

WTC samples

1/2/02

Bik	29791		3
SSTB (QCS)	29925		3
IPC+CB	29926		3
LFB+LRB	29927		3
29668+Lab Dup + spk IPC+CB			3
29137	w.k. Bik		30
29669	spk $\frac{3.884 \times 50}{.1011} = 1920.9$	100.3	30
29670		100.2	30
29732	Dup $\frac{3.98 \times 50}{1020} = 1918.6$		30
29733	290 $\frac{2.849 \times 50}{.1875} = 759.7$		30
29734			IF
29781	291 $\frac{2.229 \times 50}{.1011} = 111.45$		LF
29782	292 $\frac{1.116 \times 50}{.1667} = 334.7$		31
29783	293 $1.152 \times 50 = 57.6$		313
IPC+CB			316
29784+Lab Dup + spk	294 $2.996 \times 50 = 149.8$		316
29785	295 $.6971 \times 50 = 34.8$		307
29786	296 $\frac{1.509 \times 50}{.4583} = 164.6$		307
29- "			3074
	CCU+CCB		3074

Reviewed by
CB 3/15/02

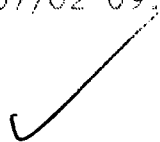
Standardization Rpt.

01/07/02 09:27:09 AM

page 1

Standard: STD1-Blank

Run Time: 01/07/02 09:25:26



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.230	3.536	.4110	.2495	.1365	.1820	3.657
SDev	.004	.018	.0200	.0060	.0010	.0000	.009
%RSD	.3604	.5150	4.858	2.394	.7326	.0000	.2546

#1	1.228	3.538	.3960	.2420	.1360	.1820	3.656
#2	1.236	3.540	.4000	.2520	.1360	.1820	3.648
#3	1.226	3.512	.4080	.2480	.1360	.1820	3.654
#4	1.232	3.556	.4400	.2560	.1380	.1820	3.670

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2455	2.263	.8680	.5400	.0005	5.159	1.183
SDev	.0050	.012	.0094	.0000	.0010	.006	.007
%RSD	2.037	.5173	1.081	.0000	200.0	.1205	.5775

#1	.2480	2.256	.8660	.5400	.0000	5.150	1.184
#2	.2480	2.258	.8560	.5400	.0000	5.160	1.180
#3	.2480	2.256	.8720	.5400	.0020	5.162	1.176
#4	.2380	2.280	.8780	.5400	.0000	5.164	1.192

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0840	.1140	1.734	.4400	.6600	.1290	.1110
SDev	.0000	.0043	.018	.0071	.0086	.0058	.0035
%RSD	.0000	3.790	1.038	1.618	1.309	4.476	3.121

#1	.0840	.1140	1.712	.4340	.6600	.1360	.1160
#2	.0840	.1100	1.752	.4500	.6560	.1220	.1080
#3	.0840	.1200	1.726	.4360	.6520	.1280	.1100
#4	.0840	.1120	1.744	.4400	.6720	.1300	.1100

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.063	.1255	.6245	.1395
SDev	.008	.0038	.0025	.0019
%RSD	.7106	3.017	.4030	1.373

#1	1.054	.1280	.6240	.1420
#2	1.060	.1200	.6220	.1380
#3	1.064	.1280	.6240	.1400
#4	1.072	.1260	.6280	.1380

Standardization Rpt.

01/07/02 09:38:02 AM

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Method: IECW

Standard: STD6

Run Time: 01/07/02 09:36:40

Elem 4g3280
Avge 41.03
SDev .15
%RSD .3731

#1 40.89
#2 41.16
#3 41.16
#4 40.90

Standardization Rpt.

01/07/02 09:40:34 AM

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Method: IECW Standard: STD3

Run Time: 01/07/02 09:38:51



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	21.83	208.8	12.53	5.323	12.36	14.45	1.342
SDev	.08	.8	.04	.033	.07	.09	.014
%RSD	.3629	.3886	.3046	.6192	.5473	.6516	1.020

#1	21.79	208.9	12.54	5.308	12.34	14.34	1.348
#2	21.74	207.7	12.48	5.284	12.29	14.40	1.338
#3	21.86	208.9	12.53	5.358	12.38	14.47	1.358
#4	21.92	209.6	12.57	5.340	12.45	14.56	1.326

Elem	Tl1908
Avge	.9965
SDev	.0230
%RSD	2.308

#1	1.024
#2	1.004
#3	.9880
#4	.9700

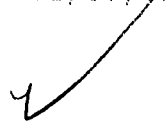
Standardization Rpt.

01/07/02 09:43:04 AM

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Method: IECW Standard: STD4

Run Time: 01/07/02 09:41:42



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	4.769	34.79	41.86	.8540	4.935
SDev	.016	.12	.13	.0148	.006
%RSD	.3291	.3480	.3008	1.732	.1216
#1	4.756	34.72	41.79	.8360	4.932
#2	4.780	34.66	41.72	.8480	4.928
#3	4.784	34.85	41.95	.8680	4.940
#4	4.754	34.93	41.98	.8640	4.940

Standardization Rpt.

01/07/02 09:45:59 AM

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Method: IECW Standard: STD2

Run Time: 01/07/02 09:44:37



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	28.37	83.02	33.25	114.4	25.74	10.77	7.140
SDev	.11	.14	.08	.3	.09	.01	.022
%RSD	.3840	.1644	.2311	.3025	.3615	.0607	.3026

#1	28.35	82.89	33.15	114.0	25.71	10.77	7.110
#2	28.34	83.05	33.31	114.4	25.70	10.78	7.140
#3	28.27	82.94	33.21	114.3	25.66	10.76	7.150
#4	28.52	83.20	33.31	114.9	25.87	10.77	7.160

Elem	Mn2576	Pb2203	Zn2138
Avge	26.32	4.970	26.06
SDev	.07	.015	.07
%RSD	.2720	.2964	.2844

#1	26.26	4.954	25.99
#2	26.33	4.964	26.10
#3	26.27	4.988	26.01
#4	26.42	4.976	26.14

Standardization Rpt.

01/07/02 09:57:08 AM

page 1

Method: IECW Standard: STD5
Run Time: 01/07/02 09:55:46

Elem V_2924
Avge 29.46
SDev .14
%RSD .4813

#1 29.31
#2 29.44
#3 29.42
#4 29.65

Analysis Report

01/07/02 10:05:06 AM

page 1

Method: IECW Sample Name: 1pc

Operator: it

Run Time: 01/07/02 10:03:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4970	1.047	.0575	.9928	1.004	1.006	1.037
SDev	.0009	.011	.0496	.0057	.002	.002	.004
%RSD	.1754	1.014	86.23	.5784	.1855	.2281	.4312

#1	.4973	1.039	<.0000	.9912	1.002	1.003	1.032
#2	.4978	1.036	.0473	.9877	1.005	1.006	1.036
#3	.4958	1.056	.0885	1.001	1.006	1.007	1.037
#4	.4973	1.056	.1023	.9912	1.005	1.008	1.043

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.017	1.026	.9945	.9730	1.035	<.0000	.9941
SDev	.008	.007	.0036	.0015	.004	.1065	.0065
%RSD	.7930	.6983	.3643	.1546	.3882	21.28	.6533

#1	1.009	1.017	.9912	.9708	1.030	<.0000	.9992
#2	1.019	1.026	.9966	.9732	1.039	<.0000	.9856
#3	1.028	1.034	.9917	.9740	1.036	<.0000	.9992
#4	1.012	1.026	.9985	.9740	1.036	<.0000	.9924

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.013	1.026	.9972	1.031	1.006	.9626	.1368
SDev	.003	.008	.0206	.008	.028	.0561	.0745
%RSD	.3309	.7500	2.067	.7964	2.740	5.824	54.49

#1	1.009	1.022	.9896	1.021	1.006	.9293	.0624
#2	1.012	1.022	.9896	1.032	.9779	.9460	.1706
#3	1.015	1.022	.9820	1.041	1.043	.9293	.2247
#4	1.017	1.038	1.028	1.032	.9966	1.046	.0894

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.092	1.035	1.008	1.021
SDev	.014	.061	.003	.002
%RSD	1.277	5.901	.3438	.2136

#1	1.076	1.076	1.003	1.018
#2	1.087	.9827	1.009	1.021
#3	1.098	.9827	1.011	1.023
#4	1.108	1.099	1.010	1.023

Analysis Report

01/07/02 10:08:02 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/07/02 10:06:18

Comment:

Mode: CONC, Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0094	.0265	.0007	.0004	.0001	.0016
%RSD	117.8	142.4	154.4	50.71	77.12	31.91	54.69

#1	.0000	<.0000	.0070	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0006	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0026	<.0000	<.0000	<.0000	<.0000
#4	.0000	.0006	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0021	.0023	.0009	.0031	.3894	.0032
%RSD	217.4	511.2	71.06	30.79	153.6	42.86	21.29

