

NYC samples

3/11/02 IT

131K

551D

IPC+CB

LRB+LFB

2561+Lab Dup+spk

2562

2563

2564

2565

2566

2567

2575

2576

2577

IPC+CB

2579+Lab Dup+spk

2580

2581

2595

2596

2597

2598

2599

2600

2602

IPC+CB

LFB+LRB

4305+Dup+spk

4338

4342

4052

4056

4059

4065

4160 ALA 1-75

4162

4193

IPC+CB

Reviewed by,

JB 5/8/02

Standardization Rpt.

03/11/02 09:52:39 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 03/11/02 09:50:56

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	2.232	7.076	9.593	.6780	.1960	.3535	6.845
SDev	.010	.031	.047	.0106	.0000	.0010	.014
%RSD	.4569	.4405	.4938	1.561	.0000	.2829	.2098
#1	2.228	7.056	9.664	.6800	.1960	.3540	6.840
#2	2.232	7.078	9.568	.6920	.1960	.3540	6.854
#3	2.222	7.052	9.568	.6680	.1960	.3520	6.828
#4	2.246	7.120	9.572	.6720	.1960	.3540	6.860
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.8110	8.797	2.236	.9800	.0305	6.693	2.681
SDev	.0058	.043	.016	.0033	.0030	.011	.009
%RSD	.7119	.4860	.6944	.3333	9.836	.1644	.3472
#1	.8040	8.840	2.236	.9800	.0280	6.690	2.684
#2	.8180	8.816	2.236	.9800	.0340	6.700	2.690
#3	.8100	8.740	2.216	.9760	.0280	6.678	2.668
#4	.8120	8.792	2.254	.9840	.0320	6.702	2.682
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2145	1.378	2.826	1.245	3.391	1.226	1.987
SDev	.0019	.010	.028	.013	.024	.007	.023
%RSD	.8927	.7433	.9840	1.036	.7151	.5651	1.169
#1	.2160	1.372	2.824	1.256	3.370	1.228	1.982
#2	.2140	1.384	2.840	1.248	3.426	1.232	2.016
#3	.2160	1.368	2.788	1.226	3.384	1.228	1.960
#4	.2120	1.390	2.852	1.248	3.384	1.216	1.992
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.9695	1.223	1.321	1.037			
SDev	.0044	.018	.005	.001			
%RSD	.4574	1.435	.3579	.1113			
#1	.9680	1.242	1.320	1.038			
#2	.9740	1.228	1.324	1.038			
#3	.9640	1.220	1.314	1.036			
#4	.9720	1.200	1.324	1.036			

Standardization Rpt.

03/11/02 10:00:40 AM

page 1

Method: IECW Standard: STD6
Run Time: 03/11/02 09:59:18



Elem	Ag3280
Avge	36.93
SDev	.23
%RSD	.6230

#1	36.76
#2	36.72
#3	37.20
#4	37.04

Standardization Rpt.

03/11/02 10:03:13 AM

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Method: IECW Standard: STD3

Run Time: 03/11/02 10:01:30



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	23.94	226.8	17.44	34.02	9.370	31.42	7.845
SDev	.05	.8	.08	.24	.009	.10	.040
%RSD	.2280	.3436	.4671	.6940	.0928	.3167	.5049

#1	23.87	225.9	17.32	33.71	9.374	31.28	7.808
#2	23.97	227.5	17.50	34.02	9.372	31.52	7.862
#3	23.91	226.3	17.45	34.07	9.378	31.42	7.816
#4	24.00	227.4	17.47	34.29	9.358	31.46	7.892

Elem	Fl1908
Avge	14.41
SDev	.13
%RSD	.8730

#1	14.28
#2	14.35
#3	14.58
#4	14.43

Standardization Rpt.

03/11/02 10:15:33 AM

page 1

Method: IECW Standard: STD4

Run Time: 03/11/02 10:14:11

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	81.99	57.00	56.40	13.20	5.698
SDev	.15	.07	.14	.07	.010
%RSD	.1780	.1223	.2542	.5425	.1798

#1	81.87	56.95	56.24	13.10	5.696
#2	82.11	57.03	56.34	13.22	5.688
#3	81.86	56.93	56.45	13.22	5.694
#4	82.13	57.08	56.57	13.26	5.712

Standardization Rpt.

03/11/02 10:21:08 AM

page 1

Method: IECW Standard: STD2

Run Time: 03/11/02 10:19:46



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	13.60	92.97	76.32	239.9	21.20	10.12	10.18
SDev	.05	.35	.22	.9	.06	.02	.02
%RSD	.3994	.3726	.2900	.3833	.2974	.1548	.2112

#1	13.53	92.70	76.20	239.3	21.13	10.13	10.18
#2	13.62	93.16	76.41	240.5	21.21	10.14	10.19
#3	13.60	92.67	76.09	238.9	21.18	10.10	10.16
#4	13.66	93.37	76.58	240.7	21.28	10.12	10.21

Elem	Mn2576	Pb2203	Zn2138
Avge	33.56	16.01	114.0
SDev	.10	.09	.4
%RSD	.2898	.5727	.3402

#1	33.44	15.90	113.7
#2	33.61	16.04	114.1
#3	33.52	15.97	113.7
#4	33.66	16.12	114.5

Standardization Rpt.

03/11/02 10:24:10 AM

page 1

Method: IECW Standard: STD5

Run Time: 03/11/02 10:22:47

Elem	V_2924
Avge	29.60
SDev	.08
%RSD	.2633

#1	29.65
#2	29.52
#3	29.56
#4	29.68

Analysis Report

03/11/02 10:56:26 AM

page 1

Method: IECW Sample Name: ipc
 Run Time: 03/11/02 10:54:31
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5022	1.047	.0347	1.020	1.005	.9913	1.022
SDev	.0027	.012	.0088	.012	.003	.0023	.005
%RSD	.5484	1.178	25.41	1.181	.2532	.2276	.4485

#1	.4996	1.066	.0440	1.011	1.003	.9888	1.024
#2	.5059	1.039	.0232	1.036	1.009	.9935	1.028
#3	.5024	1.041	.0333	1.011	1.004	.9929	1.018
#4	.5007	1.043	.0382	1.023	1.006	.9900	1.019

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.005	1.001	1.007	.9814	1.017	<.0000	1.025
SDev	.005	.003	.005	.0017	.005	.2189	.006
%RSD	.5017	.3274	.5139	.1741	.5406	26.153	.6248

#1	.9996	.9972	1.003	.9809	1.012	<.0000	1.020
#2	1.011	1.005	1.013	.9809	1.025	<.0000	1.028
#3	1.003	1.003	1.003	.9800	1.015	<.0000	1.020
#4	1.007	1.001	1.010	.9839	1.017	<.0000	1.033

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.002	.9748	1.055	1.003	1.012	1.005	.0133
SDev	.004	.0084	.009	.003	.017	.021	.0161
%RSD	.3919	.8640	.8116	.2868	1.649	2.048	121.2

#1	1.000	.9639	1.060	1.001	1.034	1.020	.0238
#2	1.008	.9835	1.042	1.003	1.009	1.006	<.0000
#3	.9999	.9786	1.057	.9997	1.012	.9754	.0097
#4	1.001	.9731	1.060	1.006	.9938	1.018	.0274

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.064	1.032	.9929	1.021
SDev	.016	.016	.0033	.003
%RSD	1.468	1.597	.3306	.3263

#1	1.068	1.043	.9897	1.016
#2	1.064	1.016	.9953	1.024
#3	1.043	1.049	.9961	1.021
#4	1.081	1.020	.9904	1.022

Analysis Report

03/11/02 11:01:16 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 03/11/02 10:58:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Fe3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0012	.0067	.0122	.0011	.0015	.0000	.0016
%RSD	164.9	114.9	184.1	30.51	133.4	7.407	52.09

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0062	<.0000	<.0000	<.0000	<.0000
#3	.0000	.0041	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0006	<.0000	<.0000	<.0000	.0011	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0015	.0019	.0017	.0013	.0022	.0089	.0206
%RSD	762.7	152.8	235.4	103.3	765.8	91.53	175.4

#1	.0009	<.0000	.0006	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0015	<.0000	.0009	<.0000	<.0000	<.0000	<.0000
#4	.0004	.0014	<.0000	.0002	.0029	<.0000	.0190

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	.0089	<.0000	<.0000	<.0000	.0106
SDev	.0005	.0043	.0117	.0033	.0128	.0231	.0252
%RSD	32.61	29.82	130.5	74.07	219.4	161.9	237.2

#1	<.0000	<.0000	<.0000	<.0000	.0027	<.0000	<.0000
#2	<.0000	<.0000	.0238	<.0000	<.0000	<.0000	.0221
#3	<.0000	<.0000	.0119	.0000	<.0000	<.0000	.0398
#4	<.0000	<.0000	.0030	<.0000	.0058	.0106	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0052	.0177	.0007	.0002
%RSD	62.80	1590.	22.54	21.25

