

Operator: it

Run Time: 12/24/01 13:48:47

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0485	.0044	.0142	<.0000	7.250
SDev	.0014	.0062	.0190	.0028	.0000	.0000	.035
%RSD	41.90	64.27	39.17	63.69	.0279	.0000	.4834

#1	<.0000	<.0000	.0725	.0066	.0142	<.0000	7.201
#2	<.0000	<.0000	.0304	.0046	.0142	<.0000	7.267
#3	<.0000	<.0000	.0365	.0004	.0142	<.0000	7.251
#4	<.0000	<.0000	.0543	.0059	.0142	<.0000	7.282

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0073	.0337	<.0000	1.738
SDev	.0028	.0012	.0010	.0004	.0032	.1065	.025
%RSD	185.0	107.6	80.44	5.383	9.459	24.75	1.428

#1	<.0000	<.0000	<.0000	.0071	.0368	<.0000	1.722
#2	.0023	<.0000	<.0000	.0071	.0343	<.0000	1.768
#3	<.0000	.0001	<.0000	.0071	.0292	<.0000	1.714
#4	<.0000	<.0000	<.0000	.0079	.0343	<.0000	1.749

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	.0030	8.322	.0067	<.0000	<.0000	.0731
SDev	.0000	.0031	.123	.0070	.0211	.0110	.1180
%RSD	.0072	103.8	1.480	104.4	110.1	39.57	161.5

#1	.0232	.0076	8.384	.0091	<.0000	<.0000	<.0000
#2	.0232	.0014	8.463	.0067	<.0000	<.0000	.0977
#3	.0232	.0014	8.238	<.0000	<.0000	<.0000	.1306
#4	.0232	.0014	8.201	.0139	.0019	<.0000	.1633

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8606	.0454	<.0000	.0035
SDev	.0163	.0766	.0014	.0016
%RSD	1.898	168.8	41.89	47.63

#1	.8503	.0937	<.0000	.0021
#2	.8571	.0936	<.0000	.0054
#3	.8504	.0615	<.0000	.0021
#4	.8846	<.0000	<.0000	.0043

Analysis Report

12/24/01 01:52:56 PM

page 1

Method: IECW Sample Name: 28903

Operator: it

Run Time: 12/24/01 13:51:11

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0483	.0085	.0157	<.0000	7.875
SDev	.0007	.0062	.0354	.0021	.0000	.0001	.034
%RSD	27.87	239.5	73.30	24.41	.0198	100.00	.4301

#1	<.0000	<.0000	.0364	.0094	.0157	<.0000	7.869
#2	<.0000	.0049	.0121	.0059	.0157	<.0000	7.863
#3	<.0000	<.0000	.0963	.0108	.0157	<.0000	7.845
#4	<.0000	<.0000	.0483	.0080	.0157	<.0000	7.924

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0006	.0097	.0317	<.0000	1.860
SDev	.0033	.0026	.0008	.0004	.0041	.0181	.006
%RSD	3628.	780.5	130.9	4.080	13.05	38.50	.3379

#1	<.0000	.0013	.0004	.0095	.0317	<.0000	1.852
#2	.0032	<.0000	.0013	.0103	.0367	<.0000	1.868
#3	<.0000	.0010	.0013	.0095	.0266	<.0000	1.860
#4	.0023	.0007	<.0000	.0095	.0317	<.0000	1.860

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	.0045	8.380	.0187	<.0000	<.0000	.0484
SDev	.0007	.0035	.163	.0048	.0140	.0330	.1456
%RSD	3.187	79.09	1.947	25.63	104.3	54.26	301.2

#1	.0232	.0014	8.469	.0258	<.0000	<.0000	.0976
#2	.0219	.0014	8.357	.0163	.0019	<.0000	.2289
#3	.0219	.0075	8.533	.0163	<.0000	<.0000	<.0000
#4	.0232	.0075	8.161	.0163	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9102	.0452	<.0000	.0024
SDev	.0205	.1246	.0012	.0014
%RSD	2.252	275.9	72.85	58.81

#1	.8844	<.0000	<.0000	.0021
#2	.9325	.1900	<.0000	.0021
#3	.9188	.0935	<.0000	.0010
#4	.9050	<.0000	<.0000	.0043

Analysis Report

12/24/01 01:55:05 PM

page 1

Method: IECW Sample Name: ipc
 Run Time: 12/24/01 13:53:20
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4819	.9967	.0337	.9539	.9726	.9529	.9689
SDev	.0034	.0129	.0727	.0041	.0053	.0084	.0146
%RSD	.7143	1.298	215.7	.4333	.5477	.8800	1.510

#1	.4772	.9790	<.0000	.9495	.9653	.9406	.9471
#2	.4848	1.006	.1312	.9522	.9779	.9595	.9786
#3	.4813	.9952	.0112	.9550	.9747	.9554	.9739
#4	.4841	1.006	.0351	.9591	.9724	.9560	.9760