#1	.0005	.0012	<.0000	<.0000	.0004	<.0000	<.0000
#2	.0017	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0005	.0012	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	<.0000	<.0000	.0036	<.0000	.0167	.0745
SDev	.0006	.0037	.0118	.0027	.0223	.0272	.0639
%RSD	55040.	95.88	130.2	76.51	238.1	162.9	85.85

#1	.0008	<.0000	<.0000	.0057	<.0000	.0167	.1218
#2	.0000	<.0000	.0010	.0029	<.0000	.0500	.0677
#3	<.0000	<.0000	<.0000	.0057	.0047	<.0000	<.0000
#4	.0000	<.0000	.0010	.0000	.0047	.0167	.1218

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0162	<.0000	<.0000	.0006
SDev	.0357	.0611	.0010	.0011
%RSD	219.9	38.97	75.05	188.1

#1	.0081	<.0000	<.0000	.0014
#2	.0189	<.0000	<.0000	.0006
#3	<.0000	<.0000	<.0000	<.0000
#4	.0622	<.0000	<.0000	.0014

Analysis Report

01/07/02 10:10:22 AM

page 1

Method: IEQW Sample Name: lfb

Operator: it

Run Time: 01/07/02 10:08:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0156	.2390	.2617	.2597	.2595	.0506	<.0000
SDev	.0011	.0108	.0548	.0036	.0004	.0002	.0016
%RSD	6.969	4.511	20.93	1.394	.1578	.3589	53.59

#1	.0161	.2302	.2157	.2553	.2592	.0506	<.0000
#2	.0156	.2379	.2571	.2582	.2599	.0505	<.0000
#3	.0166	.2545	.3398	.2617	.2592	.0508	<.0000
#4	.0141	.2335	.2341	.2635	.2599	.0505	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1060	.1061	.2541	.2540	.2686	<.0000	<.0000
SDev	.0017	.0018	.0023	.0010	.0045	.3621	.0118
%RSD	1.618	1.674	.9146	.3938	1.681	15.20	24.26

#1	.1072	.1067	.2516	.2538	.2686	<.0000	<.0000
#2	.1035	.1047	.2526	.2530	.2718	<.0000	<.0000
#3	.1072	.1083	.2555	.2554	.2718	<.0000	<.0000
#4	.1060	.1046	.2565	.2538	.2622	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2636	.0942	<.0000	.2734	.2258	.2741	.2627
SDev	.0010	.0037	.0200	.0032	.0159	.0500	.0808
%RSD	.3639	3.909	829.1	1.159	7.057	18.24	30.76

#1	.2645	.0913	<.0000	.2745	.2059	.2158	.2831
#2	.2623	.0913	<.0000	.2745	.2386	.3157	.3642
#3	.2638	.0990	<.0000	.2759	.2199	.2490	.2288
#4	.2638	.0951	.0276	.2688	.2386	.3157	.1748

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1473	.2316	.0994	.2662
SDev	.0155	.1098	.0016	.0023
%RSD	10.52	47.39	1.662	.8653

#1	.1487	.3129	.0984	.2637
#2	.1271	.2200	.1005	.2653
#3	.1648	.0806	.1012	.2691
#4	.1487	.3129	.0977	.2668

Analysis Report

01/07/02 10:12:45 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 01/07/02 10:11:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0012	.0112	.0392	.0005	.0000	.0000	.0015
%RSD	52.90	92.29	131.6	29.92	.0417	.0000	92.48

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0256	<.0000	<.0000	<.0000	.0001
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0006	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0005	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0016	.0012	.0012	.0040	.0479	.0062
%RSD	192.2	330.0	32.40	27.27	100.2	4.652	29.21

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0001	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0005	.0026	<.0000	<.0000	.0020	<.0000	<.0000
#4	<.0000	.0005	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	.0018	<.0000	.0000	.0880
SDev	.0004	.0019	.0100	.0082	.0204	.0193	.1091
%RSD	116.0	25.08	58.45	457.7	248.7	48470.	123.9

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0167	<.0000
#2	.0000	<.0000	<.0000	.0057	<.0000	.0167	.1760
#3	.0000	<.0000	<.0000	.0114	.0187	<.0000	.1489
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0947

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0298	<.0000	<.0000	.0012
SDev	.0132	.0402	.0008	.0013
%RSD	44.47	57.80	51.41	113.6

#1	.0460	<.0000	<.0000	.0006
#2	.0190	<.0000	<.0000	<.0000
#3	.0352	<.0000	<.0000	.0029
#4	.0189	<.0000	<.0000	.0014

Analysis Report

01/07/02 10:23:52 AM

page 1

Method: IECW Sample Name: 29668

Operator: it

Run Time: 01/07/02 10:22:08

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0086	.0633	.0118	.0285	<.0000	25.54
SDev	.0010	.0095	.0712	.0020	.0003	.0001	.15
%RSD	193.8	110.9	112.5	16.72	1.196	11.00	.5787

#1	<.0000	<.0000	.1487	.0115	.0283	<.0000	25.56
#2	<.0000	.0081	<.0000	.0138	.0283	<.0000	25.47
#3	<.0000	.0070	.0195	.0092	.0283	<.0000	25.40
#4	.0006	.0213	.0930	.0126	.0290	<.0000	25.74

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0015	.0047	.0851	1.094	8.468
SDev	.0015	.0008	.0008	.0014	.0013	.421	.046
%RSD	363.4	157.5	55.86	29.17	1.533	38.49	.5411

#1	<.0000	<.0000	.0012	.0043	.0835	.6953	8.458
#2	<.0000	<.0000	.0012	.0043	.0867	.7694	8.485
#3	<.0000	<.0000	.0008	.0035	.0851	1.400	8.410
#4	.0019	.0005	.0027	.0067	.0850	1.511	8.519

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0672	<.0000	27.84	.0122	<.0000	<.0000	.1109
SDev	.0011	.0000	.08	.0052	.0123	.0084	.0866
%RSD	1.607	.0841	.2999	42.84	95.55	150.9	78.11

#1	.0664	<.0000	27.90	.0179	<.0000	<.0000	<.0000
#2	.0664	<.0000	27.84	.0065	.0047	<.0000	.1447
#3	.0687	<.0000	27.73	.0093	<.0000	<.0000	.1718
#4	.0672	<.0000	27.91	.0150	<.0000	<.0000	.1447

Elem	Si2831	Tl1908	V_2924	Zn2138
Avge	1.904	.0559	<.0000	.0017
SDev	.011	.1348	.0009	.0009
%RSD	.5862	241.0	399.6	53.41

#1	1.916	.1604	<.0000	.0009
#2	1.889	<.0000	<.0000	.0024
#3	1.905	.1141	.0001	.0024
#4	1.905	.0907	.0008	.0009

Analysis Report

01/07/02 10:34:59 AM

page 1

Method: IECW Sample Name: 29668lab dup

Operator: it

Run Time: 01/07/02 10:33:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0072 <i>bio</i>	.0852	.0124	.0289 <i>285</i>	<.0000	25.41 <i>25.54</i>
SDev	.0012	.0111	.0192	.0032	.0003	.0001	.09
%RSD	344.0	153.3	22.58	25.45	1.215	10.00	.3481
#1	.0011	.0213	.0977	.0098	.0291	<.0000	25.34
#2	<.0000	<.0000	.0565	.0161	.0290	<.0000	25.53
#3	.0016	.0092	.0932	.0098	.0291	<.0000	25.40
#4	<.0000	.0037	.0933	.0138	.0284	<.0000	25.35
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	.0007	.0011 <i>15</i>	.0051 <i>47</i>	.0863 <i>851</i>	1.455	8.447 <i>8468</i>
SDev	.0012	.0008	.0009	.0006	.0042	.254	.039
%RSD	338.7	122.6	84.06	12.71	4.849	17.47	.4628
#1	<.0000	.0013	.0018	.0059	.0819	1.548	8.397
#2	.0012	.0004	<.0000	.0051	.0898	1.214	8.492
#3	.0013	.0014	.0012	.0051	.0899	1.771	8.454
#4	.0000	<.0000	.0017	.0043	.0835	1.289	8.444
Elem	Mn ^{II} 2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0664 <i>672</i>	<.0000	27.79 <i>2784</i>	.0118 <i>122</i>	<.0000	.0153	.0771
SDev	.0006	.0022	.13	.0029	.0117	.0304	.0271
%RSD	.9360	30.47	.4685	24.86	66.63	199.0	35.10
#1	.0664	<.0000	27.70	.0093	<.0000	<.0000	.0635
#2	.0664	<.0000	27.99	.0150	<.0000	.0486	.0636
#3	.0672	<.0000	27.73	.0093	<.0000	<.0000	.1177
#4	.0657	<.0000	27.75	.0136	<.0000	.0320	.0636
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.924	.0792	.0008	.0024 <i>17</i>			
SDev	.019	.0445	.0010	.0000			
%RSD	.9621	56.15	120.0	.0578			
#1	1.948	.1141	.0015	.0024			
#2	1.916	.1139	.0015	.0024			
#3	1.905	.0675	.0008	.0024			
#4	1.927	.0211	<.0000	.0024			

