

WTC samples

12/31/05 IT

=	131K	29464
95.6	5 STD	29465
=1829.9	IPC+CB	29562
98.5	LFB+LRB	29563
=1884.7	29086+Dup+spk	IPC+CB
	29087	30497+Dup+spk
=43.5	29088	30869
	29187	30878
CB	29188	30887
	29189	31119
	29284	30658
	29285	31263
	29286	31282
	29455	31291
	IPC+CB	31305
	29456+Lab Dup+spk	IPC+CB
	29457	LFB+LRB
	29459	
	29460	
	29461	
	29463	

Reviewed by,
JS 3/14/02

Standardization Rpt.

12/31/01 10:48:24 AM

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Method: IECW Standard: STD1-Blank

Run Time: 12/31/01 10:46:41



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avgc	1.323	3.801	.4585	.2605	.1440	.1910	3.951
SDev	.004	.007	.0198	.0070	.0000	.0011	.021
%RSD	.3115	.1771	4.324	2.687	.0000	.6046	.5301

#1	1.328	3.800	.4720	.2640	.1440	.1920	3.972
#2	1.318	3.798	.4600	.2580	.1440	.1900	3.922
#3	1.324	3.798	.4300	.2680	.1440	.1920	3.956
#4	1.324	3.812	.4720	.2520	.1440	.1900	3.954

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avgc	.2600	2.460	.9465	.5780	.0010	5.526	1.301
SDev	.0046	.025	.0103	.0023	.0038	.014	.008
%RSD	1.776	1.013	1.083	.3996	383.0	.2542	.5954

#1	.2640	2.494	.9480	.5800	.0040	5.540	1.310
#2	.2640	2.456	.9360	.5760	-.0040	5.516	1.292
#3	.2560	2.434	.9600	.5800	.0000	5.512	1.304
#4	.2560	2.456	.9420	.5760	.0040	5.536	1.298

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avgc	.0900	.1280	1.855	.4515	.7215	.1430	.1185
SDev	.0023	.0033	.014	.0066	.0089	.0038	.0068
%RSD	2.566	2.552	.7543	1.464	1.227	2.678	5.744

#1	.0920	.1280	1.864	.4420	.7300	.1400	.1180
#2	.0880	.1240	1.848	.4560	.7160	.1480	.1160
#3	.0920	.1280	1.868	.4520	.7280	.1440	.1280
#4	.0880	.1320	1.838	.4560	.7120	.1400	.1120

Elem	Si2881	Ti1908	V_2924	Zn2138
Avgc	1.343	.1350	.6730	.1530
SDev	.009	.0038	.0035	.0020
%RSD	.6715	2.837	.5147	1.307

#1	1.354	.1320	.6760	.1560
#2	1.332	.1360	.6700	.1520
#3	1.344	.1320	.6700	.1520
#4	1.342	.1400	.6760	.1520

Standardization Rpt.

12/31/01 10:59:55 AM

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Method: IECW Standard: STD

Run Time: 12/31/01 10:58:33

Elem	Ag3280
Avge	43.16
SDev	.13
%RSD	.3122

#1	43.12
#2	43.29
#3	42.99
#4	43.24

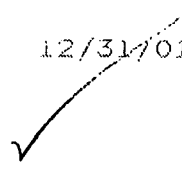
Standardization Rpt.

12/31/01 11:02:31 AM

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Method: IECW Standard: STD3

Run Time: 12/31/01 11:00:48



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	22.75	218.4	13.27	5.755	12.48	15.56	1.462
SDev	.10	1.2	.07	.055	.08	.08	.010
%RSD	.4186	.5422	.5591	.9490	.6392	.4959	.6608

#1	22.69	218.1	13.24	5.718	12.48	15.55	1.458
#2	22.73	218.1	13.27	5.728	12.44	15.54	1.460
#3	22.68	217.3	13.21	5.738	12.41	15.48	1.454
#4	22.88	220.1	13.38	5.836	12.60	15.66	1.476

Elem	Tl1908
Avge	1.151
SDev	.026
%RSD	2.232

#1	1.156
#2	1.178
#3	1.116
#4	1.152

Standardization Rpt.

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Method: IECW Standard: STD4

Run Time: 12/31/01 11:03:13

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	5.281	35.68	44.30	.9425	5.344
SDev	.093	.05	.06	.0050	.012
%RSD	1.769	.1534	.1414	.5305	.2266
#1	5.148	35.73	44.38	.9420	5.328
#2	5.328	35.70	44.31	.9360	5.342
#3	5.288	35.65	44.25	.9440	5.356
#4	5.360	35.61	44.25	.9480	5.350

Standardization Rpt.

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Method: IECW Standard: STD2
Run Time: 12/31/01 11:06:15

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	28.70	89.76	35.94	123.6	26.49	11.19	7.575
SDev	.10	.29	.11	.5	.08	.01	.026
%RSD	.3559	.3186	.3117	.3845	.3059	.1221	.3391

#1	28.85	90.00	36.05	124.3	26.61	11.19	7.576
#2	28.67	89.98	36.01	123.7	26.48	11.21	7.610
#3	28.66	89.41	35.81	123.2	26.44	11.18	7.552
#4	28.62	89.63	35.89	123.3	26.43	11.20	7.560

Elem	Mn2576	Pb2203	Zn2138
Avge	28.02	5.451	28.32
SDev	.10	.027	.09
%RSD	.3570	.4999	.3315

#1	28.14	5.478	28.43
#2	28.05	5.462	28.34
#3	27.91	5.448	28.22
#4	27.98	5.414	28.27

Standardization Rpt.