#1	<.0000	.0141	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0140	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

03/11/02 11:16:09 AM

page 1

Method: IECW Sample Name: 1fb

Operator: it

Run Time: 03/11/02 11:13:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Au3290	Al3082	As1936	B_2496	Ba4934	Be3120	Ca3179
Avge	.0125	.2557	.2624	.2598	.2523	.0492	.0169
SDev	.0015	.0146	.0145	.0022	.0000	.0000	.0015
%RSD	11.87	5.716	5.536	.8512	.0004	.0898	8.710

#1	.0131	.2726	.2492	.2592	.2523	.0492	.0181
#2	.0108	.2424	.2665	.2599	.2523	.0491	.0151
#3	.0142	.2533	.2812	.2574	.2523	.0492	.0181
#4	.0119	.2447	.2528	.2627	.2523	.0492	.0163

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1040	.1054	.2602	.2530	.2619	<.0000	.0143
SDev	.0024	.0017	.0022	.0011	.0033	.0034	.0175
%RSD	2.313	1.587	.8506	.4501	1.258	44.35	123.0

#1	.1019	.1045	.2593	.2540	.2598	<.0000	.0182
#2	.1024	.1050	.2582	.2521	.2599	<.0000	<.0000
#3	.1072	.1041	.2600	.2540	.2610	<.0000	.0189
#4	.1046	.1073	.2633	.2521	.2667	<.0000	.0319

Elem	Mn2576	Mo2030	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2557	.0983	.2576	.2576	.2658	.2601
SDev	.0010	.0033	.0038	.0110	.0201	.0191
%RSD	.4061	3.520	16.95	1.475	4.287	7.330

#1	.2572	.1011	.1005	.2533	.2545	.2658
#2	.2554	.0938	.1303	.2575	.2451	.2388
#3	.2548	.1011	.0886	.2626	.2591	.2718
#4	.2554	.0981	.1005	.2573	.2716	.2869

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1848	.2890	.0982	.2581
SDev	.0160	.0124	.0011	.0010
%RSD	8.641	4.291	1.077	.3918

#1	.1973	.3007	.0987	.2569
#2	.1640	.2948	.0973	.2577
#3	.1806	.2720	.0973	.2586
#4	.1973	.2886	.0994	.2592

Analysis Report

03/11/02 11:20:40 AM

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Method: IECW Sample Name: lrb

Operator: it

Run Time: 03/11/02 11:16:41

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be5130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0004	.0000	<.0000
SDev	.0021	.0098	.0055	.0020	.0000	.0001	.0013
%RSD	112.4	63.74	97.78	164.6	.1106	1366	44.85

#1	.0004	<.0000	<.0000	.0004	.0004	.0001	<.0000
#2	<.0000	<.0000	<.0000	.0004	.0004	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0004	.0001	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0006	<.0000	.0013
SDev	.0008	.0019	.0009	.0014	.0041	.3927	.0086
%RSD	1193.	583.3	995.3	94.30	718.2	425.1	659.2

#1	.0003	.0005	.0004	.0005	<.0000	.3299	.0111
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0008	<.0000	.0004	<.0000	.0014	<.0000	.0007
#4	<.0000	.0018	.0004	<.0000	.0060	<.0000	.0033

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0001	<.0000	<.0000	<.0000	<.0000	.0000	.0089
SDev	.0003	.0033	.0170	.0017	.0265	.0108	.0166
%RSD	199.8	1103.	254.1	40.05	106.1	24820.	186.4

#1	.0006	.0034	<.0000	<.0000	.0000	<.0000	.0018
#2	.0000	<.0000	.0171	<.0000	<.0000	.0083	.0018
#3	.0000	.0015	<.0000	<.0000	<.0000	.0053	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	.0023	.0337

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0005
SDev	.0040	.0137	.0017	.0003
%RSD	47.75	112.9	158.6	66.50

#1	<.0000	<.0000	<.0000	.0000
#2	<.0000	.0076	<.0000	.0007
#3	<.0000	<.0000	<.0000	.0007
#4	<.0000	<.0000	.0007	.0007

Analysis Report

03/11/02 11:50:55 AM

page 1

Method: LEOW Sample Name: 2561

Operator: it

Run Time: 03/11/02 11:29:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0047	.0223	.0023	.0131	.0000	6.436
SDev	.0009	.0086	.0159	.0020	.0000	.0001	.034
%RSD	55.95	184.3	71.52	90.47	.0263	13e6	.5282

#1	<.0000	.0059	.0153	.0028	.0131	<.0000	6.391
#2	<.0000	.0163	.0157	.0035	.0131	.0001	6.436
#3	<.0000	<.0000	.0121	.0035	.0131	<.0000	6.472
#4	<.0000	.0000	.0461	<.0000	.0131	.0001	6.446

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0008	<.0000	.0332	<.0000	1.445
SDev	.0010	.0021	.0016	.0016	.0034	.0058	.011
%RSD	100.4	1607.	205.0	247.1	10.38	102.0	.7812

#1	<.0000	<.0000	.0003	<.0000	.0303	<.0000	1.435
#2	<.0000	.0027	.0032	.0013	.0372	.2244	1.440
#3	<.0000	<.0000	.0002	<.0000	.0349	<.0000	1.461
#4	<.0000	.0001	<.0000	<.0000	.0303	<.0000	1.445

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	<.0000	8.241	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0027	.047	.0036	.0149	.0275	.0283
%RSD	3.995	85.88	.5704	239.7	763.2	498.8	959.1

#1	.0215	<.0000	8.237	.0036	<.0000	<.0000	<.0000
#2	.0233	<.0000	8.201	<.0000	.0187	.0080	.0364
#3	.0221	<.0000	8.309	<.0000	<.0000	.0020	<.0000
#4	.0233	<.0000	8.219	<.0000	<.0000	.0140	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9351	.0078	<.0000	.0003
SDev	.0222	.0165	.0011	.0003
%RSD	2.373	212.1	176.2	99.01

#1	.9090	<.0000	<.0000	.0003
#2	.9591	.0294	.0006	<.0000
#3	.9466	.0112	<.0000	.0006
#4	.9257	<.0000	<.0000	.0006

Analysis Report

03/11/02 11:33:34 AM

page 1

Method: IECW Sample Name: 2561 dup

Operator: it

Run Time: 03/11/02 11:31:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0024	.0142	.0031	.0135	<.0000	6.430
SDev	.0012	.0039	.0154	.0012	.0008	.0000	.031 <i>6.436</i>
%RSD	56.03	165.5	108.3	39.57	5.520	100.0	.4829
#1	<.0000	.0035	<.0000	.0021	.0131	<.0000	6.408
#2	<.0000	<.0000	.0308	.0035	.0131	<.0000	6.417
#3	<.0000	.0012	.0214	.0021	.0146	<.0000	6.419
#4	<.0000	.0070	.0098	.0046	.0131	<.0000	6.476
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0006	<.0000	.0306	<.0000	1.450 <i>1.445</i>
SDev	.0004	.0006	.0004	.0010	.0033	.1363	.011
%RSD	28.34	62.95	70.14	86.15	10.78	24.02	.7788
#1	<.0000	<.0000	.0010	<.0000	.0280	<.0000	1.440
#2	<.0000	<.0000	.0002	<.0000	.0280	<.0000	1.466
#3	<.0000	<.0000	.0010	<.0000	.0349	<.0000	1.450
#4	<.0000	<.0000	.0002	<.0000	.0315	<.0000	1.445
Elem	Mn2576	Mo2020	Na5889 <i>8.241</i>	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	<.0000	8.254	<.0000	<.0000	<.0000	.0033
SDev	.0008	.0016	.039	.0051	.0121	.0119	.0162
%RSD	3.648	41.06	.4718	967.4	154.8	4841.	497.7
#1	.0239	<.0000	8.225	<.0000	<.0000	<.0000	<.0000
#2	.0233	<.0000	8.216	<.0000	<.0000	<.0000	.0081
#3	.0221	<.0000	8.291	.0056	.0094	.0140	.0241
#4	.0239	<.0000	8.285	.0016	<.0000	.0050	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9476	.0138	<.0000	.0001			
SDev	.0146	.0210	.0012	.0005			
%RSD	1.544	152.0	92.21	400.3			
#1	.9424	.0127	<.0000	.0006			
#2	.9298	.0400	<.0000	.0004			
#3	.9549	.0142	<.0000	<.0000			
#4	.9633	<.0000	<.0000	<.0000			

Analysis Report

03/11/02 11:39:29 AM

page 1

Method: IECW Sample Name: 2561spk

Operator: it

Run Time: 03/11/02 11:37:45

Comment:

Mode: CCNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0120	.2709	.2459	.2665	.2632	.0488	6.400
SDev	.0007	.0107	.0157	.0047	.0025	.0003	.041
%RSD	6.039	3.951	6.390	1.762	.9658	.6166	.6328

#1	.0112	.2637	.2568	.2655	.2606	.0484	6.358
#2	.0130	.2625	.2620	.2722	.2665	.0490	6.444
#3	.0118	.2718	.2323	.2609	.2621	.0486	6.374
#4	.0118	.2857	.2326	.2673	.2636	.0490	6.424

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1028	.1030	.2540	.2487	.2841	<.0000	1.438
SDev	.0009	.0022	.0044	.0022	.0028	.1388	.017
%RSD	.9051	2.097	1.726	.8793	.9890	22.87	1.154

#1	.1034	.1030	.2503	.2470	.2807	<.0000	1.416
#2	.1037	.1061	.2603	.2519	.2841	<.0000	1.445
#3	.1021	.1014	.2518	.2480	.2876	<.0000	1.437
#4	.1018	.1016	.2536	.2480	.2841	<.0000	1.455

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2742	.0860	8.197	.2495	.2431	.2032	.1841
SDev	.0017	.0027	.074	.0101	.0074	.0167	.0101
%RSD	.6310	3.152	.9026	4.034	3.030	8.214	5.467

#1	.2721	.0851	8.154	.2464	.2451	.1905	.1912
#2	.2763	.0875	8.279	.2636	.2498	.2146	.1912
#3	.2745	.0826	8.118	.2484	.2326	.1874	.1841
#4	.2739	.0888	8.237	.2398	.2451	.2204	.1698

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.119	.2582	.0967	.2549
SDev	.015	.0140	.0013	.0019
%RSD	1.341	5.437	1.381	.7629

#1	1.122	.2696	.0965	.2529
#2	1.130	.2408	.0986	.2550
#3	1.097	.2696	.0958	.2541
#4	1.126	.2529	.0958	.2575

Analysis Report

03/11/02 11:43:57 AM

page 1

Method: IECW Sample Name: 2562

Operator: it

Run Time: 03/11/02 11:42:13

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0005	.0204	.0230	.0029	.0135	.0000	6.479
SDev	.0019	.0136	.0114	.0009	.0008	.0000	.024
%RSD	403.2	66.92	49.62	32.47	5.526	100.00	.3748

#1	<.0000	.0140	.0273	.0021	.0131	.0001	6.471
#2	.0015	.0151	.0061	.0021	.0146	.0001	6.461
#3	.0026	.0407	.0313	.0035	.0131	.0001	6.515
#4	<.0000	.0117	.0273	.0038	.0131	<.0000	6.471

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0015	.0025	.0006	.0352	<.0000	1.438
SDev	.0009	.0012	.0012	.0015	.0033	.4751	.012
%RSD	1478.	78.51	47.54	255.0	9.377	144.0	.8455

#1	.0013	<.0000	.0017	.0013	.0372	<.0000	1.435
#2	.0002	.0017	.0032	.0013	.0303	<.0000	1.442
#3	<.0000	.0027	.0039	.0013	.0360	.2244	1.453
#4	<.0000	.0018	.0014	<.0000	.0372	<.0000	1.424

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	.0017	7.866	.0006	.0281	.0125	<.0000
SDev	.0006	.0021	.036	.0057	.0175	.0112	.0155
%RSD	2.553	120.6	.4572	909.2	62.37	89.37	221.0

#1	.0227	.0020	7.844	.0016	.0390	.0170	<.0000
#2	.0221	<.0000	7.841	.0056	.0156	.0200	<.0000
#3	.0221	.0045	7.862	.0029	.0468	<.0000	.0080
#4	.0233	.0008	7.918	<.0000	.0109	.0170	.0046

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9497	.0104	.0001	.0010
SDev	.0125	.0225	.0011	.0004
%RSD	1.312	215.5	1011.	45.13

#1	.9382	.0233	<.0000	.0010
#2	.9466	.0354	.0006	.0015
#3	.9675	<.0000	.0013	.0010
#4	.9466	<.0000	<.0000	.0004

Analysis Report

03/11/02 11:46:22 AM

page 1

Method: IECW Sample Name: 2563

Run Time: 03/11/02 11:44:38

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0212	.0211	.0027	.0135	.0000	6.358
SDev	.0029	.0132	.0158	.0015	.0007	.0001	.062
%RSD	1567.	62.04	74.81	56.09	5.505	230.9	.9689

#1	.0009	.0175	.0338	.0024	.0146	.0001	6.376
#2	<.0000	.0198	.0080	.0039	.0132	<.0000	6.306
#3	.0038	.0395	.0069	.0038	.0131	.0001	6.438
#4	<.0000	.0082	.0356	.0007	.0132	<.0000	6.313

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0010	.0021	.0070	.0315	<.0000	1.442
SDev	.0010	.0030	.0027	.0020	.0026	.3855	.017
%RSD	499.6	306.4	129.9	29.05	8.402	46.37	1.159

#1	<.0000	.0010	.0025	.0082	.0338	<.0000	1.440
#2	.0013	<.0000	<.0000	.0053	.0292	<.0000	1.429
#3	.0007	.0053	.0054	.0092	.0337	<.0000	1.466
#4	<.0000	<.0000	.0017	.0053	.0292	<.0000	1.432

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0231	<.0000	7.301	.0006	.0156	.0140	<.0000
SDev	.0009	.0032	.078	.0038	.0243	.0129	.0140
%RSD	3.886	127.2	1.067	601.6	155.9	92.65	1134.

#1	.0239	<.0000	7.296	<.0000	.0187	.0140	<.0000
#2	.0221	<.0000	7.206	.0003	<.0000	.0020	.0081
#3	.0239	.0014	7.397	.0003	.0437	.0319	.0045
#4	.0227	<.0000	7.305	.0056	.0156	.0080	.0046

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9341	.0085	<.0000	.0039
SDev	.0144	.0050	.0016	.0002
%RSD	1.546	58.78	631.6	4.281

#1	.9215	.0051	.0006	.0038
#2	.9299	.0052	<.0000	.0038
#3	.9549	.0081	.0013	.0041
#4	.9299	.0158	<.0000	.0040

Analysis Report

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page 1

Method: IECW Sample Name: 2564

Operator: it

Run Time: 03/11/02 11:47:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0152	.0030	.0035	.0159	.0000	8.306
SDev	.0019	.0159	.0081	.0009	.0000	.0001	.042
%RSD	148.0	104.5	270.6	26.68	.0277	230.9	.5000

#1	<.0000	<.0000	.0042	.0040	.0159	<.0000	8.323
#2	<.0000	.0358	<.0000	.0033	.0159	.0001	8.301
#3	<.0000	.0114	<.0000	.0044	.0159	<.0000	8.251
#4	.0009	.0160	.0136	.0023	.0159	.0001	8.349

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	<.0000	.0395	.0426	<.0000	2.107
SDev	.0006	.0014	.0019	.0019	.0047	.2022	.019
%RSD	83.92	327.1	902.6	4.725	11.03	22.86	.8792

#1	<.0000	.0013	.0003	.0407	.0437	<.0000	2.103
#2	.0002	.0010	<.0000	.0397	.0449	<.0000	2.103
#3	<.0000	<.0000	<.0000	.0368	.0460	<.0000	2.088
#4	<.0000	.0011	.0021	.0407	.0357	<.0000	2.132

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0336	<.0000	9.773	.0018	.0012	.0154	<.0000
SDev	.0008	.0021	.062	.0022	.0232	.0121	.0105
%RSD	2.247	92.53	.6327	122.6	2000.	78.80	316.4

#1	.0328	<.0000	9.764	<.0000	.0359	<.0000	<.0000
#2	.0334	<.0000	9.761	.0034	<.0000	.0138	<.0000
#3	.0334	<.0000	9.708	.0015	<.0000	.0229	.0007
#4	.0346	<.0000	9.857	.0034	<.0000	.0259	.0095

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.027	.0075	<.0000	.0017
SDev	.008	.0137	.0016	.0002
%RSD	.7760	183.3	247.3	13.19

#1	1.029	.0162	.0013	.0015
#2	1.021	.0192	<.0000	.0020
#3	1.021	<.0000	<.0000	.0016
#4	1.037	.0055	<.0000	.0016

Analysis Report

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page 1

Method: IECW Sample Name: 2565

Operator: it

Run Time: 03/11/02 11:49:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0023	.0331	.0321	.0035	.0146	.0001	6.552
SDev	.0033	.0144	.0132	.0017	.0000	.0001	.058
%RSD	139.8	43.44	41.05	47.69	.0478	46.19	.8881

