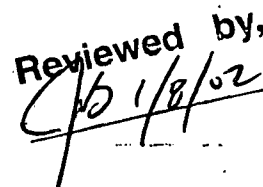


12/4/01 ^{IT} 10:31 AM		WTC samples		12/01
BIK	27506	TCLP BIK		BI
STD	27507	3 TCLP STD		SS
IPC+CB	27508	TCLP Qe		IR
LFB+LRB	27509	TCLP Dig. BIK		LFI
27490 Lab. Dup + spl	IPC+CB	27186 (RSD-repeat)		27
27491	LFB+LRB	27187 + Dup + spl		271
27492	27022	27670 + Dup		271
27493	27785	Qe TCLP BIK		279
27494	27787			279
27495	27788			280
27496	27715 + Lab Dup + spl			278
27497	27754			278
27498	27755			278
27499	29444 } STAT			278
IPC+CB	29446 }			IR
27500 + Lab Dup + spl	IPC+CB			271
27501	26808 Qe			278
27502	26807 Qe			284
27503	26809 Qe			284
27504	26811 Qe			284
	26815 Qe			284

Reviewed by,


Standardization Rpt.

12/04/01 10:31:01 AM

page 1

Method: IECW Standard: STD1-Blank
 Run Time: 12/04/01 10:29:18

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.399	4.063	.5875	.3075	.1480	.2060	4.189
SDev	.004	.006	.0066	.0076	.0000	.0000	.003
%RSD	.2737	.1477	1.125	2.455	.0000	.0000	.0827

#1	1.394	4.060	.5940	.3080	.1480	.2060	4.186
#2	1.402	4.072	.5800	.3020	.1480	.2060	4.188
#3	1.402	4.060	.5840	.3180	.1480	.2060	4.188
#4	1.398	4.060	.5920	.3020	.1480	.2060	4.194

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.3005	2.833	1.039	.6125	.0060	5.382	1.408
SDev	.0030	.020	.004	.0019	.0000	.014	.002
%RSD	.9983	.7234	.3970	.3126	.0000	.2635	.1160

#1	.3020	2.812	1.044	.6120	.0060	5.376	1.406
#2	.2960	2.856	1.034	.6140	.0060	5.392	1.410
#3	.3020	2.820	1.038	.6140	.0060	5.394	1.408
#4	.3020	2.844	1.038	.6100	.0060	5.364	1.408

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1010	.1585	2.003	.5560	.8310	.1695	.1580
SDev	.0011	.0019	.013	.0037	.0066	.0060	.0049
%RSD	1.143	1.208	.6492	.6567	.7982	3.523	3.101

#1	.1000	.1600	2.008	.5520	.8400	.1620	.1620
#2	.1020	.1580	2.004	.5600	.8320	.1760	.1520
#3	.1020	.1600	1.984	.5540	.8260	.1680	.1620
#4	.1000	.1560	2.014	.5580	.8260	.1720	.1560

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	6.009	.1585	.7285	.1745
SDev	.021	.0030	.0025	.0019
%RSD	.3485	1.893	.3455	1.097

#1	5.986	.1540	.7280	.1720
#2	6.002	.1600	.7320	.1760
#3	6.012	.1600	.7260	.1740
#4	6.036	.1600	.7280	.1760

Standardization Rpt.

12/04/01 10:34:17 AM

page 1

Method: IECW Standard: STD6

Run Time: 12/04/01 10:32:55

Elem	Ag3280
Avge	43.73
SDev	.08
%RSD	.1868

#1	43.76
#2	43.82
#3	43.72
#4	43.63

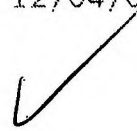
Standardization Rpt.

12/04/01 10:46:47 AM

page 1

Method: IECW Standard: STD3

Run Time: 12/04/01 10:45:04



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	25.11	237.4	14.68	6.857	12.02	17.58	1.704
SDev	.09	.8	.05	.056	.05	.09	.017
%RSD	.3441	.3387	.3483	.8200	.3987	.5262	1.011

#1	25.02	236.6	14.63	6.802	11.99	17.48	1.706
#2	25.14	237.7	14.69	6.826	12.01	17.58	1.706
#3	25.08	237.0	14.64	6.870	11.99	17.55	1.682
#4	25.22	238.4	14.74	6.930	12.09	17.70	1.724

Elem	Tl1908
Avge	1.395
SDev	.028
%RSD	2.025

#1	1.426
#2	1.384
#3	1.362
#4	1.410

Standardization Rpt.

12/04/01 10:51:40 AM

page 1

Method: IECW Standard: STD4

Run Time: 12/04/01 10:50:18



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	6.964	39.55	47.56	1.211	10.00
SDev	.108	.18	.24	.010	.03
%RSD	1.547	.4642	.5127	.8247	.2772
#1	7.104	39.79	47.91	1.200	10.05
#2	6.970	39.59	47.49	1.220	9.992
#3	6.844	39.44	47.49	1.204	9.992
#4	6.936	39.38	47.35	1.218	9.988

Standardization Rpt.

12/04/01 10:55:08 AM

page 1

Method: IECW Standard: STD2

Run Time: 12/04/01 10:53:46



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	26.84	93.58	38.94	134.6	26.49	10.86	8.065
SDev	.09	.27	.10	.3	.07	.01	.019
%RSD	.3502	.2862	.2492	.1950	.2700	.1139	.2417

#1	26.90	93.87	39.07	135.0	26.54	10.87	8.084
#2	26.94	93.59	38.88	134.5	26.55	10.85	8.042
#3	26.74	93.22	38.85	134.4	26.39	10.84	8.056
#4	26.78	93.62	38.97	134.6	26.46	10.87	8.078

Elem	Mn2576	Pb2203	Zn2138
Avge	30.58	6.031	31.90
SDev	.07	.019	.09
%RSD	.2152	.3209	.2872

#1	30.66	6.034	32.00
#2	30.58	6.050	31.87
#3	30.50	6.004	31.78
#4	30.57	6.036	31.93

Standardization Rpt.

12/04/01 10:58:55 AM

page 1

Method: IECW Standard: STD5
Run Time: 12/04/01 10:57:33

Elem V_2924
Avge 31.81
SDev .02
%RSD .0783

#1 31.83
#2 31.79
#3 31.78
#4 31.82

Analysis Report

12/04/01 12:12:59 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/04/01 12:11:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280 ✓	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179 ✓
Avge	.4900	.9555 ✓	.0944	.9802	.9802 ✓	.9644 ✓	1.001 ✓
SDev	.0007	.0094	.0438	.0039	.0022	.0023	.002
%RSD	.1446	.9833	46.41	.3997	.2196	.2429	.2115

#1	.4897	.9598	.0716	.9777	.9778	.9617	.9988
#2	.4897	.9436	.0812	.9828	.9800	.9631	1.002
#3	.4911	.9531	.0654	.9843	.9830	.9665	1.004
#4	.4897	.9655	.1593	.9762	.9800	.9662	1.001

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9911 ✓	.9890 ✓	.9670 ✓	.9612 ✓	.9630 ✓	.9406	.9941 ✓
SDev	.0037	.0027	.0072	.0020	.0078	.1944	.0074
%RSD	.3750	.2758	.7405	.2115	.8122	20.67	.7404

#1	.9889	.9928	.9619	.9583	.9592	1.068	.9851
#2	.9874	.9887	.9598	.9614	.9620	1.142	.9941
#3	.9956	.9884	.9740	.9622	.9742	.8128	.9941
#4	.9925	.9863	.9722	.9629	.9565	.7397	1.003

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9793 ✓	.9793 ✓	1.047 ✓	.9935 ✓	1.020	.9869	.0948
SDev	.0049	.0168	.010	.0124	.023	.0076	.0324
%RSD	.4984	1.714	.9387	1.246	2.291	.7662	34.22

#1	.9727	.9606	1.047	.9938	1.009	.9934	.0901
#2	.9786	.9696	1.049	.9891	.9938	.9935	.1091
#3	.9839	.9935	1.035	1.010	1.028	.9804	.0521
#4	.9819	.9935	1.059	.9809	1.048	.9804	.1281

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0019	1.037	.9865 ✓	.9984 ✓
SDev	.0382	.085	.0045	.0023
%RSD	2003.	8.217	.4534	.2306

#1	.0157	1.078	.9804	1.001
#2	<.0000	.9159	.9888	.9958
#3	.0157	1.046	.9907	.9996
#4	.0307	1.110	.9862	.9971