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9490	.9677	.9582	.9370	.9868	<.0000	.9485
SDev	.0012	.0102	.0120	.0045	.0080	.1704	.0204
%RSD	.1257	1.056	1.254	.4803	.8107	43.57	2.147

#1	.9478	.9525	.9444	.9303	.9767	<.0000	.9215
#2	.9506	.9743	.9720	.9390	.9842	<.0000	.9677
#3	.9487	.9725	.9530	.9390	.9918	<.0000	.9600
#4	.9487	.9716	.9634	.9398	.9944	<.0000	.9446

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9699	.9647	.9547	.9671	.9330	.9217	<.0000
SDev	.0105	.0257	.0078	.0229	.0201	.0648	.1137
%RSD	1.078	2.664	.8203	2.367	2.156	7.032	2242.

#1	.9562	.9264	.9616	.9396	.9043	.8557	<.0000
#2	.9811	.9754	.9435	.9922	.9349	1.010	<.0000
#3	.9686	.9754	.9580	.9587	.9425	.9217	<.0000
#4	.9736	.9815	.9555	.9778	.9502	.8996	.1591

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9307	1.139	.9706	.9525
SDev	.0277	.231	.0078	.0077
%RSD	2.981	20.32	.8047	.8075

#1	.9136	1.477	.9592	.9459
#2	.9685	1.090	.9762	.9635
#3	.9067	.9615	.9752	.9492
#4	.9342	1.026	.9720	.9514

Analysis Report

12/24/01 01:59:50 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/24/01 13:58:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B 2496	Ba4934	Be3130	Ca3179
Avge	.0009	.0031	.0510	.0024	<.0000	.0001	<.0000
SDev	.0003	.0064	.0335	.0015	.0004	.0000	.0041
%RSD	40.00	204.8	65.62	63.32	200.7	.0000	74.43

#1	.0007	.0072	.0194	.0043	<.0000	.0001	<.0000
#2	.0007	<.0000	.0977	.0009	.0000	.0001	<.0000
#3	.0007	<.0000	.0496	.0016	.0000	.0001	<.0000
#4	.0014	.0096	.0374	.0029	<.0000	.0001	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K 7664	Mg2790
Avge	<.0000	.0008	.0009	.0016	<.0000	<.0000	.0039
SDev	.0023	.0014	.0025	.0008	.0038	.2183	.0179
%RSD	1302000.	164.0	288.3	47.86	599.0	77.51	465.4

#1	.0014	.0025	.0006	.0026	<.0000	<.0000	.0096
#2	.0024	.0007	.0007	.0010	<.0000	<.0000	<.0000
#3	<.0000	.0010	.0041	.0010	.0025	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0018	.0025	<.0000	.0250

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0003	.0107	.0018	.0024	<.0000	<.0000	<.0000
SDev	.0007	.0079	.0072	.0059	.0245	.0127	.0677
%RSD	231.3	73.79	395.7	244.9	2393000.	38.54	164.8

#1	<.0000	.0199	<.0000	.0048	.0249	<.0000	.0328
#2	.0009	.0077	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0009	.0138	.0030	<.0000	.0172	<.0000	<.0000
#4	<.0000	.0015	.0114	.0096	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V 2924	Zn2138
Avge	.0120	.1529	.0008	<.0000
SDev	.0119	.0483	.0010	.0009
%RSD	99.04	31.59	127.5	469700.

#1	.0292	.1931	.0005	.0011
#2	.0086	.1288	<.0000	<.0000
#3	.0086	.1931	.0016	<.0000
#4	.0017	.0965	.0016	<.0000

Analysis Report

12/24/01 02:02:34 PM

page 1

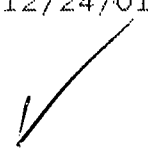
Method: IECW Sample Name: 28964

Operator: it

Run Time: 12/24/01 14:00:49

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1720	.0153	.0274	<.0000	24.20
SDev	.0003	.0124	.0593	.0016	.0004	.0001	.12
%RSD	17.80	100.6	34.47	10.79	1.394	7039000.	.5163

#1	<.0000	<.0000	.1468	.0171	.0273	<.0000	24.20
#2	<.0000	<.0000	.1704	.0164	.0280	.0001	24.34
#3	<.0000	<.0000	.1164	.0143	.0273	<.0000	24.04
#4	<.0000	<.0000	.2545	.0136	.0272	<.0000	24.22

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0015	<.0000	.0030	.0006	.0677	1.087	7.918
SDev	.0020	.0008	.0008	.0012	.0053	.185	.029
%RSD	130.9	50.30	27.58	209.7	7.778	17.00	.3711

