

WTC samples

10/1/01

BK	23720	23048
STD	23721	23049
IPC+CB	23722	23052
LFB+LRB	23723	53
23605	IPC+CB	23818
23606 + splk	LFB+LRB	819
23607	23797 + splk	IPC+CB
23650	23798	
23651	23799	
23652	23926	
23653	23037	
23654	23038	
23655	23039	
23656	23040	
IPC+CB ^{perm.} _{data}	23041	
23697	23042	
23698 + splk	IPC+CB	
23699	23043	
23717	23044 + splk	
23718	23045	
23719	23046	

QC Reviewed by,

[Signature] 10/2/01

Analysis Report

10/01/01 10:07:34 AM

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Method: IECW Sample Name: ipc
 Run Time: 10/01/01 10:05:35
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

10/01/01

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5097 ✓	1.042 ✓	<.0000	1.027	.9826 ✓	1.000 ✓	1.022 ✓
SDev	.0008	.021	.0130	.006	.0030	.004	.006
%RSD	.1616	2.026	34.94	.5933	.3049	.3646	.6151

#1	.5105	1.067	<.0000	1.030	.9859	1.003	1.015
#2	.5086	1.016	<.0000	1.028	.9810	.9989	1.019
#3	.5099	1.048	<.0000	1.018	.9793	.9958	1.024
#4	.5099	1.036	<.0000	1.031	.9842	1.004	1.030

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.011 ✓	1.010 ✓	1.019 ✓	.9660 ✓	1.019 ✓	.4776	1.023 ✓
SDev	.008	.005	.004	.0023	.002	.0590	.023
%RSD	.7549	.4475	.3662	.2368	.1877	12.35	2.294

#1	1.019	1.009	1.024	.9671	1.019	.4622	1.051
#2	1.004	1.012	1.018	.9629	1.016	.5238	1.010
#3	1.005	1.005	1.015	.9660	1.019	.5238	1.032
#4	1.017	1.016	1.019	.9682	1.021	.4006	.9976

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.007 ✓	.9946 ✓	1.056 ✓	1.021 ✓	1.017	1.016	.0222
SDev	.003	.0039	.021	.005	.027	.030	.0427
%RSD	.2888	.3886	1.977	.4580	2.667	2.908	192.4

#1	1.010	.9934	1.051 ✓	1.019	1.030	.9983	.0358
#2	1.004	1.000	1.069 ✓	1.017	1.044	1.007	.0203
#3	1.005	.9912	1.029 ✓	1.027	1.010	.9984	.0673
#4	1.009	.9935	1.075 ✓	1.022	.9820	1.060	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.218	1.013 ✓	1.013 ✓	1.008 ✓
SDev	.013	.138	.003	.001
%RSD	1.087	13.59	.3130	.1207

#1	1.205	1.200	1.017	1.010
#2	1.209	.9924	1.009	1.008
#3	1.224	.9924	1.012	1.007
#4	1.233	.8678	1.014	1.007

Analysis Report

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Method: IECW Sample Name: cb
Run Time: 10/01/01 10:08:15
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	.0016	.0099	.0225	.0024	.0008	.0002	.0030
%RSD	196.0	372.8	160.3	505.6	185200.	864.1	310.5

#1	<.0000	<.0000	.0055	.0011	<.0000	.0003	<.0000
#2	.0005	.0056	.0051	.0033	.0012	.0000	.0029
#3	<.0000	.0017	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0005	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0013	.0002	.0003	.0000	<.0000	<.0000
SDev	.0008	.0011	.0022	.0015	.0020	.4747	.0235
%RSD	68.24	84.34	925.9	565.3	78100.	308.1	301.8

#1	<.0000	.0014	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0021	.0034	.0003	.0023	.3389	.0195
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0020	<.0000	.0024	.0008	.1541	.0039

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	.0061	<.0000	.0020
SDev	.0000	.0078	.0312	.0026	.0150	.0315	.0463
%RSD	.2759	127.8	168.3	98.06	246.8	179.7	2342.

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0649
#2	<.0000	.0017	<.0000	<.0000	.0061	.0285	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0199	<.0000	<.0000
#4	<.0000	<.0000	.0247	.0005	.0130	<.0000	.0020

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0234	<.0000	<.0000
SDev	.0082	.0245	.0014	.0006
%RSD	688.9	104.8	170.8	94.32

#1	.0024	<.0000	.0006	<.0000
#2	.0072	.0415	<.0000	<.0000
#3	<.0000	.0416	<.0000	.0002
#4	<.0000	.0208	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: lfb

Operator: it

Run Time: 10/01/01 10:10:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0039	.2600	.2490	.2656	.2388	.0483	.0137
SDev	.0036	.0232	.0324	.0025	.0008	.0001	.0060
%RSD	92.67	8.929	13.01	.9509	.3430	.2813	43.73

#1	<.0000	.2345	.2061	.2666	.2392	.0485	.0102
#2	.0025	.2478	.2426	.2681	.2376	.0482	.0071
#3	.0083	.2716	.2789	.2655	.2392	.0482	.0185
#4	.0051	.2862	.2683	.2622	.2392	.0485	.0191

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1007	.1026	.2491	.2682	.2551	<.0000	<.0000
SDev	.0026	.0044	.0025	.0029	.0026	1.023	.0251
%RSD	2.532	4.285	1.011	1.069	1.019	99.11	188.4

#1	.1019	.1021	.2480	.2693	.2516	<.0000	<.0000
#2	.0970	.0966	.2461	.2640	.2577	<.0000	<.0000
#3	.1028	.1063	.2518	.2693	.2562	<.0000	.0007
#4	.1010	.1054	.2504	.2703	.2547	<.0000	.0069

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2432	.0900	.0510	.2565	.2371	.2118	.2482
SDev	.0018	.0080	.0399	.0062	.0131	.0226	.0794
%RSD	.7317	8.884	78.39	2.420	5.512	10.69	32.01

#1	.2457	.0861	.0216	.2490	.2241	.2382	.2679
#2	.2419	.0838	.0123	.2554	.2345	.1856	.2207
#3	.2434	.1016	.0927	.2576	.2552	.2030	.1578
#4	.2419	.0883	.0772	.2640	.2344	.2205	.3462

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4462	.2070	.0976	.2501
SDev	.0213	.0529	.0026	.0023
%RSD	4.763	25.57	2.675	.9116

#1	.4390	.2797	.0947	.2472
#2	.4294	.1551	.0964	.2496
#3	.4773	.2069	.0989	.2515
#4	.4389	.1862	.1006	.2523

TV's?

Analysis Report

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Method: IECW Sample Name: lrb

Operator: it

Run Time: 10/01/01 10:12:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0028	.0063	.0339	.0014	.0000	.0000	.0015
%RSD	106.8	383.8	185.5	78.30	.0669	.0000	117.4

#1	<.0000	.0017	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0001
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0011	.0043	.0156	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0009	<.0000	<.0000	.0000	.0616	<.0000
SDev	.0033	.0018	.0022	.0019	.0009	.2779	.0074
%RSD	422.6	211.3	629.0	104.3	65680.	450.8	190.5

#1	<.0000	.0017	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0008	<.0000	.0008
#3	.0014	.0030	.0020	<.0000	.0008	.0308	<.0000
#4	.0023	<.0000	.0006	.0003	<.0000	.4622	.0039

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0020
SDev	.0004	.0097	.0288	.0014	.0245	.0124	.0287
%RSD	46.20	158.5	232.8	45.72	2830.	51.44	1456.

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0334
#3	<.0000	<.0000	<.0000	<.0000	.0061	<.0000	<.0000
#4	<.0000	<.0000	.0216	<.0000	.0268	<.0000	.0177

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0060	<.0000	<.0000	<.0000
SDev	.0024	.0494	.0017	.0010
%RSD	40.05	476.4	103.1	54.45

#1	.0072	<.0000	<.0000	<.0000
#2	.0024	.0208	<.0000	<.0000
#3	.0072	.0000	<.0000	<.0000
#4	.0072	.0208	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23605

Operator: it

Run Time: 10/01/01 10:37:06

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0185	.0085	.0240	<.0000	21.66
SDev	.0031	.0113	.0362	.0011	.0008	.0001	.02
%RSD	81.16	97.43	195.6	13.06	3.420	6.998	.0986

#1	<.0000	<.0000	<.0000	.0091	.0236	<.0000	21.64
#2	<.0000	.0040	.0474	.0098	.0236	<.0000	21.65
#3	<.0000	<.0000	.0136	.0076	.0252	<.0000	21.66
#4	<.0000	<.0000	.0438	.0076	.0236	<.0000	21.69

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0621	1.032	7.206
SDev	.0018	.0023	.0014	.0019	.0033	.566	.011
%RSD	115.1	155.6	546.4	55.72	5.291	54.80	.1472

#1	<.0000	.0015	<.0000	<.0000	.0606	.6471	7.210
#2	.0002	<.0000	<.0000	<.0000	.0621	1.387	7.191
#3	<.0000	<.0000	.0014	<.0000	.0667	1.633	7.206
#4	<.0000	<.0000	<.0000	<.0000	.0591	.4622	7.216

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1167	<.0000	28.81	.0047	<.0000	<.0000	.0064
SDev	.0008	.0046	.16	.0082	.0131	.0323	.0374
%RSD	.6455	36.10	.5636	175.6	50.32	51.67	585.0

#1	.1164	<.0000	28.77	<.0000	<.0000	<.0000	<.0000
#2	.1179	<.0000	28.63	.0149	<.0000	<.0000	.0299
#3	.1164	<.0000	29.02	.0073	<.0000	<.0000	.0299
#4	.1164	<.0000	28.82	<.0000	<.0000	<.0000	.0143

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	2.638	.0662	<.0000	<.0000
SDev	.016	.0746	.0030	.0004
%RSD	.6182	112.7	134.3	17.85