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/04/01 12:15:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0037	.0235	.0240	.0037	.0004	.0002	.0015
SDev	.0012	.0075	.0188	.0015	.0004	.0001	.0005
%RSD	32.26	31.70	78.21	40.57	115.9	40.82	33.37
#1	.0021	.0138	.0445	.0022	<.0000	.0001	.0021
#2	.0035	.0252	.0193	.0027	<.0000	.0002	.0012
#3	.0050	.0318	.0317	.0052	.0007	.0003	.0016
#4	.0040	.0233	.0005	.0047	.0007	.0002	.0010
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	.0009	.0032	.0044	<.0000	.2009	.0278
SDev	.0005	.0014	.0021	.0006	.0014	.5218	.0142
%RSD	47.92	145.2	65.73	14.20	66.40	160.2	51.00
#1	.0014	<.0000	.0007	.0037	<.0000	<.0000	.0150
#2	.0009	<.0000	.0033	.0044	<.0000	.2648	.0240
#3	.0014	.0024	.0059	.0052	<.0000	.5205	.0481
#4	.0004	.0019	.0029	.0044	<.0000	.2648	.0240
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0005	.0149	.0489	.0153	.0231	.0424	.1092
SDev	.0003	.0015	.0115	.0032	.0039	.0107	.0855
%RSD	66.73	10.04	23.42	20.86	16.67	25.14	78.35
#1	.0003	.0172	.0394	.0164	.0250	.0424	.2280
#2	.0003	.0142	.0474	.0176	.0250	.0293	.1139
#3	.0010	.0142	.0654	.0106	.0250	.0555	.0569
#4	.0003	.0142	.0434	.0164	.0173	.0424	.0379
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	.0648	.0024	.0011			
SDev	.0381	.1499	.0014	.0014			
%RSD	3.113	231.5	57.61	123.7			
#1	<.0000	<.0000	.0005	.0030			
#2	<.0000	<.0000	.0037	.0011			
#3	<.0000	.2876	.0031	.0005			
#4	<.0000	.0121	.0024	<.0000			

Analysis Report

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page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 12/04/01 12:21:32

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0257	.2506	.2185	.2457	.2486	.0480	.0212
SDev	.0008	.0106	.0205	.0024	.0017	.0002	.0018
%RSD	2.996	4.218	9.394	.9643	.6686	.5046	8.712

#1	.0267	.2551	.2200	.2434	.2480	.0480	.0238
#2	.0257	.2503	.1918	.2480	.2480	.0480	.0200
#3	.0257	.2608	.2419	.2439	.2473	.0477	.0211
#4	.0248	.2361	.2202	.2475	.2510	.0483	.0198

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1058	.1047	.2471	.2526	.2447	<.0000	.0172
SDev	.0011	.0011	.0009	.0006	.0042	.4353	.0071
%RSD	1.008	1.087	.3754	.2499	1.733	207.2	41.30

#1	.1049	.1045	.2471	.2534	.2426	.3744	.0270
#2	.1049	.1033	.2462	.2518	.2467	<.0000	.0119
#3	.1065	.1054	.2484	.2526	.2399	<.0000	.0179
#4	.1070	.1058	.2466	.2526	.2494	<.0000	.0119

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.2520	.1051	.1037	.2653	.2710	.2704	.3124
SDev	.0013	.0052	.0231	.0045	.0089	.0447	.0452
%RSD	.4987	4.920	22.29	1.711	3.277	16.51	14.48

#1	.2516	.1096	.0933	.2655	.2787	.3162	.2458
#2	.2529	.1096	.1332	.2632	.2787	.2900	.3219
#3	.2503	.1007	.1092	.2608	.2633	.2116	.3408
#4	.2529	.1007	.0793	.2714	.2634	.2639	.3409

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.2506	.1010	.2583
SDev	.0612	.1086	.0010	.0029
%RSD	5.242	43.36	.9554	1.110

#1	<.0000	.1087	.1015	.2608
#2	<.0000	.2384	.1002	.2577
#3	<.0000	.2871	.1002	.2545
#4	<.0000	.3681	.1021	.2602

Analysis Report

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page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 12/04/01 12:35:32

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000 ✓	.0053 ✓	<.0000	<.0000	<.0000 ✓	<.0000 ✓	.0010 ✓
SDev	.0016	.0058	.0196	.0014	.0004	.0000	.0012
%RSD	453.7	110.2	176.5	62.07	199.1	200.0	116.5

#1	.0002	.0110	.0093	<.0000	.0004	<.0000	.0009
#2	<.0000	.0024	<.0000	<.0000	<.0000	<.0000	.0002
#3	.0017	.0091	<.0000	<.0000	<.0000	.0000	.0027
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0002

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001 ✓	.0003 ✓	.0016 ✓	.0010 ✓	.0031 ✓	.2998	.0128 ✓
SDev	.0017	.0011	.0006	.0013	.0013	.1262	.0055
%RSD	1329.	368.1	34.45	138.6	42.56	42.08	42.96

#1	<.0000	.0011	.0023	.0014	.0041	.2249	.0159
#2	.0010	.0002	.0014	.0014	.0014	.2623	.0068
#3	.0021	.0012	.0010	.0021	.0027	.4872	.0098
#4	<.0000	<.0000	.0018	<.0000	.0041	.2249	.0189

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0003 ✓	<.0000 ✓	.0056 ✓	.0003 ✓	.0087	<.0000	<.0000
SDev	.0004	.0029	.0127	.0072	.0201	.0430	.0332
%RSD	115.9	67760.	228.9	2457.	231.0	326.1	62.93

#1	.0007	<.0000	<.0000	.0029	<.0000	<.0000	<.0000
#2	.0007	.0037	<.0000	<.0000	.0377	<.0000	<.0000
#3	<.0000	.0007	.0151	.0088	<.0000	.0395	<.0000
#4	<.0000	<.0000	.0172	<.0000	.0068	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0908	<.0000	.0005 ✓	<.0000 ✓
SDev	.0196	.0094	.0009	.0003
%RSD	21.58	31770.	189.1	32780.

#1	.1118	<.0000	.0011	.0002
#2	.0720	.0081	.0011	.0002
#3	.0764	<.0000	.0005	<.0000
#4	.1030	.0081	<.0000	.0002

Analysis Report

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page 1

Method: IECW Sample Name: 27490

Operator: it

Run Time: 12/04/01 12:44:15

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0443	.0044	.0125	<.0000	5.877
SDev	.0021	.0090	.0320	.0011	.0000	.0000	.020
%RSD	29.18	30.49	72.31	25.26	.0153	.0000	.3437

#1	<.0000	<.0000	.0719	.0044	.0125	<.0000	5.854
#2	<.0000	<.0000	.0120	.0049	.0125	<.0000	5.867
#3	<.0000	<.0000	.0215	.0054	.0125	<.0000	5.891
#4	<.0000	<.0000	.0717	.0028	.0125	<.0000	5.897

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0294	<.0000	1.257
SDev	.0011	.0020	.0016	.0004	.0028	.2879	.012
%RSD	52.42	64.48	57.39	18.59	9.542	12.91	.9415

#1	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.254
#2	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.269
#3	<.0000	<.0000	<.0000	<.0000	.0332	<.0000	1.263
#4	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	4.062	<.0000	<.0000	<.0000	.0139
SDev	.0000	.0066	.043	.0046	.0115	.0329	.0157
%RSD	.0027	109.6	1.066	305.9	149.4	142.1	113.1

#1	.0242	<.0000	4.069	<.0000	<.0000	<.0000	.0139
#2	.0242	<.0000	4.020	<.0000	<.0000	.0262	<.0000
#3	.0242	<.0000	4.038	.0003	<.0000	<.0000	.0330
#4	.0242	.0037	4.119	.0038	.0068	<.0000	.0138

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1749	<.0000	<.0000	.0009
SDev	.0784	.0466	.0006	.0013
%RSD	44.81	326.6	13.48	151.3

#1	.0741	<.0000	<.0000	<.0000
#2	.1892	.0223	<.0000	.0020
#3	.1715	.0223	<.0000	.0001
#4	.2646	<.0000	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: 27490lab dup

Operator: it

Run Time: 12/04/01 12:51:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0010	.0049	.0127 <i>0.0125</i>	<.0000	5.839 <i>5.877</i>
SDev	.0013	.0055	.0186	.0008	.0004	.0000	.034
%RSD	19.77	23.54	1926.	17.06	2.951	40.00	.5767
#1	<.0000	<.0000	.0121	.0049	.0125	<.0000	5.887
#2	<.0000	<.0000	<.0000	.0038	.0125	<.0000	5.833
#3	<.0000	<.0000	<.0000	.0049	.0125	<.0000	5.811
#4	<.0000	<.0000	.0213	.0059	.0133	<.0000	5.824
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	.0311	<.0000	1.250 <i>1.257</i>
SDev	.0024	.0015	.0009	.0000	.0018	.2760	.008
%RSD	516.3	81.58	41.79	.0612	5.645	16.84	.6357
#1	.0005	<.0000	<.0000	<.0000	.0305	<.0000	1.251
#2	.0010	<.0000	<.0000	<.0000	.0291	<.0000	1.238
#3	.0030	<.0000	<.0000	<.0000	.0318	<.0000	1.254
#4	<.0000	<.0000	<.0000	<.0000	.0332	<.0000	1.257
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0243	<.0000	4.008 <i>4.062</i>	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0052	.050	.0066	.0073	.0311	.0634
%RSD	2.581	136.0	1.255	36530.	75.76	134.2	130.6
#1	.0248	.0037	4.063	<.0000	<.0000	<.0000	<.0000
#2	.0242	<.0000	3.950	.0085	<.0000	<.0000	<.0000
#3	.0235	<.0000	3.986	<.0000	<.0000	<.0000	<.0000
#4	.0248	<.0000	4.034	.0015	<.0000	<.0000	.0138
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.1915	.0426	<.0000	.0010			
SDev	.0432	.0335	.0004	.0006			
%RSD	22.54	78.63	11.89	62.01			
#1	.1627	.0060	<.0000	.0007			
#2	.1760	.0223	<.0000	.0007			
#3	.1716	.0710	<.0000	.0007			
#4	.2557	.0710	<.0000	.0020			

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Method: IECW Sample Name: 27490spk