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Method: IECW Standard: STD5

Run Time: 12/31/01 11:08:36



Elem	V_2924
Avge	30.99
SDev	.11
%RSD	.3461

#1	30.94
#2	30.91
#3	30.95
#4	31.14

Analysis Report

12/31/01 11:13:00 AM

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Method: IECW Sample Name: ipc
 Run Time: 12/31/01 11:11:15
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4840	1.028	.0681	1.020	1.007	.9835	1.016
SDev	.0010	.011	.0268	.003	.001	.0019	.006
%RSD	.2036	1.118	39.42	.3236	.0875	.1880	.5458
#1	.4848	1.027	.0920	1.015	1.007	.9844	1.022
#2	.4848	1.040	.0711	1.022	1.007	.9857	1.017
#3	.4834	1.012	.0300	1.022	1.007	.9820	1.014
#4	.4829	1.031	.0795	1.021	1.009	.9820	1.009
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.001	1.004	1.003	.9819	1.034	<.0000	.9600
SDev	.002	.003	.002	.0015	.008	.0085	.0143
%RSD	.2070	.3132	.2433	.1488	.7276	15.05	1.494
#1	1.0000	1.006	1.000	.9817	1.026	<.0000	.9672
#2	1.003	1.008	1.006	.9840	1.029	<.0000	.9768
#3	.9983	1.002	1.005	.9809	1.040	<.0000	.9481
#4	1.002	1.001	1.003	.9809	1.042	<.0000	.9481
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.006	1.012	1.034	1.014	1.002	.9853	.0797
SDev	.004	.002	.013	.015	.018	.0291	.0233
%RSD	.3505	.1757	1.244	1.431	1.770	2.957	29.18
#1	1.007	1.009	1.028	1.006	.9945	1.008	.1101
#2	1.009	1.013	1.036	1.027	1.028	.9472	.0615
#3	1.001	1.013	1.051	.9982	.9902	.9777	.0858
#4	1.007	1.013	1.021	1.026	.9945	1.008	.0615
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.9880	1.057	1.010	.9898			
SDev	.0250	.049	.003	.0024			
%RSD	2.529	4.670	.3262	.2450			
#1	1.020	.9930	1.012	.9894			
#2	.9804	1.052	1.012	.9909			
#3	.9905	1.112	1.005	.9866			
#4	.9605	1.072	1.010	.9923			

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 12/31/01 11:13:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0025	.0158	.0278	.0042	.0016	.0007	.0034
SDev	.0016	.0135	.0608	.0010	.0003	.0004	.0032
%RSD	64.12	85.03	218.9	22.75	22.19	50.94	93.31

#1	.0044	.0180	<.0000	.0055	.0021	.0012	.0043
#2	.0006	<.0000	.0446	.0044	.0014	.0006	<.0000
#3	.0020	.0201	<.0000	.0032	.0014	.0006	.0048
#4	.0030	.0285	.1064	.0038	.0014	.0004	.0057

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	.0030	.0010	.0151	.0041	.5910	<.0000
SDev	.0008	.0009	.0014	.0029	.0014	.3187	.0165
%RSD	46.11	30.08	137.6	19.41	34.73	53.92	1030.

#1	.0028	.0033	.0022	.0193	.0053	.7410	.0175
#2	.0011	.0017	<.0000	.0147	.0038	.1764	<.0000
#3	.0011	.0033	.0017	.0131	.0023	.5293	<.0000
#4	.0022	.0036	.0013	.0131	.0053	.9174	.0048

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0009	.0231	.0367	.0036	<.0000	<.0000	.1152
SDev	.0004	.0021	.0171	.0025	.0106	.0264	.0793
%RSD	39.93	8.910	46.52	69.58	201.1	56430.	68.79

#1	.0014	.0249	.0202	.0030	<.0000	<.0000	.0181
#2	.0007	.0249	.0485	.0003	<.0000	.0380	.1153
#3	.0007	.0213	.0240	.0056	<.0000	<.0000	.2123
#4	.0007	.0213	.0541	.0056	.0053	<.0000	.1152

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0493	.0031	.0014
SDev	.0189	.0558	.0006	.0014
%RSD	94.57	113.1	20.13	95.75

#1	<.0000	.0493	.0036	.0025
#2	<.0000	.0099	.0023	<.0000
#3	<.0000	.0099	.0030	.0011
#4	<.0000	.1283	.0036	.0025

Analysis Report

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page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 12/31/01 11:18:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0213	.2679	.2483	.2577	.2497	.0484	.0100
SDev	.0011	.0054	.0602	.0022	.0007	.0002	.0027
%RSD	5.310	2.020	24.24	.8636	.2805	.4737	26.45

#1	.0197	.2629	.2732	.2559	.2494	.0481	.0062
#2	.0221	.2661	.2483	.2604	.2494	.0486	.0108
#3	.0221	.2671	.1653	.2559	.2494	.0484	.0108
#4	.0212	.2756	.3062	.2587	.2508	.0483	.0122

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1027	.1050	.2523	.2528	.2637	<.0000	<.0000
SDev	.0018	.0023	.0042	.0015	.0031	.4068	.0096
%RSD	1.747	2.153	1.650	.5846	1.189	53.01	74.46

