

NYC sampler.

3/8/02 IT

B 112

55TD

IPC+CB

LPB+LRB

2334+pub+spk

2335

2336

2337

2338

2339

2340

2380

2381

2382

IPC+CB

2384+pub+spk

2385

2386

2453

2454

2458

2456

2457

2458

2459

IPC+CB

x ipr B 112 91.8

spk $\frac{3.938 \times 50}{.1121} = 1756.5$

pub $\frac{3.945 \times 50}{.1105} = 1785$

5590 <

5591 <

5592 .234X50 = 11.6

5593 <

5594 <

IPC(CCB)+CCB

x ipr B 112 100

spk $\frac{3.820 \times 50}{.1013} = 1915$

pub $\frac{3.96 \times 50}{.1033} = 1916$

5789 $\frac{.5412 \times 50}{.4375} = 61.8$

5790 $3.664 \times 50 = 183.2$

over →

Reviewed by,
JB 5/8/02

Standardization Rpt.

03/08/02 10:28:08 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 03/08/02 10:26:25

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	2.204	7.043	9.646	.6840	.1920	.3565	6.764
SDev	.007	.012	.080	.0107	.0000	.0010	.017
%RSD	.3175	.1743	.8251	1.566	.0000	.2805	.2559

#1	2.202	7.034	9.588	.6720	.1920	.3560	6.748
#2	2.208	7.060	9.696	.6840	.1920	.3580	6.768
#3	2.212	7.034	9.568	.6980	.1920	.3560	6.786
#4	2.196	7.044	9.730	.6820	.1920	.3560	6.752

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.8050	8.878	2.233	.9750	.0655	6.438	2.662
SDev	.0035	.028	.015	.0020	.0066	.006	.013
%RSD	.4303	.3129	.6602	.2051	10.09	.0892	.5034

#1	.8100	8.838	2.232	.9720	.0660	6.436	2.666
#2	.8040	8.892	2.252	.9760	.0740	6.446	2.676
#3	.8020	8.900	2.232	.9760	.0640	6.434	2.664
#4	.8040	8.884	2.216	.9760	.0580	6.434	2.644

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2150	1.383	2.807	1.265	3.422	1.247	2.037
SDev	.0035	.008	.029	.006	.015	.012	.016
%RSD	1.611	.5963	1.037	.4543	.4348	.9473	.7745

#1	.2120	1.376	2.780	1.264	3.418	1.232	2.048
#2	.2140	1.392	2.788	1.264	3.414	1.252	2.044
#3	.2200	1.376	2.844	1.258	3.444	1.260	2.044
#4	.2140	1.388	2.816	1.272	3.412	1.246	2.014

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9505	1.203	1.303	1.059
SDev	.0044	.018	.004	.005
%RSD	.4666	1.527	.2939	.4965

#1	.9520	1.184	1.300	1.064
#2	.9460	1.202	1.308	1.054
#3	.9560	1.228	1.300	1.056
#4	.9480	1.198	1.304	1.064

Standardization Rpt.

03/08/02 10:29:54 AM

page 1

Method: IECW Standard: STD6
Run Time: 03/08/02 10:28:32



Elem	Ag3280
Avge	37.74
SDev	.15
%RSD	.3880

#1	37.94
#2	37.59
#3	37.73
#4	37.69

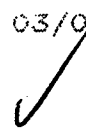
Standardization Rpt.

03/08/02 10:34:32 AM

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Method: IECW Standard: STD3

Run Time: 03/08/02 10:32:49



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	24.49	238.1	18.25	35.04	9.493	33.37	8.161
SDev	.09	1.2	.10	.32	.047	.24	.030
%RSD	.3872	.4966	.5470	.9104	.4972	.7177	.3659

#1	24.44	237.5	18.20	34.73	9.474	33.21	8.146
#2	24.38	236.8	18.15	34.79	9.436	33.12	8.130
#3	24.58	239.4	18.38	35.31	9.528	33.62	8.172
#4	24.56	238.8	18.29	35.32	9.536	33.51	8.198

Elem	Tl1908
Avge	14.30
SDev	.13
%RSD	.9379

#1	14.34
#2	14.10
#3	14.39
#4	14.36

Standardization Rpt.

03/08/02 10:37:17 AM

page 1

Method: IECW Standard: STD4

Run Time: 03/08/02 10:35:54

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	85.03	60.59	59.72	13.86	5.966
SDev	.39	.23	.34	.07	.029
%RSD	.4596	.3850	.5700	.4958	.4798
#1	84.50	60.27	59.26	13.77	5.924
#2	85.42	60.56	59.69	13.94	5.980
#3	85.00	60.79	60.05	13.87	5.976
#4	85.21	60.74	59.89	13.88	5.986

Standardization Rpt..

03/08/02 10:47:46 AM

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Method: IECW Standard: STD2

Run Time: 03/08/02 10:46:23

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	13.85	96.40	78.53	250.4	21.55	10.17	10.51
SDev	.06	.49	.33	1.5	.07	.02	.03
%RSD	.4280	.5110	.4153	.5837	.3376	.1543	.3233

#1	13.93	97.13	78.96	252.6	21.64	10.19	10.56
#2	13.84	96.26	78.52	250.1	21.56	10.15	10.52
#3	13.84	96.10	78.47	249.9	21.53	10.17	10.49
#4	13.78	96.10	78.16	249.2	21.46	10.17	10.49

Elem	Mn2576	Pb2203	Zn2138
Avge	34.95	16.82	117.9
SDev	.20	.07	.4
%RSD	.5752	.4124	.3496

#1	35.23	16.92	118.5
#2	34.93	16.77	118.0
#3	34.85	16.80	117.8
#4	34.77	16.77	117.5

Standardization Rpt.

03/08/02 10:49:46 AM

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Method: IECW Standard: STD5
Run Time: 03/08/02 10:48:24

Elem	V_2924
Avge	30.68
SDev	.09
%RSD	.2960

#1	30.60
#2	30.81
#3	30.65
#4	30.67

Analysis Report

03/08/02 11:26:39 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 03/08/02 11:24:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4975	1.049	.0109	.9984	1.007	1.001	1.027
SDev	.0031	.011	.0193	.0080	.005	.004	.006
%RSD	.6160	1.059	176.3	.8035	.4824	.3561	.5696

#1	.4999	1.052	<.0000	1.004	1.011	1.004	1.034
#2	.4931	1.033	<.0000	.9918	1.006	.9978	1.021
#3	.4976	1.057	.0348	.9912	1.001	.9987	1.024
#4	.4993	1.055	.0180	1.007	1.011	1.004	1.027

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.015	1.021	1.007	.9818	1.025	<.0000	1.022
SDev	.005	.006	.008	.0036	.005	.7450	.010
%RSD	.4658	.6034	.7762	.3664	.4873	76.61	.9663

#1	1.021	1.026	1.015	.9862	1.031	<.0000	1.031
#2	1.015	1.013	.9984	.9784	1.020	<.0000	1.008
#3	1.014	1.018	1.002	.9793	1.021	<.0000	1.021
#4	1.010	1.026	1.011	.9832	1.026	<.0000	1.026

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.015	.9906	1.022	1.031	1.025	1.013	.0516
SDev	.004	.0073	.041	.005	.015	.016	.0471
%RSD	.4281	.7330	3.989	.4485	1.481	1.583	91.19

#1	1.020	.9889	1.056	1.025	1.020	.9996	.0795
#2	1.011	.9812	.9778	1.035	1.005	1.029	<.0000
#3	1.012	.9943	1.056	1.030	1.035	.9996	.0525
#4	1.017	.9979	.9959	1.034	1.038	1.026	.0896

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9963	1.043	.9977	1.021
SDev	.0101	.024	.0056	.005
%RSD	1.010	2.294	.5587	.5200

#1	.9983	1.043	1.005	1.023
#2	.9823	1.076	.9933	1.015
#3	.9983	1.035	.9933	1.018
#4	1.006	1.020	.9994	1.027

Analysis Report

03/08/02 11:28:38 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 03/08/02 11:26:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0069	<.0000	.0008	.0007	<.0000	<.0000
SDev	.0006	.0049	.0125	.0013	.0008	.0003	.0021
%RSD	65.98	71.20	53.13	152.1	115.6	660.8	341.7

#1	<.0000	.0055	<.0000	.0010	<.0000	.0003	<.0000
#2	<.0000	.0009	<.0000	<.0000	.0015	<.0000	<.0000
#3	<.0000	.0124	<.0000	.0017	.0015	<.0000	.0013
#4	<.0000	.0089	<.0000	.0017	<.0000	<.0000	.0002

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0002	.0049	.2328	.0026
SDev	.0006	.0009	.0015	.0009	.0033	.5319	.0128
%RSD	107.9	152.9	843.8	383.3	66.32	228.4	500.3