#1	.0010	<.0000	.0032	<.0000	.0664	.9075	7.879
#2	.0039	<.0000	.0040	.0012	.0689	1.346	7.936
#3	.0020	<.0000	.0023	.0012	.0614	1.033	7.944
#4	<.0000	<.0000	.0023	.0012	.0740	1.064	7.913

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0569	.0026	25.56	.0160	<.0000	.0098	.0619
SDev	.0007	.0031	.36	.0147	.0131	.0220	.1798
%RSD	1.259	119.9	1.419	91.98	34.15	224.8	290.5

#1	.0563	.0010	25.06	.0148	<.0000	<.0000	<.0000
#2	.0575	.0071	25.64	<.0000	<.0000	<.0000	<.0000
#3	.0563	.0010	25.93	.0339	<.0000	.0428	.1604
#4	.0575	.0010	25.62	.0172	<.0000	<.0000	.2589

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.373	.2125	<.0000	<.0000
SDev	.036	.1510	.0021	.0006
%RSD	2.656	71.07	108.1	376.1

#1	1.320	.4057	<.0000	<.0000
#2	1.402	.0515	<.0000	.0007
#3	1.382	.1481	<.0000	<.0000
#4	1.388	.2447	<.0000	<.0000

Analysis Report

12/24/01 02:05:58 PM

page 1

Method: IECW Sample Name: 28964lab dup

Operator: it

Run Time: 12/24/01 14:04:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1134	.0179	.0278	<.0000	24.26
SDev	.0007	.0053	.0411	.0029	.0004	.0001	.18
%RSD	94.14	90.94	36.29	16.18	1.358	7039000.	.7500

#1	<.0000	<.0000	.0983	.0171	.0280	<.0000	24.39
#2	.0003	<.0000	.1404	.0178	.0280	<.0000	24.22
#3	<.0000	<.0000	.1524	.0219	.0280	.0001	24.39
#4	<.0000	<.0000	.0624	.0150	.0273	<.0000	24.01

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	.0034	.0008	.0664	1.393	7.878
SDev	.0028	.0018	.0015	.0005	.0055	.154	.037
%RSD	506.9	227.2	43.21	59.71	8.225	11.09	.4714

#1	<.0000	<.0000	.0049	.0004	.0664	1.314	7.840
#2	.0020	<.0000	.0032	.0012	.0690	1.565	7.875
#3	.0020	.0012	.0041	.0012	.0715	1.471	7.867
#4	.0020	<.0000	.0015	.0004	.0588	1.220	7.929

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0572	.0026	25.54	.0082	.0019	<.0000	.0619
SDev	.0012	.0116	.37	.0113	.0187	.0254	.1106
%RSD	2.080	454.5	1.460	137.7	982.8	2062.	178.6

#1	.0576	<.0000	25.24	.0243	.0172	.0208	.2261
#2	.0563	<.0000	25.60	.0052	.0172	<.0000	<.0000
#3	.0588	.0010	25.29	<.0000	<.0000	<.0000	.0291
#4	.0563	.0194	26.05	.0052	<.0000	.0208	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.354	.1884	<.0000	<.0000
SDev	.011	.0664	.0022	.0009
%RSD	.8314	35.23	2134.	213.1

#1	1.354	.2448	<.0000	.0007
#2	1.368	.1160	.0023	<.0000
#3	1.354	.2447	.0012	<.0000
#4	1.340	.1481	<.0000	<.0000

Analysis Report

12/24/01 02:17:09 PM

page 1.

Method: IECW Sample Name: 28964spk

Operator: it

Run Time: 12/24/01 14:15:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0188	.2665	.3350	.2697	.2722	.0476	23.57
SDev	.0012	.0104	.0496	.0038	.0010	.0001	.13
%RSD	6.271	3.910	14.80	1.400	.3719	.1362	.5446

#1	.0182	.2575	.4012	.2687	.2718	.0475	23.42
#2	.0189	.2749	.3289	.2749	.2726	.0475	23.54
#3	.0176	.2575	.2810	.2694	.2734	.0477	23.60
#4	.0203	.2761	.3289	.2659	.2710	.0475	23.73

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1018	.0989	.2486	.2387	.3120	1.698	7.804
SDev	.0047	.0034	.0038	.0009	.0036	.298	.077
%RSD	4.654	3.451	1.541	.3828	1.150	17.58	.9879

#1	.1016	.0957	.2462	.2379	.3095	1.440	7.817
#2	.1006	.1003	.2522	.2394	.3095	1.596	7.836
#3	.0968	.1031	.2445	.2394	.3120	1.627	7.871
#4	.1082	.0966	.2514	.2379	.3171	2.128	7.694

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3020	.0989	25.35	.2659	.2485	.2237	.3152
SDev	.0013	.0000	.71	.0137	.0308	.0110	.1052
%RSD	.4129	.0047	2.809	5.146	12.41	4.929	33.36