#1	.1009	.1023	.2467	.2508	.2599	<.0000	<.0000
#2	.1015	.1045	.2559	.2539	.2644	<.0000	<.0000
#3	.1043	.1054	.2518	.2539	.2629	<.0000	<.0000
#4	.1043	.1078	.2550	.2524	.2674	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2527	.1065	.0677	.2631	.2547	.2387	.3507
SDev	.0018	.0058	.0211	.0059	.0237	.0288	.0751
%RSD	.6938	5.451	31.24	2.231	9.295	12.07	21.43

#1	.2513	.0994	.0729	.2572	.2589	.2806	.4539
#2	.2535	.1136	.0691	.2598	.2209	.2197	.2840
#3	.2549	.1065	.0390	.2651	.2758	.2349	.3082
#4	.2513	.1065	.0898	.2704	.2631	.2197	.3567

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1900	.2462	.1002	.2533
SDev	.0126	.0721	.0013	.0016
%RSD	6.615	29.29	1.260	.6217

#1	.1925	.2857	.0986	.2524
#2	.2024	.2066	.0999	.2538
#3	.1925	.3251	.1012	.2553
#4	.1725	.1672	.1012	.2517

Analysis Report

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Method: IECW Sample Name: 1rb

Operator: it

Run Time: 12/31/01 11:21:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0032	.0161	.0122	.0004	.0012	.0002	.0037
SDev	.0008	.0070	.0333	.0015	.0003	.0001	.0010
%RSD	25.66	43.64	272.0	350.9	28.60	54.71	26.27

#1	.0039	.0222	.0028	.0010	.0014	.0002	.0043
#2	.0025	.0063	<.0000	.0021	.0007	.0000	.0024
#3	.0025	.0158	.0610	<.0000	.0014	.0002	.0045
#4	.0039	.0201	<.0000	<.0000	.0014	.0001	.0034

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	.0021	.0017	.0056	.0049	.5293	.0096
SDev	.0008	.0006	.0016	.0004	.0026	.0998	.0080
%RSD	120.1	26.66	92.75	6.896	52.55	18.86	83.93

#1	<.0000	.0013	.0031	.0062	.0053	.6704	.0112
#2	.0011	.0023	<.0000	.0054	.0083	.4587	.0175
#3	.0011	.0026	.0022	.0054	.0023	.5293	<.0000
#4	.0011	.0023	.0022	.0054	.0038	.4587	.0112

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0007	.0071	.0353	.0003	<.0000	.0304	<.0000
SDev	.0000	.0058	.0075	.0031	.0163	.0291	.0768
%RSD	.0879	81.78	21.34	930.3	385.6	95.88	1252.

#1	.0007	<.0000	.0390	.0030	.0180	.0075	<.0000
#2	.0007	.0071	.0240	<.0000	<.0000	.0076	.0424
#3	.0007	.0071	.0391	<.0000	<.0000	.0380	.0667
#4	.0007	.0142	.0391	.0030	<.0000	.0684	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0175	<.0000	.0015	<.0000
SDev	.0058	.0780	.0008	.0004
%RSD	33.00	525.0	56.02	22030.

#1	.0225	<.0000	.0016	.0004
#2	.0125	.0098	.0003	<.0000
#3	.0125	.0099	.0016	.0004
#4	.0225	.0493	.0023	<.0000

Analysis Report

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Method: IECW Sample Name: 29086

Operator: it

Run Time: 12/31/01 11:32:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0005	.0074	.0550	.0047	.0146	.0001	5.906
SDev	.0010	.0038	.0132	.0017	.0003	.0001	.016
%RSD	205.2	51.08	24.07	35.70	2.390	54.43	.2790

#1	<.0000	.0098	.0601	.0051	.0148	.0002	5.886
#2	.0015	.0066	.0602	.0063	.0148	.0001	5.911
#3	.0005	.0024	.0354	.0023	.0141	.0001	5.902
#4	.0010	.0109	.0643	.0051	.0148	.0000	5.926

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	.0014	.0009	.0035	.0240	<.0000	1.262
SDev	.0012	.0020	.0004	.0012	.0021	.2771	.006
%RSD	87.15	142.1	51.59	32.87	8.890	50.66	.4841

#1	.0011	<.0000	.0005	.0045	.0270	<.0000	1.267
#2	.0027	.0015	.0010	.0029	.0225	<.0000	1.260
#3	<.0000	.0033	.0014	.0022	.0225	<.0000	1.267
#4	.0016	.0021	.0005	.0045	.0240	<.0000	1.254

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0210	.0044	4.064	.0043	.0074	<.0000	.1086
SDev	.0004	.0034	.022	.0041	.0112	.0196	.0306
%RSD	1.968	78.18	.5327	94.93	151.3	8641.	28.13

#1	.0207	<.0000	4.071	.0040	<.0000	.0074	.1146
#2	.0207	.0035	4.085	.0080	.0137	.0226	.1389
#3	.0214	.0070	4.068	<.0000	.0180	<.0000	.1147
#4	.0214	.0070	4.034	.0066	.0053	<.0000	.0661

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6675	<.0000	<.0000	.0008
SDev	.0155	.0197	.0011	.0009
%RSD	2.329	924.1	202.4	112.0

#1	.6850	.0077	.0009	<.0000
#2	.6600	.0077	<.0000	.0010
#3	.6500	.0077	<.0000	.0010
#4	.6750	<.0000	<.0000	.0017

Analysis Report

12/31/01 11:35:56 AM

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Method: IECW Sample Name: 29086dup

Operator: it

Run Time: 12/31/01 11:34:12

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0005	.0132	.0373	.0067	.0148	.0000	5.947
SDev	.0006	.0070	.0218	.0018	.0000	.0000	.033
%RSD	109.9	53.11	58.54	26.99	.0213	.0000	.5499