Operator: it

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

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0189	.2225	.2609	.2596	.2599	.0482	5.753
SDev	.0004	.0091	.0436	.0028	.0012	.0002	.019
%RSD	2.389	4.094	16.72	1.070	.4701	.3639	.3346

#1	.0195	.2146	.3136	.2630	.2614	.0484	5.774
#2	.0191	.2261	.2097	.2589	.2599	.0482	5.750
#3	.0186	.2156	.2476	.2604	.2584	.0480	5.728
#4	.0186	.2337	.2725	.2563	.2599	.0483	5.760

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1018	.1020	.2444	.2441	.2764	<.0000	1.244
SDev	.0015	.0022	.0018	.0009	.0024	.3625	.021
%RSD	1.518	2.198	.7214	.3658	.8542	20.26	1.664

#1	.1014	.1028	.2467	.2449	.2730	<.0000	1.250
#2	.1040	.1049	.2450	.2433	.2784	<.0000	1.263
#3	.1004	.1000	.2428	.2433	.2771	<.0000	1.214
#4	.1014	.1005	.2432	.2449	.2770	<.0000	1.247

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2750	.0850	3.968	.2502	.2509	.2129	1.2382
SDev	.0010	.0051	.032	.0042	.0066	.0198	.1090
%RSD	.3579	6.005	.7998	1.690	2.629	9.284	45.77

#1	.2762	.0872	3.964	.2558	.2500	.2228	.3966
#2	.2742	.0842	3.952	.2510	.2577	.1965	.1662
#3	.2742	.0783	3.943	.2475	.2538	.2360	.2239
#4	.2755	.0902	4.014	.2463	.2422	.1965	.1662

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.3200	.2775	.0966	.2571
SDev	.0221	.0360	.0004	.0032
%RSD	6.919	12.98	.3852	1.224

#1	.3133	.3303	.0963	.2592
#2	.3487	.2653	.0963	.2567
#3	.3222	.2491	.0970	.2529
#4	.2956	.2653	.0970	.2598

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Method: IECW Sample Name: 27491

Operator: it

Run Time: 12/04/01 13:10:28

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0016	.0052	.0131	<.0000	5.821
SDev	.0002	.0058	.0460	.0022	.0004	.0000	.007
%RSD	6.293	57.66	2927.	41.60	2.866	66.67	.1133

#1	<.0000	<.0000	<.0000	.0084	.0133	<.0000	5.824
#2	<.0000	<.0000	.0527	.0049	.0133	<.0000	5.811
#3	<.0000	<.0000	.0243	.0038	.0133	<.0000	5.825
#4	<.0000	<.0000	<.0000	.0038	.0125	<.0000	5.823

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0099	.0339	<.0000	1.263
SDev	.0011	.0019	.0006	.0004	.0018	.1545	.016
%RSD	555.5	109.5	55.80	3.903	5.203	11.30	1.301

#1	<.0000	<.0000	<.0000	.0097	.0345	<.0000	1.241
#2	.0005	<.0000	<.0000	.0105	.0359	<.0000	1.269
#3	<.0000	<.0000	<.0000	.0097	.0332	<.0000	1.263
#4	.0010	<.0000	<.0000	.0097	.0318	<.0000	1.281

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	<.0000	3.999	.0056	.0019	<.0000	.0042
SDev	.0004	.0071	.025	.0064	.0080	.0271	.0483
%RSD	1.545	448.8	.6152	115.2	412.4	781.4	1153.

#1	.0242	<.0000	4.006	.0109	<.0000	<.0000	.0138
#2	.0242	.0037	3.992	.0097	.0068	.0262	.0522
#3	.0248	<.0000	4.028	.0050	.0106	.0130	.0138
#4	.0248	.0037	3.970	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0840	<.0000	<.0000	.0018
SDev	.0428	.0531	.0006	.0008
%RSD	50.96	517.4	35.07	44.01

#1	.0564	<.0000	<.0000	.0020
#2	.0519	<.0000	<.0000	.0020
#3	.0829	.0547	<.0000	.0007
#4	.1449	<.0000	<.0000	.0026

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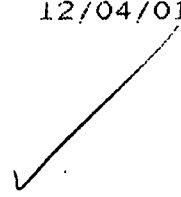
Method: IECW Sample Name: 27492

Operator: it

Run Time: 12/04/01 13:12:39

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1095	.0159	.0273	<.0000	24.28
SDev	.0018	.0124	.0589	.0010	.0004	.0000	.11
%RSD	37.66	76.34	53.77	6.176	1.389	66.67	.4504

#1	<.0000	<.0000	.0545	.0166	.0270	<.0000	24.43
#2	<.0000	<.0000	.1298	.0146	.0271	<.0000	24.27
#3	<.0000	<.0000	.0704	.0166	.0271	<.0000	24.18
#4	<.0000	<.0000	.1832	.0156	.0278	<.0000	24.23

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	.0005	.0005	.0639	<.0000	8.110
SDev	.0014	.0012	.0015	.0007	.0028	.5525	.059
%RSD	186.0	74.46	293.9	138.5	4.378	1474.	.7237

#1	.0001	<.0000	.0025	<.0000	.0636	<.0000	8.187
#2	.0017	<.0000	<.0000	.0007	.0677	<.0000	8.117
#3	<.0000	<.0000	<.0000	<.0000	.0609	<.0000	8.048
#4	.0022	<.0000	.0009	.0015	.0636	.5996	8.087

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0552	<.0000	26.42	.0021	.0068	<.0000	.0393
SDev	.0005	.0045	.19	.0017	.0151	.0274	.1092
%RSD	.9642	863.1	.7256	79.72	223.9	350.7	277.5

#1	.0558	<.0000	26.69	.0009	<.0000	<.0000	<.0000
#2	.0552	.0032	26.36	.0021	<.0000	<.0000	<.0000
#3	.0545	.0032	26.39	.0009	.0261	.0251	.1642
#4	.0552	<.0000	26.24	.0045	.0106	<.0000	.0873

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7769	.1412	<.0000	.0013
SDev	.0561	.0636	.0008	.0008
%RSD	7.221	45.08	38.75	62.32

#1	.7479	.1248	<.0000	.0010
#2	.7791	.0600	<.0000	.0004
#3	.7260	.1738	<.0000	.0016
#4	.8544	.2062	<.0000	.0023

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Method: IECW Sample Name: 27493

Operator: it

Run Time: 12/04/01 13:15:09

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0160	.0023	.0137	<.0000	5.621
SDev	.0012	.0067	.0224	.0015	.0004	.0000	.014
%RSD	18.87	28.47	140.5	64.26	3.169	.0000	.2559

#1	<.0000	<.0000	.0090	.0039	.0141	<.0000	5.600
#2	<.0000	<.0000	<.0000	.0023	.0133	<.0000	5.624
#3	<.0000	<.0000	.0434	.0028	.0133	<.0000	5.634
#4	<.0000	<.0000	.0214	.0003	.0141	<.0000	5.624

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	<.0000	<.0000	.0237	<.0000	1.183
SDev	.0013	.0006	.0017	.0010	.0011	.2351	.009
%RSD	181.4	23.41	47.20	57.81	4.706	10.45	.7663

#1	<.0000	<.0000	<.0000	<.0000	.0237	<.0000	1.178
#2	.0025	<.0000	<.0000	<.0000	.0250	<.0000	1.178
#3	.0005	<.0000	<.0000	<.0000	.0237	<.0000	1.178
#4	.0005	<.0000	<.0000	<.0000	.0223	<.0000	1.196

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	<.0000	3.744	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0052	.025	.0022	.0122	.0393	.0384
%RSD	2.487	136.2	.6771	243.0	140.6	169.7	722.5

#1	.0222	<.0000	3.707	.0015	<.0000	<.0000	<.0000
#2	.0216	<.0000	3.760	<.0000	<.0000	.0262	.0139
#3	.0209	.0037	3.748	<.0000	<.0000	<.0000	.0139
#4	.0216	<.0000	3.762	.0003	.0068	<.0000	.0139

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0305	<.0000	.0017
SDev	.0173	.0708	.0006	.0006
%RSD	22.69	232.0	18.82	38.20

#1	<.0000	.0711	<.0000	.0020
#2	<.0000	<.0000	<.0000	.0007
#3	<.0000	.0549	<.0000	.0020
#4	<.0000	.0711	<.0000	.0020

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Method: IECW Sample Name: 27494

Run Time: 12/04/01 13:17:40

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0106	.0037	.0137	<.0000	5.586
SDev	.0010	.0110	.0452	.0006	.0004	.0000	.044
%RSD	13.81	29.57	425.3	17.23	3.178	.0000	.7798

#1	<.0000	<.0000	.0372	.0039	.0141	<.0000	5.565
#2	<.0000	<.0000	<.0000	.0028	.0133	<.0000	5.557
#3	<.0000	<.0000	.0310	.0044	.0141	<.0000	5.571
#4	<.0000	<.0000	.0312	.0039	.0133	<.0000	5.651

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	<.0000	.0291	<.0000	1.190
SDev	.0004	.0009	.0006	.0004	.0011	.2338	.010
%RSD	43.25	34.35	14.50	19.75	3.829	9.488	.8791

#1	.0005	<.0000	<.0000	<.0000	.0291	<.0000	1.181
#2	.0015	<.0000	<.0000	<.0000	.0305	<.0000	1.199
#3	.0010	<.0000	<.0000	<.0000	.0291	<.0000	1.181
#4	.0010	<.0000	<.0000	<.0000	.0278	<.0000	1.199