#1	.3014	.0989	25.70	.2731	.2313	.2182	.3563
#2	.3014	.0989	25.92	.2659	.2619	.2181	.1592
#3	.3014	.0989	25.46	.2467	.2160	.2402	.3891
#4	.3039	.0989	24.32	.2779	.2849	.2181	.3563

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.672	.4212	.0985	.2416
SDev	.020	.0616	.0031	.0019
%RSD	1.224	14.64	3.096	.7907

#1	1.650	.3729	.0966	.2421
#2	1.698	.5016	.0966	.2388
#3	1.677	.3728	.0977	.2421
#4	1.664	.4374	.1030	.2432

Analysis Report

12/24/01 02:19:36 PM

page 1

Method: IECW Sample Name: 28965

Operator: it

Run Time: 12/24/01 14:17:51

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0105	.0651	.0087	.0135	.0001	5.713
SDev	.0022	.0034	.0090	.0019	.0000	.0001	.012
%RSD	364.6	32.73	13.86	22.06	.0102	50.00	.2103

#1	.0034	.0139	.0605	.0095	.0135	.0002	5.721
#2	<.0000	.0126	.0605	.0068	.0135	.0001	5.700
#3	<.0000	.0089	.0786	.0075	.0135	.0001	5.725
#4	.0013	.0064	.0606	.0109	.0135	.0001	5.707

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0024	.0027	.0028	.0244	.1721	1.242
SDev	.0027	.0020	.0015	.0008	.0036	.1212	.015
%RSD	170.5	85.31	54.60	27.98	14.64	70.42	1.170

#1	<.0000	.0034	.0042	.0040	.0295	.3442	1.241
#2	.0023	.0047	.0008	.0024	.0219	.0626	1.252
#3	<.0000	.0007	.0025	.0024	.0244	.1252	1.252
#4	.0052	.0007	.0034	.0024	.0219	.1565	1.221

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	.0014	3.944	.0158	.0172	<.0000	<.0000
SDev	.0006	.0132	.007	.0127	.0272	.0180	.0190
%RSD	2.717	917.5	.1677	80.29	158.2	7723.	111.0

#1	.0232	<.0000	3.948	.0308	.0402	<.0000	<.0000
#2	.0220	<.0000	3.942	.0164	<.0000	<.0000	<.0000
#3	.0232	.0014	3.949	<.0000	.0325	<.0000	<.0000
#4	.0232	.0198	3.935	.0164	.0172	.0218	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7568	.1508	.0013	.0002
SDev	.0213	.0996	.0005	.0006
%RSD	2.810	66.08	41.97	293.1

#1	.7688	.0623	.0005	<.0000
#2	.7276	.0944	.0015	.0010
#3	.7756	.2875	.0015	<.0000
#4	.7551	.1589	.0015	<.0000

Analysis Report

12/24/01 02:26:26 PM

page 1

Method: IECW Sample Name: 28966
 Run Time: 12/24/01 14:24:41
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0008	.0105	.0530	.0042	.0135	.0001	5.747
SDev	.0009	.0034	.0766	.0017	.0000	.0001	.011
%RSD	112.7	32.77	144.5	41.77	.0099	100.0	.1916

#1	.0020	.0139	.1026	.0047	.0135	.0001	5.733
#2	.0006	.0064	.0246	.0040	.0135	.0001	5.759
#3	.0006	.0089	<.0000	.0019	.0135	.0001	5.745
#4	<.0000	.0126	.1266	.0061	.0135	<.0000	5.750

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0024	.0025	.0024	.0251	.1095	1.238
SDev	.0014	.0034	.0016	.0006	.0024	.1157	.013
%RSD	88.98	139.7	63.24	26.58	9.673	105.6	1.028

#1	<.0000	<.0000	.0008	.0032	.0244	.1878	1.229
#2	.0023	.0068	.0042	.0024	.0270	.0626	1.244
#3	.0023	.0031	.0034	.0016	.0270	.2191	1.225
#4	.0023	.0010	.0016	.0024	.0219	<.0000	1.252

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0220	.0045	3.944	.0140	.0172	<.0000	<.0000
SDev	.0010	.0106	.037	.0117	.0272	.0180	.0728
%RSD	4.621	235.5	.9381	83.43	158.2	80.83	97.70

#1	.0220	.0014	3.958	.0093	.0172	<.0000	<.0000
#2	.0232	.0198	3.984	.0236	.0325	<.0000	.0322
#3	.0207	<.0000	3.939	<.0000	.0402	<.0000	<.0000
#4	.0220	.0014	3.896	.0236	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7018	.1669	.0013	.0010
SDev	.0103	.0308	.0010	.0000
%RSD	1.468	18.46	80.30	.0214

#1	.7070	.1267	.0026	.0010
#2	.7138	.1910	.0005	.0010
#3	.6933	.1588	.0005	.0010
#4	.6932	.1910	.0015	.0010