#1	.0000	.0119	.0269	.0074	.0148	.0000	5.927
#2	.0000	.0151	.0684	.0040	.0148	.0000	5.971
#3	.0010	.0214	.0185	.0074	.0148	.0000	5.911
#4	.0010	.0045	.0353	.0080	.0148	.0000	5.978

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0017	.0018	.0035	.0228	<.0000	1.274
SDev	.0008	.0021	.0009	.0004	.0014	.1170	.008
%RSD	414.4	124.5	49.41	10.97	6.326	73.71	.5912

#1	<.0000	.0033	.0023	.0037	.0225	<.0000	1.273
#2	<.0000	.0020	.0005	.0037	.0209	<.0000	1.279
#3	.0011	<.0000	.0019	.0037	.0240	<.0000	1.263
#4	<.0000	.0028	.0023	.0029	.0240	<.0000	1.279

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0217	.0035	4.095	<.0000	.0074	.0226	.0539
SDev	.0004	.0029	.015	.0033	.0132	.0124	.0465
%RSD	1.902	83.77	.3584	168.8	177.9	54.97	86.15

#1	.0221	<.0000	4.077	<.0000	.0264	.0226	.0175
#2	.0214	.0035	4.105	.0027	.0010	.0378	.0175
#3	.0214	.0070	4.090	<.0000	<.0000	.0226	.1148
#4	.0221	.0035	4.109	<.0000	.0053	.0074	.0661

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6725	<.0000	.0001	.0006
SDev	.0029	.0987	.0010	.0007
%RSD	.4309	4571.	959.6	114.6

#1	.6750	<.0000	.0009	.0003
#2	.6700	.1262	<.0000	.0017
#3	.6750	<.0000	<.0000	.0003
#4	.6700	.0077	.0009	.0003

Analysis Report

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Method: IECW Sample Name: 29086spk

Operator: it

Run Time: 12/31/01 11:55:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0203	.2801	.2814	.2657	.2651	.0492	5.880
SDev	.0014	.0104	.0947	.0051	.0007	.0001	.013
%RSD	7.050	3.707	33.66	1.932	.2528	.2636	.2152

#1	.0182	.2833	.2306	.2714	.2656	.0494	5.887
#2	.0211	.2685	.1976	.2668	.2642	.0492	5.863
#3	.0211	.2759	.2846	.2589	.2656	.0491	5.877
#4	.0211	.2928	.4129	.2657	.2649	.0491	5.891

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1039	.1045	.2539	.2497	.2835	<.0000	1.258
SDev	.0006	.0026	.0007	.0007	.0038	.2417	.013
%RSD	.5395	2.462	.2726	.2959	1.328	44.92	1.045

#1	.1042	.1021	.2542	.2507	.2846	<.0000	1.241
#2	.1031	.1025	.2542	.2491	.2831	<.0000	1.260
#3	.1042	.1072	.2528	.2499	.2786	<.0000	1.260
#4	.1042	.1061	.2542	.2491	.2876	<.0000	1.273

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2761	.0984	4.067	.2605	.2441	.2271	.3440
SDev	.0018	.0045	.016	.0029	.0174	.0196	.0700
%RSD	.6481	4.554	.3954	1.127	7.142	8.638	20.36

#1	.2756	.0993	4.060	.2635	.2589	.2347	.4047
#2	.2741	.1029	4.071	.2568	.2335	.2195	.2833
#3	.2763	.0993	4.049	.2595	.2251	.2043	.2833
#4	.2784	.0922	4.086	.2621	.2589	.2499	.4046

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8575	.2144	.1012	.2536
SDev	.0126	.0378	.0021	.0019
%RSD	1.468	17.63	2.062	.7368

#1	.8700	.1650	.0992	.2552
#2	.8400	.2045	.0998	.2552
#3	.8600	.2440	.1018	.2523
#4	.8599	.2440	.1038	.2516

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Method: IECW Sample Name: 29087

Operator: it

Run Time: 12/31/01 12:00:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0022	.0248	.0698	.0190	.0296	.0002	24.63
SDev	.0007	.0051	.0291	.0022	.0000	.0001	.06
%RSD	32.07	20.35	41.63	11.72	.0187	28.57	.2379

#1	.0012	.0209	.1134	.0200	.0296	.0001	24.61
#2	.0026	.0314	.0552	.0217	.0296	.0001	24.68
#3	.0026	.0209	.0553	.0172	.0296	.0002	24.68
#4	.0026	.0262	.0553	.0172	.0297	.0001	24.56

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0027	.0037	.0038	.0696	1.235	8.212
SDev	.0010	.0024	.0014	.0007	.0014	.276	.006
%RSD	62.33	87.84	36.73	19.40	2.073	22.38	.0734

#1	.0007	<.0000	.0019	.0032	.0715	.9527	8.211
#2	.0007	.0045	.0037	.0048	.0685	1.588	8.221
#3	.0024	.0035	.0042	.0040	.0700	1.306	8.208
#4	.0024	.0035	.0051	.0032	.0685	1.094	8.208

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0545	.0075	26.87	.0075	.0137	.0557	.1416
SDev	.0000	.0045	.10	.0051	.0120	.0337	.0459
%RSD	.0012	60.02	.3856	67.18	87.13	60.58	32.44