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0257	<.0000	3.814	.0047	<.0000	<.0000	.0379
SDev	.0003	.0062	.019	.0097	.0091	.0107	.0184
%RSD	1.278	68.33	.5038	206.7	36.36	81.00	48.49

#1	.0255	<.0000	3.802	.0026	<.0000	<.0000	.0523
#2	.0255	<.0000	3.802	.0168	<.0000	<.0000	.0139
#3	.0255	<.0000	3.810	.0062	<.0000	<.0000	.0331
#4	.0261	<.0000	3.843	<.0000	<.0000	<.0000	.0523

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0102	<.0000	.0026
SDev	.0344	.0537	.0005	.0005
%RSD	27.99	526.0	12.87	19.81

#1	<.0000	.0224	<.0000	.0032
#2	<.0000	.0061	<.0000	.0026
#3	<.0000	.0711	<.0000	.0026
#4	<.0000	<.0000	<.0000	.0020

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Method: IECW Sample Name: 27495

Operator: it

Run Time: 12/04/01 13:20:03

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0439	.0149	.0248	<.0000	22.67
SDev	.0011	.0084	.0254	.0017	.0004	.0001	.09
%RSD	18.83	36.30	57.82	11.30	1.483	57.73	.4149

#1	<.0000	<.0000	.0173	.0172	.0250	<.0000	22.80
#2	<.0000	<.0000	.0330	.0147	.0242	<.0000	22.57
#3	<.0000	<.0000	.0485	.0147	.0250	<.0000	22.64
#4	<.0000	<.0000	.0769	.0132	.0250	<.0000	22.67

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0765	<.0000	7.509
SDev	.0009	.0010	.0010	.0007	.0036	.2925	.037
%RSD	812.1	39.72	298.9	34.73	4.695	37.61	.4985

#1	<.0000	<.0000	<.0000	<.0000	.0734	<.0000	7.559
#2	.0012	<.0000	<.0000	<.0000	.0789	<.0000	7.471
#3	<.0000	<.0000	.0012	<.0000	.0735	<.0000	7.492
#4	<.0000	<.0000	<.0000	<.0000	.0803	<.0000	7.513

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0857	<.0000	25.86	.0052	<.0000	.0087	.0540
SDev	.0014	.0042	.15	.0053	.0207	.0292	.0891
%RSD	1.592	155.4	.5736	102.3	102.0	334.2	165.0

#1	.0874	.0033	26.07	.0058	<.0000	.0252	.0492
#2	.0854	<.0000	25.82	<.0000	<.0000	.0384	<.0000
#3	.0861	<.0000	25.72	.0046	.0068	<.0000	.1452
#4	.0841	<.0000	25.84	.0117	<.0000	<.0000	.0876

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.067	.0244	<.0000	.0004
SDev	.030	.0810	.0008	.0009
%RSD	2.788	332.3	24.35	228.2

#1	1.028	.1096	<.0000	<.0000
#2	1.077	<.0000	<.0000	<.0000
#3	1.099	.0772	<.0000	.0004
#4	1.064	<.0000	<.0000	.0017

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Method: IECW Sample Name: 27496

Operator: it

Run Time: 12/04/01 13:41:19

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0105	.0040	.0129	<.0000	5.549
SDev	.0013	.0096	.0139	.0018	.0004	.0000	.016
%RSD	16.35	35.65	132.3	45.91	3.360	28.57	.2942

#1	<.0000	<.0000	.0150	.0023	.0133	<.0000	5.534
#2	<.0000	<.0000	.0027	.0044	.0133	<.0000	5.539
#3	<.0000	<.0000	<.0000	.0064	.0126	<.0000	5.570
#4	<.0000	<.0000	.0278	.0028	.0126	<.0000	5.555

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0281	<.0000	1.183
SDev	.0013	.0014	.0014	.0008	.0021	.2084	.020
%RSD	2169.	38.88	33.61	20.31	7.280	7.539	1.688

#1	.0010	<.0000	<.0000	<.0000	.0264	<.0000	1.172
#2	.0010	<.0000	<.0000	<.0000	.0305	<.0000	1.160
#3	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.202
#4	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.196

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	<.0000	3.719	.0026	<.0000	<.0000	.0043
SDev	.0005	.0015	.045	.0019	.0168	.0066	.0400
%RSD	2.281	24.81	1.218	72.73	217.6	39.86	931.4

#1	.0242	<.0000	3.679	.0050	.0068	<.0000	<.0000
#2	.0235	<.0000	3.707	.0027	.0068	<.0000	<.0000
#3	.0229	<.0000	3.784	.0003	<.0000	<.0000	.0139
#4	.0235	<.0000	3.705	.0026	<.0000	<.0000	.0523

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0018
SDev	.0392	.0584	.0012	.0008
%RSD	7.498	262.0	23.40	43.84

#1	<.0000	<.0000	<.0000	.0026
#2	<.0000	<.0000	<.0000	.0020
#3	<.0000	<.0000	<.0000	.0007
#4	<.0000	.0549	<.0000	.0020

Analysis Report

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Method: IECW Sample Name: 27497
 Run Time: 12/04/01 13:44:35
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0325	.0044	.0133	<.0000	5.566
SDev	.0015	.0056	.0274	.0019	.0000	.0000	.051
%RSD	17.88	20.04	84.34	43.58	.0362	.0000	.9158

#1	<.0000	<.0000	<.0000	.0018	.0133	<.0000	5.638
#2	<.0000	<.0000	.0405	.0064	.0133	<.0000	5.548
#3	<.0000	<.0000	.0623	.0049	.0133	<.0000	5.558
#4	<.0000	<.0000	.0310	.0044	.0133	<.0000	5.519

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0244	<.0000	1.164
SDev	.0010	.0009	.0014	.0015	.0014	.1601	.007
%RSD	219.8	36.34	29.70	48.79	5.582	5.566	.6173

#1	<.0000	<.0000	<.0000	<.0000	.0250	<.0000	1.169
#2	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.172
#3	<.0000	<.0000	<.0000	<.0000	.0223	<.0000	1.157
#4	.0010	<.0000	<.0000	<.0000	.0251	<.0000	1.160

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0202	<.0000	3.704	.0035	<.0000	<.0000	.0235
SDev	.0011	.0057	.031	.0054	.0212	.0346	.0333
%RSD	5.292	707.4	.8413	152.4	275.2	346.8	141.5

#1	.0216	.0037	3.748	.0027	.0106	.0262	<.0000
#2	.0202	<.0000	3.691	<.0000	<.0000	.0131	.0715
#3	.0202	<.0000	3.703	.0109	<.0000	<.0000	.0139
#4	.0189	.0037	3.675	.0027	.0068	<.0000	.0139

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0013
SDev	.0614	.1001	.0006	.0009
%RSD	10.48	995.0	11.85	66.67

#1	<.0000	<.0000	<.0000	.0020
#2	<.0000	<.0000	<.0000	.0001
#3	<.0000	.1361	<.0000	.0013
#4	<.0000	<.0000	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: 27498

Operator: it

Run Time: 12/04/01 13:48:21

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0558	.0118	.0242	<.0000	22.59
SDev	.0012	.0041	.0407	.0009	.0000	.0000	.04
%RSD	18.46	13.33	72.97	7.408	.0161	.0000	.1735

#1	<.0000	<.0000	.0425	.0106	.0242	<.0000	22.57
#2	<.0000	<.0000	.0958	.0127	.0242	<.0000	22.64
#3	<.0000	<.0000	.0802	.0117	.0242	<.0000	22.60
#4	<.0000	<.0000	.0048	.0122	.0242	<.0000	22.55

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0687	<.0000	7.497
SDev	.0009	.0016	.0006	.0006	.0034	.1479	.010
%RSD	816.1	68.75	49.27	20.38	4.992	13.73	.1376

#1	.0007	<.0000	<.0000	<.0000	.0735	<.0000	7.498
#2	.0001	<.0000	<.0000	<.0000	.0680	<.0000	7.510
#3	.0001	<.0000	<.0000	<.0000	.0653	<.0000	7.486
#4	<.0000	<.0000	<.0000	<.0000	.0680	<.0000	7.492

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0821	<.0000	25.92	.0061	<.0000	<.0000	.0157
SDev	.0012	.0035	.08	.0029	.0073	.0165	.0242
%RSD	1.460	60.54	.3069	48.43	37.87	68.57	154.1

#1	.0808	<.0000	25.83	.0046	<.0000	<.0000	.0493
#2	.0815	<.0000	25.93	.0105	<.0000	<.0000	<.0000
#3	.0834	<.0000	26.02	.0046	<.0000	<.0000	.0109
#4	.0828	<.0000	25.89	.0046	<.0000	<.0000	.0109

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5787	.0366	<.0000	.0006
SDev	.0464	.0570	.0014	.0008
%RSD	8.015	155.7	37.27	144.0

#1	.5720	.0772	<.0000	.0004
#2	.6296	.0934	<.0000	.0017
#3	.5942	<.0000	<.0000	<.0000
#4	.5189	<.0000	<.0000	.0004

Analysis Report

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page 1

Method: IECW Sample Name: 27499

Run Time: 12/04/01 13:52:18

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0415	.0021	.0124	<.0000	5.519
SDev	.0011	.0060	.0447	.0003	.0004	.0000	.017
%RSD	10.27	11.78	107.8	13.93	3.032	18.18	.3162