#1	2.632	.0091	<.0000	<.0000
#2	2.618	.0299	<.0000	<.0000
#3	2.652	.1752	.0003	<.0000
#4	2.652	.0506	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23606

Operator: it

Run Time: 10/01/01 10:40:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0013	.0122	<.0000	5.486
SDev	.0009	.0106	.0284	.0013	.0000	.0001	.013
%RSD	32.26	353.6	200.1	94.02	.0110	6.998	.2312

#1	<.0000	<.0000	<.0000	.0030	.0122	<.0000	5.496
#2	<.0000	.0102	.0017	.0001	.0122	<.0000	5.469
#3	<.0000	<.0000	.0111	.0008	.0122	<.0000	5.497
#4	<.0000	.0010	<.0000	.0015	.0122	<.0000	5.484

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0167	.5084	1.124
SDev	.0013	.0033	.0024	.0012	.0033	.5543	.013
%RSD	98.43	2044.	145.5	131.8	19.70	109.0	1.140

#1	<.0000	<.0000	<.0000	.0001	.0136	.0924	1.141
#2	.0005	<.0000	.0004	<.0000	.0152	1.017	1.116
#3	<.0000	<.0000	<.0000	<.0000	.0212	<.0000	1.128
#4	<.0000	.0044	<.0000	.0001	.0167	.9552	1.113

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0249	<.0000	3.732	.0032	<.0000	<.0000	<.0000
SDev	.0000	.0079	.023	.0064	.0142	.0480	.0606
%RSD	.0028	67.36	.6104	197.8	411.2	94.95	333.0

#1	.0249	<.0000	3.699	<.0000	<.0000	<.0000	<.0000
#2	.0249	<.0000	3.736	.0056	<.0000	<.0000	.0642
#3	.0249	<.0000	3.745	.0099	.0095	.0108	<.0000
#4	.0249	<.0000	3.748	.0024	.0061	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.6288	.0085	<.0000	<.0000
SDev	.0078	.0424	.0011	.0008
%RSD	1.248	499.2	49.05	79.85

#1	.6287	.0396	<.0000	<.0000
#2	.6288	.0293	<.0000	<.0000
#3	.6192	.0189	<.0000	<.0000
#4	.6384	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 23606spk

Operator: it

Run Time: 10/01/01 10:46:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0071	.2765	.2244	.2539	.2563	.0484	5.408
SDev	.0030	.0178	.0138	.0032	.0008	.0002	.018
%RSD	42.75	6.451	6.137	1.254	.3195	.3597	.3309

#1	.0070	.2841	.2387	.2500	.2551	.0481	5.384
#2	.0102	.2921	.2321	.2563	.2567	.0485	5.412
#3	.0083	.2789	.2192	.2567	.2567	.0485	5.426
#4	.0030	.2510	.2077	.2526	.2567	.0485	5.410

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1035	.1035	.2528	.2638	.2767	.4622	1.111
SDev	.0033	.0022	.0009	.0015	.0054	.6522	.009
%RSD	3.221	2.176	.3605	.5677	1.956	141.1	.8097

#1	.1019	.1014	.2521	.2628	.2797	.8319	1.100
#2	.1063	.1037	.2521	.2628	.2812	.3389	1.122
#3	.1063	.1065	.2540	.2659	.2691	1.078	1.109
#4	.0997	.1023	.2530	.2638	.2767	<.0000	1.113

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2738	.0876	3.735	.2611	.2440	.1962	.2809
SDev	.0010	.0076	.022	.0069	.0255	.0331	.0398
%RSD	.3553	8.646	.5829	2.659	10.45	16.88	14.16

#1	.2735	.0971	3.736	.2562	.2587	.2203	.2357
#2	.2727	.0815	3.764	.2702	.2483	.1502	.2671
#3	.2742	.0815	3.730	.2627	.2621	.2204	.2908
#4	.2750	.0904	3.711	.2551	.2068	.1941	.3301

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7787	.2829	.1005	.2511
SDev	.0106	.0596	.0027	.0010
%RSD	1.367	21.08	2.730	.3919

#1	.7823	.2466	.1005	.2499
#2	.7679	.2673	.1039	.2510
#3	.7919	.3712	.1005	.2514
#4	.7727	.2466	.0971	.2522

Analysis Report

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Method: IECW Sample Name: 23607

Operator: it

Run Time: 10/01/01 10:48:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0155	<.0000	.0016	.0134	<.0000	5.493
SDev	.0021	.0047	.0338	.0008	.0008	.0000	.009
%RSD	875.3	30.38	729.2	47.29	6.130	.0000	.1556

#1	.0011	.0195	<.0000	.0008	.0138	<.0000	5.493
#2	.0011	.0129	.0317	.0023	.0138	<.0000	5.493
#3	<.0000	.0102	<.0000	.0012	.0122	<.0000	5.503
#4	.0017	.0195	.0133	.0023	.0138	<.0000	5.482

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0008	.0014	.0007	.0182	.0924	1.171
SDev	.0007	.0018	.0036	.0014	.0013	.5349	.022
%RSD	185.4	223.8	250.5	207.2	6.864	578.6	1.899

#1	<.0000	<.0000	<.0000	.0022	.0182	.3389	1.159
#2	<.0000	.0021	<.0000	.0001	.0167	.4006	1.197
#3	.0005	<.0000	.0032	.0012	.0182	<.0000	1.181
#4	<.0000	.0025	.0056	<.0000	.0197	.3389	1.147

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0295	<.0000	3.825	<.0000	<.0000	<.0000	.0367
SDev	.0012	.0049	.031	.0082	.0253	.0252	.0456
%RSD	4.176	33.90	.8015	985.9	324.3	63.45	124.2

#1	.0295	<.0000	3.829	.0002	.0061	<.0000	.0013
#2	.0279	<.0000	3.810	.0099	<.0000	<.0000	.0799
#3	.0310	<.0000	3.795	<.0000	<.0000	<.0000	<.0000
#4	.0295	<.0000	3.866	<.0000	.0199	<.0000	.0720

Elem	Si2881	Fl1908	V_2924	Zn2138
Avge	.6899	.0343	<.0000	.0003
SDev	.0106	.0384	.0015	.0005
%RSD	1.544	111.7	138.6	163.9

#1	.7055	.0396	<.0000	.0001
#2	.6862	.0810	<.0000	.0005
#3	.6814	<.0000	<.0000	<.0000
#4	.6863	.0292	.0006	.0009

Analysis Report

10/01/01 10:57:01 AM

page 1

Method: IECW Sample Name: 23650

Operator: it

Run Time: 10/01/01 10:55:17

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0024	.0357	<.0000	.0012	.0159	<.0000	5.520
SDev	.0013	.0060	.0239	.0005	.0008	.0000	.015
%RSD	55.32	16.68	192.5	46.05	5.176	7.143	.2732

#1	.0030	.0393	.0222	.0008	.0154	<.0000	5.531
#2	.0030	.0354	<.0000	.0012	.0154	<.0000	5.534
#3	.0004	.0274	<.0000	.0019	.0155	<.0000	5.505
#4	.0030	.0407	<.0000	.0008	.0171	<.0000	5.508

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0022	.0033	.0028	.0147	1.171	1.198
SDev	.0022	.0008	.0012	.0006	.0036	.358	.016
%RSD	267.3	35.83	35.96	22.01	24.35	30.54	1.350

#1	<.0000	.0027	.0027	.0033	.0151	1.510	1.190
#2	.0023	.0030	.0027	.0033	.0121	.8319	1.209
#3	<.0000	.0013	.0051	.0022	.0121	1.448	1.178
#4	<.0000	.0018	.0027	.0022	.0197	.8936	1.212

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0199	<.0000	7.251	.0062	.0112	<.0000	.0268
SDev	.0009	.0028	.049	.0045	.0269	.0372	.0655
%RSD	4.768	61.45	.6756	73.48	239.3	237.9	244.6

#1	.0197	<.0000	7.208	.0121	.0234	.0370	.0248
#2	.0197	<.0000	7.276	.0067	<.0000	<.0000	<.0000
#3	.0189	<.0000	7.307	.0045	.0026	<.0000	.1191
#4	.0212	<.0000	7.211	.0013	.0407	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9453	.0109	.0025	<.0000
SDev	.0078	.0230	.0019	.0011
%RSD	.8285	210.4	75.57	46.14

#1	.9453	.0187	.0006	<.0000
#2	.9356	.0395	.0031	<.0000
#3	.9453	<.0000	.0014	<.0000
#4	.9548	<.0000	.0048	<.0000

Analysis Report

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Method: IECW Sample Name: 23651

Run Time: 10/01/01 10:59:41

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0033	.0370	.0065	.0002	.0167	<.0000	5.792
SDev	.0016	.0105	.0325	.0012	.0008	.0001	.008
%RSD	46.60	28.39	497.9	568.2	4.929	7.963	.1464

#1	.0011	.0406	<.0000	.0004	.0171	<.0000	5.784
#2	.0043	.0499	.0194	<.0000	.0171	<.0000	5.786
#3	.0043	.0261	.0433	.0019	.0171	<.0000	5.800
#4	.0037	.0314	<.0000	<.0000	.0154	<.0000	5.799

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	.0027	.0123	.0143	1.448	1.203
SDev	.0010	.0025	.0031	.0011	.0020	.201	.006
%RSD	61.04	564.1	114.2	8.608	13.69	13.90	.4730

#1	<.0000	.0004	.0027	.0128	.0151	1.448	1.206
#2	<.0000	.0016	.0065	.0128	.0121	1.695	1.209
#3	<.0000	.0028	.0027	.0128	.0166	1.448	1.200
#4	<.0000	<.0000	<.0000	.0107	.0136	1.202	1.197