#1	.0038	.0442	.0436	.0038	.0146	.0002	6.582
#2	.0009	.0151	.0248	.0028	.0146	.0001	6.494
#3	<.0000	.0279	.0427	.0017	.0146	.0001	6.514
#4	.0061	.0453	.0172	.0056	.0146	.0002	6.619

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0030	.0024	.0065	.0432	<.0000	1.442
SDev	.0014	.0015	.0012	.0009	.0011	.5871	.035
%RSD	371.4	49.72	51.50	14.51	2.511	4451.	2.426

#1	.0007	.0032	.0010	.0072	.0441	.5411	1.453
#2	.0007	.0034	.0017	.0053	.0418	<.0000	1.408
#3	<.0000	.0010	.0036	.0063	.0429	<.0000	1.421
#4	.0018	.0046	.0032	.0072	.0441	.4355	1.487

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0382	.0005	8.701	.0013	.0218	.0117	.0297
SDev	.0008	.0024	.099	.0051	.0127	.0195	.0275
%RSD	2.211	478.4	1.143	394.5	58.35	167.2	92.46

#1	.0382	.0026	8.761	.0043	.0406	.0379	.0523
#2	.0377	.0014	8.606	<.0000	.0156	.0140	.0542
#3	.0377	<.0000	8.627	<.0000	.0125	.0019	.0010
#4	.0394	.0008	8.809	.0069	.0187	<.0000	.0115

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9570	.0218	.0019	.0025
SDev	.0302	.0117	.0016	.0007
%RSD	3.152	53.68	83.73	30.12

#1	.9925	.0232	.0013	.0029
#2	.9341	.0052	.0013	.0020
#3	.9299	.0263	.0006	.0017
#4	.9716	.0323	.0042	.0033

Analysis Report

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page 1

Method: IECW Sample Name: 2566

Operator: it

Run Time: 03/11/02 11:53:28

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0009	.0323	.0187	.0032	.0139	.0000	6.380
SDev	.0043	.0181	.0138	.0009	.0009	.0000	.049
%RSD	470.2	55.99	73.46	27.48	6.158	100.00	.7727

#1	<.0000	.0105	.0084	.0028	.0132	.0001	6.318
#2	<.0000	.0244	.0156	.0028	.0131	<.0000	6.371
#3	.0049	.0488	.0389	.0028	.0146	.0001	6.435
#4	.0038	.0453	.0120	.0045	.0146	.0001	6.398

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0005	.0010	.0063	.0369	<.0000	1.457
SDev	.0014	.0013	.0029	.0011	.0017	.4903	.035
%RSD	162.8	278.6	293.6	18.19	4.687	71.44	2.434

#1	<.0000	.0011	<.0000	.0053	.0384	<.0000	1.411
#2	<.0000	<.0000	.0002	.0053	.0349	<.0000	1.458
#3	.0018	.0004	.0039	.0072	.0360	<.0000	1.497
#4	.0023	.0016	.0024	.0072	.0383	<.0000	1.463

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0248	<.0000	7.410	<.0000	.0012	<.0000	.0160
SDev	.0010	.0026	.036	.0052	.0147	.0066	.0204
%RSD	4.191	112.8	.4872	220.4	1274.	1980.	127.8

#1	.0239	<.0000	7.361	<.0000	.0078	<.0000	<.0000
#2	.0245	<.0000	7.448	<.0000	<.0000	<.0000	.0098
#3	.0245	.0008	7.409	.0003	<.0000	.0019	.0115
#4	.0263	<.0000	7.421	.0029	.0187	.0079	.0452

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9434	.0153	.0019	.0033
SDev	.0208	.0112	.0019	.0006
%RSD	2.204	73.46	104.0	17.08

#1	.9132	<.0000	.0006	.0029
#2	.9466	.0248	<.0000	.0027
#3	.9590	.0171	.0042	.0038
#4	.9549	.0202	.0027	.0038

Analysis Report

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page 1

Method: IECW Sample Name: 2567

Operator: it

Run Time: 03/11/02 11:56:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0031	.0358	.0277	.0037	.0146	.0000	6.504
SDev	.0014	.0126	.0117	.0017	.0012	.0000	.027
%RSD	47.00	35.12	42.40	45.57	8.307	100.00	.4160

#1	.0032	.0209	.0294	.0049	.0131	<.0000	6.483
#2	.0015	.0384	.0355	.0035	.0146	.0001	6.528
#3	.0026	.0326	.0353	.0014	.0146	.0001	6.478
#4	.0049	.0511	.0106	.0049	.0161	.0001	6.527

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0026	.0037	.0058	.0283	.1188	1.431
SDev	.0010	.0011	.0022	.0010	.0030	.2986	.007
%RSD	762.9	42.66	61.21	17.12	10.66	251.4	.4594

#1	<.0000	.0029	.0028	.0053	.0280	<.0000	1.424
#2	.0002	.0022	.0010	.0053	.0269	<.0000	1.429
#3	.0013	.0013	.0061	.0053	.0257	.5411	1.429
#4	.0002	.0039	.0047	.0072	.0326	.1188	1.440

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	<.0000	7.523	<.0000	.0031	.0057	.0138
SDev	.0010	.0025	.065	.0029	.0088	.0189	.0231
%RSD	4.552	73.01	.8581	419.0	284.1	333.2	167.6

#1	.0227	<.0000	7.528	.0036	<.0000	.0230	.0045
#2	.0215	<.0000	7.519	<.0000	<.0000	<.0000	<.0000
#3	.0239	<.0000	7.444	<.0000	.0031	<.0000	.0399
#4	.0221	<.0000	7.602	<.0000	.0156	.0199	.0239

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9581	.0195	.0017	.0029
SDev	.0267	.0244	.0024	.0004
%RSD	2.788	125.2	142.2	13.11

#1	.9216	.0355	<.0000	.0024
#2	.9759	.0233	.0013	.0031
#3	.9800	.0354	.0028	.0029
#4	.9549	<.0000	.0042	.0033

Analysis Report

03/11/02 12:00:15 PM

page 1

Method: IECW Sample Name: 2575

Operator: it

Run Time: 03/11/02 11:58:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0013	.0259	.0248	.0033	.0135	.0000	6.428
SDev	.0016	.0162	.0094	.0011	.0007	.0000	.019
%RSD	123.7	62.42	37.79	33.16	5.508	100.00	.2974

#1	<.0000	.0117	.0202	.0039	.0131	<.0000	6.410
#2	.0009	.0186	.0162	.0017	.0131	.0001	6.426
#3	.0026	.0488	.0251	.0035	.0146	.0001	6.422
#4	.0026	.0244	.0378	.0042	.0131	.0001	6.455

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0018	.0036	.0013	.0263	<.0000	1.464
SDev	.0008	.0020	.0019	.0021	.0022	.7765	.034
%RSD	85.89	111.2	51.77	161.3	8.336	346.1	2.334

#1	.0018	<.0000	.0039	.0023	.0246	<.0000	1.427
#2	<.0000	.0015	.0043	<.0000	.0246	<.0000	1.448
#3	.0012	.0046	.0054	.0033	.0268	.8579	1.505
#4	.0007	.0016	.0010	.0013	.0291	<.0000	1.476

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0207	<.0000	4.876	.0018	.0164	<.0000	.0156
SDev	.0003	.0031	.065	.0022	.0131	.0075	.0196
%RSD	1.444	126.6	1.331	122.2	79.90	411.2	125.8

#1	.0209	<.0000	4.823	.0016	.0156	<.0000	<.0000
#2	.0203	<.0000	4.823	<.0000	.0031	<.0000	.0311
#3	.0209	.0008	4.906	.0043	.0343	.0079	.0221
#4	.0209	<.0000	4.954	.0023	.0125	<.0000	.0222

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7053	.0142	.0017	.0016
SDev	.0205	.0222	.0012	.0005
%RSD	2.910	156.6	72.11	33.56

#1	.6751	<.0000	.0013	.0013
#2	.7127	.0233	.0006	.0020
#3	.7126	.0262	.0035	.0020
#4	.7210	.0263	.0013	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 2576

Operator: it

Run Time: 03/11/02 12:01:38

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0010	.0364	.0188	.0039	.0143	.0001	6.369
SDev	.0011	.0197	.0081	.0005	.0007	.0000	.038
%RSD	103.8	54.12	43.23	13.05	5.219	.0000	.6021

#1	.0003	.0303	.0218	.0035	.0146	.0001	6.377
#2	.0026	.0639	.0187	.0035	.0146	.0001	6.417
#3	.0003	.0175	.0078	.0039	.0146	.0001	6.326
#4	.0009	.0337	.0270	.0046	.0131	.0001	6.354