Analysis Report

01/07/02 10:42:52 AM

page 1

Method: IECW Sample Name: 29668spk

Operator: it

Run Time: 01/07/02 10:41:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0189	.2709	.3398	.2691	.2773	.0497	24.91
SDev	.0010	.0104	.0400	.0014	.0010	.0002	.10
%RSD	5.504	3.835	11.77	.5245	.3803	.3980	.3955

#1	.0177	.2786	.3201	.2708	.2785	.0498	24.95
#2	.0182	.2598	.3295	.2691	.2764	.0495	24.87
#3	.0197	.2643	.3986	.2673	.2764	.0495	24.80
#4	.0197	.2808	.3108	.2691	.2778	.0499	25.03

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1037	.1051	.2494	.2480	.3450	.9827	8.268
SDev	.0023	.0015	.0027	.0010	.0008	.2149	.036
%RSD	2.239	1.450	1.102	.4132	.2270	21.87	.4353

#1	.1055	.1060	.2466	.2492	.3454	1.214	8.312
#2	.1031	.1039	.2500	.2468	.3454	.6953	8.268
#3	.1055	.1037	.2481	.2476	.3438	.9919	8.224
#4	.1007	.1068	.2529	.2484	.3454	1.029	8.268

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3205	.0984	27.25	.2714	.2316	.2310	.3804
SDev	.0011	.0054	.15	.0065	.0140	.0451	.0600
%RSD	.3561	5.530	.5357	2.411	6.064	19.52	15.78

#1	.3211	.0984	27.46	.2638	.2199	.2643	.4142
#2	.3211	.0907	27.22	.2796	.2199	.1644	.4413
#3	.3188	.1023	27.22	.2696	.2480	.2477	.3602
#4	.3211	.1023	27.11	.2724	.2386	.2477	.3060

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.063	.2065	.1009	.2579
SDev	.012	.0805	.0010	.0020
%RSD	.5782	38.98	1.031	.7721

#1	2.078	.0903	.1015	.2586
#2	2.067	.2297	.1001	.2556
#3	2.057	.2763	.1001	.2571
#4	2.051	.2297	.1022	.2602

Analysis Report

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Method: IECW Sample Name: 29137

Run Time: 01/07/02 10:43:25

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0328	.0072	.0261	<.0000	19.53
SDev	.0015	.0052	.0750	.0017	.0000	.0001	.08
%RSD	63.71	50.22	228.5	22.86	.0328	11.00	.3859

#1	<.0000	<.0000	.1318	.0068	.0261	<.0000	19.61
#2	<.0000	<.0000	<.0000	.0051	.0262	<.0000	19.43
#3	<.0000	<.0000	.0490	.0086	.0261	<.0000	19.56
#4	<.0000	<.0000	<.0000	.0085	.0261	<.0000	19.51

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	<.0000	.0080	.0527	<.0000	6.141
SDev	.0022	.0009	.0016	.0010	.0022	.1927	.047
%RSD	284.1	66.02	89.78	12.74	4.269	109.4	.7722

#1	<.0000	<.0000	<.0000	.0092	.0527	<.0000	6.173
#2	<.0000	<.0000	<.0000	.0077	.0512	.0649	6.071
#3	.0020	<.0000	<.0000	.0084	.0511	<.0000	6.166
#4	.0032	<.0000	.0000	.0069	.0559	<.0000	6.156

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0205	<.0000	21.71	.0099	<.0000	.0115	.0783
SDev	.0008	.0019	.06	.0023	.0155	.0343	.0812
%RSD	3.706	45.28	.2677	23.49	101.6	297.4	103.7

#1	.0209	<.0000	21.79	.0099	<.0000	<.0000	.0106
#2	.0193	<.0000	21.66	.0071	<.0000	.0490	.1730
#3	.0209	<.0000	21.68	.0099	<.0000	<.0000	.0106
#4	.0209	<.0000	21.73	.0128	<.0000	.0324	.1189

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.661	.0365	<.0000	.0022
SDev	.022	.0401	.0010	.0008
%RSD	1.299	110.1	51.44	35.56

#1	1.650	.0480	<.0000	.0010
#2	1.650	<.0000	<.0000	.0026
#3	1.693	.0713	<.0000	.0026
#4	1.650	.0481	<.0000	.0026

Analysis Report

01/07/02 10:47:51 AM

page 1

Method: IECW Sample Name: 29669

Operator: it

Run Time: 01/07/02 10:46:07

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0072	.0001	.0143	<.0000	6.326
SDev	.0009	.0010	.0522	.0017	.0004	.0001	.021
%RSD	69.69	64.67	729.1	2671.	2.493	10.00	.3258

#1	<.0000	<.0000	.0060	.0015	.0141	<.0000	6.335
#2	<.0000	<.0000	.0613	<.0000	.0141	<.0000	6.349
#3	<.0000	<.0000	<.0000	.0015	.0148	<.0000	6.317
#4	<.0000	<.0000	.0245	<.0000	.0141	<.0000	6.302

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0006	<.0000	.0068	.0210	<.0000	1.296
SDev	.0017	.0020	.0017	.0008	.0016	.2084	.012
%RSD	259.9	354.5	104.2	11.69	7.583	29.58	.8941

#1	<.0000	.0012	<.0000	.0072	.0218	<.0000	1.311
#2	.0016	<.0000	<.0000	.0056	.0218	<.0000	1.297
#3	<.0000	.0019	<.0000	.0072	.0186	<.0000	1.284
#4	<.0000	.0015	.0002	.0072	.0218	<.0000	1.290

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0214	<.0000	7.824	.0058	<.0000	.0040	.0467
SDev	.0004	.0019	.067	.0076	.0135	.0159	.0777
%RSD	1.781	32.84	.8600	132.1	88.37	402.7	166.4.

#1	.0212	<.0000	7.902	<.0000	<.0000	.0164	.0941
#2	.0212	<.0000	7.843	<.0000	<.0000	.0165	<.0000
#3	.0212	<.0000	7.740	.0154	<.0000	<.0000	.0941
#4	.0220	<.0000	7.812	.0083	<.0000	<.0000	.0670

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.034	<.0000	<.0000	.0005
SDev	.016	.1010	.0003	.0011
%RSD	1.502	1264.	31.44	224.9

#1	1.038	<.0000	<.0000	.0013
#2	1.011	.0791	<.0000	.0005
#3	1.043	.0791	<.0000	.0013
#4	1.043	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29670

Operator: it

Run Time: 01/07/02 10:48:42

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0118	.0002	.0143	<.0000	6.166
SDev	.0017	.0027	.0478	.0010	.0003	.0001	.046
%RSD	72.71	76.07	405.4	479.3	2.459	9.091	.7410
#1	<.0000	<.0000	<.0000	.0015	.0141	<.0000	6.108
#2	<.0000	<.0000	.0475	<.0000	.0141	<.0000	6.157
#3	<.0000	<.0000	.0244	<.0000	.0148	<.0000	6.217
#4	<.0000	<.0000	.0336	.0003	.0141	<.0000	6.182
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	.0002	<.0000	.0042	.0238	<.0000	1.302
SDev	.0003	.0010	.0016	.0008	.0035	.2098	.015
%RSD	18.37	485.2	48.02	18.00	14.83	22.40	1.155
#1	.0016	.0012	<.0000	.0032	.0202	<.0000	1.297
#2	.0022	<.0000	<.0000	.0040	.0218	<.0000	1.284
#3	.0022	<.0000	<.0000	.0048	.0250	<.0000	1.318
#4	.0016	.0008	<.0000	.0048	.0282	<.0000	1.311
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0218	<.0000	7.513	.0090	<.0000	<.0000	.0535
SDev	.0007	.0039	.021	.0081	.0255	.0083	.0716
%RSD	3.342	56.40	.2814	90.64	155.6	190.6	133.9
#1	.0212	<.0000	7.489	.0125	<.0000	<.0000	.1482
#2	.0212	<.0000	7.519	<.0000	<.0000	<.0000	.0129
#3	.0228	<.0000	7.538	.0054	<.0000	<.0000	<.0000
#4	.0220	<.0000	7.504	.0183	.0047	<.0000	.0670
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.025	.0384	<.0000	.0028			
SDev	.009	.0116	.0020	.0000			
%RSD	.9001	30.16	84.61	.0423			
#1	1.021	.0327	<.0000	.0028			
#2	1.027	.0327	<.0000	.0028			
#3	1.016	.0326	.0005	.0028			
#4	1.038	.0558	<.0000	.0028			

Analysis Report

01/07/02 10:52:52 AM

page 1

Method: IECW Sample Name: 29732

Operator: it

Run Time: 01/07/02 10:51:09

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0136	<.0000	6.018
SDev	.0009	.0080	.0671	.0017	.0003	.0001	.032
%RSD	34.77	133.5	7898.	328.4	2.591	9.091	.5271

#1	<.0000	.0042	.0843	<.0000	.0134	<.0000	6.009
#2	<.0000	<.0000	.0153	<.0000	.0134	<.0000	6.028
#3	<.0000	<.0000	<.0000	.0015	.0141	<.0000	6.056
#4	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.980