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0206	<.0000	7.592	.0019	.0251	<.0000	<.0000
SDev	.0009	.0051	.033	.0073	.0182	.0131	.0264
%RSD	4.601	43.61	.4285	392.8	72.59	49.35	182.8

#1	.0204	<.0000	7.564	<.0000	.0337	<.0000	.0170
#2	.0204	<.0000	7.626	.0035	.0268	<.0000	<.0000
#3	.0197	<.0000	7.564	.0035	.0407	<.0000	<.0000
#4	.0219	<.0000	7.613	.0088	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9548	.0524	.0029	.0006
SDev	.0078	.0870	.0019	.0010
%RSD	.8209	165.9	64.60	172.5

#1	.9452	.1017	.0006	.0001
#2	.9548	<.0000	.0039	.0005
#3	.9644	.0395	.0048	<.0000
#4	.9549	.1329	.0023	.0021

Analysis Report

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page 1

Method: IECW Sample Name: 23652

Operator: it

Run Time: 10/01/01 11:01:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0038	.0357	.0039	.0010	.0167	<.0000	5.743
SDev	.0028	.0111	.0292	.0014	.0008	.0000	.022
%RSD	72.90	31.09	743.0	146.4	4.912	7.143	.3809

#1	.0030	.0393	<.0000	.0008	.0171	<.0000	5.770
#2	.0004	.0208	.0015	.0000	.0154	<.0000	5.716
#3	.0050	.0473	.0430	.0030	.0171	<.0000	5.744
#4	.0069	.0353	<.0000	.0000	.0171	<.0000	5.742

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0041	.0028	.0698	.0155	1.602	1.198
SDev	.0021	.0022	.0016	.0018	.0044	.621	.016
%RSD	252.9	53.96	55.39	2.592	28.23	38.78	1.368

#1	<.0000	.0058	.0008	.0690	.0090	1.017	1.212
#2	<.0000	.0010	.0027	.0679	.0182	1.263	1.175
#3	.0023	.0041	.0046	.0700	.0166	1.695	1.200
#4	<.0000	.0055	.0032	.0721	.0181	2.434	1.206

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0191	<.0000	8.102	.0043	.0208	<.0000	<.0000
SDev	.0007	.0044	.062	.0073	.0266	.0290	.0861
%RSD	3.779	46.50	.7601	170.1	128.0	619.0	595.8

#1	.0189	<.0000	8.167	<.0000	.0337	<.0000	<.0000
#2	.0197	<.0000	8.108	.0088	<.0000	<.0000	.0327
#3	.0197	<.0000	8.114	.0121	.0268	.0282	<.0000
#4	.0182	<.0000	8.018	<.0000	.0407	.0019	.0798

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9633	<.0000	.0025	.0005
SDev	.0172	.0306	.0023	.0007
%RSD	1.789	1490.	93.89	142.9

#1	.9740	.0291	.0014	.0013
#2	.9597	.0188	<.0000	<.0000
#3	.9405	<.0000	.0039	.0001
#4	.9788	<.0000	.0048	.0009

Analysis Report

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page 1

Method: IECW Sample Name: 23653

Operator: it

Run Time: 10/01/01 11:10:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0037	.0370	.0055	.0013	.0163	<.0000	5.543
SDev	.0014	.0125	.0247	.0024	.0009	.0000	.026
%RSD	38.48	33.71	445.9	179.2	5.813	7.692	.4692

#1	.0037	.0314	<.0000	.0030	.0154	<.0000	5.544
#2	.0024	.0248	.0041	<.0000	.0154	<.0000	5.517
#3	.0030	.0380	.0405	<.0000	.0171	<.0000	5.578
#4	.0056	.0539	<.0000	.0037	.0171	<.0000	5.534

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0017	.0047	.0015	.0132	1.325	1.211
SDev	.0020	.0033	.0011	.0016	.0038	.496	.014
%RSD	320.4	191.9	23.79	109.3	28.75	37.40	1.141

#1	<.0000	<.0000	.0056	.0022	.0090	.8319	1.197
#2	<.0000	.0010	.0046	<.0000	.0136	1.140	1.203
#3	<.0000	.0004	.0032	.0022	.0121	1.325	1.228
#4	.0023	.0065	.0056	.0022	.0182	2.003	1.215

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	<.0000	7.766	.0067	.0164	<.0000	.0700
SDev	.0004	.0033	.029	.0020	.0167	.0182	.0459
%RSD	1.707	33.00	.3755	29.33	101.8	48.54	65.64

#1	.0227	<.0000	7.768	.0045	.0026	<.0000	.0955
#2	.0219	<.0000	7.793	.0078	.0407	<.0000	.0013
#3	.0219	<.0000	7.777	.0088	.0095	<.0000	.0876
#4	.0219	<.0000	7.725	.0056	.0130	<.0000	.0954

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9680	<.0000 ✓	.0029	<.0000
SDev	.0099	.0332	.0014	.0008
%RSD	1.020	92.78	49.73	69.43

#1	.9597	<.0000	.0014	<.0000
#2	.9740	<.0000	.0023	<.0000
#3	.9788	<.0000	.0048	<.0000
#4	.9596	<.0000	.0031	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 23654

Operator: it

Run Time: 10/01/01 11:12:21

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0084	.0661	73.3 <.0000	.0011	.0171	<.0000	5.628
SDev	.0011	.0147	.0374	.0005	.0000	.0000	.014
%RSD	13.28	22.26	47790.	46.14	.0081	.0000	.2569

#1	.0089	.0724	f .0479	.0019	.0171	<.0000	5.606
#2	.0096	.0698	+ <.0000	.0008	.0171	<.0000	5.638
#3	.0069	.0446	- <.0000	.0008	.0171	<.0000	5.633
#4	.0083	.0777	+ .0112	.0011	.0171	<.0000	5.633

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0053	.0071	.3999	.0159	2.357	1.227
SDev	.0013	.0028	.0027	.0020	.0015	.679	.018
%RSD	154.1	53.00	38.32	.5070	9.596	28.83	1.443

#1	.0009	.0015	.0032	.3983	.0151	2.003	1.222
#2	<.0000	.0050	.0084	.4026	.0182	2.619	1.212
#3	.0009	.0065	.0094	.4004	.0151	3.174	1.253
#4	.0023	.0081	.0075	.3983	.0151	1.633	1.222

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0255	.0004	7.401	.0118	.0545	<.0000	.0247
SDev	.0004	.0043	.057	.0014	.0150	.0248	.0395
%RSD	1.476	972.6	.7646	11.46	27.44	74.44	159.9

#1	.0249	.0038	7.360	.0121	.0545	<.0000	<.0000
#2	.0257	.0038	7.449	.0121	.0753	<.0000	.0169
#3	.0257	<.0000	7.449	.0131	.0476	<.0000	.0169
#4	.0257	<.0000	7.344	.0099	.0407	<.0000	.0797

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9632	.0446	.0069	.0027
SDev	.0099	.0512	.0011	.0008
%RSD	1.030	114.8	15.78	28.27

#1	.9644	<.0000	.0056	.0021
#2	.9740	.0498	.0081	.0021
#3	.9500	.0498	.0065	.0029
#4	.9644	.1017	.0073	.0036

Analysis Report

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page 1

Method: IECW Sample Name: 23655

Operator: it

Run Time: 10/01/01 11:20:47

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0015	<.0000	.0164	.0054	.0159	<.0000	5.645
SDev	.0025	.0219	.0183	.0008	.0000	.0001	.017
%RSD	163.5	3041.	111.4	14.91	.0127	17e6	.3009

#1	<.0000	<.0000	.0120	.0054	.0158	<.0000	5.657
#2	.0050	.0282	.0089	.0058	.0158	.0001	5.661
#3	.0004	.0016	.0432	.0043	.0159	<.0000	5.627
#4	.0017	<.0000	.0017	.0062	.0159	<.0000	5.634

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	.0028	.0094	.0204 ^{21.8}	.0000	1.203
SDev	.0014	.0022	.0024	.0012	.0038	.4945	.011
%RSD	191.6	221.2	83.50	13.01	18.59	14e6	.8749

#1	<.0000	<.0000	.0015	.0105	.0193 +	<.0000	1.216
#2	.0008	.0013	.0063	.0105	.0208 +	.5171	1.200
#3	<.0000	<.0000	.0025	.0083	.0254 +	.0784	1.206
#4	.0026	.0003	.0011	.0083	.0163 -	.0784	1.191

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0199	.0027	7.682	.0070	<.0000	<.0000	.0524
SDev	.0004	.0018	.072	.0067	.0145	.0131	.0665
%RSD	2.187	67.40	.9427	96.50	1661.	117.8	126.8

#1	.0202	.0005	7.590	.0086	.0026	<.0000	.1093
#2	.0195	.0027	7.706	.0140	<.0000	<.0000	.0307
#3	.0202	.0027	7.668	.0075	.0165	<.0000	<.0000
#4	.0195	.0049	7.763	<.0000	<.0000	<.0000	.1015

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9340	.0265	.0002	.0028
SDev	.0136	.0508	.0016	.0015
%RSD	1.456	191.7	1059.	53.15

#1	.9340	.0887	.0006	.0043
#2	.9436	<.0000	.0023	.0032
#3	.9436	.0472	<.0000	.0028
#4	.9148	<.0000	<.0000	.0008