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0027	.0026	.0026	.0257	<.0000	1.446
SDev	.0010	.0022	.0015	.0015	.0025	.5741	.024
%RSD	208.9	81.37	57.33	57.86	9.625	103.6	1.633

#1	<.0000	.0003	.0024	.0033	.0257	<.0000	1.476
#2	<.0000	.0044	.0047	.0033	.0269	.2772	1.442
#3	<.0000	.0014	.0010	.0003	.0223	<.0000	1.419
#4	.0010	.0047	.0025	.0033	.0280	<.0000	1.445

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0210	<.0000	4.785	.0033	.0129	.0079	.0293
SDev	.0003	.0021	.068	.0034	.0218	.0278	.0305
%RSD	1.427	155.1	1.420	102.3	169.4	351.5	104.0

#1	.0209	.0000	4.739	.0010	<.0000	.0320	.0222
#2	.0209	.0008	4.718	.0023	.0437	.0229	.0611
#3	.0209	.0000	4.817	.0016	.0125	.0080	.0435
#4	.0215	<.0000	4.864	.0082	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7064	.0252	.0015	.0017
SDev	.0080	.0237	.0022	.0007
%RSD	1.135	94.28	143.9	41.49

#1	.6959	<.0000	.0035	.0015
#2	.7127	.0263	.0028	.0024
#3	.7044	.0446	<.0000	.0020
#4	.7127	.0384	.0013	.0008

Analysis Report

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Method: IECW Sample Name: 2577

Operator: it

Run Time: 03/11/02 12:05:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0172	.0384	.0144	.0313	.0000	24.69
SDev	.0019	.0058	.0182	.0013	.0009	.0000	.05
%RSD	307.6	33.51	47.47	9.182	2.733	100.00	.2108

#1	<.0000	.0242	.0264	.0159	.0321	<.0000	24.73
#2	.0006	.0137	.0194	.0127	.0306	.0001	24.62
#3	.0006	.0195	.0561	.0144	.0321	.0001	24.73
#4	.0029	.0114	.0518	.0148	.0306	.0001	24.67

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0003	.0048	.0001	.0482	.9371	8.334
SDev	.0016	.0022	.0022	.0019	.0024	.4829	.004
%RSD	2105.	831.0	45.41	1806.	4.913	51.53	.0443

#1	.0009	<.0000	.0025	<.0000	.0462	.5939	8.339
#2	<.0000	.0008	.0054	<.0000	.0462	.6995	8.334
#3	.0004	.0007	.0039	<.0000	.0496	.8051	8.332
#4	.0009	.0024	.0076	.0028	.0508	1.650	8.332

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0608	<.0000	27.63	.0016	<.0000	<.0000	.0239
SDev	.0003	.0025	.08	.0042	.0114	.0123	.0127
%RSD	.5690	59.82	.2761	272.5	223.3	907.0	53.26

#1	.0605	<.0000	27.74	<.0000	.0031	<.0000	.0367
#2	.0605	<.0000	27.56	.0052	<.0000	<.0000	.0314
#3	.0611	<.0000	27.63	<.0000	<.0000	.0129	.0190
#4	.0611	<.0000	27.61	.0052	.0062	.0009	.0084

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.509	.0051	.0007	.0012
SDev	.009	.0152	.0024	.0006
%RSD	.5702	298.7	357.7	47.10

#1	1.519	.0214	<.0000	.0017
#2	1.510	<.0000	<.0000	.0004
#3	1.498	.0138	.0010	.0012
#4	1.510	<.0000	.0038	.0017

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 03/11/02 12:08:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5008	1.064	.0368	1.004	.9967	.9924	1.034
SDev	.0024	.003	.0110	.005	.0015	.0022	.007
%RSD	.4899	.2953	29.77	.5117	.1495	.2236	.6734

#1	.5012	1.063	.0420	1.001	.9974	.9931	1.041
#2	.5024	1.062	.0214	.9978	.9974	.9933	1.036
#3	.5024	1.069	.0372	1.009	.9974	.9941	1.036
#4	.4972	1.063	.0467	1.007	.9944	.9892	1.025

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.001	1.001	1.005	.9759	1.004	.1584	1.038
SDev	.005	.004	.004	.0026	.008	.2904	.009
%RSD	.4899	.4416	.4368	.2659	.8166	183.3	.8477

#1	.9952	1.004	1.009	.9742	1.009	<.0000	1.043
#2	1.007	1.004	1.004	.9781	.9956	<.0000	1.040
#3	1.000	1.002	1.007	.9781	1.013	.2244	1.043
#4	1.000	.9946	.9991	.9732	.9991	.5411	1.025

Elem	Mn2576	Mo2020	Na5889	Na2316	Pb2203	Sb2068	Se1960
Avge	.9953	.9448	1.151	1.004	1.035	.9692	.0150
SDev	.0017	.0114	.027	.002	.008	.0261	.0421
%RSD	.1703	1.208	2.362	.1746	.7986	2.691	280.6

#1	.9941	.9328	1.190	1.003	1.037	.9391	.0354
#2	.9953	.9377	1.128	1.002	1.046	.9722	<.0000
#3	.9977	.9512	1.148	1.004	1.030	.9631	.0637
#4	.9941	.9573	1.140	1.006	1.027	1.002	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.048	1.025	.9921	1.016
SDev	.010	.026	.0018	.001
%RSD	.9217	2.497	.1834	.0550

#1	1.039	1.061	.9928	1.016
#2	1.039	1.020	.9900	1.016
#3	1.056	1.018	.9942	1.017
#4	1.056	1.000	.9914	1.016

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 03/11/02 12:15:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0005	<.0000	<.0000	<.0000
SDev	.0015	.0084	.0111	.0003	.0000	.0000	.0016
%RSD	95.64	62.07	94.67	64.41	.1711	100.0	400.8

#1	<.0000	<.0000	<.0000	.0008	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0004	<.0000	<.0000	.0002
#3	<.0000	<.0000	<.0000	.0005	<.0000	<.0000	.0005
#4	.0006	<.0000	<.0000	.0001	<.0000	<.0000	.0005

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0015	.0013	.0012	.0010	.0017	.2718	.0175
%RSD	191.4	78.29	44.33	133.4	40.00	56.76	115.0

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0020
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0011	.0001	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	<.0000	.0084	.0041	.0004	<.0000	<.0000
SDev	.0003	.0023	.0156	.0027	.0108	.0174	.0124
%RSD	21240.	72.11	186.2	65.86	2698.	464.8	313.6

#1	<.0000	<.0000	.0000	.0038	.0146	<.0000	<.0000
#2	.0005	<.0000	.0182	.0038	.0020	.0168	.0028
#3	<.0000	<.0000	<.0000	.0012	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0243	.0078	<.0000	<.0000	.0045

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0073	.0002	<.0000
SDev	.0054	.0218	.0012	.0003
%RSD	530.5	299.8	677.5	37.93

#1	.0011	<.0000	.0000	<.0000
#2	.0053	.0350	.0007	<.0000
#3	<.0000	<.0000	.0014	<.0000
#4	<.0000	.0137	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2579

Run Time: 03/11/02 13:47:21

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0085	.0243	<.0000	24.57
SDev	.0036	.0218	.0087	.0013	.0007	.0001	.08
%RSD	12.26	11.85	50.99	15.15	3.045	11.26	.3359

#1	<.0000	<.0000	<.0000	.0071	.0239	<.0000	24.46
#2	<.0000	<.0000	<.0000	.0078	.0254	<.0000	24.65
#3	<.0000	<.0000	<.0000	.0100	.0239	<.0000	24.57
#4	<.0000	<.0000	<.0000	.0093	.0239	<.0000	24.60

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0368	<.0000	8.227
SDev	.0017	.0029	.0027	.0021	.0009	.5608	.041
%RSD	31.13	14.74	13.67	9.287	2.536	10.22	.4968

#1	<.0000	<.0000	<.0000	<.0000	.0368	<.0000	8.177
#2	<.0000	<.0000	<.0000	<.0000	.0379	<.0000	8.272
#3	<.0000	<.0000	<.0000	<.0000	.0368	<.0000	8.214
#4	<.0000	<.0000	<.0000	<.0000	.0356	<.0000	8.243

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0532	<.0000	27.66	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0028	.05	.0052	.0174	.0174	.0182
%RSD	1.837	8.843	.1957	35.97	11.75	17.23	19.50

#1	.0520	<.0000	27.71	<.0000	<.0000	<.0000	<.0000
#2	.0532	<.0000	27.66	<.0000	<.0000	<.0000	<.0000
#3	.0532	<.0000	27.69	<.0000	<.0000	<.0000	<.0000
#4	.0544	<.0000	27.59	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.372	<.0000	<.0000	<.0000
SDev	.026	.0231	.0030	.0006
%RSD	1.929	56.51	14.83	10.44