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0202	<.0000	1.301
SDev	.0015	.0014	.0020	.0009	.0029	.2540	.014
%RSD	155.8	78.32	94.53	19.45	14.39	22.10	1.106

#1	.0010	.0001	<.0000	<.0000	.0218	<.0000	1.284
#2	<.0000	<.0000	<.0000	<.0000	.0234	<.0000	1.311
#3	<.0000	<.0000	<.0000	<.0000	.0186	<.0000	1.314
#4	<.0000	<.0000	<.0000	<.0000	.0171	<.0000	1.294

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0201	<.0000	4.147	.0068	<.0000	<.0000	.0670
SDev	.0004	.0019	.036	.0035	.0123	.0288	.1082
%RSD	2.191	24.75	.8735	51.38	61.89	114.5	161.5

#1	.0205	<.0000	4.116	.0111	<.0000	<.0000	.2294
#2	.0205	<.0000	4.150	.0040	<.0000	<.0000	.0129
#3	.0197	<.0000	4.127	.0040	<.0000	<.0000	.0129
#4	.0197	<.0000	4.197	.0083	<.0000	<.0000	.0129

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7837	<.0000	<.0000	.0028
SDev	.1091	.1089	.0007	.0006
%RSD	13.92	790.0	36.93	22.48

#1	.7189	<.0000	<.0000	.0028
#2	.9457	<.0000	<.0000	.0036
#3	.7512	<.0000	<.0000	.0020
#4	.7188	.1488	<.0000	.0028

Analysis Report

01/07/02 10:58:52 AM

page 1

Method: IECW Sample Name: 29733

Operator: it

Run Time: 01/07/02 10:57:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0048	.0449	.0111	.0287	<.0000	25.31
SDev	.0019	.0077	.0355	.0010	.0004	.0001	.13
%RSD	111.9	161.0	79.05	8.873	1.405	11.00	.5046

#1	<.0000	.0081	.0196	.0110	.0284	<.0000	25.13
#2	<.0000	.0114	.0656	.0121	.0291	<.0000	25.41
#3	.0001	.0059	.0841	.0115	.0291	<.0000	25.29
#4	<.0000	<.0000	.0105	.0098	.0283	<.0000	25.39

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0001	.0010	<.0000	.0556	.7602	8.438
SDev	.0009	.0008	.0006	.0012	.0016	.2127	.049
%RSD	114.1	1413.	63.83	31.10	2.832	27.99	.5798

#1	.0013	.0011	.0013	<.0000	.0532	.7694	8.370
#2	.0000	.0002	.0003	<.0000	.0563	.7324	8.485
#3	.0019	<.0000	.0017	<.0000	.0563	1.029	8.454
#4	.0000	<.0000	.0008	<.0000	.0563	.5099	8.444

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0430	<.0000	27.63	.0061	<.0000	.0070	.1245
SDev	.0007	.0058	.18	.0058	.0047	.0167	.1045
%RSD	1.695	131.1	.6649	94.32	39.96	238.6	83.97

#1	.0428	<.0000	27.45	.0093	<.0000	.0153	.2260
#2	.0436	.0023	27.60	.0122	<.0000	.0153	.1177
#3	.0436	<.0000	27.58	<.0000	<.0000	<.0000	<.0000
#4	.0421	<.0000	27.89	.0036	<.0000	.0153	.1719

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.644	.0850	<.0000	.0005
SDev	.017	.0835	.0007	.0015
%RSD	1.015	98.20	76.02	283.9

#1	1.630	.1606	<.0000	.0009
#2	1.646	<.0000	.0001	.0024
#3	1.635	.1373	<.0000	<.0000
#4	1.667	.0676	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 29734
 Run Time: 01/07/02 11:00:59
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0020	.0094	.0015	.0130	<.0000	6.055
SDev	.0013	.0076	.0727	.0021	.0004	.0000	.025
%RSD	107.7	384.8	771.0	135.9	3.132	.0000	.4076

#1	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	6.029
#2	<.0000	.0086	<.0000	.0004	.0134	<.0000	6.038
#3	<.0000	.0042	.1166	.0015	.0127	<.0000	6.077
#4	<.0000	.0042	<.0000	.0044	.0134	<.0000	6.075

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0018	.0012	<.0000	<.0000	.0238	<.0000	1.280
SDev	.0010	.0020	.0010	.0005	.0015	.4144	.017
%RSD	55.95	168.2	61.58	10.62	6.420	44.71	1.316

#1	.0004	<.0000	<.0000	<.0000	.0234	<.0000	1.260
#2	.0028	.0026	<.0000	.0000	.0250	<.0000	1.290
#3	.0022	.0028	<.0000	<.0000	.0250	<.0000	1.274
#4	.0016	.0008	<.0000	<.0000	.0218	<.0000	1.297

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0222	<.0000	4.111	.0111	<.0000	<.0000	.0738
SDev	.0007	.0050	.019	.0023	.0177	.0167	.0894
%RSD	3.287	167.1	.4542	21.01	100.6	194.9	121.2

#1	.0212	<.0000	4.117	.0140	<.0000	<.0000	.0129
#2	.0228	<.0000	4.089	.0111	<.0000	<.0000	.1211
#3	.0228	.0028	4.133	.0083	<.0000	<.0000	<.0000
#4	.0220	<.0000	4.104	.0111	<.0000	.0164	.1753

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8134	.0501	<.0000	.0011
SDev	.0179	.0955	.0007	.0007
%RSD	2.199	190.7	54.37	69.31

#1	.7945	.1720	<.0000	.0013
#2	.8107	<.0000	<.0000	.0005
#3	.8107	<.0000	<.0000	.0020
#4	.8377	.0791	<.0000	.0005

Analysis Report

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page 1

Method: IECW Sample Name: 29781

Operator: it

Run Time: 01/07/02 11:04:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0001	<.0000	.0009	.0136	<.0000	6.060
SDev	.0013	.0051	.0433	.0012	.0003	.0001	.025
%RSD	59.21	9831.	1337.	124.2	2.596	11.00	.4164

#1	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	6.060
#2	<.0000	.0064	<.0000	.0015	.0134	<.0000	6.034
#3	<.0000	<.0000	.0613	.0015	.0134	<.0000	6.052
#4	<.0000	.0020	<.0000	.0015	.0141	<.0000	6.095

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	<.0000	<.0000	.0246	<.0000	1.301
SDev	.0012	.0014	.0018	.0010	.0033	.2988	.020
%RSD	167.4	155.2	67.39	20.07	13.39	30.40	1.506

#1	.0016	<.0000	<.0000	<.0000	.0218	<.0000	1.324
#2	.0016	.0008	<.0000	<.0000	.0266	<.0000	1.277
#3	<.0000	<.0000	<.0000	<.0000	.0282	<.0000	1.297
#4	.0004	<.0000	<.0000	<.0000	.0218	<.0000	1.304

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0224	<.0000	7.557	.0125	<.0000	<.0000	.0805
SDev	.0004	.0037	.033	.0083	.0140	.0136	.0518
%RSD	1.968	62.85	.4405	65.83	66.66	6399.	64.33

#1	.0228	<.0000	7.571	.0140	<.0000	<.0000	.1211
#2	.0228	<.0000	7.516	.0226	<.0000	.0164	.1211
#3	.0220	<.0000	7.548	.0025	<.0000	<.0000	.0129
#4	.0220	<.0000	7.594	.0111	<.0000	<.0000	.0670

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.066	<.0000	<.0000	.0001
SDev	.016	.0722	.0012	.0010
%RSD	1.457	100.5	156.5	983.0

#1	1.054	<.0000	<.0000	.0013
#2	1.070	<.0000	.0005	.0005
#3	1.054	.0326	<.0000	<.0000
#4	1.086	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29782

Operator: it

Run Time: 01/07/02 11:06:19

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0061	.0324	<.0000	.0134	<.0000	6.046
SDev	.0010	.0092	.0703	.0011	.0000	.0000	.020
%RSD	106.1	150.3	216.7	116.0	.0169	.0000	.3310

#1	<.0000	<.0000	.0476	<.0000	.0134	<.0000	6.054
#2	.0004	.0141	<.0000	<.0000	.0134	<.0000	6.072
#3	<.0000	.0108	.1257	<.0000	.0134	<.0000	6.032
#4	<.0000	.0064	<.0000	<.0000	.0134	<.0000	6.029

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	<.0000	<.0000	.0210	<.0000	1.298
SDev	.0022	.0027	.0011	.0006	.0048	.2816	.018
%RSD	170.7	1072.	36.96	13.74	22.79	28.39	1.355

#1	<.0000	<.0000	<.0000	<.0000	.0186	<.0000	1.297
#2	<.0000	<.0000	<.0000	<.0000	.0186	<.0000	1.311
#3	<.0000	.0040	<.0000	<.0000	.0186	<.0000	1.311
#4	.0016	.0001	<.0000	<.0000	.0282	<.0000	1.274

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0207	<.0000	7.119	.0143	.0047	<.0000	.1008
SDev	.0007	.0039	.049	.0055	.0220	.0083	.0512
%RSD	3.533	129.1	.6948	38.51	469.5	189.0	50.80