#1	.0003	<.0000	<.0000	.0015	.0041	.4657	.0089
#2	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#3	<.0000	<.0000	.0004	.0005	.0041	.8492	.0089
#4	<.0000	.0004	.0015	<.0000	.0096	<.0000	.0089

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0012	.0430	.0017	.0037	.0080	.0139
SDev	.0005	.0066	.0188	.0018	.0156	.0175	.0208
%RSD	67990.	552.2	43.63	104.6	417.7	219.4	149.8

#1	<.0000	.0079	.0521	.0022	.0079	.0247	.0207
#2	.0000	.0055	.0219	.0028	<.0000	<.0000	.0207
#3	.0006	<.0000	.0641	.0028	.0049	.0072	<.0000
#4	<.0000	<.0000	.0340	<.0000	.0199	.0160	.0308

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0010	.0046	<.0000	<.0000
SDev	.0101	.0188	.0013	.0004
%RSD	1010.	410.6	118300.	61.51

#1	<.0000	.0126	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	.0150	.0080	.0017	<.0000
#4	<.0000	.0202	.0003	<.0000

Analysis Report

03/08/02 11:39:07 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 03/08/02 11:37:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0110	.2453	.2639	.2568	.2520	.0495	.0136
SDev	.0022	.0050	.0172	.0024	.0012	.0003	.0012
%RSD	20.24	2.046	6.503	.9140	.4748	.5547	8.657

#1	.0128	.2502	.2883	.2550	.2520	.0495	.0125
#2	.0117	.2410	.2584	.2546	.2520	.0495	.0129
#3	.0077	.2410	.2605	.2593	.2535	.0499	.0138
#4	.0117	.2490	.2482	.2583	.2505	.0492	.0152

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1058	.1039	.2570	.2529	.2592	<.0000	<.0000
SDev	.0013	.0010	.0006	.0023	.0059	.1814	.0064
%RSD	1.192	.9760	.2464	.9089	2.271	24.05	36.85

#1	.1073	.1032	.2563	.2546	.2592	<.0000	<.0000
#2	.1058	.1037	.2574	.2527	.2526	<.0000	<.0000
#3	.1042	.1054	.2567	.2546	.2669	<.0000	<.0000
#4	.1058	.1034	.2577	.2498	.2581	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2579	.0972	.1125	.2584	.2510	.2424	.2468
SDev	.0031	.0039	.0529	.0008	.0185	.0301	.0208
%RSD	1.216	3.957	47.05	.3115	7.379	12.43	8.424

#1	.2581	.0915	.1193	.2581	.2465	.2176	.2273
#2	.2558	.0999	.0891	.2594	.2270	.2555	.2612
#3	.2622	.0993	.0589	.2575	.2615	.2788	.2307
#4	.2553	.0981	.1827	.2587	.2690	.2176	.2680

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1871	.2687	.0992	.2609
SDev	.0162	.0177	.0009	.0011
%RSD	8.638	6.583	.8639	.4235

#1	.1731	.2902	.1001	.2615
#2	.1891	.2473	.0994	.2617
#3	.1771	.2657	.0994	.2612
#4	.2091	.2718	.0980	.2593

Analysis Report

03/08/02 11:42:01 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 03/08/02 11:40:16

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0025	.0160	.0172	.0018	.0008	.0000	.0018
%RSD	60.00	47.49	191.2	198.2	115.8	33.33	24.81

#1	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
#3	<.0000	<.0000	.0069	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0044	.0012	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0015	.0010	.0013	.0012	.0013	.4411	.0127
%RSD	108.3	37.34	37.95	27.96	35.61	86.16	43.19

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

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0054	.0416	.0050	.0111	.0186	.0178
%RSD	100.2	164.6	689.7	105.9	63.10	88.55	103.2

#1	<.0000	.0030	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0001	<.0000	.0499	<.0000	<.0000	<.0000	.0081
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0011	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0104	<.0000	<.0000
SDev	.0105	.0171	.0012	.0009
%RSD	58.59	163.9	45.67	95.54

#1	<.0000	.0242	<.0000	.0002
#2	<.0000	.0196	<.0000	<.0000
#3	<.0000	.0120	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

03/08/02 11:44:03 AM

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Method: IECW Sample Name: 2334

Operator: it

Run Time: 03/08/02 11:42:19

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0038	.0125	<.0000	6.536
SDev	.0010	.0066	.0209	.0015	.0000	.0000	.037
%RSD	15.83	29.90	430.4	40.23	.0327	25.00	.5680

#1	<.0000	<.0000	.0175	.0018	.0125	<.0000	6.497
#2	<.0000	<.0000	.0011	.0048	.0125	<.0000	6.512
#3	<.0000	<.0000	<.0000	.0034	.0125	<.0000	6.561
#4	<.0000	<.0000	<.0000	.0051	.0125	<.0000	6.574

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0290	<.0000	1.423
SDev	.0011	.0020	.0012	.0005	.0014	.3612	.018
%RSD	60.87	62.37	40.43	10.71	4.878	65.38	1.266

#1	<.0000	<.0000	<.0000	<.0000	.0295	<.0000	1.418
#2	<.0000	<.0000	<.0000	<.0000	.0273	<.0000	1.403
#3	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.423
#4	<.0000	<.0000	<.0000	<.0000	.0306	<.0000	1.446

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0239	<.0000	8.320	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0030	.042	.0016	.0062	.0104	.0201
%RSD	2.407	28.30	.4998	22.69	27.50	40.72	62.79

#1	.0231	<.0000	8.301	<.0000	<.0000	<.0000	<.0000
#2	.0242	<.0000	8.271	<.0000	<.0000	<.0000	<.0000
#3	.0242	<.0000	8.347	<.0000	<.0000	<.0000	<.0000
#4	.0242	<.0000	8.362	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9289	.0118	<.0000	<.0000
SDev	.0250	.0241	.0006	.0006
%RSD	2.688	203.9	26.30	48.49

#1	.9029	.0371	<.0000	<.0000
#2	.9230	<.0000	<.0000	<.0000
#3	.9269	.0080	<.0000	<.0000
#4	.9629	.0217	<.0000	<.0000

Analysis Report

03/08/02 11:45:59 AM

page 1

Method: IECW Sample Name: 2334dup

Operator: it

Run Time: 03/08/02 11:44:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0029	.0118	<.0000	6.543
SD	.0012	.0119	.0123	.0018	.0008	.0001	.019
%RSD	17.64	37.13	184.7	61.83	7.183	36.29	.2910

#1	<.0000	<.0000	<.0000	.0044	.0111	<.0000	6.563
#2	<.0000	<.0000	<.0000	.0044	.0125	<.0000	6.533
#3	<.0000	<.0000	.0032	.0021	.0111	<.0000	6.556
#4	<.0000	<.0000	.0007	.0008	.0125	<.0000	6.522

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0262	<.0000	1.419
SD	.0010	.0019	.0021	.0015	.0024	.2885	.013
%RSD	87.26	46.18	52.27	29.04	9.048	35.69	.8893

#1	<.0000	<.0000	<.0000	<.0000	.0273	<.0000	1.434
#2	<.0000	<.0000	<.0000	<.0000	.0262	<.0000	1.421
#3	<.0000	<.0000	<.0000	<.0000	.0229	<.0000	1.403
#4	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.421

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0235	<.0000	8.341	<.0000	<.0000	<.0000	<.0000
SD	.0010	.0006	.029	.0027	.0174	.0143	.0193
%RSD	4.184	6.454	.3512	88.02	81.55	34.86	48.12

#1	.0248	<.0000	8.359	<.0000	<.0000	<.0000	<.0000
#2	.0231	<.0000	8.362	<.0000	<.0000	<.0000	<.0000
#3	.0225	<.0000	8.298	<.0000	<.0000	<.0000	<.0000
#4	.0236	<.0000	8.344	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.9149	.0045	<.0000	<.0000
SD	.0056	.0076	.0010	.0010
%RSD	.6174	168.6	34.47	87.57

#1	.9229	<.0000	<.0000	<.0000
#2	.9109	.0157	<.0000	<.0000
#3	.9150	.0004	<.0000	<.0000
#4	.9109	.0034	<.0000	<.0000

Analysis Report

05/08/02 11:54:49 AM

page 1

Method: IECW Sample Name: 2354spk

Operator: it

Run Time: 05/08/02 11:53:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0088	.2421	.2534	.2623	.2649	.0494	6.482
SDev	.0026	.0077	.0204	.0019	.0014	.0002	.026
%RSD	30.13	3.193	8.062	.7316	.5286	.4054	.3972