#1	.0545	.0030	26.90	.0115	.0137	.0062	.1355
#2	.0545	.0137	26.87	.0115	.0053	.0671	.2083
#3	.0545	.0066	26.99	.0009	.0053	.0823	.1113
#4	.0545	.0066	26.74	.0062	.0306	.0671	.1113

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.531	.0953	.0021	.0006
SDev	.017	.0510	.0011	.0012
%RSD	1.112	53.51	53.90	184.2

#1	1.507	.0360	.0006	.0021
#2	1.532	.0755	.0026	<.0000
#3	1.547	.1545	.0019	.0006
#4	1.537	.1150	.0032	.0006

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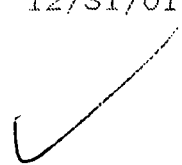
Method: IECW Sample Name: 29088

Operator: it

Run Time: 12/31/01 12:02:28

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0011	.0101	.0301	.0071	.0148	.0001	5.969
SDev	.0022	.0113	.0608	.0023	.0000	.0001	.031
%RSD	202.0	112.2	202.4	32.71	.0214	40.00	.5260

#1	<.0000	<.0000	.0852	.0051	.0148	.0000	5.954
#2	.0019	.0119	.0767	.0051	.0148	.0001	6.010
#3	.0010	.0087	<.0000	.0085	.0148	.0001	5.976
#4	.0034	.0235	<.0000	.0097	.0148	.0001	5.938

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0007	<.0000	.0020	.0224	<.0000	1.297
SDev	.0022	.0021	.0020	.0013	.0000	.3880	.014
%RSD	3429.	287.5	1014.	66.71	.0274	50.56	1.090

#1	<.0000	<.0000	<.0000	.0006	.0225	<.0000	1.279
#2	.0022	.0003	<.0000	.0014	.0224	<.0000	1.311
#3	<.0000	.0003	.0005	.0022	.0224	<.0000	1.292
#4	.0011	.0036	.0023	.0037	.0224	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0239	<.0000	4.166	.0030	<.0000	.0416	.1146
SDev	.0004	.0029	.023	.0023	.0021	.0314	.0687
%RSD	1.728	3156.	.5470	75.67	19.99	75.36	59.90

#1	.0235	<.0000	4.177	.0000	<.0000	.0226	.1632
#2	.0242	.0035	4.173	.0040	<.0000	.0074	.0175
#3	.0235	<.0000	4.181	.0053	<.0000	.0682	.1146
#4	.0242	<.0000	4.132	.0027	<.0000	.0682	.1631

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7024	.0077	.0004	.0006
SDev	.0155	.0559	.0016	.0007
%RSD	2.209	727.4	381.7	114.7

#1	.6800	.0472	<.0000	.0010
#2	.7099	.0077	<.0000	.0010
#3	.7049	.0472	<.0000	<.0000
#4	.7149	<.0000	.0029	.0010

Analysis Report

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Method: IECW Sample Name: 29187

Run Time: 12/31/01 12:04:55

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0025	.0246	.0377	.0179	.0291	.0001	24.51
SDev	.0022	.0069	.0507	.0008	.0007	.0001	.07
%RSD	89.66	28.13	134.4	4.738	2.300	54.43	.2751

#1	.0045	.0325	.1008	.0172	.0296	.0002	24.60
#2	<.0000	.0156	.0057	.0172	.0290	.0000	24.46
#3	.0040	.0251	<.0000	.0189	.0283	.0001	24.52
#4	.0016	.0251	.0553	.0183	.0297	.0001	24.45

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	.0024	.0050	.0032	.0602	1.297	8.203
SDev	.0017	.0017	.0023	.0013	.0026	.410	.006
%RSD	147.1	70.25	45.60	39.03	4.325	31.61	.0744

#1	<.0000	.0032	.0046	.0032	.0625	1.800	8.208
#2	.0007	.0009	.0051	.0017	.0580	.8116	8.208
#3	.0007	.0045	.0079	.0048	.0625	1.376	8.202
#4	.0035	.0012	.0023	.0032	.0580	1.200	8.195

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0461	.0012	26.73	.0059	.0053	.0291	.2023
SDev	.0004	.0046	.03	.0013	.0138	.0317	.0500
%RSD	.7750	373.6	.1087	21.51	262.0	109.0	24.74

#1	.0466	<.0000	26.74	.0062	.0053	.0366	.2083
#2	.0459	.0030	26.72	.0049	.0053	.0215	.2569
#3	.0459	.0066	26.70	.0075	<.0000	.0671	.2084
#4	.0459	<.0000	26.77	.0049	.0222	<.0000	.1356

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.492	.1002	.0028	.0006
SDev	.010	.0567	.0015	.0012
%RSD	.6697	56.58	53.12	183.5

#1	1.507	.0558	.0046	.0006
#2	1.487	.1743	.0019	.0021
#3	1.487	.1151	.0032	<.0000
#4	1.487	.0558	.0013	.0006

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Method: IECW Sample Name: 29188

Operator: it

Run Time: 12/31/01 12:09:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0122	.0165	.0060	.0160	.0000	5.881
SDev	.0011	.0062	.0318	.0019	.0003	.0000	.008
%RSD	318.2	50.73	192.4	32.27	2.192	.0000	.1437

#1	.0005	.0214	.0434	.0040	.0155	.0000	5.894
#2	<.0000	.0098	<.0000	.0051	.0162	.0000	5.878
#3	.0000	.0087	<.0000	.0063	.0162	.0000	5.877
#4	.0000	.0088	.0435	.0085	.0162	.0000	5.876