Analysis Report

12/24/01 02:28:44 PM

page 1

Method: IECW Sample Name: 28968
 Run Time: 12/24/01 14:26:59
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0001	.0064	.1072	.0169	.0271	<.0000	23.69
SDev	.0007	.0054	.0375	.0024	.0004	.0001	.09
%RSD	478.2	84.48	34.94	14.35	1.446	7039000.	.3858
#1	.0010	.0138	.1522	.0143	.0265	<.0000	23.68
#2	.0003	.0064	.0622	.0157	.0273	.0001	23.63
#3	<.0000	.0039	.1163	.0178	.0273	<.0000	23.62
#4	<.0000	.0014	.0983	.0199	.0273	<.0000	23.82
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	.0035	.0010	.0601	1.455	7.869
SDev	.0026	.0028	.0008	.0004	.0025	.074	.008
%RSD	2939.	1454.	23.93	40.57	4.218	5.119	.1018
#1	<.0000	<.0000	.0024	.0012	.0589	1.565	7.879
#2	.0010	.0006	.0032	.0004	.0639	1.408	7.859
#3	.0010	.0033	.0041	.0012	.0589	1.440	7.867
#4	.0020	<.0000	.0041	.0012	.0589	1.408	7.871
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0485	.0010	25.76	.0136	<.0000	<.0000	.0208
SDev	.0006	.0050	.16	.0074	.0272	.0211	.1085
%RSD	1.281	493.3	.6045	54.75	473.8	311.7	520.7
#1	.0488	<.0000	25.92	.0148	<.0000	<.0000	.1275
#2	.0476	.0010	25.75	.0028	.0172	<.0000	.0947
#3	.0488	.0010	25.82	.0172	<.0000	<.0000	<.0000
#4	.0488	.0071	25.55	.0196	.0172	.0208	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.418	.1884	.0007	.0001			
SDev	.020	.1271	.0006	.0006			
%RSD	1.391	67.43	88.15	470.7			
#1	1.443	.1482	.0012	.0007			
#2	1.416	.1482	.0002	<.0000			
#3	1.395	.3735	.0002	<.0000			
#4	1.416	.0838	.0012	.0007			

Analysis Report

12/24/01 02:31:10 PM

page 1

Method: IECW Sample Name: 28969

Operator: it

Run Time: 12/24/01 14:29:25

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0001	.0046	.0351	.0069	.0139	.0000	5.707
SDev	.0012	.0051	.0482	.0009	.0004	.0001	.016
%RSD	1452.	112.6	137.3	12.61	3.246	230.9	.2720

#1	<.0000	.0052	.0486	.0068	.0143	.0001	5.692
#2	<.0000	<.0000	.0727	.0068	.0135	<.0000	5.705
#3	.0006	.0052	.0546	.0061	.0135	.0001	5.703
#4	.0013	.0102	<.0000	.0082	.0143	<.0000	5.729

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0013	.0018	.0014	.0200	.0391	1.244
SDev	.0046	.0011	.0032	.0008	.0024	.3144	.009
%RSD	512.7	85.01	176.8	52.49	12.12	803.6	.6864

#1	.0033	.0004	<.0000	.0009	.0194	.2191	1.241
#2	.0061	.0007	.0042	.0016	.0219	<.0000	1.252
#3	<.0000	.0013	.0042	.0008	.0219	<.0000	1.233
#4	<.0000	.0028	.0016	.0024	.0168	.3755	1.248

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0210	.0030	3.955	.0194	<.0000	<.0000	<.0000
SDev	.0006	.0031	.026	.0092	.0170	.0376	.0677
%RSD	2.956	102.9	.6558	47.57	63.34	135.6	766.3

#1	.0207	.0014	3.941	.0188	<.0000	<.0000	.0651
#2	.0207	.0076	3.963	.0069	<.0000	<.0000	<.0000
#3	.0207	.0014	3.988	.0284	<.0000	.0218	<.0000
#4	.0220	.0014	3.929	.0236	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6640	.1347	<.0000	.0010
SDev	.0227	.1063	.0011	.0013
%RSD	3.416	78.95	94.70	125.3

#1	.6589	<.0000	<.0000	<.0000
#2	.6657	.1588	<.0000	<.0000
#3	.6383	.2554	<.0000	.0021
#4	.6932	.1266	<.0000	.0021