#1	.0110	.2447	.2565	.2639	.2660	.0494	6.483
#2	.0110	.2505	.2493	.2596	.2643	.0495	6.487
#3	.0071	.2413	.2292	.2626	.2631	.0491	6.448
#4	.0060	.2320	.2787	.2632	.2660	.0495	6.510

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1023	.1015	.2507	.2508	.2870	.0000	1.439
SDev	.0013	.0021	.0022	.0015	.0029	.5893	.016
%RSD	1.272	2.083	.8663	.5817	1.006	67.29	1.137

#1	.1026	.1041	.2534	.2516	.2845	<.0000	1.451
#2	.1039	.0990	.2481	.2525	.2900	<.0000	1.449
#3	.1008	.1011	.2502	.2496	.2846	<.0000	1.416
#4	.1019	.1016	.2513	.2496	.2889	<.0000	1.441

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2779	.0893	8.335	.2540	.2307	.2138	.2478
SDev	.0017	.0054	.071	.0066	.0076	.0210	.0269
%RSD	.5981	6.067	.8568	2.607	3.292	9.839	10.84

#1	.2793	.0914	8.371	.2540	.2405	.2320	.2571
#2	.2765	.0932	8.347	.2621	.2255	.2319	.2808
#3	.2765	.0914	8.232	.2540	.2240	.1970	.2334
#4	.2793	.0813	8.392	.2459	.2330	.1941	.2198

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.077	.2675	.0976	.2580
SDev	.012	.0074	.0023	.0015
%RSD	1.113	2.780	2.384	.5785

#1	1.091	.2785	.1007	.2592
#2	1.067	.2632	.0966	.2561
#3	1.067	.2648	.0979	.2575
#4	1.083	.2632	.0952	.2592

Analysis Report

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Method: IECW Sample Name: 2335

Operator: it

Run Time: 03/08/02 11:55:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0041	.0125	<.0000	6.494
SDev	.0024	.0170	.0131	.0014	.0012	.0001	.004
%RSD	47.04	83.29	152.7	33.25	9.538	95.74	.0686

#1	<.0000	<.0000	.0038	.0021	.0140	<.0000	6.498
#2	<.0000	<.0000	<.0000	.0051	.0125	<.0000	6.490
#3	<.0000	<.0000	.0011	.0044	.0125	<.0000	6.498
#4	<.0000	<.0000	<.0000	.0048	.0111	<.0000	6.490

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0290	<.0000	1.427
SDev	.0009	.0038	.0022	.0032	.0026	.4687	.010
%RSD	43.95	198.4	112.0	79.35	9.025	56.12	.7231

#1	<.0000	.0024	<.0000	<.0000	.0306	<.0000	1.421
#2	<.0000	<.0000	<.0000	<.0000	.0295	<.0000	1.426
#3	<.0000	<.0000	.0007	<.0000	.0306	<.0000	1.441
#4	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.418

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0228	<.0000	7.846	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0016	.030	.0043	.0068	.0183	.0327
%RSD	4.382	30.48	.3818	160.8	69.96	130.7	177.2

#1	.0242	<.0000	7.839	<.0000	<.0000	.0027	.0142
#2	.0219	<.0000	7.848	<.0000	<.0000	<.0000	<.0000
#3	.0225	<.0000	7.812	.0026	<.0000	<.0000	<.0000
#4	.0225	<.0000	7.884	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8959	<.0000	<.0000	<.0000
SDev	.0089	.0181	.0003	.0006
%RSD	.9908	573.2	17.53	90.37

#1	.8989	<.0000	<.0000	.0001
#2	.8829	.0218	<.0000	<.0000
#3	.8989	<.0000	<.0000	<.0000
#4	.9029	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 2336

Operator: it

Run Time: 03/08/02 11:57:41

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0193	.0054	.0165	<.0000	10.59
SDev	.0025	.0195	.0064	.0013	.0012	.0000	.07
%RSD	41.65	57.38	32.98	23.98	7.224	33.33	.6458

#1	<.0000	<.0000	.0119	.0034	.0165	<.0000	10.52
#2	<.0000	<.0000	.0168	.0058	.0165	<.0000	10.66
#3	<.0000	<.0000	.0267	.0061	.0180	<.0000	10.63
#4	<.0000	<.0000	.0220	.0061	.0150	<.0000	10.53

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0014	.0397	<.0000	2.906
SDev	.0016	.0015	.0007	.0018	.0009	.3333	.025
%RSD	128.6	32.45	23.76	123.5	2.266	74.97	.8520

#1	<.0000	<.0000	<.0000	.0005	.0397	<.0000	2.879
#2	<.0000	<.0000	<.0000	.0034	.0386	<.0000	2.933
#3	.0006	<.0000	<.0000	.0024	.0408	.0539	2.920
#4	<.0000	<.0000	<.0000	<.0000	.0397	<.0000	2.892

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0402	<.0000	12.46	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0050	.04	.0018	.0258	.0154	.0148
%RSD	2.339	71.42	.3588	22.73	73.13	56.47	216.7

#1	.0402	<.0000	12.49	<.0000	<.0000	<.0000	<.0000
#2	.0391	<.0000	12.50	<.0000	<.0000	<.0000	.0067
#3	.0414	<.0000	12.42	<.0000	<.0000	<.0000	.0050
#4	.0402	<.0000	12.42	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.094	.0083	<.0000	<.0000
SDev	.023	.0129	.0026	.0009
%RSD	2.121	155.4	97.65	404.7

#1	1.104	.0256	<.0000	<.0000
#2	1.100	.0101	<.0000	.0011
#3	1.112	.0010	<.0000	<.0000
#4	1.060	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2337

Operator: it

Run Time: 03/08/02 12:01:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0176	.0030	.0135	<.0000	7.793
SDev	.0022	.0072	.0162	.0006	.0007	.0001	.033
%RSD	39.73	34.39	92.11	20.42	5.423	32.99	.4213

#1	<.0000	<.0000	<.0000	.0037	.0124	<.0000	7.776
#2	<.0000	<.0000	.0138	.0033	.0139	<.0000	7.792
#3	<.0000	<.0000	.0275	.0027	.0139	<.0000	7.839
#4	<.0000	<.0000	.0326	.0023	.0139	<.0000	7.765

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0081	.0405	<.0000	1.901
SDev	.0003	.0021	.0009	.0015	.0028	.6009	.019
%RSD	155.3	51.77	35.94	18.06	6.799	89.20	1.016

#1	<.0000	<.0000	<.0000	.0093	.0392	<.0000	1.915
#2	<.0000	<.0000	<.0000	.0073	.0392	<.0000	1.902
#3	.0002	<.0000	<.0000	.0093	.0391	.1078	1.915
#4	<.0000	<.0000	<.0000	.0064	.0447	<.0000	1.874

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0354	<.0000	9.037	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0035	.080	.0076	.0134	.0139	.0204
%RSD	2.816	42.39	.8825	441.7	62.86	67.25	96.23

#1	.0345	<.0000	8.992	<.0000	<.0000	<.0000	.0004
#2	.0363	<.0000	9.050	.0087	<.0000	<.0000	<.0000
#3	.0363	<.0000	9.144	<.0000	<.0000	<.0000	<.0000
#4	.0345	<.0000	8.962	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9841	<.0000	<.0000	.0003
SDev	.0230	.0128	.0012	.0004
%RSD	2.334	362.1	35.53	124.3

#1	.9781	.0072	<.0000	.0008
#2	.9701	<.0000	<.0000	<.0000
#3	1.018	.0026	<.0000	.0001
#4	.9701	<.0000	<.0000	.0004

Analysis Report

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page 1

Method: IECW Sample Name: 2338

Operator: it

Run Time: 03/08/02 12:06:02

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0074	.0054	.0151	<.0000	9.701
SDev	.0015	.0195	.0076	.0010	.0000	.0001	.060
%RSD	22.44	59.70	101.5	19.10	.0447	57.14	.6189

#1	<.0000	<.0000	.0002	.0055	.0151	<.0000	9.735
#2	<.0000	<.0000	.0018	.0045	.0151	<.0000	9.757
#3	<.0000	<.0000	.0153	.0049	.0151	<.0000	9.694
#4	<.0000	<.0000	.0124	.0069	.0151	<.0000	9.620

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0012	.0305	<.0000	2.612
SDev	.0010	.0008	.0022	.0017	.0011	.4583	.029
%RSD	54.02	21.04	75.12	136.5	3.620	39.56	1.124

#1	<.0000	<.0000	<.0000	.0005	.0300	<.0000	2.631
#2	<.0000	<.0000	<.0000	.0034	.0300	<.0000	2.644
#3	<.0000	<.0000	<.0000	<.0000	.0322	<.0000	2.585
#4	<.0000	<.0000	<.0000	.0015	.0300	<.0000	2.590