#1	<.0000	<.0000	<.0000	.0023	.0126	<.0000	5.507
#2	<.0000	<.0000	.0848	.0018	.0126	<.0000	5.538
#3	<.0000	<.0000	.0061	.0023	.0126	<.0000	5.501
#4	<.0000	<.0000	.0752	.0018	.0118	<.0000	5.528

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0271	<.0000	1.148
SDev	.0019	.0002	.0011	.0000	.0034	.0780	.012
%RSD	329.1	3.191	20.80	.0043	12.65	2.157	1.075

#1	<.0000	<.0000	<.0000	<.0000	.0278	<.0000	1.166
#2	<.0000	<.0000	<.0000	<.0000	.0278	<.0000	1.139
#3	.0015	<.0000	<.0000	<.0000	.0305	<.0000	1.142
#4	.0005	<.0000	<.0000	<.0000	.0223	<.0000	1.145

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0191	<.0000	3.719	.0015	<.0000	<.0000	<.0000
SDev	.0006	.0039	.038	.0040	.0156	.0132	.0415
%RSD	3.289	39.51	1.026	267.8	47.44	39.98	66.06

#1	.0196	<.0000	3.711	.0062	<.0000	<.0000	<.0000
#2	.0189	<.0000	3.774	<.0000	<.0000	<.0000	<.0000
#3	.0196	<.0000	3.685	.0027	<.0000	<.0000	<.0000
#4	.0183	<.0000	3.707	.0003	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0018
SDev	.0290	.0311	.0006	.0012
%RSD	2.320	171.5	9.223	65.87

#1	<.0000	<.0000	<.0000	.0001
#2	<.0000	<.0000	<.0000	.0026
#3	<.0000	.0225	<.0000	.0026
#4	<.0000	<.0000	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/04/01 13:55:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4804 ✓	.9207 ✓	.0487 ✓	.9777 ✓	.9658 ✓	.9624 ✓	.9986 ✓
SDev	.0044	.0067	.0420	.0096	.0095	.0080	.0120
%RSD	.9143	.7258	86.18	.9830	.9823	.8322	1.202
#1	.4864	.9199	.0432	.9910	.9791	.9737	1.017
#2	.4788	.9133	.0150	.9681	.9611	.9575	.9917
#3	.4803	.9295	.0274	.9758	.9656	.9623	.9930
#4	.4760	.9199	.1092	.9758	.9573	.9561	.9930
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9894 ✓	.9848 ✓	.9564 ✓	.9466 ✓	.9597 ✓	.0000	.9715 ✓
SDev	.0051	.0097	.0063	.0070	.0066	.4671	.0122
%RSD	.5168	.9806	.6537	.7400	.6889	36.66	1.256
#1	.9965	.9976	.9653	.9567	.9696	<.0000	.9881
#2	.9872	.9803	.9550	.9404	.9560	<.0000	.9640
#3	.9893	.9862	.9545	.9451	.9574	<.0000	.9730
#4	.9846	.9751	.9507	.9443	.9560	<.0000	.9609
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9744 ✓	.9586 ✓	.9613 ✓	.9819 ✓	1.009	.8918	.0192
SDev	.0087	.0130	.0323	.0111	.014	.0215	.0248
%RSD	.8951	1.360	3.359	1.131	1.416	2.411	129.0
#1	.9856	.9392	1.004	.9693	.9950	.8655	.0096
#2	.9652	.9661	.9639	.9775	1.026	.8919	<.0000
#3	.9764	.9631	.9497	.9952	.9989	.8918	.0480
#4	.9705	.9661	.9275	.9857	1.014	.9182	.0288
Elem	Si2881	Tl1908	V_2924 ✓	Zn2138 ✓			
Avge	<.0000	1.007	.9789	1.003			
SDev	.0540	.079	.0068	.010			
%RSD	47.48	7.831	.6947	1.034			
#1	<.0000	.9787	.9888	1.018			
#2	<.0000	.9625	.9733	.9994			
#3	<.0000	1.125	.9778	.9969			
#4	<.0000	.9625	.9759	.9969			

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/04/01 13:58:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000 ✓	<.0000 ✓	.0152	.0014	<.0000 ✓	.0001 ✓	.0015 ✓
SDev	.0011	.0084	.0418	.0013	.0004	.0001	.0069
%RSD	27.00	48.04	275.6	95.84	39.90	71.90	452.1

#1	<.0000	<.0000	.0724	.0032	<.0000	.0003	.0119
#2	<.0000	<.0000	.0192	.0001	<.0000	.0001	<.0000
#3	<.0000	<.0000	<.0000	.0006	<.0000	.0001	<.0000
#4	<.0000	<.0000	<.0000	.0017	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008 ✓	.0000 ✓	<.0000 ✓	<.0000 ✓	.0034 ✓	<.0000	<.0000 ✓
SDev	.0003	.0018	.0021	.0013	.0024	.6066	.0164
%RSD	38.41	826200.	103.6	654.0	69.03	27.91	75.12

#1	.0010	<.0000	<.0000	.0014	.0068	<.0000	<.0000
#2	.0010	<.0000	<.0000	<.0000	.0027	<.0000	<.0000
#3	.0005	<.0000	<.0000	<.0000	.0014	<.0000	<.0000
#4	.0005	.0024	<.0000	<.0000	.0027	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000 ✓	.0082 ✓	<.0000 ✓	.0006 ✓	.0174	<.0000	.0001
SDev	.0005	.0039	.0226	.0069	.0198	.0107	.0096
%RSD	49610.	46.83	95.12	1155.	113.8	82.01	15530.

#1	.0007	.0127	<.0000	.0018	.0299	<.0000	<.0000
#2	.0000	.0038	<.0000	<.0000	.0068	<.0000	<.0000
#3	.0000	.0067	<.0000	.0018	<.0000	<.0000	.0145
#4	<.0000	.0097	<.0000	.0077	.0377	.0001	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0122	<.0000 ✓	.0014 ✓
SDev	.0623	.0360	.0011	.0011
%RSD	5.820	294.2	68.28	80.99

#1	<.0000	.0568	<.0000	.0027
#2	<.0000	<.0000	<.0000	.0008
#3	<.0000	.0244	<.0000	.0021
#4	<.0000	<.0000	<.0000	.0002

Analysis Report

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page 1

Method: IECW Sample Name: 27500

Operator: it

Run Time: 12/04/01 14:00:53

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0199	.0158	.0243	<.0000	22.12
SDev	.0007	.0047	.0603	.0006	.0000	.0000	.09
%RSD	9.105	12.64	303.6	3.746	.0393	40.00	.4179

#1	<.0000	<.0000	<.0000	.0163	.0243	<.0000	22.07
#2	<.0000	<.0000	<.0000	.0152	.0243	<.0000	22.24
#3	<.0000	<.0000	.0836	.0163	.0243	<.0000	22.13
#4	<.0000	<.0000	.0584	.0153	.0243	<.0000	22.02

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0000	<.0000	<.0000	<.0000	.0698	<.0000	7.341
SDev	.0010	.0007	.0019	.0008	.0017	.1992	.027
%RSD	3605.	17.47	55.90	67.18	2.461	10.90	.3663

#1	.0007	<.0000	<.0000	<.0000	.0722	<.0000	7.329
#2	.0002	<.0000	<.0000	<.0000	.0694	<.0000	7.380
#3	.0007	<.0000	<.0000	<.0000	.0681	<.0000	7.335
#4	<.0000	<.0000	<.0000	<.0000	.0695	<.0000	7.320

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0761	.0033	25.39	.0029	<.0000	<.0000	.0446
SDev	.0003	.0000	.09	.0052	.0168	.0076	.0725
%RSD	.4298	.1250	.3448	181.7	62.15	36.58	162.6

#1	.0762	.0033	25.29	<.0000	<.0000	<.0000	<.0000
#2	.0762	.0033	25.48	.0046	<.0000	<.0000	<.0000
#3	.0762	.0033	25.44	<.0000	<.0000	<.0000	.1454
#4	.0756	.0033	25.36	.0094	<.0000	<.0000	.0494

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3431	.0897	<.0000	.0010
SDev	.0318	.0427	.0008	.0014
%RSD	9.271	47.67	15.56	132.1

#1	.3774	.1262	<.0000	.0029
#2	.3552	.0612	<.0000	<.0000
#3	.3021	.0450	<.0000	.0004
#4	.3376	.1262	<.0000	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 27500lab dup

Operator: it

Run Time: 12/04/01 14:03:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0411	.0140	.0237	<.0000	22.13
SDev	.0004	.0060	.0195	.0019	.0004	.0000	.09
%RSD	5.054	15.12	47.51	13.46	1.542	28.57	.4155

#1	<.0000	<.0000	.0680	.0127	.0236	<.0000	22.04
#2	<.0000	<.0000	.0238	.0168	.0235	<.0000	22.11
#3	<.0000	<.0000	.0300	.0132	.0243	<.0000	22.26
#4	<.0000	<.0000	.0427	.0132	.0235	<.0000	22.11

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0678	<.0000	7.332
SDev	.0010	.0013	.0011	.0004	.0028	.2269	.027
%RSD	287.1	33.98	48.56	16.50	4.132	10.81	.3729

#1	.0002	<.0000	<.0000	<.0000	.0654	<.0000	7.302
#2	.0002	<.0000	<.0000	<.0000	.0708	<.0000	7.329
#3	.0002	<.0000	<.0000	<.0000	.0694	<.0000	7.368
#4	<.0000	<.0000	<.0000	<.0000	.0654	<.0000	7.329