#1	1.352	<.0000	<.0000	<.0000
#2	1.411	<.0000	<.0000	<.0000
#3	1.361	<.0000	<.0000	<.0000
#4	1.365	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2579lab dup

Operator: it

Run Time: 03/11/02 13:49:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0102	.0246	<.0000	24.69
SDev	.0017	.0100	.0092	.0018	.0008	.0000	.21
%RSD	6.313	5.801	58.30	17.69	3.436	7.692	.8436

#1	<.0000	<.0000	<.0000	.0099	.0264	<.0000	24.78
#2	<.0000	<.0000	<.0000	.0110	.0254	<.0000	24.84
#3	<.0000	<.0000	<.0000	.0078	.0239	<.0000	24.38
#4	<.0000	<.0000	<.0000	.0121	.0239	<.0000	24.76

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0405	<.0000	8.265
SDev	.0017	.0024	.0026	.0012	.0038	.1752	.060
%RSD	39.32	12.08	13.07	5.809	9.319	3.424	.7226

#1	<.0000	<.0000	<.0000	<.0000	.0425	<.0000	8.312
#2	<.0000	<.0000	<.0000	<.0000	.0448	<.0000	8.299
#3	<.0000	<.0000	<.0000	<.0000	.0380	<.0000	8.180
#4	<.0000	<.0000	<.0000	<.0000	.0368	<.0000	8.267

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0537	<.0000	27.72	.0000	<.0000	<.0000	<.0000
SDev	.0009	.0020	.29	.0007	.0142	.0168	.0083
%RSD	1.671	6.321	1.035	7.275	10.17	17.10	12.01

#1	.0532	<.0000	27.70	<.0000	<.0000	<.0000	<.0000
#2	.0544	<.0000	28.02	<.0000	<.0000	<.0000	<.0000
#3	.0526	<.0000	27.34	<.0000	<.0000	<.0000	<.0000
#4	.0544	<.0000	27.83	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.396	<.0000	<.0000	<.0000
SDev	.013	.0243	.0012	.0001
%RSD	.9329	68.37	5.957	1.635

#1	1.403	<.0000	<.0000	<.0000
#2	1.407	<.0000	<.0000	<.0000
#3	1.395	<.0000	<.0000	<.0000
#4	1.378	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 2579spk

Operator: it

Run Time: 03/11/02 14:03:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0120	.2667	.2816	.2800	.2810	.0497	24.45
SDev	.0022	.0126	.0142	.0008	.0012	.0001	.11
%RSD	18.14	4.710	5.034	.3029	.4298	.2903	.4501
#1	.0115	.2728	.2701	.2802	.2810	.0495	24.36
#2	.0115	.2635	.3001	.2788	.2825	.0499	24.59
#3	.0098	.2507	.2709	.2806	.2810	.0497	24.47
#4	.0150	.2797	.2854	.2806	.2795	.0497	24.36
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1023	.1018	.2572	.2474	.3004	.4634	8.198
SDev	.0028	.0019	.0039	.0009	.0023	.4873	.030
%RSD	2.717	1.863	1.522	.3808	.7673	105.2	.3620
#1	.0998	.1002	.2522	.2462	.2993	.1673	8.163
#2	.1061	.1045	.2614	.2482	.2992	.4763	8.229
#3	.1024	.1017	.2562	.2482	.2992	.0644	8.216
#4	.1009	.1009	.2588	.2472	.3038	1.146	8.184
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.3082	.0929	27.31	.2563	.2758	.2406	.2542
SDev	.0015	.0034	.12	.0056	.0150	.0250	.0237
%RSD	.4760	3.624	.4325	2.183	5.429	10.38	9.338
#1	.3070	.0908	27.24	.2541	.2544	.2067	.2542
#2	.3100	.0969	27.46	.2620	.2777	.2458	.2471
#3	.3088	.0896	27.34	.2495	.2824	.2669	.2861
#4	.3070	.0944	27.19	.2594	.2886	.2428	.2293
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	1.647	.2626	.0986	.2546			
SDev	.014	.0345	.0010	.0010			
%RSD	.8397	13.16	1.010	.3944			
#1	1.649	.2213	.0972	.2531			
#2	1.662	.2697	.0993	.2553			
#3	1.649	.3046	.0986	.2553			
#4	1.628	.2546	.0993	.2547			

Analysis Report

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page 1

Method: IECW Sample Name: 2580

Operator: it

Run Time: 03/11/02 14:10:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0045	.0120	<.0000	6.514
SDev	.0021	.0125	.0090	.0016	.0007	.0001	.021
%RSD	40.99	85.31	223.2	35.57	6.193	191.5	.3243

#1	<.0000	<.0000	<.0000	.0046	.0116	<.0000	6.500
#2	<.0000	<.0000	<.0000	.0063	.0131	.0000	6.530
#3	<.0000	.0000	.0088	.0046	.0116	.0000	6.535
#4	<.0000	<.0000	<.0000	.0024	.0117	<.0000	6.493

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0295	<.0000	1.380
SDev	.0011	.0014	.0008	.0010	.0024	.3086	.016
%RSD	89.79	34.87	50.99	52.30	8.024	30.50	1.174

#1	<.0000	<.0000	<.0000	<.0000	.0315	<.0000	1.400
#2	.0003	<.0000	<.0000	<.0000	.0315	<.0000	1.387
#3	<.0000	<.0000	<.0000	<.0000	.0269	<.0000	1.366
#4	<.0000	<.0000	<.0000	<.0000	.0280	<.0000	1.369

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0212	<.0000	4.720	.0006	<.0000	<.0000	.0016
SDev	.0005	.0047	.029	.0053	.0190	.0199	.0106
%RSD	2.313	104.4	.6079	822.9	115.2	58.10	671.3

#1	.0212	<.0000	4.709	.0083	<.0000	<.0000	<.0000
#2	.0212	<.0000	4.688	<.0000	<.0000	<.0000	<.0000
#3	.0218	.0019	4.755	<.0000	.0043	<.0000	.0042
#4	.0206	<.0000	4.730	.0003	<.0000	<.0000	.0150

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6942	<.0000	<.0000	<.0000
SDev	.0162	.0125	.0014	.0005
%RSD	2.337	142.1	49.78	128.3

#1	.7121	.0075	<.0000	<.0000
#2	.6827	<.0000	<.0000	<.0000
#3	.6785	<.0000	<.0000	.0003
#4	.7037	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 2581
 Run Time: 03/11/02 14:13:21
 Comment:
 Mode: CUNC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0005	.0072	<.0000	6.446
SDev	.0009	.0081	.0045	.0015	.0000	.0000	.025
%RSD	3.804	6.361	11.33	284.0	.0364	.0000	.3860

#1	<.0000	<.0000	<.0000	.0007	.0072	<.0000	6.433
#2	<.0000	<.0000	<.0000	<.0000	.0072	<.0000	6.481
#3	<.0000	<.0000	<.0000	.0021	.0072	<.0000	6.445
#4	<.0000	<.0000	<.0000	.0007	.0072	<.0000	6.425

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0315	<.0000	1.249
SDev	.0014	.0008	.0006	.0012	.0016	.4018	.016
%RSD	37.30	5.132	4.484	7.788	5.141	7.941	1.284

#1	<.0000	<.0000	<.0000	<.0000	.0304	<.0000	1.263
#2	<.0000	<.0000	<.0000	<.0000	.0338	<.0000	1.263
#3	<.0000	<.0000	<.0000	<.0000	.0315	<.0000	1.237
#4	<.0000	<.0000	<.0000	<.0000	.0304	<.0000	1.234

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0186	<.0000	4.489	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0008	.052	.0044	.0121	.0136	.0296
%RSD	1.612	5.026	1.163	29.71	12.39	16.09	47.40

#1	.0182	<.0000	4.487	<.0000	<.0000	<.0000	<.0000
#2	.0188	<.0000	4.563	<.0000	<.0000	<.0000	<.0000
#3	.0188	<.0000	4.444	<.0000	<.0000	<.0000	<.0000
#4	.0188	<.0000	4.463	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6052	<.0000	<.0000	<.0000
SDev	.0024	.0213	.0004	.0002
%RSD	.4013	49.30	2.424	7.271

#1	.6030	<.0000	<.0000	<.0000
#2	.6072	<.0000	<.0000	<.0000
#3	.6031	<.0000	<.0000	<.0000
#4	.6073	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2595

Operator: it

Run Time: 03/11/02 14:22:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0019	.0094	<.0000	6.406
SDev	.0048	.0244	.0129	.0012	.0015	.0001	.036
%RSD	22.10	19.93	30.96	62.76	15.78	19.15	.5655