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0318	<.0000	11.65	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0017	.09	.0051	.0197	.0120	.0233
%RSD	.9048	25.14	.7507	249.9	83.49	33.24	70.58

#1	.0322	<.0000	11.68	<.0000	<.0000	<.0000	<.0000
#2	.0316	<.0000	11.67	.0035	.0037	<.0000	<.0000
#3	.0316	<.0000	11.71	<.0000	<.0000	<.0000	<.0000
#4	.0316	<.0000	11.52	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.068	<.0000	<.0000	<.0000
SDev	.014	.0218	.0020	.0003
%RSD	1.278	153.0	60.52	42.95

#1	1.049	<.0000	<.0000	<.0000
#2	1.073	.0060	<.0000	<.0000
#3	1.069	<.0000	<.0000	<.0000
#4	1.081	.0031	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2339

Run Time: 03/08/02 12:08:17

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0028	.0125	<.0000	6.763
SDev	.0010	.0120	.0102	.0006	.0000	.0000	.020
%RSD	13.45	37.71	2812.	22.02	.0141	25.00	.2918

#1	<.0000	<.0000	<.0000	.0021	.0125	<.0000	6.791
#2	<.0000	<.0000	.0110	.0031	.0125	<.0000	6.758
#3	<.0000	<.0000	.0033	.0024	.0125	<.0000	6.744
#4	<.0000	<.0000	<.0000	.0034	.0125	<.0000	6.760

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0265	<.0000	1.444
SDev	.0003	.0007	.0015	.0009	.0014	.1814	.010
%RSD	14.66	15.93	36.66	142.9	5.226	11.22	.6690

#1	<.0000	<.0000	<.0000	.0006	.0262	<.0000	1.441
#2	<.0000	<.0000	<.0000	<.0000	.0262	<.0000	1.434
#3	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.457
#4	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.446

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0275	<.0000	7.494	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0021	.047	.0061	.0142	.0153	.0123
%RSD	2.002	21.95	.6318	105.6	52.61	48.61	49.01

#1	.0271	<.0000	7.549	.0014	<.0000	<.0000	<.0000
#2	.0271	<.0000	7.434	<.0000	<.0000	<.0000	<.0000
#3	.0277	<.0000	7.503	<.0000	<.0000	<.0000	<.0000
#4	.0282	<.0000	7.488	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9199	<.0000	<.0000	.0005
SDev	.0060	.0098	.0012	.0001
%RSD	.6529	249.7	26.88	17.26

#1	.9269	.0003	<.0000	.0005
#2	.9149	.0064	<.0000	.0006
#3	.9149	<.0000	<.0000	.0005
#4	.9229	<.0000	<.0000	.0005

Analysis Report

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page 1

Method: IECW Sample Name: 2340

Operator: it

Run Time: 03/08/02 12:10:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0102	.0030	.0129	<.0000	6.575
SDev	.0008	.0143	.0161	.0021	.0007	.0001	.025
%RSD	13.41	65.56	157.4	68.82	5.690	63.83	.3748

#1	<.0000	<.0000	.0256	.0058	.0125	<.0000	6.580
#2	<.0000	<.0000	<.0000	.0018	.0140	<.0000	6.566
#3	<.0000	<.0000	.0096	.0011	.0125	<.0000	6.548
#4	<.0000	<.0000	.0175	.0034	.0125	<.0000	6.606

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0023	.0243	<.0000	1.429
SDev	.0010	.0010	.0018	.0009	.0023	.2390	.020
%RSD	95.98	29.68	83.18	40.98	9.334	20.63	1.421

#1	<.0000	<.0000	<.0000	.0025	.0240	<.0000	1.459
#2	<.0000	<.0000	<.0000	.0015	.0218	<.0000	1.418
#3	.0004	<.0000	<.0000	.0015	.0273	<.0000	1.423
#4	<.0000	<.0000	<.0000	.0035	.0240	<.0000	1.416

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	<.0000	7.563	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0016	.065	.0021	.0111	.0115	.0176
%RSD	4.294	21.11	.8612	27.33	54.76	42.28	202.1

#1	.0231	<.0000	7.579	<.0000	<.0000	<.0000	<.0000
#2	.0242	<.0000	7.519	<.0000	<.0000	<.0000	.0075
#3	.0219	<.0000	7.507	<.0000	<.0000	<.0000	<.0000
#4	.0225	<.0000	7.649	<.0000	<.0000	<.0000	.0023

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9279	<.0000	<.0000	.0007
SDev	.0151	.0144	.0012	.0002
%RSD	1.628	186.6	66.62	30.96

#1	.9309	<.0000	<.0000	.0005
#2	.9229	<.0000	<.0000	.0006
#3	.9109	<.0000	<.0000	.0010
#4	.9470	.0110	<.0000	.0008

Analysis Report

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page 1

Method: IECW Sample Name: 2380

Operator: it

Run Time: 03/08/02 12:12:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0049	.0008	.0118	<.0000	6.638
SDev	.0006	.0087	.0122	.0022	.0008	.0000	.008
%RSD	12.60	49.57	247.1	289.4	7.171	.0000	.1206

#1	<.0000	<.0000	<.0000	.0001	.0111	<.0000	6.636
#2	<.0000	<.0000	.0052	.0034	.0125	<.0000	6.630
#3	<.0000	<.0000	.0189	<.0000	.0111	<.0000	6.638
#4	<.0000	<.0000	.0065	.0014	.0125	<.0000	6.649

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0221	<.0000	1.394
SDev	.0007	.0003	.0003	.0000	.0061	.5926	.013
%RSD	81.69	10.80	11.81	.0059	27.68	55.68	.9657

#1	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.375
#2	<.0000	<.0000	<.0000	<.0000	.0295	<.0000	1.395
#3	<.0000	<.0000	<.0000	<.0000	.0152	<.0000	1.400
#4	<.0000	<.0000	<.0000	<.0000	.0196	<.0000	1.405

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0187	<.0000	4.827	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0026	.043	.0073	.0083	.0139	.0223
%RSD	1.774	35.03	.8823	650.9	40.44	67.53	206.7

#1	.0185	<.0000	4.805	<.0000	<.0000	<.0000	.0210
#2	.0184	<.0000	4.799	.0014	<.0000	<.0000	<.0000
#3	.0190	<.0000	4.811	.0064	<.0000	<.0000	<.0000
#4	.0190	<.0000	4.890	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6798	.0004	<.0000	<.0000
SDev	.0100	.0168	.0012	.0003
%RSD	1.469	4758.	72.67	29.78

#1	.6669	<.0000	<.0000	<.0000
#2	.6828	.0095	<.0000	<.0000
#3	.6908	<.0000	<.0000	<.0000
#4	.6788	.0187	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2381

Operator: it

Run Time: 03/08/02 12:14:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Se3130	Ca3179
Avge	<.0000	<.0000	.0045	.0019	.0118	<.0000	6.525
SDev	.0030	.0195	.0082	.0014	.0008	.0000	.029
%RSD	50.70	89.25	181.9	70.94	7.150	.0000	.4372

#1	<.0000	<.0000	<.0000	.0018	.0111	<.0000	6.509
#2	<.0000	<.0000	<.0000	.0038	.0111	<.0000	6.515
#3	<.0000	.0038	.0115	.0018	.0125	<.0000	6.568
#4	<.0000	<.0000	.0117	.0004	.0125	<.0000	6.510

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0202	<.0000	1.430
SDev	.0009	.0013	.0027	.0013	.0021	.5837	.020
%RSD	59.61	40.65	71.60	32.96	10.42	51.58	1.419

#1	<.0000	<.0000	<.0000	<.0000	.0185	<.0000	1.400
#2	<.0000	<.0000	<.0000	<.0000	.0185	<.0000	1.436
#3	<.0000	<.0000	<.0000	<.0000	.0207	<.0000	1.444
#4	<.0000	<.0000	<.0000	<.0000	.0229	<.0000	1.441

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0218	<.0000	4.855	<.0000	<.0000	<.0000	<.0000
SDev	.0011	.0027	.032	.0006	.0036	.0202	.0263
%RSD	5.013	27.83	.6612	20.77	19.81	70.75	253.9

#1	.0225	<.0000	4.848	<.0000	<.0000	<.0000	.0024
#2	.0219	<.0000	4.830	<.0000	<.0000	<.0000	<.0000
#3	.0225	<.0000	4.902	<.0000	<.0000	<.0000	.0107
#4	.0202	<.0000	4.842	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6898	.0091	<.0000	<.0000
SDev	.0168	.0134	.0020	.0005
%RSD	2.430	147.3	104.8	32.79

#1	.6788	.0280	<.0000	<.0000
#2	.6828	.0095	<.0000	<.0000
#3	.7148	.0003	.0006	<.0000
#4	.6828	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2382