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0757	<.0000	25.51	.0011	<.0000	<.0000	<.0000
SDev	.0003	.0055	.15	.0055	.0102	.0456	.0653
%RSD	.4306	202.1	.5835	497.7	39.20	4326.	202.9

#1	.0756	.0003	25.34	.0058	<.0000	.0121	.0494
#2	.0756	<.0000	25.51	.0058	<.0000	<.0000	<.0000
#3	.0762	.0033	25.70	<.0000	<.0000	.0121	<.0000
#4	.0756	<.0000	25.49	<.0000	<.0000	.0384	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3752	.0897	<.0000	.0010
SDev	.0230	.0707	.0009	.0009
%RSD	6.125	78.79	18.17	86.28

#1	.3642	.1263	<.0000	<.0000
#2	.3508	.1587	<.0000	.0017
#3	.4039	.0774	<.0000	.0010
#4	.3818	<.0000	<.0000	.0017

Analysis Report

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page 1

Method: IECW Sample Name: 27500spk

Operator: it

Run Time: 12/04/01 14:09:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0128	.1798	.3046	.2678	.2662	.0476	21.77
SDev	.0004	.0043	.0697	.0042	.0021	.0003	.13
%RSD	3.537	2.409	22.88	1.568	.8038	.6532	.5998

#1	.0131	.1789	.2441	.2713	.2664	.0476	21.73
#2	.0122	.1751	.2756	.2652	.2634	.0472	21.61
#3	.0131	.1856	.2943	.2632	.2664	.0476	21.81
#4	.0127	.1798	.4044	.2713	.2686	.0479	21.92

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0990	.0935	.2365	.2346	.3076	<.0000	7.227
SDev	.0016	.0023	.0029	.0015	.0053	.2615	.048
%RSD	1.651	2.489	1.215	.6230	1.711	10.90	.6663

#1	.0985	.0919	.2388	.2336	.3148	<.0000	7.181
#2	.0970	.0913	.2323	.2336	.3025	<.0000	7.190
#3	.1001	.0945	.2379	.2344	.3052	<.0000	7.266
#4	.1006	.0963	.2370	.2367	.3079	<.0000	7.272

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3176	.0921	25.17	.2469	.2143	.1825	.3219
SDev	.0027	.0051	.21	.0084	.0139	.0107	.0892
%RSD	.8490	5.540	.8284	3.405	6.479	5.892	27.71

#1	.3158	.0899	25.17	.2590	.1959	.1825	.4131
#2	.3151	.0869	25.03	.2401	.2268	.1825	.3555
#3	.3184	.0988	25.03	.2460	.2114	.1693	.3171
#4	.3210	.0929	25.47	.2425	.2229	.1957	.2019

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3865	.2963	.0914	.2464
SDev	.0966	.0855	.0006	.0033
%RSD	25.01	28.85	.6740	1.326

#1	.5239	.3370	.0915	.2463
#2	.3777	.3695	.0909	.2419
#3	.3421	.1745	.0922	.2488
#4	.3022	.3044	.0909	.2488

Analysis Report

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page 1

Method: IECW Sample Name: 27501

Operator: it

Run Time: 12/04/01 14:14:44

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0269	.0064	.0131	<.0000	5.697
SDev	.0013	.0046	.0254	.0019	.0004	.0001	.016
%RSD	24.07	18.84	94.38	30.50	2.852	57.73	.2746

#1	<.0000	<.0000	.0466	.0038	.0133	<.0000	5.714
#2	<.0000	<.0000	.0465	.0079	.0133	<.0000	5.684
#3	<.0000	<.0000	<.0000	.0059	.0125	<.0000	5.684
#4	<.0000	<.0000	.0214	.0079	.0133	<.0000	5.707

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0308	<.0000	1.207
SDev	.0015	.0013	.0018	.0007	.0023	.2596	.009
%RSD	100.2	44.52	74.85	30.11	7.544	9.758	.7782

#1	<.0000	<.0000	<.0000	<.0000	.0332	<.0000	1.202
#2	.0005	<.0000	<.0000	<.0000	.0305	<.0000	1.199
#3	<.0000	<.0000	<.0000	<.0000	.0278	<.0000	1.205
#4	<.0000	<.0000	<.0000	<.0000	.0318	<.0000	1.220

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	<.0000	3.859	.0068	<.0000	<.0000	<.0000
SDev	.0005	.0042	.046	.0034	.0146	.0322	.0835
%RSD	2.341	183.0	1.188	50.26	251.8	81.38	15700.

#1	.0229	<.0000	3.903	.0109	.0068	<.0000	<.0000
#2	.0222	<.0000	3.830	.0026	.0068	<.0000	.0714
#3	.0229	<.0000	3.810	.0074	<.0000	<.0000	.0715
#4	.0235	.0037	3.893	.0062	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0016
SDev	.0929	.0801	.0008	.0008
%RSD	13.13	3959.	22.48	49.37

#1	<.0000	.0873	<.0000	.0013
#2	<.0000	.0061	<.0000	.0007
#3	<.0000	<.0000	<.0000	.0026
#4	<.0000	.0061	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: 27502

Operator: it

Run Time: 12/04/01 14:17:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0580	.0060	.0120	<.0000	5.348
SDev	.0022	.0111	.0262	.0005	.0004	.0000	.015
%RSD	18.72	20.59	45.18	8.085	3.109	18.18	.2741

#1	<.0000	<.0000	.0377	.0064	.0118	<.0000	5.336
#2	<.0000	<.0000	.0723	.0054	.0118	<.0000	5.339
#3	<.0000	<.0000	.0343	.0059	.0126	<.0000	5.351
#4	<.0000	<.0000	.0878	.0064	.0118	<.0000	5.368

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0295	<.0000	1.121
SDev	.0017	.0013	.0020	.0016	.0021	.4189	.023
%RSD	108.3	22.05	33.38	39.87	6.934	9.869	2.091

#1	<.0000	<.0000	<.0000	<.0000	.0305	<.0000	1.103
#2	<.0000	<.0000	<.0000	<.0000	.0305	<.0000	1.103
#3	.0005	<.0000	<.0000	<.0000	.0305	<.0000	1.151
#4	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.130

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0198	<.0000	3.676	.0000	<.0000	<.0000	<.0000
SDev	.0006	.0030	.017	.0040	.0205	.0435	.0959
%RSD	3.175	44.09	.4543	28670.	42.53	120.0	198.1

#1	.0189	<.0000	3.679	.0015	<.0000	<.0000	.0140
#2	.0196	<.0000	3.697	<.0000	<.0000	<.0000	.0524
#3	.0202	<.0000	3.659	.0050	<.0000	<.0000	<.0000
#4	.0202	<.0000	3.667	<.0000	<.0000	.0131	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0185	<.0000	.0004
SDev	.0833	.0244	.0013	.0013
%RSD	8.594	132.0	18.58	331.4

#1	<.0000	.0063	<.0000	<.0000
#2	<.0000	.0063	<.0000	.0001
#3	<.0000	.0062	<.0000	.0020
#4	<.0000	.0550	<.0000	.0007

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Method: IECW Sample Name: 27503

Operator: it

Run Time: 12/04/01 14:19:21

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0187	.0054	.0124	<.0000	5.371
SDev	.0006	.0102	.0329	.0011	.0004	.0000	.032
%RSD	5.824	19.16	175.7	20.38	3.011	22.22	.6005

#1	<.0000	<.0000	.0123	.0039	.0118	<.0000	5.345
#2	<.0000	<.0000	.0471	.0054	.0126	<.0000	5.418
#3	<.0000	<.0000	.0406	.0059	.0126	<.0000	5.359
#4	<.0000	<.0000	<.0000	.0064	.0126	<.0000	5.362

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0258	<.0000	1.124
SDev	.0009	.0008	.0017	.0004	.0014	.3371	.007
%RSD	44.46	16.70	28.08	14.75	5.297	8.712	.5808

#1	<.0000	<.0000	<.0000	<.0000	.0278	<.0000	1.118
#2	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.124
#3	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.121
#4	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.133

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0199	<.0000	3.664	.0035	<.0000	<.0000	<.0000
SDev	.0004	.0017	.028	.0081	.0191	.0166	.0565
%RSD	1.903	25.41	.7590	227.4	63.68	45.75	1089.