Analysis Report

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page 1

Method: IECW Sample Name: 23656

Operator: it

Run Time: 10/01/01 11:23:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0015	<.0000	.0235	.0059	.0170	<.0000	6.349
SDev	.0008	.0113	.0311	.0020	.0008	.0000	.030
%RSD	53.68	402.1	132.2	34.19	4.831	200.0	.4760
#1	.0024	<.0000	.0380	.0083	.0174	<.0000	6.315
#2	.0017	.0055	<.0000	.0042	.0174	<.0000	6.384
#3	.0004	<.0000	.0092	.0068	.0158	<.0000	6.363
#4	.0017	.0082	.0586	.0042	.0174	.0000	6.335
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0010	.0023	.0115	.0245	.3447	1.411
SDev	.0023	.0016	.0010	.0009	.0032	.4945	.018
%RSD	565.3	155.8	43.43	7.526	12.95	143.4	1.286
#1	.0017	.0024	.0014	.0115	.0283	.7678	1.385
#2	<.0000	.0004	.0014	.0104	.0207	<.0000	1.425
#3	.0004	<.0000	.0033	.0126	.0237	.0157	1.416
#4	<.0000	.0023	.0028	.0115	.0252	.7678	1.419
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0149	.0027	7.216	<.0000	<.0000	<.0000	.0229
SDev	.0006	.0018	.043	.0063	.0175	.0248	.0551
%RSD	4.112	67.59	.5910	7491.	118.4	538.7	241.1
#1	.0142	.0027	7.169	.0010	.0026	<.0000	<.0000
#2	.0149	.0049	7.213	.0064	<.0000	<.0000	<.0000
#3	.0157	.0027	7.273	<.0000	<.0000	.0305	.0621
#4	.0149	.0005	7.210	.0010	<.0000	<.0000	.0778
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.018	.0080	<.0000	.0023			
SDev	.008	.0467	.0008	.0010			
%RSD	.8204	583.4	1177.	45.66			
#1	1.025	.0781	<.0000	.0012			
#2	1.025	<.0000	.0006	.0031			
#3	1.011	<.0000	<.0000	.0016			
#4	1.011	<.0000	.0006	.0031			

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 10/01/01 11:26:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.4968	.9947	.0408	.9646	.9565	.9747	.9976
SDev	.0014	.0092	.0287	.0097	.0051	.0040	.0049
%RSD	.2745	.9235	70.38	1.001	.5312	.4084	.4876

#1	.4965	.9884	.0076	.9580	.9536	.9716	1.002
#2	.4971	.9911	.0584	.9717	.9634	.9779	1.002
#3	.4952	1.008	.0269	.9546	.9520	.9710	.9919
#4	.4984	.9911	.0702	.9739	.9569	.9784	.9952

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9758	.9793	.9819	.9358	.9856	.3917	.9957
SDev	.0029	.0039	.0073	.0049	.0073	.5294	.0170
%RSD	.2917	.3952	.7394	.5178	.7397	135.1	1.711

#1	.9729	.9790	.9714	.9334	.9757	.5171	.9972
#2	.9782	.9773	.9847	.9408	.9848	.0784	1.013
#3	.9738	.9761	.9833	.9302	.9894	1.081	.9722
#4	.9782	.9848	.9881	.9387	.9924	<.0000	1.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9712	.9785	1.066	.9780	.9829	.9011	.0891
SDev	.0028	.0135	.010	.0140	.0341	.0401	.0368
%RSD	.2927	1.376	.9120	1.433	3.467	4.448	41.31

#1	.9707	.9585	1.060	.9664	1.011	.8770	.0420
#2	.9744	.9829	1.057	.9890	1.011	.9471	.1284
#3	.9676	.9851	1.066	.9653	.9412	.8594	.0812
#4	.9722	.9874	1.079	.9912	.9690	.9208	.1048

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.031	1.041	.9826	.9847
SDev	.014	.134	.0032	.0044
%RSD	1.378	12.92	.3238	.4479

#1	1.035	1.103	.9805	.9876
#2	1.011	1.041	.9873	.9892
#3	1.045	1.166	.9822	.9802
#4	1.031	.8543	.9805	.9817

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 10/01/01 11:31:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0023 ✓	.0020 ✓	<.0000	<.0000	<.0000 ✓	.0001 ✓	<.0000 ✓
SDev	.0010	.0171	.0299	.0016	.0000	.0001	.0021
%RSD	42.86	855.0	648.3	416.5	134.2	57.74	97.89

#1	.0018	<.0000	<.0000	<.0000	.0000	.0000	<.0000
#2	.0018	<.0000	<.0000	.0002	<.0000	.0001	<.0000
#3	.0038	.0263	.0359	.0013	<.0000	.0001	.0004
#4	.0018	<.0000	<.0000	<.0000	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010 ✓	.0006 ✓	.0006 ✓	<.0000 ✓	.0004 ✓	.0000	.0156 ✓
SDev	.0006	.0015	.0042	.0014	.0033	.4892	.0068
%RSD	56.01	269.6	706.8	258.1	874.2	4433000.	43.21

#1	.0018	<.0000	<.0000	.0000	<.0000	<.0000	.0063
#2	.0009	.0002	.0051	<.0000	.0004	<.0000	.0188
#3	.0009	.0026	.0018	.0011	<.0000	.3917	.0156
#4	.0004	.0006	.0003	<.0000	.0049	.4544	.0219

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	<.0000 ✓	.0011 ✓	.0078 ✓	.0003 ✓	<.0000	.0109	.0412
SDev	.0009	.0111	.0318	.0091	.0146	.0110	.0161
%RSD	501.1	999.6	404.7	3413.	112.1	100.8	39.16

#1	<.0000	<.0000	<.0000	.0100	<.0000	.0131	.0393
#2	<.0000	<.0000	<.0000	<.0000	.0026	<.0000	.0392
#3	.0008	.0161	.0471	<.0000	<.0000	.0131	.0627
#4	<.0000	.0006	.0157	.0035	<.0000	.0219	.0236

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0024	<.0000	<.0000	<.0000
SDev	.0068	.0796	.0008	.0010
%RSD	286.1	765.8	102300.	93.80

#1	.0024	.0285	.0006	<.0000
#2	<.0000	.0492	<.0000	.0001
#3	<.0000	<.0000	.0006	<.0000
#4	.0120	.0078	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23697

Operator: it

Run Time: 10/01/01 13:01:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0019	.0110	.0180	.0036	.0159	.0004	5.504
SDev	.0014	.0108	.0145	.0016	.0000	.0003	.021
%RSD	71.95	98.78	80.61	45.74	.0154	69.56	.3844

#1	.0037	.0043	.0366	.0028	.0159	.0007	5.478
#2	.0017	.0149	.0208	.0043	.0159	.0004	5.529
#3	.0004	.0003	.0028	.0017	.0159	.0002	5.498
#4	.0017	.0243	.0116	.0054	.0159	.0002	5.511

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	.0003	.0020	.0020	.0185	<.0000	1.173
SDev	.0023	.0007	.0025	.0017	.0020	.5710	.027
%RSD	469.1	277.1	123.5	87.19	10.61	52.81	2.267

#1	.0017	.0006	.0035	.0041	.0163	<.0000	1.191
#2	<.0000	.0007	.0044	.0020	.0178	<.0000	1.200
#3	.0004	<.0000	<.0000	<.0000	.0208	<.0000	1.147
#4	.0026	.0006	.0016	.0020	.0193	<.0000	1.153

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0244	<.0000	3.832	.0062	<.0000	<.0000	.0759
SDev	.0004	.0069	.041	.0037	.0104	.0180	.0310
%RSD	1.782	241.4	1.073	59.36	171.3	161.4	40.84

#1	.0240	<.0000	3.786	.0064	<.0000	<.0000	.0857
#2	.0247	.0049	3.817	.0097	.0026	.0041	.1014
#3	.0240	.0005	3.883	.0075	.0026	<.0000	.0858
#4	.0248	<.0000	3.842	.0011	<.0000	.0041	.0308

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6392	.0654	<.0000	.0014
SDev	.0159	.0849	.0019	.0013
%RSD	2.484	129.7	207.8	93.70

#1	.6597	.1717	.0014	.0024
#2	.6356	<.0000	<.0000	.0024
#3	.6212	.0266	<.0000	<.0000
#4	.6405	.0888	<.0000	.0012

Analysis Report

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page 1

Method: IECW Sample Name: 23698

Operator: it

Run Time: 10/01/01 13:05:20

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1066	.0122	.0253	.0001	21.24
SDev	.0022	.0090	.0241	.0011	.0008	.0000	.03
%RSD	656.0	108.7	22.63	8.723	3.240	66.67	.1500

#1	.0015	<.0000	.0917	.0115	.0257	.0000	21.25
#2	<.0000	<.0000	.1413	.0115	.0257	.0001	21.23
#3	.0015	<.0000	.1046	.0137	.0240	.0000	21.21
#4	<.0000	.0034	.0888	.0119	.0257	.0000	21.28

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0032	<.0000	.0614	.2507	7.078
SDev	.0021	.0022	.0021	.0005	.0026	.3331	.027
%RSD	1672.	105.3	65.15	65.20	4.226	132.9	.3801

#1	<.0000	<.0000	.0022	<.0000	.0602	<.0000	7.112
#2	.0014	<.0000	.0013	<.0000	.0587	.3917	7.047
#3	<.0000	.0004	.0032	<.0000	.0648	.0784	7.078
#4	.0014	<.0000	.0060	<.0000	.0618	.6424	7.075

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0857	<.0000	27.77	.0020	<.0000	.0186	.0476
SDev	.0004	.0066	.06	.0050	.0172	.0338	.0515
%RSD	.5087	175.1	.2247	250.2	131.5	181.8	108.1

#1	.0853	<.0000	27.80	.0082	<.0000	.0559	.0673
#2	.0861	.0046	27.83	.0039	.0061	<.0000	.0595
#3	.0853	<.0000	27.70	<.0000	<.0000	.0383	.0908
#4	.0861	<.0000	27.72	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.408	.0456	<.0000	<.0000
SDev	.018	.0474	.0008	.0004
%RSD	.7569	104.0	68.81	49.05

#1	2.396	.1000	<.0000	<.0000
#2	2.396	.0690	<.0000	<.0000
#3	2.406	<.0000	<.0000	<.0000
#4	2.435	.0171	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23698spk