#1	.0197	<.0000	7.107	.0111	<.0000	<.0000	.0670
#2	.0212	<.0000	7.103	.0197	.0094	<.0000	.0670
#3	.0205	<.0000	7.190	.0183	.0328	<.0000	.1752
#4	.0212	<.0000	7.076	.0083	<.0000	<.0000	.0941

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.056	<.0000	<.0000	.0005
SDev	.020	.0440	.0012	.0017
%RSD	1.890	102.7	107.4	342.2

#1	1.027	<.0000	<.0000	.0005
#2	1.070	<.0000	<.0000	<.0000
#3	1.065	<.0000	.0005	<.0000
#4	1.065	<.0000	<.0000	.0028

Analysis Report

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page 1

Method: IECW Sample Name: 29783

Run Time: 01/07/02 11:10:47

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0031	.0106	.0002	.0139	<.0000	6.179
SDev	.0012	.0062	.0642	.0019	.0003	.0001	.025
%RSD	88.27	201.1	608.0	934.1	2.547	11.00	.4108

#1	<.0000	.0086	.0520	.0009	.0141	<.0000	6.214
#2	<.0000	<.0000	<.0000	.0009	.0134	<.0000	6.178
#3	<.0000	.0042	.0751	.0015	.0141	<.0000	6.154
#4	<.0000	.0053	<.0000	<.0000	.0141	<.0000	6.170

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0008	<.0000	.0144	.0326	<.0000	1.281
SDev	.0003	.0010	.0021	.0009	.0015	.3390	.008
%RSD	31.17	126.9	75.73	6.391	4.675	32.08	.6616

#1	<.0000	.0017	<.0000	.0152	.0346	<.0000	1.290
#2	<.0000	<.0000	<.0000	.0136	.0330	<.0000	1.284
#3	<.0000	.0015	<.0000	.0136	.0314	<.0000	1.270
#4	<.0000	.0001	<.0000	.0152	.0314	<.0000	1.280

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0292	<.0000	7.697	.0079	<.0000	<.0000	.0873
SDev	.0008	.0000	.038	.0041	.0027	.0166	.0406
%RSD	2.608	.0421	.4924	51.98	115.3	66.02	46.50

#1	.0289	<.0000	7.721	.0068	<.0000	<.0000	.0670
#2	.0289	<.0000	7.729	.0054	<.0000	<.0000	.0670
#3	.0289	<.0000	7.693	.0054	<.0000	<.0000	.1482
#4	.0304	<.0000	7.645	.0140	<.0000	<.0000	.0670

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.054	<.0000	<.0000	.0022
SDev	.015	.0804	.0009	.0012
%RSD	1.387	217.3	115.2	52.08

#1	1.059	.0326	<.0000	.0028
#2	1.059	<.0000	<.0000	.0005
#3	1.032	<.0000	<.0000	.0028
#4	1.065	<.0000	.0005	.0028

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/07/02 11:14:18

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	.4950	1.055	.0574	.9861	1.001	1.009	1.022
SDev	.0029	.014	.0541	.0036	.008	.004	.002
%RSD	.5900	1.297	94.15	.3622	.7697	.4449	.2351

#1	.4912	1.036	.0888	.9808	.9960	1.004	1.025
#2	.4948	1.062	.0700	.9877	1.000	1.009	1.021
#3	.4958	1.067	<.0000	.9877	.9960	1.007	1.024
#4	.4983	1.054	.0931	.9883	1.012	1.014	1.020

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.013	1.025	.9933	.9698	1.027	<.0000	.9907
SDev	.008	.002	.0025	.0073	.009	.3940	.0065
%RSD	.7872	.1481	.2521	.7554	.8836	57.44	.6557

#1	1.012	1.025	.9907	.9644	1.014	<.0000	.9924
#2	1.012	1.026	.9937	.9692	1.031	<.0000	.9856
#3	1.004	1.023	.9966	.9652	1.031	<.0000	.9856
#4	1.023	1.026	.9922	.9803	1.033	<.0000	.9992

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.012	1.032	1.030	1.051	1.038	1.004	1.029
SDev	.005	.009	.019	.019	.009	.032	.0716
%RSD	.4819	.8880	1.856	1.823	.8536	3.175	69.61

#1	1.005	1.026	1.012	1.055	1.025	.9793	.1707
#2	1.012	1.030	1.020	1.029	1.043	1.046	.0082
#3	1.015	1.026	1.056	1.075	1.039	.9792	.0893
#4	1.015	1.046	1.031	1.045	1.043	1.013	.1435

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.238	1.012	1.004	1.015
SDev	.025	.168	.003	.001
%RSD	2.047	16.59	.2670	.1297

#1	1.200	1.261	1.002	1.014
#2	1.249	.9130	1.002	1.015
#3	1.254	.9595	1.003	1.017
#4	1.249	.9130	1.008	1.014

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/07/02 11:16:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.0016	.0094	.0610	<.0000	.0000	<.0000	<.0000
SDev	.0021	.0094	.0413	.0003	.0003	.0001	.0021
%RSD	126.5	99.79	67.83	10.95	170800.	300.0	71.61

#1	.0040	.0116	.0436	<.0000	.0005	.0001	<.0000
#2	.0015	.0182	.0159	<.0000	<.0000	.0000	<.0000
#3	<.0000	<.0000	.0715	<.0000	<.0000	<.0000	<.0000
#4	.0020	.0116	.1128	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0014	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0022	.0016	.0018	.0011	.0024	.4572	.0200
%RSD	493.0	110.1	105.5	80.79	299.7	58.02	590.6

#1	.0023	.0025	.0005	.0002	.0020	<.0000	.0161
#2	<.0000	.0030	<.0000	<.0000	.0004	<.0000	.0025
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0005	.0007	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sr2068	Se1960
Avge	.0006	<.0000	.0200	.0093	<.0000	<.0000	.0609
SDev	.0004	.0037	.0119	.0079	.0221	.0167	.1404
%RSD	66.81	191.1	59.72	84.67	943.8	199.7	230.6

#1	<.0000	.0029	.0352	.0172	<.0000	<.0000	.1217
#2	.0008	<.0000	.0067	.0143	.0140	<.0000	.1217
#3	.0008	<.0000	.0162	.0000	<.0000	.0167	<.0000
#4	.0008	<.0000	.0219	.0057	.0140	<.0000	.1488

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1634	<.0000	.0000	.0002
SDev	.0120	.0955	.0007	.0008
%RSD	7.312	548.3	212400.	401.6

#1	.1701	.1045	.0005	<.0000
#2	.1594	<.0000	.0005	<.0000
#3	.1486	<.0000	<.0000	.0014
#4	.1756	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29784

Run Time: 01/07/02 11:18:41

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0026	.0285	<.0000	.0153	<.0000	7.854
SDev	.0013	.0106	.0265	.0019	.0000	.0000	.024
%RSD	67.10	416.5	92.98	783.5	.0166	.0000	.3074

#1	<.0000	.0061	.0331	<.0000	.0153	<.0000	7.872
#2	<.0000	.0017	<.0000	.0014	.0153	<.0000	7.836
#3	<.0000	.0139	.0607	.0014	.0153	<.0000	7.877
#4	<.0000	<.0000	.0241	<.0000	.0153	<.0000	7.830

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	<.0000	.0085	.0358	<.0000	1.969
SDev	.0013	.0015	.0028	.0008	.0018	.1514	.008
%RSD	1384.	372.0	183.9	8.900	5.136	12.28	.4219

#1	<.0000	.0012	.0013	.0080	.0374	<.0000	1.975
#2	.0004	.0003	<.0000	.0087	.0374	<.0000	1.975
#3	<.0000	.0019	.0003	.0095	.0343	<.0000	1.965
#4	.0016	<.0000	<.0000	.0080	.0343	<.0000	1.958

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0439	<.0000	9.169	.0149	<.0000	<.0000	.0937
SDev	.0007	.0050	.038	.0021	.0089	.0084	.0911
%RSD	1.666	164.6	.4123	14.41	151.3	65.18	97.19

#1	.0433	<.0000	9.225	.0138	<.0000	<.0000	<.0000
#2	.0433	<.0000	9.153	.0167	<.0000	<.0000	.0667
#3	.0441	.0027	9.149	.0167	<.0000	<.0000	.2020
#4	.0448	<.0000	9.147	.0124	<.0000	<.0000	.1209

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.159	<.0000	<.0000	.0028
SDev	.018	.0584	.0014	.0000
%RSD	1.541	1782.	110.3	.0407

#1	1.155	<.0000	<.0000	.0028
#2	1.139	<.0000	<.0000	.0028
#3	1.182	.0780	.0004	.0028
#4	1.161	<.0000	<.0000	.0028