Analysis Report

12/24/01 02:36:20 PM

page 1

Method: IECW Sample Name: 28970

Operator: it

Run Time: 12/24/01 14:34:35

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0051	.0055	.0141	.0000	5.713
SDev	.0020	.0087	.0538	.0020	.0004	.0001	.013
%RSD	207.7	334.4	1046.	35.98	2.768	230.9	.2341
#1	<.0000	<.0000	<.0000	.0081	.0143	.0001	5.709
#2	<.0000	<.0000	.0548	.0040	.0135	<.0000	5.699
#3	<.0000	<.0000	<.0000	.0061	.0143	<.0000	5.713
#4	.0020	.0089	.0486	.0040	.0143	.0001	5.731
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	.0020	.0012	.0238	<.0000	1.258
SDev	.0013	.0017	.0016	.0005	.0024	.1987	.013
%RSD	325.6	126.2	80.78	36.70	10.18	84.68	1.045
#1	<.0000	.0007	<.0000	.0008	.0219	<.0000	1.275
#2	<.0000	<.0000	.0033	.0016	.0244	<.0000	1.260
#3	.0004	<.0000	.0033	.0008	.0219	<.0000	1.244
#4	.0023	<.0000	.0016	.0016	.0270	<.0000	1.252
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0254	.0015	3.976	.0218	.0038	<.0000	<.0000
SDev	.0006	.0087	.072	.0074	.0096	.0127	.0728
%RSD	2.450	597.8	1.818	33.94	251.7	113.4	825.3
#1	.0257	.0015	4.060	.0284	.0019	<.0000	<.0000
#2	.0257	.0076	3.999	.0260	.0019	<.0000	.0323
#3	.0257	<.0000	3.888	.0212	<.0000	<.0000	.0651
#4	.0245	.0076	3.958	.0116	.0172	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6657	.1990	<.0000	.0016			
SDev	.0257	.0761	.0015	.0006			
%RSD	3.860	38.21	253.5	40.59			
#1	.6657	.1910	<.0000	.0021			
#2	.6726	.2554	<.0000	.0010			
#3	.6314	.2554	<.0000	.0010			
#4	.6932	.0944	.0015	.0021			

Analysis Report

12/24/01 02:38:50 PM

page 1

Method: IECW Sample Name: 29023

Operator: it

Run Time: 12/24/01 14:37:05

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0697	.0059	.0133	.0000	5.700
SDev	.0012	.0034	.0950	.0010	.0004	.0001	.022
%RSD	193.5	3085.	136.2	17.63	2.926	230.9	.3885

#1	<.0000	<.0000	.0006	.0068	.0128	<.0000	5.677
#2	.0006	.0014	.0667	.0068	.0135	.0001	5.712
#3	<.0000	.0039	.0066	.0054	.0135	.0001	5.725
#4	<.0000	<.0000	.2049	.0047	.0135	<.0000	5.687

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0008	.0257	<.0000	1.239
SDev	.0018	.0024	.0030	.0006	.0015	.2850	.024
%RSD	2967.	331.9	256.1	76.12	5.712	117.5	1.907

#1	<.0000	.0019	<.0000	.0016	.0270	<.0000	1.237
#2	<.0000	.0007	.0033	.0008	.0244	.0626	1.268
#3	.0023	<.0000	<.0000	.0001	.0244	<.0000	1.241
#4	.0004	<.0000	<.0000	.0009	.0270	<.0000	1.210

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	<.0000	6.918	.0182	<.0000	<.0000	.0733
SDev	.0012	.0031	.172	.0071	.0253	.0330	.1085
%RSD	5.063	3698.	2.481	39.18	165.2	119.1	148.1

#1	.0220	.0015	7.134	.0116	.0019	.0218	<.0000
#2	.0245	.0014	6.978	.0164	<.0000	<.0000	.1307
#3	.0232	.0014	6.765	.0284	.0096	<.0000	.1964
#4	.0245	<.0000	6.797	.0164	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8701	.0381	<.0000	<.0000
SDev	.0189	.0308	.0018	.0011
%RSD	2.173	80.87	555.5	291.1

#1	.8581	.0301	<.0000	<.0000
#2	.8924	<.0000	.0015	.0010
#3	.8512	.0623	.0005	<.0000
#4	.8788	.0623	<.0000	<.0000

Analysis Report

12/24/01 02:41:14 PM

page 1

Method: IECW Sample Name: 29024

Operator: it

Run Time: 12/24/01 14:39:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0080	.0170	.0057	.0135	.0001	5.799
SDev	.0006	.0047	.0394	.0033	.0000	.0001	.024
%RSD	71.94	58.94	231.0	58.16	.0168	100.0	.4076

#1	<.0000	.0089	.0666	.0026	.0135	<.0000	5.780
#2	<.0000	.0089	.0305	.0040	.0135	.0001	5.828
#3	<.0000	.0014	<.0000	.0061	.0135	.0001	5.780
#4	<.0000	.0126	<.0000	.0102	.0135	.0001	5.810

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	.0014	.0062	.0244	<.0000	1.240
SDev	.0018	.0008	.0025	.0004	.0021	.1385	.009
%RSD	276.2	488.0	176.1	6.389	8.445	118.0	.6886