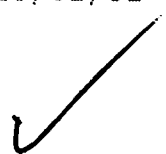
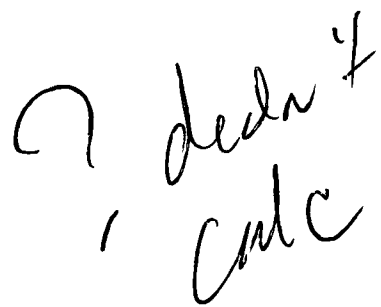
Operator: it

Run Time: 10/01/01 13:12:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0133	.2893	.3372	.2897	.2691	.0487	20.92
SDev	.0035	.0147	.0125	.0013	.0008	.0001	.04
%RSD	26.45	5.076	3.706	.4606	.3040	.2416	.1828
#1	.0106	.2856	.3513	.2907	.2687	.0489	20.91
#2	.0152	.2790	.3305	.2900	.2687	.0486	20.87
#3	.0172	.3109	.3236	.2903	.2687	.0486	20.95
#4	.0100	.2816	.3435	.2877	.2703	.0488	20.95
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1051	.1030	.2541	.2842	.3179	1.739	6.987
SDev	.0018	.0013	.0023	.0018	.0047	.619	.033
%RSD	1.740	1.287	.8906	.6363	1.486	35.61	.4779
#1	.1068	.1020	.2517	.2834	.3248	1.708	6.984
#2	.1064	.1045	.2555	.2823	.3157	2.021	6.950
#3	.1028	.1018	.2526	.2866	.3141	2.335	6.984
#4	.1046	.1037	.2564	.2845	.3171	.8931	7.031
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3284	.0961	27.29	.2603	.2468	.2148	.3250
SDev	.0018	.0028	.08	.0052	.0217	.0252	.0307
%RSD	.5414	2.911	.2852	1.979	8.790	11.71	9.453
#1	.3271	.1000	27.38	.2676	.2251	.2126	.2936
#2	.3271	.0933	27.25	.2557	.2598	.1863	.3094
#3	.3286	.0955	27.21	.2600	.2703	.2125	.3328
#4	.3308	.0955	27.32	.2579	.2320	.2476	.3643
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	2.598	.2862	.0994	.2476			
SDev	.016	.0423	.0012	.0007			
%RSD	.6235	14.78	1.196	.2709			
#1	2.574	.2758	.0994	.2479			
#2	2.608	.2655	.0986	.2467			
#3	2.603	.2551	.1011	.2475			
#4	2.608	.3484	.0986	.2483			

Analysis Report

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page 1

Method: IECW Sample Name: 23699

Operator: it

Run Time: 10/01/01 13:15:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0052	.0309	.0278	.0060	.0175	.0001	5.389
SDev	.0008	.0052	.0282	.0012	.0000	.0000	.015
%RSD	15.99	16.86	101.5	20.67	.0069	40.00	.2799

#1	.0050	.0296	.0650	.0058	.0175	.0001	5.369
#2	.0050	.0336	<.0000	.0043	.0175	.0001	5.389
#3	.0043	.0363	.0166	.0069	.0175	.0000	5.393
#4	.0063	.0243	.0311	.0069	.0175	.0001	5.405

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	.0017	.0036	.0036	.0178	<.0000	1.213
SDev	.0020	.0014	.0021	.0006	.0028	.2201	.007
%RSD	278.6	84.49	58.11	17.11	15.60	156.1	.5573

#1	<.0000	.0000	.0063	.0041	.0193	.0157	1.219
#2	<.0000	.0034	.0015	.0041	.0208	.0784	1.216
#3	.0035	.0016	.0039	.0030	.0163	<.0000	1.203
#4	.0008	.0016	.0025	.0030	.0147	<.0000	1.213

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0261	<.0000	3.813	.0099	.0061	.0085	.0209
SDev	.0007	.0000	.021	.0057	.0175	.0168	.0226
%RSD	2.766	.1705	.5483	57.67	288.2	198.0	107.9

#1	.0270	<.0000	3.842	.0032	.0304	.0216	.0464
#2	.0255	<.0000	3.795	.0097	.0026	<.0000	.0228
#3	.0255	<.0000	3.811	.0172	<.0000	.0041	<.0000
#4	.0263	<.0000	3.802	.0097	.0026	.0216	.0229

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6981	.0654	.0027	.0022
SDev	.0118	.0401	.0011	.0010
%RSD	1.689	61.28	40.59	45.45

#1	.6885	.0887	.0023	.0032
#2	.7029	.0887	.0031	.0024
#3	.6885	.0057	.0039	.0024
#4	.7126	.0783	.0014	.0008

Analysis Report

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page 1

Method: IECW Sample Name: 23717

Operator: it

Run Time: 10/01/01 13:18:10

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0063	.0196	.0129	.0053	.0175	.0001	5.462
SDev	.0012	.0032	.0293	.0004	.0000	.0000	.030
%RSD	18.98	16.18	226.5	6.683	.0156	.0000	.5554

#1	.0070	.0216	.0155	.0058	.0175	.0001	5.424
#2	.0050	.0229	.0050	.0050	.0175	.0001	5.453
#3	.0076	.0163	.0508	.0054	.0175	.0001	5.489
#4	.0056	.0176	<.0000	.0050	.0175	.0001	5.484

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0018	.0020	.0028	.0204 ^{2/3}	.1880	1.213
SDev	.0027	.0019	.0014	.0005	.0023	.3044	.004
%RSD	693.4	106.0	69.65	19.06	11.16	161.9	.3243

#1	<.0000	.0040	.0006	.0030	.0223 +	.0157	1.213
#2	<.0000	<.0000	.0034	.0020	.0223 +	.6424	1.213
#3	.0026	.0006	.0030	.0030	.0178 -	.0157	1.210
#4	.0026	.0027	.0011	.0030	.0193 +	.0784	1.219

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	<.0000	7.643	.0118	.0043	.0282	.0955
SDev	.0006	.0021	.051	.0053	.0208	.0289	.0459
%RSD	2.735	2318.	.6646	45.28	478.8	102.6	48.10

#1	.0225	.0027	7.631	.0053	.0096	.0129	.1092
#2	.0217	<.0000	7.596	.0172	<.0000	.0567	.0857
#3	.0232	.0005	7.716	.0150	.0096	<.0000	.0386
#4	.0225	<.0000	7.631	.0096	.0235	.0479	.1485

Elem	Si2881	Ti11908	V_2924	Zn2138
Avge	.9520	.0706	.0023	<.0000
SDev	.0082	.0497	.0007	.0007
%RSD	.8630	70.39	30.48	70.28

#1	.9484	.0576	.0023	<.0000
#2	.9436	.0057	.0023	<.0000
#3	.9532	.1095	.0031	<.0000
#4	.9629	.1094	.0014	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 23718

Operator: it

Run Time: 10/01/01 13:20:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0066	.0316	.0112	.0033	.0163	.0001	5.407
SDev	.0022	.0154	.0374	.0013	.0008	.0001	.025
%RSD	32.78	48.72	334.9	38.45	5.035	57.74	.4703

#1	.0050	.0136	.0235	.0021	.0175	.0000	5.423
#2	.0070	.0469	.0478	.0050	.0159	.0000	5.381
#3	.0050	.0243	<.0000	.0032	.0159	.0001	5.391
#4	.0096	.0416	.0139	.0028	.0159	.0001	5.434

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0011	.0027	.0042	.0023	.0170	.5484	1.188
SDev	.0011	.0017	.0031	.0016	.0036	.6152	.027
%RSD	100.5	63.48	74.93	70.59	21.24	112.2	2.278

#1	<.0000	.0014	.0006	.0009	.0132	<.0000	1.200
#2	.0017	.0020	.0082	.0041	.0148	.9558	1.191
#3	.0013	.0052	.0039	.0009	.0193	.7051	1.150
#4	.0017	.0020	.0039	.0030	.0208	.8931	1.213

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0208	.0010	7.069	.0113	.0087	.0348	.0170
SDev	.0007	.0073	.045	.0049	.0313	.0232	.0692
%RSD	3.471	722.9	.6392	43.04	360.3	66.73	407.3

#1	.0202	<.0000	7.072	.0172	.0096	.0655	<.0000
#2	.0202	.0027	7.035	.0054	.0061	.0391	<.0000
#3	.0217	.0005	7.038	.0107	<.0000	.0129	.1092
#4	.0210	.0093	7.132	.0118	.0478	.0216	.0307

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8955	.0058	.0029	<.0000
SDev	.0117	.0328	.0020	.0006
%RSD	1.311	570.8	68.80	55.31

#1	.9051	.0265	.0014	<.0000
#2	.8907	<.0000	.0031	<.0000
#3	.8812	.0369	.0014	<.0000
#4	.9051	<.0000	.0056	<.0000

Analysis Report

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Method: IECW Sample Name: 23719

Operator: it

Run Time: 10/01/01 13:22:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0076	.0329	.0385	.0054	.0175	.0001	5.631
SDev	.0023	.0144	.0177	.0023	.0000	.0001	.012
%RSD	30.65	43.65	45.96	43.35	.0048	57.74	.2053

#1	.0096	.0216	.0455	.0084	.0175	.0001	5.648
#2	.0089	.0496	.0582	.0039	.0175	.0001	5.632
#3	.0043	.0402	.0166	.0061	.0175	.0000	5.622
#4	.0076	.0203	.0338	.0032	.0175	.0000	5.624

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0017	.0022	.0043	.0256	.0216	.6268	1.185
SDev	.0046	.0008	.0022	.0005	.0036	.4616	.017
%RSD	270.3	38.83	50.72	2.073	16.78	73.65	1.414

#1	<.0000	.0017	.0030	.0253	.0269	.3291	1.175
#2	<.0000	.0020	.0054	.0264	.0208	1.081	1.178
#3	.0053	.0034	.0020	.0253	.0193	.1410	1.175
#4	.0062	.0016	.0068	.0253	.0193	.9558	1.210