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0008	.0009	.0008	.0022	.0251	<.0000	1.310
SDev	.0006	.0010	.0019	.0006	.0014	.3069	.017
%RSD	72.16	115.2	227.7	29.03	5.766	47.02	1.265

#1	.0011	.0003	.0014	.0022	.0240	<.0000	1.333
#2	.0011	<.0000	<.0000	.0014	.0255	<.0000	1.305
#3	<.0000	.0023	.0033	.0029	.0270	<.0000	1.295
#4	.0011	.0010	<.0000	.0022	.0240	<.0000	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0233	.0026	4.175	.0020	<.0000	.0112	.0357
SDev	.0007	.0034	.014	.0033	.0127	.0314	.0232
%RSD	2.934	132.2	.3279	167.6	133.2	280.9	65.10

#1	.0242	.0070	4.181	<.0000	.0053	.0378	.0175
#2	.0228	<.0000	4.156	.0053	<.0000	<.0000	.0418
#3	.0228	.0035	4.173	.0027	<.0000	.0378	.0175
#4	.0235	<.0000	4.188	.0027	<.0000	<.0000	.0661

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.6937	.0126	<.0000	.0006
SDev	.0243	.0519	.0003	.0004
%RSD	3.496	412.1	37.14	66.27

#1	.7249	.0668	<.0000	.0003
#2	.6999	<.0000	<.0000	.0010
#3	.6799	<.0000	<.0000	.0010
#4	.6699	.0472	<.0000	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 29189

Operator: it

Run Time: 12/31/01 12:11:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0154	.0103	.0051	.0160	.0001	5.891
SDev	.0006	.0113	.0241	.0020	.0003	.0001	.011
%RSD	83.13	73.32	234.5	39.06	2.175	66.67	.1866

#1	.0015	.0299	.0059	.0068	.0162	.0001	5.899
#2	.0005	.0045	<.0000	.0023	.0155	.0000	5.875
#3	.0010	.0087	.0062	.0063	.0162	.0000	5.891
#4	.0000	.0183	.0434	.0051	.0162	.0000	5.898

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0021	.0015	.0020	.0240	<.0000	1.292
SDev	.0021	.0028	.0008	.0004	.0027	.4129	.013
%RSD	593.2	133.1	51.32	19.49	11.49	48.25	.9870

#1	.0027	.0056	.0019	.0022	.0209	<.0000	1.311
#2	.0011	<.0000	.0023	.0014	.0225	<.0000	1.286
#3	<.0000	.0026	.0014	.0022	.0255	<.0000	1.286
#4	<.0000	.0011	.0005	.0022	.0270	<.0000	1.286

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0219	<.0000	4.143	.0036	<.0000	.0150	.0903
SDev	.0007	.0029	.016	.0095	.0122	.0197	.0841
%RSD	3.128	3053.	.3764	260.5	128.2	131.5	93.11

#1	.0228	.0035	4.134	.0159	.0010	<.0000	.0175
#2	.0221	<.0000	4.126	.0000	<.0000	.0226	.0661
#3	.0214	<.0000	4.154	.0053	<.0000	.0378	.2117
#4	.0214	<.0000	4.158	<.0000	.0010	.0073	.0660

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6924	<.0000	.0001	.0006
SDev	.0250	.0114	.0008	.0007
%RSD	3.607	27.37	813.3	114.5

#1	.7199	<.0000	.0009	.0010
#2	.6600	<.0000	.0003	<.0000
#3	.6900	<.0000	<.0000	.0010
#4	.7000	<.0000	.0003	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 29284

Operator: it

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

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0027	.0227	<.0000	.0056	.0164	.0001	5.891
SDev	.0003	.0038	.0615	.0005	.0003	.0000	.018
%RSD	10.39	16.70	1419.	9.705	2.138	.0000	.3119

#1	.0029	.0193	<.0000	.0057	.0162	.0001	5.917
#2	.0029	.0235	.0599	.0051	.0169	.0001	5.885
#3	.0024	.0204	.0268	.0063	.0162	.0001	5.888
#4	.0024	.0278	<.0000	.0051	.0162	.0001	5.873

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0029	.0028	.0039	.0236	<.0000	1.308
SDev	.0008	.0016	.0012	.0004	.0033	.1455	.006
%RSD	49.02	55.67	42.58	9.867	14.17	39.27	.4451

#1	.0011	.0028	.0014	.0045	.0270	<.0000	1.305
#2	.0027	.0030	.0042	.0037	.0194	<.0000	1.311
#3	.0016	.0010	.0033	.0037	.0225	<.0000	1.314
#4	.0011	.0049	.0023	.0037	.0255	<.0000	1.302

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	.0008	4.131	.0046	<.0000	.0225	.1085
SDev	.0000	.0018	.006	.0032	.0205	.0393	.0415
%RSD	.0012	225.1	.1554	67.95	195500.	174.3	38.21

#1	.0235	<.0000	4.139	.0000	.0264	.0378	.1631
#2	.0235	<.0000	4.132	.0053	.0053	.0073	.0660
#3	.0235	<.0000	4.128	.0066	<.0000	.0682	.1146
#4	.0235	.0035	4.124	.0066	<.0000	<.0000	.0903

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7487	.0323	.0018	.0008
SDev	.0103	.0494	.0006	.0012
%RSD	1.377	152.7	36.07	152.3

#1	.7399	.0274	.0022	.0024
#2	.7399	<.0000	.0016	.0010
#3	.7549	.0866	.0009	.0003
#4	.7599	.0471	.0022	<.0000

Analysis Report

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Method: IECW Sample Name: 29285