Analysis Report

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page 1

Method: IECW Sample Name: 29784lab dup

Operator: it

Run Time: 01/07/02 11:20:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0034 <i>26</i>	<.0000	.0022	.0153 <i>15</i>	<.0000	7.815 <i>7854</i>
SDev	.0009	.0041	.0425	.0006	.0000	.0000	.019
%RSD	63.14	120.4	509.8	26.00	.0137	.0000	.2413
#1	<.0000	.0050	<.0000	.0025	.0153	<.0000	7.791
#2	<.0000	.0050	<.0000	.0014	.0153	<.0000	7.822
#3	<.0000	.0061	.0009	.0025	.0153	<.0000	7.836
#4	<.0000	<.0000	.0471	.0025	.0153	<.0000	7.813
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	<.0000	.0078 <i>85</i>	.0355 <i>358</i>	<.0000	1.945 <i>1964</i>
SDev	.0010	.0007	.0012	.0010	.0015	.1354	.011
%RSD	190.6	173.1	38.86	12.89	4.324	12.48	.5870
#1	<.0000	.0008	<.0000	.0064	.0375	<.0000	1.931
#2	<.0000	.0005	<.0000	.0087	.0343	<.0000	1.958
#3	<.0000	<.0000	<.0000	.0080	.0343	<.0000	1.948
#4	.0004	.0010	<.0000	.0080	.0359	<.0000	1.941
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0442 <i>459</i>	<.0000	9.121 <i>9169</i>	.0067 <i>149</i>	<.0000	<.0000	.1073
SDev	.0004	.0019	.029	.0035	.0177	.0159	.0781
%RSD	.8612	24.58	.3210	52.58	151.4	355.1	72.83
#1	.0441	<.0000	9.109	.0081	.0140	<.0000	.0126
#2	.0441	<.0000	9.145	.0038	<.0000	<.0000	.0937
#3	.0448	<.0000	9.085	.0110	<.0000	.0163	.1208
#4	.0441	<.0000	9.144	.0038	<.0000	<.0000	.2020
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.146	<.0000	<.0000	.0024 <i>26</i>			
SDev	.018	.0614	.0007	.0008			
%RSD	1.603	232.2	44.81	32.39			
#1	1.128	<.0000	<.0000	.0028			
#2	1.171	<.0000	<.0000	.0028			
#3	1.139	<.0000	<.0000	.0012			
#4	1.144	.0548	<.0000	.0028			

Analysis Report

01/07/02 11:29:24 AM

page 1

Method: IECW Sample Name: 29784spk

Operator: it

Run Time: 01/07/02 11:27:40

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0203	.2755	.3094	.2603	.2689	.0502	7.726
SDev	.0017	.0070	.0809	.0041	.0007	.0002	.042
%RSD	8.484	2.555	26.15	1.560	.2516	.4776	.5497

#1	.0180	.2656	.3291	.2653	.2690	.0501	7.687
#2	.0200	.2755	.2737	.2583	.2697	.0506	7.786
#3	.0210	.2811	.4119	.2560	.2683	.0501	7.712
#4	.0220	.2799	.2229	.2618	.2683	.0501	7.721

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K17664	Mg2790
Avge	.1052	.1090	.2528	.2594	.3013	.0000	1.926
SDev	.0021	.0019	.0024	.0012	.0015	.1951	.015
%RSD	1.996	1.754	.9625	.4595	.5057	25.35	.7808

#1	.1046	.1079	.2495	.2584	.2993	<.0000	1.907
#2	.1083	.1068	.2549	.2599	.3025	<.0000	1.921
#3	.1046	.1108	.2524	.2584	.3025	<.0000	1.935
#4	.1034	.1104	.2544	.2607	.3009	<.0000	1.941

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.3036	.0979	9.007	.2815	.2398	.2362	.3293
SDev	.0025	.0066	.037	.0065	.0302	.0369	.0777
%RSD	.8329	6.716	.4090	2.323	12.59	15.64	23.60

#1	.3040	.0950	9.039	.2883	.2105	.2487	.2820
#2	.3071	.0911	9.033	.2783	.2199	.1820	.4443
#3	.3017	.0988	8.959	.2740	.2761	.2653	.2819
#4	.3017	.1065	8.999	.2854	.2527	.2487	.3090

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.324	.2225	.1014	.2628
SDev	.009	.0667	.0012	.0027
%RSD	.6958	29.98	1.185	1.045

#1	1.312	.2167	.0997	.2651
#2	1.334	.3096	.1018	.2651
#3	1.328	.1470	.1018	.2597
#4	1.323	.2167	.1025	.2613

Analysis Report

01/07/02 11:32:12 AM

page 1

Method: IECW Sample Name: 29785

Operator: it

Run Time: 01/07/02 11:30:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0024	.0172	<.0000	9.767
SDev	.0013	.0051	.0441	.0009	.0000	.0000	.042
%RSD	57.64	104.9	195.7	39.90	.0243	.0000	.4319

#1	<.0000	<.0000	<.0000	.0024	.0172	<.0000	9.766
#2	<.0000	<.0000	.0375	.0012	.0172	<.0000	9.825
#3	<.0000	.0004	<.0000	.0035	.0172	<.0000	9.755
#4	<.0000	<.0000	<.0000	.0024	.0173	<.0000	9.724

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0008	<.0000	.0071	.0363	<.0000	2.664
SDev	.0006	.0016	.0015	.0006	.0028	.2894	.012
%RSD	133.6	201.0	47.08	9.138	7.622	24.39	.4409

#1	<.0000	.0026	<.0000	.0079	.0387	<.0000	2.667
#2	<.0000	.0008	<.0000	.0063	.0339	<.0000	2.674
#3	.0003	.0012	<.0000	.0071	.0387	<.0000	2.667
#4	<.0000	<.0000	<.0000	.0071	.0339	<.0000	2.647

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0343	<.0000	11.44	.0158	<.0000	<.0000	.0528
SDev	.0004	.0022	.07	.0075	.0045	.0408	.0925
%RSD	1.111	32.16	.6499	47.68	382.2	239.0	175.0

#1	.0341	<.0000	11.53	.0079	<.0000	<.0000	.0664
#2	.0349	<.0000	11.43	.0108	.0047	<.0000	.1746
#3	.0341	<.0000	11.45	.0222	<.0000	<.0000	<.0000
#4	.0341	<.0000	11.35	.0222	<.0000	.0329	.0123

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.253	<.0000	<.0000	.0023
SDev	.026	.0916	.0006	.0015
%RSD	2.064	203.6	23.75	62.91

#1	1.240	.0304	<.0000	.0012
#2	1.251	.0304	<.0000	.0043
#3	1.289	<.0000	<.0000	.0027
#4	1.230	<.0000	<.0000	.0012

Analysis Report

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page 1

Method: IECW Sample Name: 29786

Run Time: 01/07/02 11:33:02

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0143	<.0000	6.135
SDev	.0013	.0141	.0448	.0006	.0003	.0000	.022
%RSD	68.10	432.2	304.7	112.4	2.468	.0000	.3573
#1	<.0000	<.0000	.0152	.0004	.0148	<.0000	6.167
#2	<.0000	.0152	.0058	<.0000	.0141	<.0000	6.133
#3	<.0000	<.0000	.0016	<.0000	.0141	<.0000	6.126
#4	<.0000	<.0000	<.0000	<.0000	.0141	<.0000	6.116
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	.0009	<.0000	.0032	.0218	<.0000	1.302
SDev	.0011	.0003	.0019	.0006	.0026	.1555	.014
%RSD	211.7	37.30	60.54	20.09	11.96	10.75	1.073
#1	<.0000	.0005	<.0000	.0040	.0218	<.0000	1.314
#2	.0022	.0012	<.0000	.0032	.0186	<.0000	1.314
#3	<.0000	.0012	<.0000	.0024	.0218	<.0000	1.294
#4	.0004	.0008	<.0000	.0032	.0250	<.0000	1.287
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0193	<.0000	7.441	.0125	<.0000	.0040	.1076
SDev	.0004	.0022	.057	.0072	.0146	.0250	.0468
%RSD	2.277	32.47	.7648	57.39	621.4	630.9	43.51
#1	.0197	<.0000	7.521	.0054	<.0000	.0331	.1482
#2	.0189	<.0000	7.434	.0111	<.0000	<.0000	.1482
#3	.0189	<.0000	7.388	.0226	<.0000	.0165	.0671
#4	.0197	<.0000	7.421	.0111	.0187	<.0000	.0671
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.071	.0384	<.0000	.0032			
SDev	.008	.0116	.0003	.0008			
%RSD	.7547	30.25	31.47	24.18			
#1	1.075	.0326	<.0000	.0028			
#2	1.075	.0326	<.0000	.0043			
#3	1.075	.0327	<.0000	.0028			
#4	1.059	.0559	<.0000	.0028			