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0168	.0060	7.150	.0089	.0096	.0041	.0876
SDev	.0008	.0067	.039	.0082	.0234	.0336	.0316
%RSD	4.473	110.9	.5417	92.76	245.2	820.0	36.07

#1	.0157	.0027	7.138	.0118	<.0000	.0479	.0621
#2	.0172	<.0000	7.100	.0064	.0026	<.0000	.1327
#3	.0172	.0116	7.185	<.0000	.0443	.0128	.0856
#4	.0172	.0116	7.176	.0183	<.0000	<.0000	.0700

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9184	<.0000	.0027	.0038
SDev	.0132	.0787	.0016	.0008
%RSD	1.442	447.5	60.17	21.10

#1	.9341	.0265	.0023	.0043
#2	.9100	<.0000	.0039	.0032
#3	.9052	.0472	.0006	.0032
#4	.9244	<.0000	.0039	.0047

Analysis Report

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Method: IECW Sample Name: 23720

Run Time: 10/01/01 13:31:53

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0029	.0139	<.0000	5.199
SDev	.0012	.0181	.0247	.0009	.0009	.0000	.032
%RSD	54.08	359.9	69.10	29.97	6.849	.0000	.6069

#1	<.0000	<.0000	<.0000	.0016	.0130	<.0000	5.241
#2	<.0000	<.0000	<.0000	.0031	.0147	<.0000	5.203
#3	<.0000	.0165	<.0000	.0035	.0147	<.0000	5.184
#4	<.0000	.0003	<.0000	.0035	.0130	<.0000	5.168

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0097	.0243	<.0000	1.035
SDev	.0009	.0025	.0022	.0018	.0022	1.247	.017
%RSD	36.72	91.49	415.6	18.97	8.833	7646.	1.640

#1	<.0000	<.0000	<.0000	.0070	.0228	<.0000	1.030
#2	<.0000	<.0000	.0013	.0102	.0228	.2119	1.014
#3	<.0000	<.0000	.0013	.0113	.0243	1.060	1.052
#4	<.0000	<.0000	<.0000	.0102	.0274	.4728	1.045

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	<.0000	6.442	.0032	<.0000	<.0000	.0172
SDev	.0004	.0041	.034	.0031	.0103	.0273	.0679
%RSD	1.902	652.8	.5340	95.34	29.43	204.8	393.9

#1	.0225	.0038	6.450	.0030	<.0000	<.0000	<.0000
#2	.0233	<.0000	6.482	<.0000	<.0000	<.0000	<.0000
#3	.0233	<.0000	6.399	.0030	<.0000	<.0000	.0703
#4	.0225	.0016	6.437	.0073	<.0000	.0086	.0704

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8166	<.0000	<.0000	.0020
SDev	.0115	.0771	.0020	.0008
%RSD	1.406	158.8	66.81	37.50

#1	.8094	<.0000	<.0000	.0031
#2	.8046	.0581	<.0000	.0019
#3	.8287	<.0000	<.0000	.0015
#4	.8239	<.0000	<.0000	.0015

Analysis Report

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page 1

Method: IECW Sample Name: 23721

Operator: it

Run Time: 10/01/01 13:36:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0066	<.0000	.0027	.0162	<.0000	6.224
SDev	.0025	.0121	.0458	.0013	.0000	.0000	.022
%RSD	175.4	184.1	532.7	46.76	.0143	200.0	.3566

#1	<.0000	.0042	.0343	.0030	.0162	.0000	6.238
#2	<.0000	<.0000	<.0000	.0034	.0162	<.0000	6.202
#3	<.0000	.0190	.0224	.0034	.0162	<.0000	6.247
#4	.0017	.0123	<.0000	.0008	.0162	<.0000	6.208

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0004	.0051	.023021,6	<.0000	1.377
SDev	.0017	.0031	.0006	.0005	.0031	.5492	.019
%RSD	100.3	147.6	168.4	10.30	13.63	140.4	1.379

#1	<.0000	.0013	.0001	.0049	.0272	<.0000	1.361
#2	<.0000	<.0000	.0011	.0049	.0196	<.0000	1.364
#3	<.0000	<.0000	.0006	.0049	.0226	<.0000	1.383
#4	.0000	<.0000	<.0000	.0059	.0226	.1467	1.402

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0166	<.0000	8.290	.0005	<.0000	.0151	.0151
SDev	.0004	.0053	.065	.0060	.0152	.0110	.0847
%RSD	2.265	300.6	.7879	1305.	69.58	72.99	562.1

#1	.0172	.0016	8.382	<.0000	<.0000	<.0000	.0545
#2	.0165	.0016	8.254	<.0000	<.0000	.0174	.0703
#3	.0164	<.0000	8.235	.0083	<.0000	.0173	.0465
#4	.0164	<.0000	8.289	.0018	<.0000	.0261	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9466	<.0000	<.0000	.0022
SDev	.0150	.0655	.0017	.0004
%RSD	1.588	365.2	64.93	17.45

#1	.9587	.0783	<.0000	.0023
#2	.9248	<.0000	<.0000	.0027
#3	.9538	<.0000	<.0000	.0019
#4	.9489	<.0000	<.0000	.0019

Analysis Report

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page 1

Method: IECW Sample Name: 23722

Operator: it

Run Time: 10/01/01 13:39:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0116	.0027	.0126	<.0000	5.708
SDev	.0003	.0077	.0195	.0008	.0008	.0000	.015
%RSD	3.539	17.91	169.1	29.29	6.525	28.57	.2634

#1	<.0000	<.0000	.0402	.0020	.0130	<.0000	5.709
#2	<.0000	<.0000	.0076	.0038	.0130	<.0000	5.688
#3	<.0000	<.0000	<.0000	.0024	.0113	<.0000	5.708
#4	<.0000	<.0000	<.0000	.0027	.0130	<.0000	5.725

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0028	.0208 21.7	<.0000	1.080
SDev	.0013	.0018	.0020	.0023	.0026	.1920	.020
%RSD	69.76	28.31	30.05	82.43	12.46	6.579	1.863

#1	<.0000	<.0000	<.0000	.0028	.0243 +	<.0000	1.086
#2	<.0000	<.0000	<.0000	.0038	.0212 +	<.0000	1.083
#3	<.0000	<.0000	<.0000	<.0000	.0197 +	<.0000	1.052
#4	<.0000	<.0000	<.0000	.0049	.0182 —	<.0000	1.099

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0172	.0005	7.260	.0013	<.0000	.0021	.0370
SDev	.0006	.0046	.030	.0040	.0129	.0290	.0424
%RSD	3.569	909.2	.4155	295.8	38.92	1355.	114.5

#1	.0172	.0061	7.224	.0073	<.0000	<.0000	<.0000
#2	.0165	<.0000	7.288	<.0000	<.0000	.0438	.0311
#3	.0172	<.0000	7.246	<.0000	<.0000	<.0000	.0863
#4	.0180	.0016	7.282	<.0000	<.0000	<.0000	.0469

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8673	<.0000	<.0000	.0008
SDev	.0039	.0713	.0018	.0007
%RSD	.4526	139.2	23.83	83.41

#1	.8673	.0060	<.0000	.0015
#2	.8721	<.0000	<.0000	.0007
#3	.8625	<.0000	<.0000	.0011
#4	.8673	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23723

Run Time: 10/01/01 13:42:07

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	.0126	<.0000	5.459
SDev	.0004	.0058	.0087	.0018	.0008	.0000	.018
%RSD	4.157	14.74	63.81	63.27	6.516	.0000	.3368

#1	<.0000	<.0000	<.0000	.0046	.0130	<.0000	5.436
#2	<.0000	<.0000	<.0000	.0039	.0114	<.0000	5.453
#3	<.0000	<.0000	<.0000	.0024	.0130	<.0000	5.468
#4	<.0000	<.0000	<.0000	.0005	.0130	<.0000	5.478

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0065	.0175	<.0000	1.054
SDev	.0012	.0020	.0019	.0006	.0026	.3466	.008
%RSD	94.48	31.30	35.88	9.429	15.08	13.12	.7876

#1	<.0000	<.0000	<.0000	.0070	.0152	<.0000	1.058
#2	<.0000	<.0000	<.0000	.0070	.0197	<.0000	1.055
#3	<.0000	<.0000	<.0000	.0060	.0197	<.0000	1.061
#4	<.0000	<.0000	<.0000	.0060	.0152	<.0000	1.042

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0133	<.0000	6.554	<.0000	<.0000	<.0000	.0134
SDev	.0004	.0051	.062	.0067	.0124	.0347	.0723
%RSD	2.841	851.9	.9475	193.2	29.66	314.3	539.8

#1	.0135	<.0000	6.482	.0040	<.0000	<.0000	.0469
#2	.0135	<.0000	6.533	<.0000	<.0000	<.0000	<.0000
#3	.0127	.0038	6.629	<.0000	<.0000	.0175	.0942
#4	.0135	.0038	6.572	<.0000	<.0000	.0175	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8408	<.0000	<.0000	.0004
SDev	.0084	.0682	.0016	.0010
%RSD	.9972	157.2	22.36	236.9