#1	.0202	<.0000	3.641	.0050	<.0000	<.0000	.0140
#2	.0196	<.0000	3.699	.0062	<.0000	<.0000	<.0000
#3	.0196	<.0000	3.643	<.0000	<.0000	<.0000	<.0000
#4	.0202	<.0000	3.673	.0109	<.0000	<.0000	.0524

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0185	<.0000	.0002
SDev	.0556	.0466	.0011	.0003
%RSD	5.854	252.8	15.98	132.6

#1	<.0000	<.0000	<.0000	.0001
#2	<.0000	.0063	<.0000	.0001
#3	<.0000	.0550	<.0000	.0001
#4	<.0000	.0550	<.0000	.0007

Analysis Report

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Method: IECW Sample Name: 27504

Operator: it

Run Time: 12/04/01 14:21:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0135	.0126	.0217	<.0000	20.55
SDev	.0016	.0066	.0054	.0007	.0007	.0001	.07
%RSD	12.50	10.12	40.21	5.238	3.323	34.82	.3174

#1	<.0000	<.0000	.0183	.0133	.0207	<.0000	20.62
#2	<.0000	<.0000	.0089	.0123	.0215	<.0000	20.46
#3	<.0000	<.0000	.0181	.0128	.0222	<.0000	20.54
#4	<.0000	<.0000	.0088	.0118	.0222	<.0000	20.57

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0653	<.0000	6.764
SDev	.0012	.0016	.0010	.0011	.0017	.3653	.027
%RSD	111.1	23.28	22.20	28.67	2.640	11.01	.3933

#1	<.0000	<.0000	<.0000	<.0000	.0629	<.0000	6.783
#2	<.0000	<.0000	<.0000	<.0000	.0671	<.0000	6.728
#3	.0007	<.0000	<.0000	<.0000	.0657	<.0000	6.758
#4	<.0000	<.0000	<.0000	<.0000	.0657	<.0000	6.786

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0648	<.0000	23.80	.0033	<.0000	<.0000	.0257
SDev	.0006	.0052	.16	.0031	.0083	.0225	.0672
%RSD	1.011	51.16	.6582	93.42	50.88	129.6	261.0

#1	.0651	<.0000	24.02	.0001	<.0000	<.0000	<.0000
#2	.0638	<.0000	23.76	.0013	<.0000	<.0000	<.0000
#3	.0651	<.0000	23.65	.0060	<.0000	<.0000	.1073
#4	.0651	<.0000	23.77	.0060	<.0000	.0123	.0497

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0297	<.0000	<.0000
SDev	.0655	.0297	.0016	.0009
%RSD	14.46	99.84	20.56	2324.

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0460	<.0000	<.0000
#3	<.0000	.0135	<.0000	.0004
#4	<.0000	.0622	<.0000	.0011

Analysis Report

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Method: IECW Sample Name: 27505

Operator: it

Run Time: 12/04/01 14:23:50

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0635	.0059	.0140	<.0000	5.798
SDev	.0014	.0069	.0474	.0016	.0000	.0000	.032
%RSD	68.79	2490.	74.54	27.49	.0235	200.0	.5568
#1	<.0000	.0093	.1341	.0048	.0140	.0000	5.786
#2	<.0000	<.0000	.0462	.0064	.0140	<.0000	5.825
#3	<.0000	<.0000	.0400	.0079	.0140	<.0000	5.758
#4	<.0000	<.0000	.0337	.0043	.0140	<.0000	5.824
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	.0012	.0008	.0379	<.0000	1.272
SDev	.0008	.0015	.0015	.0010	.0008	.4880	.011
%RSD	133.0	247.0	124.4	121.2	2.081	41.02	.8529
#1	.0015	.0016	.0024	.0020	.0373	<.0000	1.281
#2	<.0000	<.0000	.0024	.0012	.0386	<.0000	1.275
#3	.0010	<.0000	<.0000	.0004	.0386	<.0000	1.257
#4	<.0000	<.0000	.0006	<.0000	.0373	<.0000	1.278
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0250	<.0000	3.989	.0059	.0048	<.0000	.0521
SDev	.0006	.0029	.015	.0032	.0132	.0252	.0683
%RSD	2.516	62.54	.3777	55.27	273.5	76.07	131.1
#1	.0248	<.0000	3.972	.0097	<.0000	<.0000	.0521
#2	.0255	<.0000	3.986	.0026	.0222	<.0000	.0137
#3	.0255	<.0000	4.008	.0038	<.0000	<.0000	.1481
#4	.0242	<.0000	3.992	.0073	.0068	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	.0303	<.0000	.0023			
SDev	.0418	.0767	.0006	.0004			
%RSD	6.080	253.1	59.80	16.03			
#1	<.0000	.0872	<.0000	.0020			
#2	<.0000	.0222	<.0000	.0020			
#3	<.0000	<.0000	<.0000	.0026			
#4	<.0000	.0872	<.0000	.0026			

Analysis Report

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Method: IECW Sample Name: 27506

Operator: it

Run Time: 12/04/01 14:26:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0308	.0054	.0131	<.0000	5.713
SDev	.0018	.0117	.0545	.0006	.0004	.0000	.050
%RSD	30.33	59.43	177.1	10.89	2.819	.0000	.8788

#1	<.0000	<.0000	.0873	.0049	.0133	<.0000	5.742
#2	<.0000	<.0000	<.0000	.0049	.0126	<.0000	5.640
#3	<.0000	<.0000	.0244	.0059	.0133	<.0000	5.724
#4	<.0000	<.0000	.0529	.0059	.0133	<.0000	5.748

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0390	<.0000	1.229
SDev	.0016	.0014	.0017	.0006	.0034	.5448	.018
%RSD	813.7	56.61	81.88	33.59	8.735	22.03	1.460

#1	.0010	<.0000	<.0000	<.0000	.0373	<.0000	1.244
#2	.0015	<.0000	<.0000	<.0000	.0373	<.0000	1.205
#3	<.0000	<.0000	<.0000	<.0000	.0441	<.0000	1.226
#4	.0005	<.0000	<.0000	<.0000	.0373	<.0000	1.241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	3.925	.0047	<.0000	<.0000	.0234
SDev	.0005	.0015	.053	.0020	.0175	.0378	.0656
%RSD	2.212	24.77	1.342	42.78	86.58	163.1	280.0

#1	.0248	<.0000	3.996	.0073	<.0000	<.0000	.0330
#2	.0235	<.0000	3.869	.0038	<.0000	.0262	.1099
#3	.0242	<.0000	3.917	.0050	.0029	<.0000	<.0000
#4	.0242	<.0000	3.917	.0026	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0060	<.0000	.0013
SDev	.0476	.0984	.0013	.0011
%RSD	4.982	1627.	35.59	86.33

#1	<.0000	.0547	<.0000	.0026
#2	<.0000	<.0000	<.0000	.0007
#3	<.0000	<.0000	<.0000	.0020
#4	<.0000	.1035	<.0000	.0001

Analysis Report

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Method: IECW Sample Name: 27507

Run Time: 12/04/01 14:28:17

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0516	.0146	.0255	<.0000	23.21
SDev	.0012	.0027	.0276	.0029	.0004	.0000	.09
%RSD	19.93	14.28	53.39	19.62	1.449	66.67	.4054

#1	<.0000	<.0000	.0327	.0126	.0249	<.0000	23.13
#2	<.0000	<.0000	.0610	.0187	.0257	<.0000	23.35
#3	<.0000	<.0000	.0264	.0126	.0257	<.0000	23.20
#4	<.0000	<.0000	.0862	.0147	.0257	<.0000	23.18

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0005	<.0000	.0709	<.0000	7.732
SDev	.0009	.0018	.0005	.0006	.0017	.2041	.036
%RSD	738.7	70.46	105.4	40.40	2.393	20.55	.4627

#1	<.0000	<.0000	<.0000	<.0000	.0706	<.0000	7.731
#2	.0001	<.0000	.0010	<.0000	.0733	<.0000	7.776
#3	.0007	<.0000	.0006	<.0000	.0693	<.0000	7.688
#4	.0001	<.0000	.0006	<.0000	.0706	<.0000	7.734

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0811	.0010	26.40	.0101	<.0000	<.0000	.0971
SDev	.0011	.0029	.11	.0040	.0215	.0311	.1091
%RSD	1.399	286.1	.4337	39.45	222.4	83.23	112.4

#1	.0808	.0032	26.24	.0104	<.0000	<.0000	<.0000
#2	.0828	.0032	26.50	.0139	.0106	<.0000	.1451
#3	.0808	.0003	26.44	.0046	<.0000	<.0000	.1451
#4	.0801	<.0000	26.43	.0116	.0068	<.0000	.1643

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3667	.1134	<.0000	.0015
SDev	.0588	.0706	.0008	.0008
%RSD	16.03	62.28	29.99	53.39

#1	.3324	.1743	<.0000	.0016
#2	.4519	.1255	<.0000	.0023
#3	.3590	.0119	<.0000	.0004
#4	.3235	.1418	<.0000	.0016

Analysis Report

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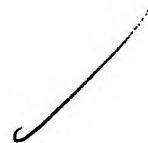
Method: IECW Sample Name: 27508

Operator: it

Run Time: 12/04/01 14:30:20

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0277	.0068	.0131	<.0000	5.649
SDev	.0007	.0073	.0319	.0011	.0004	.0001	.028
%RSD	13.24	36.11	115.4	16.72	2.861	57.73	.4916

#1	<.0000	<.0000	.0024	.0074	.0133	<.0000	5.612
#2	<.0000	<.0000	.0308	.0079	.0133	<.0000	5.650
#3	<.0000	<.0000	.0058	.0054	.0125	<.0000	5.657
#4	<.0000	<.0000	.0716	.0064	.0133	<.0000	5.678

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0023	<.0000	<.0000	<.0000	.0339	<.0000	1.229
SDev	.0016	.0023	.0011	.0004	.0024	.2777	.010
%RSD	70.95	92.30	55.13	18.67	6.963	12.30	.8120

#1	.0020	<.0000	<.0000	<.0000	.0346	<.0000	1.217
#2	.0046	<.0000	<.0000	<.0000	.0305	<.0000	1.226
#3	.0010	<.0000	<.0000	<.0000	.0359	<.0000	1.229
#4	.0015	<.0000	<.0000	<.0000	.0346	<.0000	1.241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	<.0000	3.968	.0059	<.0000	<.0000	.0330
SDev	.0004	.0042	.033	.0052	.0201	.0311	.0646
%RSD	1.682	79.72	.8208	88.68	.297.0	187.4	195.7