Operator: it

Run Time: 03/08/02 12:18:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	<.0000	.0321	.0138	.0314	<.0000	25.47
SDev	.0010	.0113	.0100	.0013	.0007	.0000	.10
%RSD	177.7	276.3	31.06	9.772	2.322	100.00	.4039

#1	.0011	<.0000	.0395	.0136	.0325	<.0000	25.51
#2	<.0000	<.0000	.0193	.0149	.0310	<.0000	25.50
#3	.0017	.0092	.0405	.0146	.0310	<.0000	25.55
#4	.0000	<.0000	.0290	.0119	.0310	<.0000	25.32

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0016	.0030	<.0000	.0502	1.994	8.532
SDev	.0005	.0012	.0027	.0010	.0010	.245	.033
%RSD	489.9	73.91	89.45	236.0	2.062	12.29	.3860

#1	.0004	<.0000	.0021	.0001	.0510	1.994	8.574
#2	.0006	.0025	.0014	<.0000	.0499	1.724	8.523
#3	<.0000	.0021	.0070	.0001	.0510	1.940	8.536
#4	<.0000	.0020	.0015	.0001	.0489	2.317	8.495

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0705	<.0000	28.22	.0039	<.0000	<.0000	.0205
SDev	.0003	.0006	.10	.0018	.0038	.0221	.0106
%RSD	.4077	9.642	.3556	46.64	125.7	344.2	51.40

#1	.0703	<.0000	28.19	.0014	<.0000	.0016	.0141
#2	.0703	<.0000	28.28	.0058	<.0000	.0162	.0176
#3	.0709	<.0000	28.32	.0046	<.0000	<.0000	.0362
#4	.0703	<.0000	28.10	.0040	.0007	<.0000	.0142

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.499	<.0000	.0015	.0005
SDev	.006	.0092	.0017	.0001
%RSD	.3968	75.03	115.1	31.34

#1	1.506	<.0000	<.0000	.0003
#2	1.494	<.0000	.0016	.0005
#3	1.502	<.0000	.0037	.0004
#4	1.494	.0012	.0010	.0006

Analysis Report

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page 1

Method: IECW Sample Name: ipc
 Run Time: 03/08/02 12:21:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4985	1.051	.0187	.9956	1.004	1.003	1.042
SDev	.0038	.019	.0080	.0061	.007	.006	.008
%RSD	.7629	1.780	42.49	.6144	.6578	.5832	.7596
#1	.4944	1.050	.0189	.9915	1.004	.9998	1.049
#2	.4961	1.026	.0238	.9895	.9962	.9963	1.032
#3	.5017	1.071	.0259	1.002	1.012	1.010	1.047
#4	.5017	1.056	.0083	.9995	1.005	1.005	1.040
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.015	1.022	1.007	.9765	1.020	.1886	1.051
SDev	.007	.006	.006	.0078	.009	.1283	.009
%RSD	.7082	.5683	.5910	.8012	.8816	68.01	.8750
#1	1.012	1.017	1.004	.9726	1.013	.0000	1.053
#2	1.006	1.016	1.001	.9677	1.012	.2694	1.042
#3	1.020	1.027	1.015	.9852	1.030	.2155	1.063
#4	1.021	1.027	1.009	.9804	1.024	.2694	1.045
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.015	.9594	1.045	1.027	1.028	.9328	.0082
SDev	.008	.0214	.027	.009	.032	.0301	.0197
%RSD	.7690	2.234	2.600	.8736	3.082	3.225	239.0
#1	1.013	.9322	1.079	1.027	.9867	.9080	.0197
#2	1.004	.9524	1.055	1.020	1.023	.9081	.0147
#3	1.022	.9774	1.022	1.039	1.060	.9691	.0196
#4	1.019	.9756	1.025	1.021	1.044	.9459	<.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	1.004	.9966	.9993	1.016			
SDev	.016	.0202	.0073	.007			
%RSD	1.560	2.024	.7346	.6672			
#1	.9956	.9701	.9954	1.016			
#2	.9877	1.012	.9913	1.008			
#3	1.024	.9915	1.008	1.024			
#4	1.008	1.013	1.003	1.017			

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 03/08/02 12:23:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.0007	<.0000	.0166	.0026	.0000	.0009	<.0000
SDev	.0007	.0127	.0170	.0018	.0000	.0003	.0022
%RSD	103.3	1475.	102.2	67.78	165.3	32.41	323.6

#1	.0004	<.0000	.0165	.0042	.0000	.0012	<.0000
#2	.0010	<.0000	.0151	.0025	.0000	.0010	<.0000
#3	<.0000	.0023	<.0000	.0035	.0000	.0007	.0000
#4	.0015	.0150	.0382	.0002	<.0000	.0007	.0018

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0015	.0002	.0017	<.0000	<.0000	<.0000
SDev	.0011	.0012	.0015	.0011	.0060	.7600	.0141
%RSD	1693.	79.76	822.2	65.96	166.7	71.41	137.7

#1	.0003	<.0000	<.0000	.0007	.0008	<.0000	<.0000
#2	<.0000	.0018	.0016	.0027	<.0000	<.0000	<.0000
#3	.0010	.0021	<.0000	.0007	<.0000	<.0000	<.0000
#4	<.0000	.0021	.0012	.0027	<.0000	<.0000	.0064

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0010	.0335	.0008	.0011	.0082	.0007	<.0000
SDev	.0007	.0055	.0076	.0047	.0177	.0228	.0242
%RSD	73.65	16.40	996.6	434.4	214.6	3111.	190.1

#1	.0013	.0393	.0015	<.0000	<.0000	<.0000	.0098
#2	.0019	.0363	<.0000	.0005	.0277	<.0000	<.0000
#3	.0001	.0316	<.0000	.0080	<.0000	<.0000	.0064
#4	.0007	.0268	.0106	<.0000	.0187	.0349	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0050	.0022	.0006
SDev	.0060	.0102	.0009	.0007
%RSD	74.87	203.4	38.68	125.7

#1	<.0000	.0058	.0014	.0009
#2	<.0000	.0104	.0034	.0011
#3	<.0000	<.0000	.0020	.0007
#4	<.0000	.0134	.0020	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2384
 Run Time: 03/08/02 13:27:58
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0154	.0033	.0125	.0000	6.523
SDev	.0028	.0082	.0156	.0008	.0000	.0000	.015
%RSD	80.70	221.4	101.3	25.70	.0134	20e6	.2244

#1	<.0000	<.0000	.0284	.0044	.0125	<.0000	6.511
#2	<.0000	<.0000	.0077	.0024	.0125	<.0000	6.524
#3	<.0000	<.0000	<.0000	.0031	.0125	<.0000	6.514
#4	<.0000	.0072	.0285	.0031	.0125	.0001	6.544

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0191	<.0000	1.457
SDev	.0012	.0032	.0014	.0017	.0019	.4408	.005
%RSD	74.70	344.9	81.67	59.42	9.987	24.24	.3618

#1	<.0000	<.0000	<.0000	<.0000	.0185	<.0000	1.457
#2	<.0000	<.0000	<.0000	<.0000	.0218	<.0000	1.457
#3	<.0000	<.0000	<.0000	<.0000	.0174	<.0000	1.451
#4	<.0000	.0029	<.0000	<.0000	.0185	<.0000	1.464

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0226	<.0000	4.935	.0010	.0026	<.0000	.0069
SDev	.0003	.0035	.019	.0054	.0183	.0107	.0221
%RSD	1.271	85.43	.3917	524.4	505.5	50.19	319.5

#1	.0225	<.0000	4.944	.0026	.0067	<.0000	<.0000
#2	.0225	<.0000	4.956	<.0000	.0037	<.0000	.0091
#3	.0225	<.0000	4.923	.0007	<.0000	<.0000	.0362
#4	.0231	<.0000	4.914	.0070	.0157	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6837	<.0000	.0001	<.0000
SDev	.0237	.0102	.0016	.0006
%RSD	3.459	85.16	1594.	268.2

#1	.6747	<.0000	.0013	.0006
#2	.6547	<.0000	<.0000	<.0000
#3	.6987	<.0000	<.0000	<.0000
#4	.7067	<.0000	.0013	<.0000

Analysis Report

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page 1

Method: IECW

Sample Name: 2384

Operator: it

Run Time: 03/08/02 13:30:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0179	.0031	.0125	.0000	6.546
SD	.0019	.0104	.0140	.0011	.0000	.0000	.032
%RSD	84.25	125.0	78.43	36.22	.0293	20e6	.4958

#1	<.0000	<.0000	.0013	.0044	.0125	<.0000	6.517
#2	<.0000	<.0000	.0116	.0028	.0125	<.0000	6.573
#3	<.0000	<.0000	.0268	.0034	.0125	<.0000	6.518
#4	<.0000	<.0000	.0318	.0018	.0125	.0001	6.575