#1	.8432	<.0000	<.0000	.0003
#2	.8480	.0581	<.0000	.0007
#3	.8287	<.0000	<.0000	.0015
#4	.8432	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 10/01/01 13:51:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4812	.9757	.0306	.9501	.9940	.9375	1.041
SDev	.0026	.0106	.0164	.0055	.0047	.0043	.006
%RSD	.5494	1.081	53.59	.5744	.4696	.4639	.6173
#1	.4849	.9901	.0170	.9566	.9980	.9432	1.050
#2	.4810	.9701	.0474	.9507	.9945	.9372	1.037
#3	.4790	.9660	.0160	.9499	.9962	.9370	1.037
#4	.4797	.9767	.0421	.9433	.9874	.9326	1.038
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.021	1.019	.9606	.9788	.9603	<.0000	1.058
SDev	.005	.005	.0038	.0044	.0069	.3397	.019
%RSD	.4803	.4895	.3997	.4463	.7199	142.6	1.833
#1	1.022	1.025	.9662	.9851	.9679	<.0000	1.056
#2	1.027	1.020	.9581	.9759	.9512	.2212	1.080
#3	1.021	1.017	.9581	.9782	.9603	<.0000	1.063
#4	1.015	1.013	.9600	.9759	.9618	<.0000	1.033
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.014	.9318	1.021	.9714	1.047	.9549	.0147
SDev	.003	.0064	.039	.0092	.033	.0434	.0281
%RSD	.3044	.6862	3.841	.9431	3.178	4.541	191.1
#1	1.018	.9368	1.005	.9706	1.094	.9592	<.0000
#2	1.012	.9368	1.030	.9652	1.046	1.003	.0463
#3	1.015	.9301	.9792	.9652	1.024	.8978	.0305
#4	1.012	.9234	1.071	.9846	1.024	.9593	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	1.107	.9111	.9514	1.016			
SDev	.018	.1172	.0052	.004			
%RSD	1.647	12.86	.5419	.4243			
#1	1.110	.8097	.9579	1.022			
#2	1.125	1.080	.9529	1.015			
#3	1.081	.8825	.9462	1.017			
#4	1.110	.8721	.9487	1.011			

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 10/01/01 13:56:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0018	<.0000	<.0000	<.0000	.0035	<.0000	.0077
SDev	.0016	.0083	.0055	.0013	.0030	.0000	.0045
%RSD	90.91	117.3	13.74	42.27	85.42	9.091	58.22

#1	.0016	<.0000	<.0000	<.0000	.0075	<.0000	.0131
#2	.0036	.0023	<.0000	<.0000	.0040	<.0000	.0095
#3	.0023	<.0000	<.0000	<.0000	.0022	<.0000	.0042
#4	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	.0039

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	.0049	.0003	.0098	.0004	.7315	.0351
SDev	.0022	.0038	.0009	.0029	.0015	.6150	.0165
%RSD	124.0	76.64	255.8	29.41	394.6	84.06	46.90

#1	.0033	.0073	<.0000	.0136	.0015	.6975	.0476
#2	.0038	.0090	<.0000	.0101	<.0000	1.446	.0409
#3	.0010	.0025	.0008	.0089	.0015	.8336	.0109
#4	<.0000	.0010	.0013	.0066	<.0000	<.0000	.0409

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0020	<.0000	.0198	.0086	.0186	<.0000	<.0000
SDev	.0008	.0055	.0176	.0059	.0355	.0249	.0389
%RSD	38.29	40.85	89.02	68.05	191.4	37.73	1975.

#1	.0026	<.0000	.0032	.0089	<.0000	<.0000	<.0000
#2	.0026	<.0000	.0063	.0024	.0473	<.0000	.0355
#3	.0010	<.0000	.0381	.0067	.0511	<.0000	.0276
#4	.0018	<.0000	.0317	.0164	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0006	.0021
SDev	.0093	.0526	.0016	.0015
%RSD	44.99	126.2	256.0	69.98

#1	<.0000	.0025	.0002	.0029
#2	<.0000	.0025	.0019	.0037
#3	<.0000	<.0000	.0019	.0003
#4	<.0000	<.0000	<.0000	.0016

Analysis Report

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Method: IECW Sample Name: lfb
 Run Time: 10/01/01 14:04:07
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0039	.2289	.2210	.2511	.2454	.0454	.0176
SDev	.0019	.0213	.0205	.0030	.0000	.0002	.0035
%RSD	48.11	9.317	9.263	1.192	.0006	.3739	19.98

#1	.0023	.2095	.1958	.2540	.2454	.0451	.0146
#2	.0056	.2416	.2411	.2521	.2454	.0454	.0197
#3	.0056	.2523	.2135	.2469	.2454	.0454	.0215
#4	.0023	.2122	.2337	.2514	.2454	.0455	.0146

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1025	.0997	.2369	.2743	.2482	<.0000	<.0000
SDev	.0015	.0025	.0010	.0025	.0034	.6344	.0190
%RSD	1.490	2.541	.4145	.9085	1.357	22.20	2065.

#1	.1041	.0990	.2356	.2720	.2447	<.0000	.0074
#2	.1036	.0982	.2380	.2743	.2493	<.0000	.0074
#3	.1012	.1034	.2371	.2778	.2523	<.0000	.0108
#4	.1012	.0981	.2371	.2732	.2463	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2495	.0861	.0285	.2351	.2227	.1970	.1766
SDev	.0017	.0084	.0058	.0145	.0374	.0278	.0371
%RSD	.6666	9.761	20.32	6.160	16.80	14.09	21.02

#1	.2493	.0778	.0253	.2286	.1846	.1619	.1924
#2	.2477	.0934	.0221	.2222	.2218	.1882	.1686
#3	.2493	.0800	.0348	.2340	.2737	.2233	.1291
#4	.2517	.0934	.0317	.2556	.2106	.2147	.2161

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4057	.2204	.0897	.2539
SDev	.0169	.1002	.0021	.0022
%RSD	4.163	45.44	2.358	.8449

#1	.3876	.1684	.0876	.2509
#2	.4118	.2516	.0893	.2543
#3	.4263	.1163	.0927	.2543
#4	.3973	.3452	.0893	.2561

Analysis Report

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page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 10/01/01 14:06:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0011 ✓
SDev	.0011	.0121	.0334	.0010	.0010	.0000	.0029
%RSD	173.2	362.5	119.1	124.9	230.4	10.00	264.5

#1	.0016	.0050	.0038	<.0000	.0004	<.0000	.0045
#2	.0010	<.0000	<.0000	<.0000	<.0000	<.0000	.0009
#3	.0010	.0090	<.0000	.0008	.0004	<.0000	.0018
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000 ✓	<.0000 ✓	.0001 ✓	.0026 ✓	.0004 ✓	.0851	.0125
SDev	.0012	.0012	.0031	.0011	.0023	.4812	.0279
%RSD	142.7	87.58	2743.	44.43	603.7	565.7	222.6

#1	.0005	<.0000	.0018	.0043	.0030	.2212	.0476
#2	<.0000	<.0000	<.0000	.0020	<.0000	<.0000	.0042
#3	<.0000	<.0000	.0037	.0020	.0015	.6975	.0175
#4	<.0000	<.0000	<.0000	.0020	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000 ✓	<.0000 ✓	.0230 ✓	.0032 ✓	.0046	<.0000	<.0000
SDev	.0012	.0049	.0087	.0067	.0098	.0231	.0616
%RSD	174900.	59.12	37.97	206.4	211.6	61.88	115.7

#1	.0010	<.0000	.0317	<.0000	.0176	<.0000	<.0000
#2	.0010	<.0000	.0127	.0089	<.0000	<.0000	.0040
#3	<.0000	<.0000	.0285	.0089	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0190	<.0000	.0065	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000 ✓	.0002 ✓	<.0000 ✓
SDev	.0084	.0829	.0024	.0004
%RSD	138.1	1589.	1134.	47.77

#1	<.0000	.0857	.0036	<.0000
#2	.0012	.0234	<.0000	<.0000
#3	.0012	<.0000	.0002	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 23797

Operator: it

Run Time: 10/01/01 14:23:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0141	<.0000	5.530
SDev	.0014	.0105	.0419	.0016	.0000	.0001	.007
%RSD	13.85	17.34	119.6	272.2	.0013	9.897	.1204

#1	<.0000	<.0000	<.0000	<.0000	.0141	<.0000	5.536
#2	<.0000	<.0000	<.0000	<.0000	.0141	<.0000	5.524
#3	<.0000	<.0000	.0145	.0014	.0141	<.0000	5.524
#4	<.0000	<.0000	<.0000	<.0000	.0141	<.0000	5.535

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0182	<.0000	1.174
SDev	.0013	.0021	.0018	.0011	.0020	.4599	.020
%RSD	29.67	24.54	20.44	17.05	10.82	14.93	1.746

#1	<.0000	<.0000	<.0000	<.0000	.0189	<.0000	1.153
#2	<.0000	<.0000	<.0000	<.0000	.0174	<.0000	1.180
#3	<.0000	<.0000	<.0000	<.0000	.0159	<.0000	1.200
#4	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	1.163

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0287	<.0000	3.599	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0064	.071	.0154	.0202	.0124	.0392
%RSD	1.621	32.75	1.966	149.6	42.73	21.76	89.53

#1	.0283	<.0000	3.556	<.0000	<.0000	<.0000	<.0000
#2	.0291	<.0000	3.575	<.0000	<.0000	<.0000	.0036
#3	.0283	<.0000	3.562	<.0000	<.0000	<.0000	<.0000
#4	.0291	<.0000	3.705	.0043	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6053	<.0000	<.0000	.0001
SDev	.0092	.0876	.0011	.0007
%RSD	1.527	1943.	12.50	541.1

#1	.5932	.0423	<.0000	<.0000
#2	.6125	.0527	<.0000	<.0000
#3	.6028	<.0000	<.0000	.0002
#4	.6125	.0215	<.0000	.0011

Analysis Report

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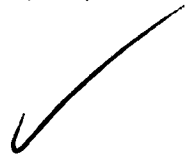
Method: IECW Sample Name: 23797spk

Operator: it

Run Time: 10/01/01 14:44:50

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0081	.2740	.2023	.2722	.2688	.0475	5.450
SDev	.0022	.0088	.0238	.0030	.0009	.0002	.027
%RSD	26.82	3.202	11.78	1.104	.3298	.4751	.5005