#1	<.0000	<.0000	<.0000	.0014	.0102	<.0000	6.441
#2	<.0000	<.0000	<.0000	.0035	.0102	<.0000	6.392
#3	<.0000	<.0000	<.0000	.0021	.0102	<.0000	6.429
#4	<.0000	<.0000	<.0000	.0007	.0072	<.0000	6.361

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0332	<.0000	1.302
SDev	.0010	.0021	.0024	.0025	.0027	1.031	.030
%RSD	28.08	14.59	17.46	16.49	8.205	22.51	2.337

#1	<.0000	<.0000	<.0000	<.0000	.0349	<.0000	1.347
#2	<.0000	<.0000	<.0000	<.0000	.0350	<.0000	1.289
#3	<.0000	<.0000	<.0000	<.0000	.0338	<.0000	1.287
#4	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.284

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0209	<.0000	7.977	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0045	.077	.0008	.0361	.0151	.0239
%RSD	3.700	31.80	.9699	8.850	38.41	21.02	31.83

#1	.0218	<.0000	8.078	<.0000	<.0000	<.0000	<.0000
#2	.0206	<.0000	7.999	<.0000	<.0000	<.0000	<.0000
#3	.0212	<.0000	7.919	<.0000	<.0000	<.0000	<.0000
#4	.0200	<.0000	7.913	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8710	<.0000	<.0000	<.0000
SDev	.0266	.0185	.0025	.0017
%RSD	3.058	32.53	16.99	57.72

#1	.8971	<.0000	<.0000	<.0000
#2	.8804	<.0000	<.0000	<.0000
#3	.8720	<.0000	<.0000	<.0000
#4	.8342	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 2596

Operator: it

Run Time: 03/11/02 14:26:15

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0030	.0102	<.0000	6.428
SDev	.0012	.0120	.0043	.0008	.0000	.0000	.007
%RSD	6.819	12.42	10.93	28.26	.0126	.0000	.1055

#1	<.0000	<.0000	<.0000	.0025	.0102	<.0000	6.432
#2	<.0000	<.0000	<.0000	.0035	.0102	<.0000	6.435
#3	<.0000	<.0000	<.0000	.0021	.0102	<.0000	6.420
#4	<.0000	<.0000	<.0000	.0039	.0102	<.0000	6.425

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0304	<.0000	1.314
SDev	.0015	.0012	.0002	.0018	.0013	.2831	.017
%RSD	57.98	9.555	2.043	14.71	4.382	7.183	1.317

#1	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.340
#2	<.0000	<.0000	<.0000	<.0000	.0315	<.0000	1.308
#3	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.311
#4	<.0000	<.0000	<.0000	<.0000	.0315	<.0000	1.300

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0218	<.0000	7.484	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0029	.025	.0028	.0146	.0129	.0161
%RSD	3.896	23.63	.3359	19.23	21.24	19.09	32.92

#1	.0218	<.0000	7.509	<.0000	<.0000	<.0000	<.0000
#2	.0224	<.0000	7.454	<.0000	<.0000	<.0000	<.0000
#3	.0206	<.0000	7.499	<.0000	<.0000	<.0000	<.0000
#4	.0224	<.0000	7.472	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8783	<.0000	<.0000	<.0000
SDev	.0073	.0138	.0015	.0006
%RSD	.8258	37.92	11.66	27.98

#1	.8888	<.0000	<.0000	<.0000
#2	.8762	<.0000	<.0000	<.0000
#3	.8720	<.0000	<.0000	<.0000
#4	.8762	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 2597

Run Time: 03/11/02 14:28:45

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0031	.0102	<.0000	6.394
SDev	.0010	.0069	.0105	.0014	.0000	.0000	.029
%RSD	6.009	7.944	35.72	44.39	.0271	.0000	.4525

#1	<.0000	<.0000	<.0000	.0017	.0102	<.0000	6.399
#2	<.0000	<.0000	<.0000	.0021	.0102	<.0000	6.355
#3	<.0000	<.0000	<.0000	.0039	.0102	<.0000	6.396
#4	<.0000	<.0000	<.0000	.0046	.0102	<.0000	6.425

Elem	Cd2286	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0295	<.0000	1.337
SDev	.0014	.0011	.0006	.0015	.0042	.3648	.012
%RSD	150.3	9.321	6.201	26.52	14.34	10.62	.9261

#1	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.324
#2	.0011	<.0000	<.0000	<.0000	.0246	<.0000	1.332
#3	<.0000	<.0000	<.0000	<.0000	.0349	<.0000	1.353
#4	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.340

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	<.0000	7.128	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0027	.056	.0025	.0094	.0159	.0141
%RSD	4.159	25.21	.7855	18.04	12.70	25.34	40.04

#1	.0206	<.0000	7.189	<.0000	<.0000	<.0000	<.0000
#2	.0224	<.0000	7.055	<.0000	<.0000	<.0000	<.0000
#3	.0224	<.0000	7.146	<.0000	<.0000	<.0000	<.0000
#4	.0212	<.0000	7.122	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8677	<.0000	<.0000	.0006
SDev	.0109	.0127	.0019	.0005
%RSD	1.252	36.95	18.02	82.25

#1	.8720	<.0000	<.0000	.0003
#2	.8635	<.0000	<.0000	.0005
#3	.8551	<.0000	<.0000	.0003
#4	.8803	<.0000	<.0000	.0014

Analysis Report

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page 1

Method: IECW Sample Name: 2598

Operator: it

Run Time: 03/11/02 14:31:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0056	.0152	<.0000	8.252
SDev	.0010	.0131	.0107	.0018	.0009	.0001	.013
%RSD	15.56	49.72	121.5	32.60	5.675	46.19	.1565

#1	<.0000	<.0000	<.0000	.0076	.0159	<.0000	8.248
#2	<.0000	<.0000	<.0000	.0037	.0144	<.0000	8.263
#3	<.0000	<.0000	<.0000	.0044	.0144	<.0000	8.262
#4	<.0000	<.0000	.0062	.0066	.0159	<.0000	8.236

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0060	.0308	<.0000	2.077
SDev	.0008	.0012	.0019	.0019	.0017	.3800	.012
%RSD	361.1	32.93	57.98	31.69	5.583	25.48	.5721

#1	.0010	<.0000	<.0000	.0074	.0323	<.0000	2.076
#2	<.0000	<.0000	<.0000	.0035	.0323	<.0000	2.092
#3	<.0000	<.0000	<.0000	.0074	.0288	<.0000	2.076
#4	<.0000	<.0000	<.0000	.0055	.0300	<.0000	2.063

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0279	<.0000	9.589	<.0000	<.0000	<.0000	.0142
SDev	.0006	.0006	.037	.0025	.0289	.0145	.0251
%RSD	2.059	22.38	.3903	56.49	116.6	45.16	176.9

#1	.0283	<.0000	9.613	<.0000	<.0000	<.0000	<.0000
#2	.0277	<.0000	9.586	<.0000	<.0000	<.0000	.0111
#3	.0283	<.0000	9.620	<.0000	<.0000	<.0000	.0396
#4	.0271	<.0000	9.537	<.0000	<.0000	<.0000	.0253

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9904	<.0000	<.0000	.0008
SDev	.0100	.0219	.0011	.0002
%RSD	1.010	81.03	29.20	25.53

#1	.9967	<.0000	<.0000	.0010
#2	.9841	<.0000	<.0000	.0006
#3	1.001	<.0000	<.0000	.0006
#4	.9799	<.0000	<.0000	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 2599

Operator: it

Run Time: 03/11/02 14:36:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0070	.0158	<.0000	9.632
SDev	.0008	.0069	.0077	.0013	.0000	.0000	.030
%RSD	13.13	70.57	60.25	18.86	.0195	50.00	.3123

#1	<.0000	<.0000	<.0000	.0075	.0158	<.0000	9.588
#2	<.0000	<.0000	<.0000	.0075	.0158	<.0000	9.641
#3	<.0000	<.0000	<.0000	.0079	.0158	<.0000	9.641
#4	<.0000	<.0000	<.0000	.0050	.0158	<.0000	9.657

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	<.0000	.0035	.0392	<.0000	2.608
SDev	.0011	.0018	.0027	.0014	.0020	.5059	.026
%RSD	98.58	50.67	124.8	40.34	5.011	41.30	.9930

#1	<.0000	<.0000	<.0000	.0035	.0412	<.0000	2.596
#2	.0013	<.0000	.0003	.0054	.0389	<.0000	2.646
#3	.0026	<.0000	<.0000	.0025	.0366	<.0000	2.588
#4	.0007	<.0000	<.0000	.0025	.0400	<.0000	2.604

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0335	<.0000	11.51	<.0000	.0020	<.0000	.0014
SDev	.0008	.0019	.03	.0032	.0155	.0053	.0265
%RSD	2.247	81.85	.2946	95.48	791.2	29.47	1860.