Run Time: 12/31/01 12:17:04

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0026	.0272	.0749	.0184	.0296	.0001	24.75
SDev	.0008	.0100	.0234	.0008	.0000	.0001	.11
%RSD	30.18	36.83	31.18	4.628	.0395	57.74	.4486

#1	.0016	.0282	.0884	.0172	.0296	.0001	24.91
#2	.0026	.0188	.1010	.0189	.0296	.0000	24.71
#3	.0035	.0410	.0551	.0189	.0296	.0001	24.69
#4	.0026	.0209	.0553	.0189	.0296	.0000	24.68

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	.0014	.0049	.0024	.0609	1.217	8.250
SDev	.0008	.0007	.0009	.0009	.0028	.306	.042
%RSD	62.22	48.33	18.86	36.31	4.541	25.10	.5067

#1	.0007	.0012	.0060	.0032	.0579	1.129	8.310
#2	.0024	.0019	.0042	.0017	.0625	1.129	8.215
#3	.0007	.0020	.0042	.0032	.0594	1.658	8.234
#4	.0013	.0005	.0055	.0017	.0640	.9527	8.240

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0473	.0057	27.00	.0092	.0264	.0214	.2690
SDev	.0000	.0061	.12	.0052	.0201	.0393	.0611
%RSD	.0061	107.1	.4456	56.76	76.22	183.1	22.70

#1	.0473	.0137	27.16	.0155	.0391	.0366	.2569
#2	.0473	.0066	26.95	.0049	.0306	<.0000	.2084
#3	.0473	<.0000	26.88	.0049	.0391	.0670	.3539
#4	.0473	.0030	27.03	.0115	<.0000	.0062	.2569

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.584	.1397	.0021	.0003
SDev	.010	.0296	.0003	.0014
%RSD	.6007	21.18	15.71	497.6

#1	1.597	.1544	.0026	<.0000
#2	1.587	.0953	.0019	.0006
#3	1.577	.1545	.0019	.0020
#4	1.577	.1545	.0019	<.0000

Analysis Report

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Method: IECW Sample Name: 29286

Operator: it

Run Time: 12/31/01 12:19:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0024	.0254	.0184	.0063	.0160	.0001	5.906
SDev	.0020	.0047	.0357	.0017	.0003	.0001	.022
%RSD	82.40	18.73	193.5	26.57	2.177	40.00	.3792

#1	.0048	.0309	.0184	.0080	.0162	.0001	5.918
#2	.0000	.0278	.0143	.0040	.0155	.0000	5.890
#3	.0029	.0214	<.0000	.0063	.0162	.0001	5.885
#4	.0019	.0214	.0641	.0068	.0162	.0001	5.932

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0034	.0021	.0033	.0277	<.0000	1.308
SDev	.0017	.0006	.0014	.0004	.0019	.4936	.008
%RSD	216.7	16.60	68.08	13.40	7.030	310.9	.6292

#1	.0022	.0036	.0019	.0037	.0270	.1764	1.311
#2	<.0000	.0036	.0010	.0029	.0300	<.0000	1.305
#3	.0022	.0026	.0014	.0037	.0285	.3176	1.298
#4	<.0000	.0039	.0042	.0029	.0255	<.0000	1.318

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0267	.0035	4.131	.0073	.0127	.0415	.0599
SDev	.0007	.0029	.031	.0040	.0203	.0191	.0305
%RSD	2.677	83.99	.7600	54.51	159.7	46.06	50.93

#1	.0264	.0070	4.109	.0132	.0137	.0682	.0660
#2	.0264	.0035	4.124	.0053	.0222	.0225	.0903
#3	.0264	<.0000	4.113	.0053	.0307	.0378	.0175
#4	.0278	.0035	4.177	.0053	<.0000	.0378	.0660

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8136	.0225	.0019	.0001
SDev	.0325	.0438	.0008	.0007
%RSD	3.992	195.0	44.48	797.6

#1	.8099	.0669	.0022	<.0000
#2	.7849	<.0000	.0009	.0003
#3	.7999	.0472	.0016	<.0000
#4	.8599	.0076	.0029	.0010

Analysis Report

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Method: IECW Sample Name: 29455
 Run Time: 12/31/01 12:21:52
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0013	.0235	.0185	.0057	.0159	.0001	5.883
SDev	.0007	.0046	.0372	.0011	.0004	.0001	.020
%RSD	53.50	19.40	201.5	19.82	2.548	40.00	.3336

#1	.0019	.0278	.0392	.0051	.0162	.0001	5.872
#2	.0010	.0235	.0599	.0051	.0155	.0001	5.900
#3	.0005	.0257	<.0000	.0074	.0155	.0000	5.861
#4	.0019	.0172	<.0000	.0051	.0162	.0001	5.899

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0015	.0022	.0029	.0251	<.0000	1.299
SDev	.0009	.0008	.0020	.0009	.0008	.1422	.008
%RSD	1426.	50.42	90.40	30.28	3.016	23.37	.6453

#1	<.0000	.0010	.0033	.0037	.0255	<.0000	1.295
#2	.0011	.0010	.0019	.0037	.0240	<.0000	1.311
#3	<.0000	.0026	.0042	.0022	.0255	<.0000	1.292
#4	<.0000	.0016	<.0000	.0022	.0255	<.0000	1.298

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0230	<.0000	4.132	.0040	.0095	.0454	.0478
SDev	.0004	.0053	.029	.0042	.0109	.0520	.0364
%RSD	1.559	539.1	.7098	105.2	114.9	114.5	76.12