#1	.0052	.2721	.2033	.2743	.2692	.0476	5.441
#2	.0078	.2641	.2283	.2751	.2692	.0476	5.490
#3	.0097	.2853	.2071	.2688	.2674	.0472	5.426
#4	.0097	.2747	.1706	.2706	.2692	.0474	5.445

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1048	.1045	.2426	.3172	.2663	.4105	1.202
SDev	.0015	.0010	.0017	.0023	.0036	.7900	.017
%RSD	1.410	.9811	.6956	.7268	1.349	192.4	1.380

#1	.1035	.1053	.2412	.3161	.2667	<.0000	1.186
#2	.1069	.1038	.2412	.3207	.2636	.7389	1.190
#3	.1050	.1035	.2435	.3161	.2636	.8046	1.219
#4	.1040	.1055	.2445	.3161	.2712	.8703	1.213

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2834	.0964	3.622	.2403	.2555	.2160	.2221
SDev	.0017	.0021	.056	.0060	.0325	.0253	.0878
%RSD	.5867	2.203	1.535	2.494	12.73	11.72	39.55

#1	.2848	.0947	3.622	.2430	.2380	.2379	.2634
#2	.2848	.0947	3.603	.2398	.3008	.1941	.2712
#3	.2816	.0969	3.565	.2462	.2269	.2379	.0904
#4	.2824	.0992	3.697	.2322	.2565	.1940	.2633

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9207	.2182	.0957	.2654
SDev	.0024	.0540	.0024	.0019
%RSD	.2634	24.76	2.536	.7121

#1	.9220	.2234	.0961	.2643
#2	.9220	.2546	.0986	.2661
#3	.9171	.1402	.0953	.2635
#4	.9219	.2546	.0927	.2678

didn't check

Analysis Report

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Method: IECW Sample Name: 23798

Run Time: 10/01/01 14:48:15

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0843	.0106	.0261	<.0000	22.05
SDev	.0021	.0090	.0233	.0013	.0000	.0000	.07
%RSD	50.90	40.35	27.61	12.15	.0279	50.00	.3227

#1	<.0000	<.0000	.0974	.0102	.0261	<.0000	22.09
#2	<.0000	<.0000	.0635	.0102	.0261	<.0000	21.94
#3	<.0000	<.0000	.0658	.0124	.0261	<.0000	22.09
#4	<.0000	<.0000	.1103	.0094	.0261	<.0000	22.07

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	<.0000	<.0000	.0525	<.0000	7.328
SDev	.0012	.0012	.0015	.0020	.0008	.4154	.027
%RSD	167.2	53.70	100.3	63.18	1.468	361.4	.3664

#1	.0006	<.0000	<.0000	<.0000	.0521	<.0000	7.305
#2	.0011	<.0000	.0004	<.0000	.0537	.1478	7.305
#3	<.0000	<.0000	<.0000	<.0000	.0521	.2791	7.351
#4	.0020	<.0000	<.0000	<.0000	.0521	<.0000	7.351

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0821	.0006	27.38	<.0000	.0120	<.0000	.0378
SDev	.0009	.0064	.14	.0093	.0106	.0374	.0519
%RSD	1.135	987.5	.5103	166.5	88.36	262.8	137.3

#1	.0812	<.0000	27.52	.0057	.0240	<.0000	.0496
#2	.0829	.0012	27.24	<.0000	<.0000	<.0000	.0339
#3	.0812	.0012	27.48	<.0000	.0129	.0361	<.0000
#4	.0829	.0079	27.29	<.0000	.0129	<.0000	.0967

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.391	.0324	<.0000	<.0000
SDev	.010	.1037	.0014	.0007
%RSD	.4326	320.6	46.73	67.87

#1	2.382	.0168	<.0000	<.0000
#2	2.386	<.0000	<.0000	<.0000
#3	2.406	.1207	<.0000	<.0000
#4	2.391	.0999	<.0000	<.0000

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Method: IECW Sample Name: 23799

Run Time: 10/01/01 14:50:35

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0019	.0126	.0010	.0049	.0150	<.0000	5.547
SDev	.0021	.0123	.0276	.0006	.0009	.0000	.008
%RSD	114.0	97.76	2891.	12.44	5.927	100.0	.1446
#1	<.0000	<.0000	.0044	.0041	.0136	<.0000	5.556
#2	.0019	.0106	.0383	.0056	.0154	<.0000	5.538
#3	.0045	.0225	<.0000	.0049	.0154	<.0000	5.552
#4	.0019	.0212	<.0000	.0049	.0154	<.0000	5.544
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0011	.0007	.0016	.0170	.2463	1.188
SDev	.0016	.0019	.0011	.0017	.0015	.4503	.010
%RSD	308.5	181.8	148.2	108.5	8.550	182.8	.8390
#1	<.0000	.0024	.0004	<.0000	.0159	<.0000	1.180
#2	<.0000	.0020	.0018	.0025	.0174	.5419	1.180
#3	<.0000	.0016	.0013	.0025	.0159	.6076	1.200
#4	.0019	<.0000	<.0000	.0025	.0189	.2135	1.193
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0259	<.0000	3.605	.0037	.0157	<.0000	.0249
SDev	.0004	.0031	.043	.0022	.0358	.0258	.0408
%RSD	1.555	109.5	1.179	59.40	228.5	106.0	163.8
#1	.0261	<.0000	3.578	.0051	.0277	<.0000	.0132
#2	.0253	<.0000	3.565	.0062	<.0000	.0020	.0131
#3	.0261	<.0000	3.660	.0019	.0609	<.0000	.0838
#4	.0261	<.0000	3.616	.0019	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.6227	<.0000	<.0000	.0007			
SDev	.0046	.0681	.0018	.0006			
%RSD	.7416	222.7	3079.	96.78			
#1	.6288	<.0000	<.0000	.0014			
#2	.6240	<.0000	<.0000	.0010			
#3	.6191	.0577	.0004	.0001			
#4	.6191	<.0000	.0020	.0001			

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Method: IECW Sample Name: ipc
 Run Time: 10/01/01 15:39:16
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4989	1.051	.0560	.9970	.9940	1.019	1.039
SDev	.0019	.026	.0209	.0050	.0032	.003	.006
%RSD	.3771	2.454	37.33	.5046	.3261	.3295	.5565

#1	.4991	1.070	.0327	.9959	.9898	1.021	1.039
#2	.5010	1.076	.0599	1.001	.9965	1.023	1.047
#3	.4965	1.022	.0490	.9904	.9965	1.015	1.033
#4	.4991	1.037	.0826	1.001	.9931	1.017	1.037

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.025	1.023	.9977	.9810	1.041	<.0000	1.006
SDev	.001	.004	.0024	.0036	.011	.3874	.014
%RSD	.0519	.3845	.2376	.3703	1.098	43.82	1.398

#1	1.024	1.018	.9945	.9761	1.052	<.0000	.9925
#2	1.025	1.027	1.000	.9848	1.050	<.0000	1.018
#3	1.025	1.022	.9979	.9815	1.030	<.0000	.9958
#4	1.024	1.024	.9983	.9815	1.033	<.0000	1.018

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.017	1.013	1.054	1.040	1.032	1.030	.0201
SDev	.003	.025	.036	.009	.017	.042	.0692
%RSD	.3379	2.464	3.376	.8670	1.687	4.103	343.3

#1	1.014	1.035	1.082	1.039	1.008	1.048	.0946
#2	1.019	1.032	1.050	1.048	1.030	1.075	<.0000
#3	1.021	.9999	1.005	1.028	1.041	.9763	.0634
#4	1.014	.9837	1.079	1.046	1.048	1.021	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.070	1.076	.9911	1.023
SDev	.013	.026	.0028	.004
%RSD	1.218	2.427	.2812	.3986

#1	1.079	1.049	.9873	1.018
#2	1.050	1.093	.9932	1.026
#3	1.075	1.104	.9932	1.020
#4	1.075	1.060	.9907	1.027

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 10/01/01 15:42:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0021	.0217	.0223	.0002	.0053	<.0000	1.763
SDev	.0041	.0270	.0385	.0054	.0115	.0003	3.530
%RSD	194.6	124.2	172.9	2869.	215.9	49.53	200.3
#1	<.0000	<.0000	.0053	<.0000	<.0000	<.0000	<.0000
#2	.0052	.0487	.0098	<.0000	<.0000	<.0000	<.0000
#3	.0000	.0075	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0058	.0396	.0792	.0081	.0226	<.0000	7.058
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0000	.0030	<.0000	.0982	.3159
SDev	.0019	.0016	.0016	.0031	.0022	1.145	.6473
%RSD	393.0	73.74	4209.	104.2	157.3	1166.	204.9
#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0036	<.0000	<.0000	.0162
#3	<.0000	<.0000	.0000	.0025	<.0000	.1965	<.0000
#4	.0017	<.0000	.0020	.0067	.0018	1.637	1.286
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	<.0000	.2753	<.0000	.0227	.0270	<.0000
SDev	.0004	.0044	.5346	.0077	.0282	.0300	.0444
%RSD	253.4	31.33	194.2	525.9	124.2	111.0	20480.
#1	<.0000	<.0000	<.0000	.0003	<.0000	<.0000	.0295
#2	<.0000	<.0000	.0648	<.0000	.0181	.0224	<.0000
#3	.0006	<.0000	.0264	<.0000	.0363	.0677	<.0000
#4	.0005	<.0000	1.073	.0067	.0508	.0223	.0444
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.3490	.0132	.0017	.0008			
SDev	.6917	.0363	.0025	.0020			
%RSD	198.2	275.8	150.6	251.8			
#1	<.0000	<.0000	<.0000	<.0000			
#2	.0192	<.0000	.0029	<.0000			
#3	.0000	.0110	.0029	<.0000			
#4	1.386	.0636	.0029	.0038			