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0010	<.0000	<.0000	<.0000	.0196	<.0000	1.458
SD	.0026	.0011	.0021	.0012	.0009	.4473	.028
%RSD	268.7	479.8	84.69	47.18	4.592	23.89	1.903

#1	.0017	.0010	<.0000	<.0000	.0207	<.0000	1.439
#2	.0007	<.0000	<.0000	<.0000	.0196	<.0000	1.498
#3	.0038	<.0000	.0000	<.0000	.0185	<.0000	1.459
#4	<.0000	.0000	<.0000	<.0000	.0196	<.0000	1.439

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0220	<.0000	4.951	.0024	<.0000	<.0000	<.0000
SD	.0009	.0029	.039	.0027	.0126	.0056	.0321
%RSD	3.912	62.53	.7786	111.4	842.9	34.51	406.6

#1	.0213	<.0000	4.896	.0051	<.0000	<.0000	<.0000
#2	.0231	<.0000	4.975	<.0000	.0127	<.0000	.0277
#3	.0225	<.0000	4.953	.0020	.0052	<.0000	<.0000
#4	.0213	<.0000	4.981	.0039	<.0000	<.0000	.0108

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.6957	<.0000	<.0000	<.0000
SD	.0144	.0232	.0009	.0003
%RSD	2.072	182.0	214.5	157.9

#1	.7148	.0110	<.0000	<.0000
#2	.6867	<.0000	<.0000	<.0000
#3	.6827	.0033	<.0000	<.0000
#4	.6988	<.0000	.0006	.0001

Analysis Report

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page 1

Method: IECW Sample Name: 2384spk

Operator: it

Run Time: 03/08/02 13:39:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0124	.2387	.2690	.2619	.2609	.0490	6.480
SDev	.0028	.0027	.0131	.0015	.0008	.0001	.010
%RSD	22.66	1.141	4.875	.5902	.3240	.1401	.1561
#1	.0127	.2367	.2518	.2608	.2602	.0491	6.475
#2	.0093	.2367	.2667	.2633	.2616	.0490	6.484
#3	.0161	.2424	.2751	.2632	.2616	.0490	6.493
#4	.0116	.2390	.2824	.2606	.2602	.0489	6.470

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1015	.1021	.2474	.2428	.2760	.0000	1.445
SDev	.0020	.0020	.0026	.0016	.0037	.5036	.015
%RSD	1.959	1.937	1.063	.6542	1.356	28.70	1.028
#1	.1026	.1003	.2513	.2428	.2746	<.0000	1.464
#2	.1021	.1007	.2457	.2428	.2725	<.0000	1.431
#3	.1026	.1045	.2471	.2448	.2758	<.0000	1.449
#4	.0985	.1028	.2457	.2409	.2813	<.0000	1.436

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2739	.0855	4.928	.2579	.2292	.1912	.2406
SDev	.0006	.0026	.045	.0054	.0076	.0082	.0320
%RSD	.2100	3.064	.9101	2.084	3.313	4.305	13.30
#1	.2741	.0843	4.990	.2534	.2315	.1970	.2877
#2	.2730	.0884	4.884	.2534	.2180	.1796	.2182
#3	.2741	.0867	4.926	.2640	.2345	.1970	.2334
#4	.2741	.0825	4.911	.2609	.2330	.1912	.2232

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8488	.2617	.0969	.2532
SDev	.0148	.0184	.0025	.0015
%RSD	1.742	7.036	2.597	.5993
#1	.8468	.2847	.0979	.2527
#2	.8309	.2403	.0952	.2514
#3	.8668	.2571	.1000	.2541
#4	.8509	.2648	.0945	.2548

Analysis Report

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page 1

Method: IECW Sample Name: 2385

Operator: it

Run Time: 03/08/02 13:43:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0191	.0035	.0129	<.0000	6.444
SDev	.0016	.0157	.0034	.0021	.0007	.0000	.038
%RSD	50.55	107.3	17.98	58.40	5.666	100.00	.5845

#1	<.0000	<.0000	.0168	.0065	.0125	<.0000	6.428
#2	<.0000	<.0000	.0189	.0035	.0140	<.0000	6.470
#3	<.0000	<.0000	.0166	.0018	.0125	<.0000	6.479
#4	<.0000	.0061	.0240	.0024	.0125	<.0000	6.398

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0169	<.0000	1.436
SDev	.0007	.0007	.0015	.0018	.0029	.3870	.004
%RSD	172.5	34.10	52.02	75.70	17.24	17.84	.2913

#1	<.0000	<.0000	<.0000	<.0000	.0196	<.0000	1.436
#2	<.0000	<.0000	<.0000	<.0000	.0130	<.0000	1.436
#3	.0002	<.0000	<.0000	<.0000	.0163	<.0000	1.431
#4	.0002	<.0000	<.0000	<.0000	.0185	<.0000	1.441

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0222	<.0000	4.826	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0042	.075	.0031	.0080	.0211	.0080
%RSD	3.350	101.3	1.550	6609.	56.35	136.6	29.26

#1	.0225	<.0000	4.736	<.0000	<.0000	<.0000	<.0000
#2	.0213	<.0000	4.878	<.0000	<.0000	<.0000	<.0000
#3	.0231	<.0000	4.896	.0032	<.0000	<.0000	<.0000
#4	.0219	<.0000	4.793	.0020	<.0000	.0114	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6948	<.0000	<.0000	<.0000
SDev	.0182	.0199	.0018	.0007
%RSD	2.618	319.9	165.4	123.0

#1	.6828	.0156	<.0000	<.0000
#2	.6788	.0003	<.0000	<.0000
#3	.6988	<.0000	<.0000	<.0000
#4	.7188	<.0000	.0013	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2386

Operator: it

Run Time: 03/08/02 13:46:03

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0198	.0136	.0296	<.0000	25.26
SDev	.0003	.0109	.0072	.0019	.0000	.0001	.12
%RSD	5.052	34.85	36.32	14.12	.0422	76.98	.4944

#1	<.0000	<.0000	.0208	.0153	.0296	<.0000	25.28
#2	<.0000	<.0000	.0095	.0153	.0296	<.0000	25.32
#3	<.0000	<.0000	.0262	.0120	.0296	<.0000	25.08
#4	<.0000	<.0000	.0226	.0119	.0296	<.0000	25.36

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0450	<.0000	8.470
SDev	.0014	.0006	.0021	.0017	.0023	.2034	.033
%RSD	145.5	28.39	71.24	36.59	5.093	20.13	.3934

#1	.0009	<.0000	<.0000	<.0000	.0478	<.0000	8.449
#2	<.0000	<.0000	<.0000	<.0000	.0456	<.0000	8.505
#3	<.0000	<.0000	<.0000	<.0000	.0445	<.0000	8.436
#4	<.0000	<.0000	<.0000	<.0000	.0423	<.0000	8.492

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0670	<.0000	27.95	.0010	<.0000	<.0000	.0092
SDev	.0009	.0022	.17	.0075	.0111	.0060	.0230
%RSD	1.288	32.37	.5909	744.6	57.04	25.24	249.6

#1	.0675	<.0000	27.97	.0102	<.0000	<.0000	.0262
#2	.0663	<.0000	27.95	<.0000	<.0000	<.0000	.0193
#3	.0663	<.0000	27.73	<.0000	<.0000	<.0000	.0160
#4	.0680	<.0000	28.13	.0021	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.478	<.0000	<.0000	<.0000
SDev	.022	.0144	.0010	.0005
%RSD	1.482	572.5	39.20	37.94

#1	1.502	.0121	<.0000	<.0000
#2	1.490	<.0000	<.0000	<.0000
#3	1.454	.0060	<.0000	<.0000
#4	1.466	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 2453

Operator: it

Run Time: 03/08/02 13:49:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0222	.0031	.0125	<.0000	6.586
SDev	.0033	.0128	.0107	.0010	.0000	.0000	.022
%RSD	71.48	82.46	48.19	31.75	.0138	50.00	.3413

#1	<.0000	<.0000	.0179	.0021	.0125	<.0000	6.585
#2	<.0000	<.0000	.0382	.0028	.0125	<.0000	6.555
#3	.0003	<.0000	.0154	.0031	.0125	<.0000	6.594
#4	<.0000	<.0000	.0173	.0044	.0125	<.0000	6.609

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0229	<.0000	1.456
SDev	.0012	.0016	.0017	.0012	.0024	.3641	.018
%RSD	463.1	103.7	45.65	39.74	10.39	14.23	1.229