#1	.0033	<.0000	.0042	.0064	.0219	<.0000	1.229
#2	<.0000	.0007	.0016	.0064	.0244	<.0000	1.237
#3	.0004	<.0000	.0016	.0056	.0244	<.0000	1.248
#4	<.0000	.0004	<.0000	.0064	.0270	.0313	1.244

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	<.0000	7.333	.0188	.0019	<.0000	.0815
SDev	.0010	.0035	.036	.0078	.0272	.0312	.1867
%RSD	4.152	218.4	.4927	41.49	1428.	140.0	229.2

#1	.0245	<.0000	7.300	.0093	<.0000	<.0000	.3606
#2	.0232	.0014	7.305	.0284	.0172	.0218	<.0000
#3	.0245	<.0000	7.353	.0188	<.0000	<.0000	<.0000
#4	.0257	.0014	7.374	.0188	.0325	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8907	.0864	<.0000	.0016
SDev	.0227	.1649	.0006	.0014
%RSD	2.548	190.8	1009.	90.88

#1	.8856	<.0000	<.0000	.0010
#2	.8924	.1910	.0005	.0032
#3	.8649	<.0000	<.0000	<.0000
#4	.9199	.2554	.0005	.0021

Analysis Report

12/24/01 02:44:08 PM

page 1

Method: IECW Sample Name: 29025

Operator: it

Run Time: 12/24/01 14:42:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0167	.0078	.0149	<.0000	7.545
SDev	.0015	.0026	.0693	.0018	.0000	.0000	.020
%RSD	183.8	159.0	414.1	23.33	.0138	.0000	.2646

#1	.0013	.0012	.1083	.0094	.0149	<.0000	7.571
#2	<.0000	<.0000	<.0000	.0094	.0149	<.0000	7.539
#3	<.0000	<.0000	.0122	.0059	.0149	<.0000	7.549
#4	<.0000	<.0000	.0063	.0066	.0149	<.0000	7.523

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0004	<.0000	.0069	.0279	<.0000	1.885
SDev	.0014	.0016	.0012	.0008	.0033	.2356	.007
%RSD	90.79	359.8	272.4	10.92	11.72	22e6	.3909

#1	.0023	<.0000	<.0000	.0079	.0241	.2816	1.891
#2	.0023	.0000	.0004	.0071	.0292	.0626	1.876
#3	.0023	.0022	.0004	.0063	.0317	<.0000	1.891
#4	<.0000	.0010	<.0000	.0063	.0266	<.0000	1.883

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	.0014	8.796	.0061	<.0000	<.0000	.0483
SDev	.0010	.0050	.114	.0109	.0322	.0284	.0424
%RSD	4.383	355.3	1.297	179.1	1679.	251.3	87.71

#1	.0244	.0075	8.776	.0187	.0172	.0217	<.0000
#2	.0219	.0014	8.838	<.0000	<.0000	<.0000	.0976
#3	.0232	<.0000	8.650	.0043	.0325	<.0000	.0319
#4	.0232	.0014	8.921	.0091	<.0000	<.0000	.0648

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9308	.1417	<.0000	.0002
SDev	.0181	.1190	.0010	.0016
%RSD	1.942	83.97	52.17	1059.

#1	.9462	.1900	<.0000	.0010
#2	.9462	.0291	<.0000	<.0000
#3	.9119	.0612	<.0000	.0021
#4	.9187	.2865	<.0000	<.0000

Analysis Report

12/24/01 02:51:09 PM

page 1

Method: IECW Sample Name: 29026

Operator: it

Run Time: 12/24/01 14:49:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0187	.0021	.0131	<.0000	5.851
SDev	.0008	.0046	.0505	.0015	.0004	.0000	.033
%RSD	101.6	131.2	270.3	74.23	3.448	.0000	.5681

#1	<.0000	.0027	.0126	.0040	.0135	<.0000	5.886
#2	<.0000	<.0000	.0368	.0026	.0135	<.0000	5.810
#3	<.0000	<.0000	<.0000	.0012	.0127	<.0000	5.868
#4	<.0000	<.0000	.0728	.0005	.0127	<.0000	5.839

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	.0016	.0068	.0270	<.0000	1.217
SDev	.0023	.0023	.0020	.0008	.0000	.1198	.009
%RSD	254.2	195.1	122.0	11.67	.0079	21.28	.7020

#1	.0033	.0019	<.0000	.0064	.0270	<.0000	1.206
#2	<.0000	<.0000	<.0000	.0064	.0270	<.0000	1.225
#3	.0023	<.0000	.0034	.0080	.0270	<.0000	1.221
#4	<.0000	<.0000	.0034	.0064	.0270	<.0000	1.214

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0241	<.0000	7.577	.0164	.0096	<.0000	<.0000
SDev	.0012	.0031	.208	.0103	.0088	.0211	.1367
%RSD	4.931	97.46	2.747	62.86	92.41	126.2	22890.