#1	.0337	<.0000	11.46	<.0000	.0012	<.0000	<.0000
#2	.0343	<.0000	11.51	<.0000	.0169	<.0000	<.0000
#3	.0325	<.0000	11.51	.0000	.0090	<.0000	.0393
#4	.0337	<.0000	11.55	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.083	<.0000	<.0000	.0000
SDev	.017	.0108	.0021	.0003
%RSD	1.593	42.31	121.2	1312.

#1	1.084	<.0000	<.0000	<.0000
#2	1.105	<.0000	.0011	.0002
#3	1.063	<.0000	<.0000	.0002
#4	1.080	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 2600

Operator: it

Run Time: 03/11/02 14:52:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0266	.0054	.0024	<.0000	14.74
SDev	.0068	.0422	.0155	.0014	.0014	.0002	.05
%RSD	83.16	76.56	58.07	26.85	58.88	110.9	.3668

#1	<.0000	<.0000	.0338	.0067	.0035	.0001	14.73
#2	<.0000	<.0000	.0279	.0064	.0035	<.0000	14.80
#3	<.0000	<.0000	.0047	.0036	.0006	<.0000	14.67
#4	<.0000	<.0000	.0401	.0050	.0020	<.0000	14.75

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0179	.2020	<.0000	8.697
SDev	.0016	.0056	.0050	.0059	.0030	1.520	.057
%RSD	50.51	172.6	467.6	33.04	1.500	133.1	.6520

#1	<.0000	.0032	.0053	.0243	.1994	.4756	8.711
#2	<.0000	<.0000	.0005	.0203	.2040	<.0000	8.748
#3	<.0000	<.0000	<.0000	.0105	.2052	<.0000	8.616
#4	<.0000	<.0000	<.0000	.0164	.1994	<.0000	8.711

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1416	<.0000	39.95	<.0000	<.0000	<.0000	<.0000
SDev	.0011	.0057	.20	.0094	.0267	.0339	.0405
%RSD	.8094	106.9	.4979	507.3	127.5	461.6	108.6

#1	.1407	.0019	39.66	.0121	.0099	.0426	.0037
#2	.1431	<.0000	40.05	<.0000	<.0000	<.0000	<.0000
#3	.1407	<.0000	39.98	<.0000	<.0000	<.0000	<.0000
#4	.1419	<.0000	40.10	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	6.597	<.0000	<.0000	.0034
SDev	.028	.0231	.0046	.0011
%RSD	.4284	248.8	82.01	31.45

#1	6.592	.0085	<.0000	.0047
#2	6.638	<.0000	<.0000	.0038
#3	6.584	<.0000	<.0000	.0022
#4	6.575	.0086	<.0000	.0029

Analysis Report

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page 1

Method: IECW Sample Name: 2602

Operator: it

Run Time: 03/11/02 14:57:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0139	.0027	.0113	<.0000	6.550
SDev	.0025	.0114	.0091	.0009	.0009	.0000	.037
%RSD	22.27	21.73	65.45	34.78	7.624	.0000	.5704

#1	<.0000	<.0000	.0078	.0018	.0120	<.0000	6.602
#2	<.0000	<.0000	.0116	.0022	.0105	<.0000	6.553
#3	<.0000	<.0000	.0089	.0029	.0105	<.0000	6.519
#4	<.0000	<.0000	.0273	.0040	.0120	<.0000	6.528

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.401
SDev	.0014	.0017	.0009	.0015	.0029	.3181	.008
%RSD	44.29	25.20	15.25	17.84	10.20	10.64	.5573

#1	<.0000	<.0000	<.0000	<.0000	.0323	<.0000	1.401
#2	<.0000	<.0000	<.0000	<.0000	.0277	<.0000	1.412
#3	<.0000	<.0000	<.0000	<.0000	.0254	<.0000	1.393
#4	<.0000	<.0000	<.0000	<.0000	.0277	<.0000	1.398

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0222	<.0000	7.971	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0016	.055	.0017	.0109	.0159	.0187
%RSD	1.349	31.78	.6958	21.45	26.73	77.56	40.49

#1	.0224	<.0000	8.043	<.0000	<.0000	.0015	<.0000
#2	.0224	<.0000	7.920	<.0000	<.0000	<.0000	<.0000
#3	.0224	<.0000	7.935	<.0000	<.0000	<.0000	<.0000
#4	.0218	<.0000	7.985	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9281	<.0000	<.0000	<.0000
SDev	.0100	.0143	.0007	.0006
%RSD	1.083	339.1	9.015	52.96

#1	.9176	.0110	<.0000	<.0000
#2	.9387	<.0000	<.0000	<.0000
#3	.9345	<.0000	<.0000	<.0000
#4	.9218	.0049	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 03/11/02 15:09:06

Comments:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4909	1.014	.0229	.9954	.9752	.9973	.9967
SDev	.0063	.020	.0086	.0084	.0081	.0062	.0084
%RSD	1.293	2.001	37.45	.8487	.8327	.6231	.8458

#1	.4873	1.010	.0219	.9911	.9685	.9923	.9917
#2	.4994	1.044	.0335	1.004	.9864	1.005	1.009
#3	.4919	1.000	.0236	1.001	.9760	.9987	.9931
#4	.4850	1.003	.0126	.9858	.9700	.9926	.9927

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9882	.9966	1.001	.9538	1.0000	<.0000	1.014
SDev	.0052	.0103	.009	.0052	.01268	.4644	.034
%RSD	.5280	1.035	.9373	.5483	1.268	67.01	3.326

#1	.9828	.9882	.9938	.9489	.9977	<.0000	1.009
#2	.9953	1.011	1.014	.9607	1.018	<.0000	1.057
#3	.9884	.9951	1.001	.9548	.9942	<.0000	1.014
#4	.9865	.9916	.9938	.9508	.9897	<.0000	.9745

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9906	.9512	.9121	1.010	1.021	.9464	<.0000
SDev	.0112	.0127	.0357	.019	.036	.0273	.0199
%RSD	1.131	1.333	3.914	1.927	3.494	2.884	161.6

#1	.9851	.9330	.9482	1.004	.9680	.9138	<.0000
#2	1.000	.9624	.9328	1.032	1.045	.9440	<.0000
#3	.9911	.9544	.8683	1.017	1.030	.9472	<.0000
#4	.9803	.9550	.8991	.9863	1.039	.9805	.0172

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.005	1.014	.9853	.9989
SDev	.011	.026	.0095	.0061
%RSD	1.105	2.534	.9642	.6086

#1	1.007	1.042	.9780	.9930
#2	1.020	1.029	.9985	1.006
#3	.9943	.9883	.9858	1.002
#4	.9986	.9960	.9787	.9948

Analysis Report

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Method: IECW Sample Name: cd

Operator: it

Run Time: 03/11/02 15:13:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	<.0000	<.0000	.0030	.0007	.0008	.0021
SDev	.0010	.0066	.0128	.0013	.0000	.0002	.0019
%RSD	230.9	447.2	22640.	44.36	.0938	29.41	91.28

#1	<.0000	<.0000	.0056	.0012	.0007	.0010	<.0000
#2	.0013	.0009	.0152	.0029	.0007	.0008	.0043
#3	.0007	<.0000	<.0000	.0040	.0007	.0007	.0013
#4	.0007	.0068	<.0000	.0040	.0007	.0005	.0031

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0008	.0020	.0027	.0014	.0000	.0080
SDev	.0009	.0010	.0015	.0015	.0014	.1368	.0182
%RSD	45.38	118.8	73.29	54.55	100.9	67.11	228.5

#1	<.0000	.0016	.0012	.0020	.0000	<.0000	<.0000
#2	<.0000	.0018	.0008	.0040	.0034	<.0000	<.0000
#3	<.0000	<.0000	.0019	.0010	.0011	<.0000	.0332
#4	<.0000	<.0000	.0041	.0040	.0011	<.0000	.0093

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0380	.0115	<.0000	.0083	.0273	.0112
SDev	.0006	.0069	.0364	.0052	.0118	.0157	.0338
%RSD	127.8	18.02	315.6	445.6	142.5	57.69	302.8

#1	.0009	.0435	<.0000	.0030	<.0000	.0319	.0510
#2	.0003	.0429	.0085	<.0000	.0083	.0197	.0170
#3	.0009	.0368	<.0000	<.0000	.0115	.0106	.0081
#4	<.0000	.0288	.0638	.0023	.0210	.0470	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0046	.0016	.0004
SDev	.0105	.0143	.0020	.0005
%RSD	248.6	314.0	127.7	117.0

#1	<.0000	.0133	.0004	.0008
#2	<.0000	<.0000	.0046	.0008
#3	.0073	.0011	.0011	<.0000
#4	<.0000	.0179	.0004	.0001