#1	<.0000	<.0000	<.0000	<.0000	.0251	<.0000	1.444
#2	<.0000	.0001	<.0000	<.0000	.0240	<.0000	1.464
#3	.0020	<.0000	<.0000	<.0000	.0196	<.0000	1.477
#4	<.0000	<.0000	<.0000	<.0000	.0229	<.0000	1.439

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	<.0000	8.348	.0021	<.0000	<.0000	<.0000
SDev	.0006	.0016	.016	.0055	.0055	.0099	.0097
%RSD	2.470	19.16	.1880	258.8	48.72	29.43	93.50

#1	.0231	<.0000	8.328	<.0000	<.0000	<.0000	.0040
#2	.0231	<.0000	8.344	.0051	<.0000	<.0000	<.0000
#3	.0231	<.0000	8.356	.0045	<.0000	<.0000	<.0000
#4	.0242	<.0000	8.365	.0051	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9349	<.0000	<.0000	<.0000
SDev	.0033	.0148	.0006	.0006
%RSD	.3522	237.2	26.32	120.8

#1	.9389	.0033	<.0000	<.0000
#2	.9349	.0048	<.0000	<.0000
#3	.9308	<.0000	<.0000	<.0000
#4	.9349	<.0000	<.0000	.0001

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Method: IECW Sample Name: 2454

Operator: it

Run Time: 03/08/02 13:52:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0145	.0040	.0125	<.0000	6.475
SDev	.0023	.0027	.0191	.0012	.0000	.0001	.036
%RSD	50.95	18.95	131.7	29.75	.0265	191.5	.5586

#1	<.0000	<.0000	.0293	.0031	.0125	.0001	6.425
#2	<.0000	<.0000	<.0000	.0048	.0125	<.0000	6.479
#3	<.0000	<.0000	.0325	.0051	.0125	<.0000	6.511
#4	<.0000	<.0000	.0003	.0028	.0125	<.0000	6.485

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0171	<.0000	1.443
SDev	.0008	.0020	.0016	.0006	.0016	.8341	.007
%RSD	74.18	86.17	67.10	14.77	9.622	33.47	.5094

#1	<.0000	.0005	<.0000	<.0000	.0185	<.0000	1.441
#2	<.0000	<.0000	<.0000	<.0000	.0163	<.0000	1.439
#3	<.0000	<.0000	<.0000	<.0000	.0152	<.0000	1.439
#4	<.0000	<.0000	<.0000	<.0000	.0185	<.0000	1.454

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	<.0000	7.711	.0046	<.0000	<.0000	<.0000
SDev	.0007	.0024	.032	.0057	.0146	.0073	.0341
%RSD	3.125	31.28	.4130	124.1	61.87	45.17	315.0

#1	.0231	<.0000	7.721	.0088	<.0000	<.0000	.0040
#2	.0242	<.0000	7.742	<.0000	<.0000	<.0000	<.0000
#3	.0231	<.0000	7.667	.0014	<.0000	<.0000	<.0000
#4	.0225	<.0000	7.712	.0101	<.0000	<.0000	.0260

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9169	<.0000	<.0000	<.0000
SDev	.0040	.0221	.0020	.0005
%RSD	.4371	133.7	94.93	70.65

#1	.9149	<.0000	<.0000	<.0000
#2	.9149	.0110	<.0000	<.0000
#3	.9229	<.0000	<.0000	<.0000
#4	.9149	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 2455

Operator: it

Run Time: 03/08/02 13:54:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0094	.0048	.0125	<.0000	6.575
SDev	.0030	.0115	.0122	.0021	.0000	.0001	.014
%RSD	73.08	133.7	129.5	43.06	.0113	95.74	.2142

#1	.0003	.0072	.0001	.0061	.0125	<.0000	6.588
#2	<.0000	<.0000	.0264	.0027	.0125	<.0000	6.561
#3	<.0000	<.0000	.0011	.0034	.0125	<.0000	6.565
#4	<.0000	<.0000	.0101	.0071	.0125	<.0000	6.586

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	<.0000	.0011	.0430	<.0000	1.432
SDev	.0012	.0021	.0031	.0017	.0039	.4092	.003
%RSD	166.9	110.2	104.9	159.8	8.953	18.75	.2309

#1	.0022	.0009	.0014	.0035	.0471	<.0000	1.431
#2	<.0000	<.0000	<.0000	.0006	.0449	<.0000	1.434
#3	<.0000	<.0000	<.0000	.0006	.0383	<.0000	1.436
#4	.0010	<.0000	<.0000	<.0000	.0416	<.0000	1.428

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	<.0000	8.931	.0060	<.0000	<.0000	<.0000
SDev	.0003	.0028	.060	.0012	.0051	.0147	.0226
%RSD	1.241	47.68	.6678	19.80	48.77	52.90	105.4

#1	.0231	<.0000	8.981	.0070	<.0000	<.0000	<.0000
#2	.0236	<.0000	8.957	.0070	<.0000	<.0000	<.0000
#3	.0231	<.0000	8.942	.0045	<.0000	<.0000	.0124
#4	.0231	<.0000	8.845	.0057	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9179	<.0000	<.0000	.0010
SDev	.0089	.0137	.0010	.0004
%RSD	.9674	430.1	174.9	42.21

#1	.9269	<.0000	<.0000	.0015
#2	.9149	<.0000	.0006	.0010
#3	.9069	.0156	<.0000	.0005
#4	.9229	<.0000	<.0000	.0011

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Method: IECW Sample Name: 2456

Operator: it

Run Time: 03/08/02 13:57:04

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0013	.0137	.0041	.0142	<.0000	7.952
SDev	.0013	.0062	.0101	.0006	.0007	.0000	.036
%RSD	46.90	486.6	73.54	14.03	5.150	.0000	.4530

#1	<.0000	<.0000	.0073	.0043	.0138	<.0000	7.930
#2	<.0000	<.0000	.0055	.0047	.0153	<.0000	7.961
#3	<.0000	.0047	.0277	.0033	.0138	<.0000	7.918
#4	<.0000	.0082	.0143	.0040	.0138	<.0000	7.998

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	.0044	.0270	<.0000	1.953
SDev	.0022	.0013	.0027	.0011	.0030	.1725	.017
%RSD	965.4	133.6	765.6	25.39	11.01	9.348	.8756

#1	<.0000	<.0000	<.0000	.0035	.0281	<.0000	1.940
#2	.0030	.0006	.0022	.0035	.0226	<.0000	1.961
#3	<.0000	<.0000	<.0000	.0054	.0281	<.0000	1.938
#4	.0009	<.0000	.0015	.0054	.0292	<.0000	1.973

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0314	<.0000	9.310	.0028	<.0000	<.0000	<.0000
SDev	.0003	.0024	.054	.0044	.0057	.0120	.0213
%RSD	1.062	47.56	.5824	159.8	502.0	54.10	2224.

#1	.0317	<.0000	9.276	<.0000	.0037	<.0000	<.0000
#2	.0317	<.0000	9.292	.0056	.0037	<.0000	.0122
#3	.0311	<.0000	9.282	.0037	<.0000	<.0000	<.0000
#4	.0311	<.0000	9.391	.0056	<.0000	<.0000	.0172

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.001	<.0000	.0002	.0007
SDev	.005	.0121	.0007	.0009
%RSD	.5057	577.6	275.5	125.9

#1	1.006	.0117	<.0000	.0009
#2	1.002	<.0000	<.0000	.0001
#3	1.002	.0041	.0013	<.0000
#4	.9940	<.0000	<.0000	.0018

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Method: IECW Sample Name: 2457

Operator: it

Run Time: 03/08/02 14:01:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0245	.0056	.0166	.0000	9.574
SDev	.0025	.0091	.0096	.0014	.0000	.0000	.037
%RSD	110.2	2240.	39.05	24.51	.0196	20e6	.3852

#1	<.0000	.0080	.0386	.0059	.0166	<.0000	9.527
#2	<.0000	.0045	.0195	.0055	.0166	.0001	9.569
#3	<.0000	<.0000	.0221	.0072	.0166	<.0000	9.586
#4	.0014	<.0000	.0178	.0039	.0166	<.0000	9.616

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0049	.0355	<.0000	2.562
SDev	.0019	.0011	.0026	.0013	.0015	.4664	.009
%RSD	228.7	135.1	179.6	25.80	4.373	23.55	.3557

#1	<.0000	<.0000	<.0000	.0044	.0344	<.0000	2.562
#2	<.0000	<.0000	<.0000	.0054	.0344	<.0000	2.557
#3	<.0000	<.0000	<.0000	.0034	.0355	<.0000	2.575
#4	.0017	.0006	.0011	.0063	.0377	<.0000	2.554

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0385	<.0000	11.40	.0064	<.0000	<.0000	<.0000
SDev	.0007	.0037	.05	.0037	.0127	.0181	.0232
%RSD	1.727	65.39	.4015	57.86	85.01	105.8	83.15