Analysis Report

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page 1

Method: IECW Sample Name: 29787

Operator: it

Run Time: 01/07/02 11:37:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0050	.0532	.0002	.0139	<.0000	6.068
SDev	.0015	.0055	.0434	.0014	.0003	.0001	.014
%RSD	122.2	109.8	81.67	683.8	2.538	10.00	.2278
#1	.0004	.0042	.0520	<.0000	.0141	<.0000	6.078
#2	<.0000	.0020	<.0000	<.0000	.0134	<.0000	6.057
#3	<.0000	.0130	.0842	.0021	.0141	<.0000	6.056
#4	<.0000	.0009	.0843	.0004	.0141	<.0000	6.082
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0022	<.0000	.0022	.0242	<.0000	1.278
SDev	.0013	.0024	.0022	.0008	.0048	.2065	.009
%RSD	158.9	108.4	409.1	34.03	19.76	16.50	.6981
#1	.0016	.0033	<.0000	.0032	.0282	<.0000	1.270
#2	.0022	.0023	<.0000	.0016	.0218	<.0000	1.270
#3	<.0000	<.0000	.0017	.0024	.0186	<.0000	1.284
#4	.0004	.0044	.0007	.0016	.0282	<.0000	1.287
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0222	<.0000	6.919	.0118	<.0000	<.0000	.1076
SDev	.0007	.0022	.058	.0065	.0199	.0343	.0841
%RSD	3.293	32.59	.8405	54.48	212.0	270.1	78.19
#1	.0220	<.0000	6.873	.0168	<.0000	<.0000	.1211
#2	.0228	<.0000	6.901	.0025	<.0000	.0331	<.0000
#3	.0228	<.0000	6.897	.0154	.0140	<.0000	.1752
#4	.0212	<.0000	7.004	.0125	<.0000	<.0000	.1482
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.054	<.0000	<.0000	.0022			
SDev	.008	.1871	.0006	.0007			
%RSD	.7264	2348.	60.86	33.22			
#1	1.059	<.0000	<.0000	.0013			
#2	1.059	<.0000	<.0000	.0020			
#3	1.054	<.0000	<.0000	.0028			
#4	1.043	.2649	<.0000	.0028			

Analysis Report

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page 1

Method: IECW Sample Name: 29789
 Run Time: 01/07/02 11:40:51
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0038	<.0000	.0132	<.0000	5.999
SDev	.0010	.0067	.0242	.0014	.0003	.0001	.017
%RSD	52.30	73.91	634.3	103.4	2.678	10.00	.2833

#1	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	5.998
#2	<.0000	<.0000	.0245	<.0000	.0134	<.0000	6.021
#3	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.980
#4	<.0000	<.0000	.0245	.0004	.0134	<.0000	5.997

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0207	<.0000	1.269
SDev	.0017	.0020	.0014	.0006	.0015	.1021	.011
%RSD	724.1	267.5	43.14	16.54	7.413	6.480	.8828

#1	.0022	<.0000	<.0000	<.0000	.0219	<.0000	1.263
#2	.0004	.0019	<.0000	<.0000	.0202	<.0000	1.280
#3	<.0000	<.0000	<.0000	<.0000	.0187	<.0000	1.277
#4	.0004	<.0000	<.0000	<.0000	.0219	<.0000	1.257

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0180	<.0000	4.145	.0075	<.0000	<.0000	.0806
SDev	.0004	.0048	.039	.0041	.0111	.0096	.0716
%RSD	2.116	123.3	.9312	54.68	158.7	112.9	88.82

#1	.0182	<.0000	4.176	.0025	<.0000	<.0000	<.0000
#2	.0182	<.0000	4.180	.0068	<.0000	<.0000	.1482
#3	.0182	<.0000	4.108	.0125	<.0000	<.0000	.1212
#4	.0174	.0028	4.116	.0083	<.0000	<.0000	.0671

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7783	<.0000	<.0000	.0011
SDev	.0187	.0670	.0013	.0016
%RSD	2.403	138.0	104.2	148.9

#1	.7513	<.0000	<.0000	.0013
#2	.7945	.0327	.0005	.0013
#3	.7837	<.0000	<.0000	.0028
#4	.7837	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29790

Operator: it

Run Time: 01/07/02 11:43:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0164	<.0000	.0127	<.0000	6.004
SDev	.0013	.0132	.0695	.0006	.0000	.0001	.042
%RSD	45.95	229.4	422.3	115.1	.0361	11.00	.7059

#1	<.0000	<.0000	.0429	<.0000	.0127	<.0000	6.005
#2	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	5.962
#3	<.0000	.0108	.0980	<.0000	.0127	<.0000	6.062
#4	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	5.988

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0191	<.0000	1.274
SDev	.0015	.0011	.0020	.0004	.0024	.1851	.012
%RSD	414.2	102.1	73.36	8.077	12.60	10.40	.9473

#1	<.0000	<.0000	<.0000	<.0000	.0171	<.0000	1.280
#2	.0016	<.0000	.0002	<.0000	.0219	<.0000	1.263
#3	<.0000	<.0000	<.0000	<.0000	.0170	<.0000	1.287
#4	<.0000	<.0000	<.0000	<.0000	.0203	<.0000	1.263

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0199	<.0000	4.112	.0147	<.0000	.0123	.0197
SDev	.0010	.0019	.028	.0030	.0112	.0551	.1157
%RSD	4.817	48.80	.6872	20.25	158.7	447.6	587.3

#1	.0197	<.0000	4.106	.0140	<.0000	<.0000	.0670
#2	.0189	<.0000	4.091	.0183	.0047	.0665	.1483
#3	.0212	<.0000	4.154	.0154	<.0000	<.0000	<.0000
#4	.0197	<.0000	4.098	.0111	<.0000	.0498	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8013	<.0000	<.0000	.0007
SDev	.0270	.0348	.0007	.0016
%RSD	3.363	64.02	26.69	233.1

#1	.8053	<.0000	<.0000	.0028
#2	.7783	<.0000	<.0000	<.0000
#3	.8377	<.0000	<.0000	.0005
#4	.7837	<.0000	<.0000	.0005

Analysis Report

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page 1

Method: IECW Sample Name: 29791

Operator: it

Run Time: 01/07/02 11:47:41

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0314	.0120	.0282	<.0000	24.88
SDev	.0013	.0081	.0627	.0011	.0003	.0001	.09
%RSD	109.7	130.8	199.8	9.188	1.235	11.11	.3570
#1	.0006	.0059	<.0000	.0104	.0284	<.0000	25.00
#2	<.0000	<.0000	.0983	.0122	.0277	<.0000	24.79
#3	<.0000	<.0000	.0567	.0127	.0284	<.0000	24.90
#4	<.0000	<.0000	.0199	.0128	.0284	<.0000	24.84
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0002	<.0000	<.0000	.0516	.0834	8.281
SDev	.0009	.0020	.0011	.0008	.0029	.1499	.037
%RSD	112.8	830.8	427.9	16.47	5.631	179.6	.4448
#1	.0000	.0009	.0013	<.0000	.0548	.2132	8.315
#2	.0013	<.0000	<.0000	<.0000	.0485	<.0000	8.271
#3	.0019	.0022	<.0000	<.0000	.0500	.2132	8.305
#4	.0001	.0004	<.0000	<.0000	.0533	<.0000	8.234
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0409	<.0000	27.21	.0187	<.0000	<.0000	.0976
SDev	.0008	.0077	.10	.0027	.0167	.0000	.0512
%RSD	1.858	144.0	.3516	14.67	118.6	2.174	52.54
#1	.0421	<.0000	27.18	.0208	<.0000	<.0000	.0637
#2	.0405	<.0000	27.35	.0151	<.0000	<.0000	.1720
#3	.0405	<.0000	27.15	.0179	<.0000	<.0000	.0637
#4	.0405	.0062	27.17	.0208	<.0000	<.0000	.0908
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.614	.0679	<.0000	.0007			
SDev	.015	.0985	.0016	.0013			
%RSD	.9036	145.1	4596.	182.3			
#1	1.635	.1607	.0022	.0025			
#2	1.608	.0215	.0001	.0009			
#3	1.608	<.0000	<.0000	.0001			
#4	1.603	.1376	<.0000	<.0000			

Analysis Report

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page 1

Method: IECW Sample Name: 29925

Operator: it

Run Time: 01/07/02 11:51:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0023	.0267	.0001	.0134	<.0000	6.042
SDev	.0011	.0046	.0350	.0010	.0000	.0001	.011
%RSD	75.37	204.4	131.0	1479.	.0098	10.00	.1786

#1	<.0000	.0009	.0613	<.0000	.0134	<.0000	6.041
#2	<.0000	.0020	.0013	.0015	.0134	<.0000	6.041
#3	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	6.031
#4	<.0000	.0086	.0520	<.0000	.0134	<.0000	6.057

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	<.0000	<.0000	.0064	.0238	<.0000	1.283
SDev	.0003	.0013	.0014	.0006	.0035	.4307	.018
%RSD	17.26	447.8	59.15	10.12	14.83	27.01	1.405

#1	.0016	<.0000	<.0000	.0064	.0187	<.0000	1.257
#2	.0016	.0015	<.0000	.0072	.0250	<.0000	1.297
#3	.0016	<.0000	<.0000	.0056	.0266	<.0000	1.290
#4	.0022	<.0000	<.0000	.0064	.0250	<.0000	1.287

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0209	<.0000	6.658	.0125	<.0000	<.0000	.1482
SDev	.0004	.0049	.054	.0086	.0197	.0136	.0585
%RSD	2.114	123.1	.8084	68.98	280.1	6301.	39.44