#1	.0222	<.0000	3.933	.0026	<.0000	<.0000	.0714
#2	.0229	.0007	3.982	.0097	.0068	<.0000	.0714
#3	.0229	<.0000	4.006	.0003	<.0000	.0262	.0523
#4	.0222	<.0000	3.950	.0109	.0068	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0223	<.0000	.0021
SDev	.0291	.1053	.0003	.0003
%RSD	3.334	472.1	12.22	14.87

#1	<.0000	.0873	<.0000	.0020
#2	<.0000	.1360	<.0000	.0020
#3	<.0000	<.0000	<.0000	.0026
#4	<.0000	<.0000	<.0000	.0020

Analysis Report

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Method: IECW Sample Name: 27509
 Run Time: 12/04/01 14:32:40
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0425	.0153	.0240	<.0000	22.98
SDev	.0023	.0142	.0209	.0015	.0004	.0001	.12
%RSD	22.70	35.61	49.20	9.948	1.510	28.87	.5102

#1	<.0000	<.0000	.0331	.0137	.0242	<.0000	23.07
#2	<.0000	<.0000	.0174	.0157	.0235	<.0000	22.81
#3	<.0000	<.0000	.0614	.0147	.0242	<.0000	22.99
#4	<.0000	<.0000	.0579	.0172	.0242	<.0000	23.05

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0543	<.0000	7.705
SDev	.0020	.0015	.0014	.0017	.0022	.5408	.048
%RSD	221.4	30.73	55.11	35.90	4.066	29.01	.6291

#1	<.0000	<.0000	<.0000	<.0000	.0543	<.0000	7.749
#2	.0017	<.0000	<.0000	<.0000	.0516	<.0000	7.637
#3	<.0000	<.0000	<.0000	<.0000	.0543	<.0000	7.728
#4	<.0000	<.0000	<.0000	<.0000	.0570	<.0000	7.707

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0560	<.0000	25.18	.0019	<.0000	<.0000	.0396
SDev	.0006	.0065	.16	.0031	.0269	.0197	.0332
%RSD	1.117	113.2	.6465	162.4	111.6	39.06	83.88

#1	.0558	<.0000	25.41	.0045	<.0000	<.0000	<.0000
#2	.0552	.0033	25.03	<.0000	<.0000	<.0000	.0493
#3	.0565	<.0000	25.17	.0045	<.0000	<.0000	.0684
#4	.0565	<.0000	25.11	<.0000	.0068	<.0000	.0491

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0729	<.0000	.0002
SDev	.0759	.0486	.0012	.0011
%RSD	13.55	66.66	22.13	469.8

#1	<.0000	.0119	<.0000	.0004
#2	<.0000	.1258	<.0000	<.0000
#3	<.0000	.0607	<.0000	<.0000
#4	<.0000	.0931	<.0000	.0016

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/04/01 14:38:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4777 ✓	.9268 ✓	.0589	.9616	.9561 ✓	.9456 ✓	.9862 ✓
SDev	.0077	.0196	.0321	.0210	.0258	.0196	.0175
%RSD	1.603	2.111	54.45	2.186	2.702	2.071	1.769
#1	.4830	.9473	.0405	.9615	.9499	.9532	.9978
#2	.4793	.9206	.0315	.9631	.9380	.9411	.9859
#3	.4665	.9025	.0600	.9351	.9425	.9210	.9617
#4	.4821	.9368	.1036	.9865	.9942	.9672	.9996
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9675 ✓	.9647 ✓	.9432 ✓	.9301 ✓	.9524 ✓	1.410	.9574 ✓
SDev	.0205	.0175	.0174	.0195	.0184	.339	.0076
%RSD	2.117	1.818	1.843	2.099	1.928	24.03	.7916
#1	.9789	.9690	.9499	.9345	.9545	1.291	.9589
#2	.9644	.9602	.9344	.9268	.9395	1.474	.9589
#3	.9401	.9438	.9245	.9059	.9381	1.840	.9469
#4	.9867	.9858	.9641	.9531	.9776	1.035	.9649
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9545 ✓	.9507 ✓	1.029 ✓	.9671 ✓	.9943	.9479	.1478
SDev	.0187	.0379	.026	.0233	.0275	.0634	.0678
%RSD	1.965	3.981	2.557	2.411	2.763	6.683	45.88
#1	.9644	.9313	1.064	.9839	.9711	.9741	.2050
#2	.9480	.9164	1.019	.9568	.9788	.8561	.1097
#3	.9316	.9522	1.001	.9391	1.033	.9611	.0716
#4	.9742	1.003	1.031	.9886	.9943	1.000	.2050
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9056	.9676	.9625 ✓	.9819 ✓			
SDev	.0422	.0337	.0175	.0226			
%RSD	4.658	3.482	1.815	2.304			
#1	.9579	.9962	.9703	.9940			
#2	.9198	.9473	.9548	.9826			
#3	.8818	.9963	.9426	.9499			
#4	.8628	.9308	.9825	1.001			

Analysis Report

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Method: IECW Sample Name: lfb

Operator: it

Run Time: 12/04/01 15:03:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.0245 ✓	.2532 ✓	.2552	.2414	.2409 ✓	.0475 ✓	.0168
SDev	.0017	.0050	.0279	.0018	.0023	.0004	.0015
%RSD	6.877	1.953	10.95	.7511	.9630	.7746	8.742

#1	.0230	.2568	.2395	.2404	.2396	.0472	.0156
#2	.0264	.2577	.2268	.2414	.2411	.0476	.0164
#3	.0254	.2472	.2647	.2399	.2389	.0472	.0189
#4	.0230	.2511	.2899	.2440	.2441	.0479	.0162

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1033 ✓	.1015 ✓	.2440 ✓	.2448 ✓	.2419 ✓	.0549	.0120
SDev	.0018	.0015	.0021	.0024	.0023	.1946	.0193
%RSD	1.712	1.512	.8716	.9992	.9601	354.4	161.1

#1	.1030	.1036	.2451	.2432	.2395	.1556	<.0000
#2	.1041	.1000	.2429	.2455	.2449	<.0000	.0368
#3	.1051	.1010	.2417	.2424	.2408	.2655	.0157
#4	.1009	.1013	.2464	.2479	.2422	<.0000	.0037

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2459 ✓	.0962 ✓	.0468	.2552 ✓	.2642	.2419	.3613
SDev	.0012	.0039	.0207	.0100	.0243	.0186	.0623
%RSD	.4870	4.008	44.26	3.933	9.189	7.671	17.24

#1	.2446	.0947	.0478	.2635	.2768	.2287	.4378
#2	.2466	.1007	.0499	.2552	.2420	.2419	.3612
#3	.2453	.0977	.0700	.2611	.2459	.2288	.2850
#4	.2472	.0918	.0196	.2411	.2922	.2681	.3613

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2834	.2198	.0989 ✓	.2536 ✓
SDev	.0156	.0898	.0013	.0019
%RSD	5.510	40.88	1.341	.7697

#1	.2635	.2647	.0988	.2525
#2	.3014	.0850	.1007	.2538
#3	.2824	.2647	.0988	.2519
#4	.2863	.2647	.0975	.2563

where is cb?

Analysis Report

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page 1

Method: IECW Sample Name: lrb
 Run Time: 12/04/01 15:06:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0025	.0191	.0328	<.0000	.0004	.0001	<.0000
SDev	.0016	.0040	.0662	.0008	.0004	.0001	.0026
%RSD	65.06	21.01	202.0	214.8	100.0	76.98	46.36

#1	.0018	.0167	<.0000	<.0000	.0006	.0001	<.0000
#2	.0027	.0234	<.0000	.0006	.0006	.0001	<.0000
#3	.0008	.0148	.1170	<.0000	<.0000	.0000	<.0000
#4	.0046	.0214	.0540	<.0000	.0006	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0018	.0014	.0023	.0007	.3662	.0188
SDev	.0010	.0010	.0016	.0010	.0013	.4953	.0165
%RSD	381.8	54.65	116.8	43.03	193.4	135.2	87.65

#1	.0005	.0013	.0026	.0019	.0010	.0824	.0158
#2	<.0000	.0027	.0013	.0027	<.0000	.8881	.0430
#3	<.0000	.0007	<.0000	.0012	<.0000	<.0000	.0068
#4	.0005	.0027	.0026	.0035	.0024	.6684	.0098

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0007	.0105	.0081	.0059	.0203	.0229	.0476
SDev	.0003	.0015	.0175	.0097	.0116	.0248	.0651
%RSD	50.11	14.28	216.4	164.5	57.16	108.4	136.8

#1	.0011	.0112	.0096	.0044	.0145	.0065	.1335
#2	.0005	.0112	<.0000	.0185	.0376	.0196	.0190
#3	.0005	.0082	<.0000	<.0000	.0145	.0065	<.0000
#4	.0005	.0112	.0318	.0056	.0145	.0590	.0571

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1883	.0204	.0024	<.0000
SDev	.0377	.0327	.0017	.0011
%RSD	20.03	160.5	70.16	61520.

#1	.1911	.0040	.0010	<.0000
#2	.1797	.0040	.0023	.0009
#3	.1455	.0694	.0016	<.0000
#4	.2368	.0040	.0048	.0009