#1	.0379	<.0000	11.35	.0117	.0022	<.0000	<.0000
#2	.0391	<.0000	11.46	.0036	<.0000	<.0000	<.0000
#3	.0379	<.0000	11.41	.0061	<.0000	<.0000	<.0000
#4	.0391	<.0000	11.39	.0042	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.083	<.0000	.0004	.0005
SDev	.016	.0174	.0009	.0008
%RSD	1.494	1496.	220.7	143.1

#1	1.061	.0076	.0006	<.0000
#2	1.093	<.0000	.0012	.0011
#3	1.081	<.0000	<.0000	.0001
#4	1.097	.0184	.0006	.0013

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Method: IECW Sample Name: 2458

Operator: it

Run Time: 03/08/02 14:05:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0003	.0203	.0042	.0143	.0000	6.826
SDev	.0015	.0047	.0153	.0010	.0014	.0001	.013
%RSD	102.2	1689.	75.13	23.11	9.790	15e6	.1921

#1	.0003	<.0000	.0432	.0027	.0154	.0001	6.834
#2	<.0000	.0061	.0128	.0048	.0154	.0001	6.814
#3	<.0000	.0003	.0118	.0044	.0140	<.0000	6.815
#4	<.0000	.0003	.0134	.0048	.0125	<.0000	6.840

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	<.0000	.0052	.0325	<.0000	1.443
SDev	.0005	.0026	.0016	.0020	.0027	.4104	.023
%RSD	83.36	332.2	81.49	38.69	8.444	20.04	1.569

#1	.0012	.0018	.0003	.0074	.0361	<.0000	1.467
#2	.0010	.0009	<.0000	.0054	.0317	<.0000	1.413
#3	.0002	<.0000	<.0000	.0025	.0295	<.0000	1.451
#4	.0002	<.0000	<.0000	.0054	.0328	<.0000	1.441

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	<.0000	7.371	.0017	<.0000	<.0000	<.0000
SDev	.0003	.0016	.047	.0054	.0115	.0198	.0280
%RSD	1.362	26.52	.6414	327.0	3039.	263.7	170.7

#1	.0242	<.0000	7.392	.0057	<.0000	.0172	.0039
#2	.0248	<.0000	7.301	.0051	.0142	<.0000	<.0000
#3	.0248	<.0000	7.404	.0020	.0022	<.0000	.0039
#4	.0242	<.0000	7.389	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9429	<.0000	.0004	.0015
SDev	.0032	.0202	.0015	.0002
%RSD	.3423	272.6	343.6	16.36

#1	.9469	.0155	.0020	.0013
#2	.9390	<.0000	.0013	.0015
#3	.9429	<.0000	<.0000	.0013
#4	.9429	<.0000	<.0000	.0018

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Method: IECW Sample Name: 2459

Operator: it

Run Time: 03/08/02 14:07:28

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0089	.0084	.0041	.0136	.0000	6.727
SDev	.0026	.0101	.0097	.0014	.0014	.0001	.019
%RSD	661.8	112.7	115.4	33.93	10.32	230.9	.2764

#1	<.0000	.0084	.0154	.0044	.0125	<.0000	6.748
#2	.0026	.0199	<.0000	.0024	.0125	<.0000	6.715
#3	.0009	.0118	.0175	.0038	.0140	.0001	6.736
#4	<.0000	<.0000	.0034	.0058	.0154	.0001	6.708

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	<.0000	.0042	.0196	<.0000	1.479
SDev	.0009	.0008	.0008	.0022	.0022	.3447	.016
%RSD	84.35	218.2	436.8	51.21	11.21	28.12	1.070

#1	<.0000	<.0000	<.0000	.0015	.0185	<.0000	1.492
#2	<.0000	<.0000	<.0000	.0054	.0185	<.0000	1.462
#3	.0002	.0003	.0010	.0064	.0229	<.0000	1.492
#4	<.0000	.0015	<.0000	.0035	.0185	<.0000	1.469

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0275	<.0000	7.825	.0051	<.0000	<.0000	<.0000
SDev	.0006	.0023	.072	.0068	.0045	.0121	.0168
%RSD	2.008	38.54	.9209	134.3	79.58	134.9	50.87

#1	.0271	<.0000	7.893	<.0000	<.0000	<.0000	<.0000
#2	.0282	<.0000	7.833	.0063	<.0000	<.0000	<.0000
#3	.0271	<.0000	7.851	.0101	<.0000	<.0000	<.0000
#4	.0277	<.0000	7.724	.0088	<.0000	.0056	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9749	.0063	.0015	.0012
SDev	.0188	.0135	.0020	.0008
%RSD	1.928	213.4	133.8	60.89

#1	.9548	.0002	<.0000	.0010
#2	.9989	.0217	.0027	.0008
#3	.9788	<.0000	.0027	.0023
#4	.9669	.0125	.0020	.0008

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 03/08/02 14:10:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4919	1.032	.0331	.9925	.9925	1.004	1.022
SDev	.0025	.005	.0045	.0018	.0042	.005	.009
%RSD	.5078	.5040	13.52	.1793	.4261	.4725	.9121

#1	.4933	1.026	.0268	.9945	.9962	1.008	1.032
#2	.4910	1.033	.0360	.9912	.9889	1.002	1.022
#3	.4888	1.033	.0365	.9908	.9889	.9982	1.010
#4	.4944	1.039	.0332	.9935	.9962	1.008	1.025

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.003	1.011	.9909	.9684	1.004	<.0000	1.005
SDev	.003	.006	.0052	.0038	.007	.2885	.007
%RSD	.3212	.5919	.5260	.3880	.7391	13.39	.7318

#1	1.008	1.015	.9953	.9706	1.014	<.0000	.9938
#2	1.000	1.012	.9901	.9658	.9997	<.0000	1.009
#3	1.004	1.002	.9838	.9648	.9975	<.0000	1.007
#4	1.002	1.014	.9943	.9726	1.006	<.0000	1.009

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.004	.9474	1.050	1.022	1.000	.9387	<.0000
SDev	.008	.0172	.017	.004	.007	.0155	.0150
%RSD	.7683	1.820	1.583	.3908	.6590	1.652	120.3

#1	1.008	.9280	1.061	1.026	1.008	.9576	<.0000
#2	1.002	.9393	1.028	1.017	.9972	.9197	<.0000
#3	.9941	.9548	1.046	1.024	.9927	.9372	<.0000
#4	1.011	.9673	1.064	1.020	1.003	.9401	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9957	.9913	.9886	1.008
SDev	.0092	.0218	.0061	.005
%RSD	.9290	2.198	.6135	.4651

#1	1.004	.9595	.9934	1.011
#2	.9877	.9983	.9852	1.008
#3	.9877	1.001	.9818	1.002
#4	1.004	1.009	.9941	1.013

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 03/08/02 14:12:21
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

✓

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0015	.0043	.0009	.0008	.0011	.0008	<.0000
SDev	.0053	.0223	.0145	.0030	.0014	.0004	.0052
%RSD	341.1	515.8	1639.	393.0	127.5	48.90	778.4

#1	.0083	.0346	.0058	.0048	.0029	.0013	.0058
#2	<.0000	<.0000	<.0000	.0008	.0000	.0008	<.0000
#3	.0027	.0046	.0112	<.0000	.0015	.0007	<.0000
#4	<.0000	<.0000	.0070	<.0000	.0000	.0004	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	.0011	<.0000	.0012	<.0000	<.0000	<.0000
SDev	.0013	.0035	.0040	.0038	.0033	1.363	.0219
%RSD	95.00	310.6	578.4	309.7	54.20	124.9	683.1

#1	.0026	.0058	.0033	.0056	<.0000	.9161	.0294
#2	.0000	.0006	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0023	.0010	.0019	.0027	<.0000	<.0000	<.0000
#4	.0005	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0006	.0229	.1020	.0036	<.0000	.0058	<.0000
SDev	.0009	.0088	.0472	.0055	.0193	.0143	.0137
%RSD	149.5	38.44	46.30	154.1	286.2	245.2	92.02

#1	.0019	.0327	.1435	.0117	.0082	<.0000	.0045
#2	.0001	.0232	.1073	<.0000	<.0000	.0175	<.0000
#3	.0001	.0244	.1224	.0017	.0082	.0175	<.0000
#4	.0001	.0113	.0348	.0017	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0210	.0042	.0019	.0008
SDev	.0253	.0103	.0024	.0008
%RSD	120.3	242.8	130.5	93.04

#1	.0450	<.0000	.0054	.0019
#2	.0130	.0180	.0000	.0006
#3	.0370	.0058	.0014	.0006
#4	<.0000	<.0000	.0007	.0002