#1	.0212	.0028	6.680	.0083	<.0000	<.0000	.0670
#2	.0212	<.0000	6.597	.0240	<.0000	<.0000	.1482
#3	.0205	<.0000	6.635	.0140	.0140	<.0000	.2023
#4	.0205	<.0000	6.720	.0040	<.0000	.0164	.1752

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.050	.0211	<.0000	.0043
SDev	.023	.0553	.0007	.0011
%RSD	2.196	262.6	162.1	25.13

#1	1.021	.0559	<.0000	.0059
#2	1.059	<.0000	<.0000	.0036
#3	1.075	.0559	<.0000	.0043
#4	1.043	.0326	.0005	.0036

Analysis Report

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page 1

Method: IECW Sample Name: 29926

Run Time: 01/07/02 11:54:31

Comment:

Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0094	<.0000	.0011	.0143	<.0000	6.168
SDev	.0021	.0073	.0315	.0013	.0003	.0001	.026
%RSD	130.3	77.88	183.4	119.4	2.466	11.00	.4147
#1	<.0000	.0053	<.0000	.0004	.0141	<.0000	6.140
#2	<.0000	.0185	<.0000	.0015	.0148	<.0000	6.201
#3	<.0000	.0020	.0244	<.0000	.0141	<.0000	6.160
#4	.0009	.0119	<.0000	.0027	.0141	<.0000	6.170
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0010	<.0000	.0316	.0262	<.0000	1.288
SDev	.0015	.0018	.0017	.0008	.0020	.2506	.014
%RSD	2382.	182.7	55.98	2.404	7.652	15.81	1.125
#1	.0004	.0001	<.0000	.0311	.0234	<.0000	1.294
#2	<.0000	.0037	<.0000	.0318	.0282	<.0000	1.304
#3	.0016	<.0000	<.0000	.0311	.0266	<.0000	1.270
#4	<.0000	.0006	<.0000	.0326	.0266	<.0000	1.284
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	<.0000	7.259	.0204	<.0000	<.0000	.1076
SDev	.0004	.0049	.042	.0085	.0388	.0215	.0518
%RSD	1.554	49.87	.5851	41.85	276.1	251.0	48.19
#1	.0243	<.0000	7.322	.0283	<.0000	.0164	.1753
#2	.0250	<.0000	7.240	.0083	<.0000	<.0000	.0669
#3	.0243	<.0000	7.228	.0226	<.0000	<.0000	.1211
#4	.0243	<.0000	7.245	.0226	.0328	<.0000	.0670
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.059	.0036	<.0000	.0109			
SDev	.021	.0639	.0003	.0010			
%RSD	1.952	1768.	31.41	9.140			
#1	1.054	.0326	<.0000	.0097			
#2	1.075	.0790	<.0000	.0105			
#3	1.032	<.0000	<.0000	.0121			
#4	1.075	<.0000	<.0000	.0113			

Analysis Report

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page 1

Method: IECW Sample Name: 29927

Operator: it

Run Time: 01/07/02 11:56:37

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0036	.0334	.0076	.0225	<.0000	13.48
SDev	.0010	.0046	.0331	.0021	.0000	.0000	.03
%RSD	2913.	128.8	99.19	27.44	.0133	.0000	.2194

#1	.0013	.0053	.0403	.0106	.0225	<.0000	13.52
#2	.0003	.0031	.0772	.0071	.0225	<.0000	13.48
#3	<.0000	.0086	.0126	.0066	.0225	<.0000	13.47
#4	<.0000	<.0000	.0035	.0060	.0225	<.0000	13.45

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	.0011	<.0000	.0213	.0148	<.0000	5.179
SDev	.0013	.0009	.0017	.0006	.0008	.2316	.013
%RSD	71.95	77.32	145.3	3.044	5.380	22.50	.2472

#1	.0032	.0018	<.0000	.0221	.0152	<.0000	5.176
#2	.0026	.0008	.0007	.0213	.0152	<.0000	5.193
#3	.0014	.0018	<.0000	.0205	.0136	<.0000	5.183
#4	.0002	.0001	<.0000	.0213	.0153	<.0000	5.163

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0149	<.0000	23.70	.0205	<.0000	<.0000	.0923
SDev	.0006	.0050	.12	.0065	.0145	.0360	.0699
%RSD	4.187	154.2	.5059	31.88	247.5	4390.	75.73

#1	.0141	<.0000	23.78	.0130	.0140	<.0000	.1193
#2	.0149	<.0000	23.65	.0187	<.0000	.0325	.0111
#3	.0156	<.0000	23.56	.0287	<.0000	.0158	.1734
#4	.0149	.0026	23.82	.0216	<.0000	<.0000	.0652

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	4.607	.0962	.0005	.0055
SDev	.012	.0600	.0020	.0004
%RSD	.2536	62.31	435.0	6.972

#1	4.607	.0266	.0017	.0057
#2	4.591	.1659	.0010	.0050
#3	4.618	.0730	.0017	.0057
#4	4.612	.1195	<.0000	.0057

Analysis Report

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page 1

Method: IECW Sample Name: ipc
 Run Time: 01/07/02 11:59:15
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4975	1.076	.0583	.9831	.9936	1.013	1.042
SDev	.0020	.009	.0205	.0095	.0026	.003	.004
%RSD	.4089	.8040	35.15	.9654	.2636	.3101	.4205

#1	.4958	1.067	.0837	.9796	.9932	1.012	1.044
#2	.4978	1.078	.0651	.9802	.9939	1.013	1.044
#3	.4963	1.071	.0376	.9756	.9904	1.009	1.036
#4	.5003	1.087	.0466	.9970	.9968	1.016	1.046

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.012	1.027	.9978	.9646	1.029	<.0000	1.033
SDev	.007	.006	.0018	.0027	.006	.2394	.010
%RSD	.7340	.5511	.1807	.2805	.6268	83.29	.9284

#1	1.015	1.025	.9975	.9620	1.033	<.0000	1.040
#2	1.001	1.031	1.0000	.9644	1.028	<.0000	1.033
#3	1.017	1.019	.9956	.9636	1.020	<.0000	1.020
#4	1.014	1.030	.9980	.9684	1.034	<.0000	1.040

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.013	1.038	1.062	1.062	1.040	.9959	.0893
SDev	.003	.022	.026	.004	.030	.0577	.0584
%RSD	.3338	2.163	2.431	.4166	2.879	5.793	65.44

#1	1.009	1.061	1.033	1.065	1.015	.9126	.1164
#2	1.014	1.042	1.092	1.066	1.020	1.013	.0893
#3	1.011	1.007	1.073	1.062	1.081	1.013	.0081
#4	1.017	1.042	1.050	1.056	1.043	1.046	.1434

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.324	1.029	1.004	1.019
SDev	.008	.089	.003	.003
%RSD	.5758	8.642	.2986	.3301

#1	1.324	1.052	1.004	1.018
#2	1.330	1.145	1.003	1.017
#3	1.314	.9594	1.002	1.017
#4	1.330	.9594	1.009	1.024

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 01/07/02 12:01:20
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0054	.0262	.0123	<.0000	.0005	.0001	.0043
SDev	.0005	.0062	.0688	.0021	.0006	.0002	.0010
%RSD	8.906	23.66	558.0	94.83	109.2	172.8	23.41

#1	.0060	.0315	<.0000	<.0000	.0012	.0004	.0039
#2	.0050	.0315	.0157	<.0000	.0005	.0001	.0049
#3	.0055	.0226	<.0000	<.0000	.0005	<.0000	.0054
#4	.0050	.0193	.1080	<.0000	<.0000	.0000	.0031

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0020	.0054	.0006	.0016	<.0000	<.0000	.0297
SDev	.0018	.0013	.0007	.0008	.0026	.3905	.0055
%RSD	88.90	23.40	122.6	47.90	216.0	110.9	18.67

#1	.0017	.0044	<.0000	.0010	<.0000	<.0000	.0297
#2	.0023	.0053	.0015	.0010	.0020	<.0000	.0297
#3	<.0000	.0073	.0010	.0026	<.0000	.0278	.0365
#4	.0041	.0048	<.0000	.0018	<.0000	<.0000	.0229

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0008	.0038	.0585	.0164	.0222	.0416	.1082
SDev	.0000	.0037	.0117	.0053	.0140	.0289	.0349
%RSD	.0454	96.25	19.94	32.16	62.89	69.42	32.28

#1	.0008	.0029	.0580	.0129	.0281	.0166	.1487
#2	.0008	<.0000	.0732	.0114	.0187	.0665	.1217
#3	.0008	.0067	.0447	.0186	.0374	.0166	.0946
#4	.0008	.0067	.0580	.0229	.0047	.0666	.0676

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2323	<.0000	.0036	.0015
SDev	.0185	.0440	.0007	.0012
%RSD	7.943	151.1	19.04	75.11

#1	.2241	<.0000	.0033	.0029
#2	.2566	<.0000	.0047	.0006
#3	.2349	<.0000	.0033	.0021
#4	.2134	.0348	.0033	.0006