#1	.0232	<.0000	7.496	.0069	.0019	<.0000	.0322
#2	.0257	<.0000	7.888	.0164	.0172	<.0000	<.0000
#3	.0245	.0015	7.442	.0117	.0019	<.0000	<.0000
#4	.0232	<.0000	7.483	.0308	.0172	<.0000	.1636

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8513	.1911	<.0000	.0010
SDev	.0291	.1018	.0016	.0009
%RSD	3.424	53.28	83.02	88.74

#1	.8856	.2554	<.0000	<.0000
#2	.8650	.1589	<.0000	.0021
#3	.8307	.0623	.0005	.0010
#4	.8238	.2876	<.0000	.0010

Analysis Report

12/24/01 02:54:00 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/24/01 14:52:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4767	.9955	.0367	.9507	.9610	.9415	.9428
SDev	.0009	.0110	.0470	.0030	.0024	.0022	.0034
%RSD	.1820	1.105	128.0	.3176	.2535	.2298	.3555
#1	.4758	.9803	<.0000	.9495	.9591	.9388	.9408
#2	.4765	.9989	.0712	.9501	.9646	.9440	.9466
#3	.4765	.9964	<.0000	.9550	.9598	.9411	.9392
#4	.4779	1.006	.0832	.9481	.9606	.9422	.9445
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9468	.9499	.9457	.9364	.9659	<.0000	.9398
SDev	.0070	.0031	.0062	.0054	.0076	.2028	.0096
%RSD	.7360	.3278	.6589	.5790	.7824	72.01	1.024
#1	.9440	.9482	.9384	.9303	.9590	<.0000	.9292
#2	.9430	.9525	.9435	.9343	.9767	<.0000	.9408
#3	.9430	.9463	.9530	.9382	.9640	<.0000	.9369
#4	.9573	.9525	.9479	.9430	.9640	<.0000	.9523
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9515	.9570	.9857	.9707	.9483	.9272	.0032
SDev	.0040	.0194	.0060	.0098	.0228	.0211	.0776
%RSD	.4185	2.025	.6064	1.006	2.409	2.276	2443.
#1	.9487	.9509	.9821	.9563	.9273	.9438	<.0000
#2	.9574	.9325	.9808	.9730	.9425	.9437	.0606
#3	.9500	.9754	.9857	.9778	.9426	.8997	<.0000
#4	.9500	.9693	.9941	.9754	.9808	.9217	.0606
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9462	1.034	.9563	.9448			
SDev	.0277	.080	.0033	.0032			
%RSD	2.926	7.782	.3432	.3435			
#1	.9617	1.026	.9518	.9415			
#2	.9136	1.122	.9592	.9448			
#3	.9342	1.058	.9582	.9437			
#4	.9754	.9294	.9561	.9492			

Analysis Report

12/24/01 03:18:41 PM

page 1

Method: IECW Sample Name: cb
 Run Time: 12/24/01 15:16:57
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	<.0000	.0315	.0012	<.0000	.0001	<.0000
SDev	.0015	.0099	.0525	.0007	.0004	.0001	.0042
%RSD	886.3	1587.	166.3	57.34	200.8	100.0	52.81
#1	.0007	<.0000	.0617	.0002	<.0000	.0001	<.0000
#2	<.0000	<.0000	.0497	.0016	.0000	<.0000	<.0000
#3	.0007	.0096	<.0000	.0016	<.0000	.0001	<.0000
#4	.0014	.0059	.0615	.0016	.0000	.0001	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	.0018	<.0000	.0000	.0013	<.0000	<.0000
SDev	.0014	.0035	.0027	.0008	.0025	.3870	.0145
%RSD	200.1	189.7	178.0	503400.	199.5	76.10	1511.
#1	<.0000	.0013	<.0000	<.0000	.0025	<.0000	.0096
#2	.0024	<.0000	.0007	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0032	<.0000	.0002	.0025	<.0000	.0096
#4	.0014	.0056	<.0000	.0010	.0025	.0313	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	.0000	.0317	<.0000	<.0000	.0082
SDev	.0006	.0079	.0091	.0100	.0207	.0422	.1428
%RSD	15e6	516.6	243200.	31.65	154.7	383.2	1739.
#1	<.0000	.0077	.0066	.0359	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0359	<.0000	.0441	<.0000
#3	.0009	<.0000	<.0000	.0383	<.0000	<.0000	.1313
#4	<.0000	.0015	.0066	.0167	.0172	<.0000	.1313
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	.0563	<.0000	<.0000			
SDev	.1934	.0664	.0011	.0006			
%RSD	178.8	117.8	462000.	115.4			
#1	<.0000	<.0000	<.0000	.0000			
#2	<.0000	.0966	<.0000	<.0000			
#3	.0154	.1287	<.0000	<.0000			
#4	.0773	<.0000	.0016	<.0000			