#1	.0235	.0070	4.134	.0027	.0053	.1138	.0175
#2	.0228	<.0000	4.109	.0066	<.0000	<.0000	.0660
#3	.0228	<.0000	4.113	.0080	.0137	.0530	.0903
#4	.0228	<.0000	4.173	<.0000	.0222	.0226	.0175

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7674	.0175	.0014	.0012
SDev	.0096	.0378	.0006	.0004
%RSD	1.247	215.7	44.45	30.85

#1	.7599	.0472	.0016	.0010
#2	.7699	<.0000	.0009	.0010
#3	.7799	.0472	.0009	.0017
#4	.7599	.0077	.0022	.0010

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/31/01 12:24:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4881	1.049	.0429	1.020	1.004	.9958	1.029
SDev	.0012	.014	.0316	.005	.002	.0034	.003
%RSD	.2449	1.334	73.64	.5174	.2441	.3395	.3292

#1	.4882	1.043	<.0000	1.028	1.003	.9939	1.030
#2	.4877	1.038	.0669	1.018	1.005	.9977	1.029
#3	.4896	1.069	.0541	1.018	1.007	.9996	1.033
#4	.4867	1.046	.0544	1.018	1.002	.9922	1.024

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.007	1.011	1.007	.9755	1.036	1.0000	.9871
SDev	.003	.005	.004	.0030	.004	.2845	.0075
%RSD	.2945	.4831	.4378	.3030	.3824	20.41	.7632

#1	1.006	1.006	1.002	.9732	1.032	<.0000	.9927
#2	1.008	1.016	1.012	.9763	1.040	<.0000	.9927
#3	1.011	1.014	1.009	.9794	1.038	<.0000	.9863
#4	1.004	1.008	1.005	.9732	1.032	<.0000	.9768

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.012	.9915	1.050	1.046	1.015	1.065	.1342
SDev	.002	.0148	.021	.016	.027	.031	.0841
%RSD	.2190	1.494	1.954	1.555	2.709	2.941	62.63

#1	1.014	.9738	1.043	1.051	1.028	1.069	.0129
#2	1.012	.9951	1.040	1.064	1.028	1.028	.1585
#3	1.013	.9880	1.081	1.026	1.028	1.099	.1584
#4	1.009	1.009	1.038	1.041	.9733	1.069	.2071

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.090	1.072	1.011	.9992
SDev	.008	.196	.003	.0025
%RSD	.7491	18.30	.3392	.2487

#1	1.090	1.151	1.010	.9980
#2	1.080	.8745	1.012	1.002
#3	1.100	1.309	1.014	1.000
#4	1.090	.9535	1.006	.9965

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Method: IECW Sample Name: cb

Operator: it

Run Time: 12/31/01 13:06:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0055	.0317	.0711	.0028	.0014	.0003	.0055
SDev	.0007	.0080	.0204	.0024	.0000	.0001	.0003
%RSD	13.04	25.39	28.62	85.67	.0365	18.18	4.999

#1	.0059	.0306	.0732	<.0000	.0014	.0003	.0052
#2	.0059	.0349	.0731	.0038	.0014	.0002	.0052
#3	.0044	.0211	.0443	.0021	.0014	.0002	.0057
#4	.0059	.0401	.0938	.0055	.0014	.0002	.0057

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0024	.0040	.0033	.0054	.0019	<.0000	.0255
SDev	.0016	.0014	.0014	.0006	.0014	.0338	.0096
%RSD	67.61	34.73	41.40	11.66	77.00	7.816	37.51

#1	.0045	.0059	.0040	.0062	.0007	<.0000	.0303
#2	.0011	.0036	.0040	.0054	.0038	<.0000	.0303
#3	.0011	.0026	.0013	.0046	.0023	<.0000	.0112
#4	.0028	.0038	.0040	.0054	.0007	<.0000	.0303

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sn2068	Se1960
Avge	.0005	.0089	.0659	.0112	.0317	.0037	.0666
SDev	.0004	.0068	.0050	.0023	.0080	.0437	.0397
%RSD	66.93	76.73	7.517	20.08	25.25	1178.	59.52

#1	<.0000	.0142	.0710	.0122	.0264	.0684	.0666
#2	.0007	.0142	.0616	.0109	.0433	<.0000	.0181
#3	.0007	<.0000	.0692	.0083	.0307	<.0000	.1152
#4	.0007	.0071	.0616	.0136	.0264	<.0000	.0666

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0974	<.0000	.0031	<.0000
SDev	.0129	.0407	.0003	.0009
%RSD	13.26	164.4	10.54	30110.

#1	.0824	<.0000	.0030	.0004
#2	.0924	.0295	.0030	<.0000
#3	.1125	<.0000	.0036	<.0000
#4	.1024	<.0000	.0030	.0011

Analysis Report

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Method: IECW Sample Name: 29456

Run Time: 12/31/01 13:14:58

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0061	.0145	<.0000	5.905
SDev	.0016	.0028	.0763	.0005	.0004	.0001	.016
%RSD	55.55	32.98	205.2	8.878	2.784	200.0	.2735

#1	<.0000	<.0000	.0626	.0066	.0141	<.0000	5.898
#2	<.0000	<.0000	<.0000	.0060	.0141	<.0000	5.886
#3	<.0000	<.0000	<.0000	.0066	.0148	<.0000	5.916
#4	<.0000	<.0000	<.0000	.0054	.0148	<.0000	5.921

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0007	<.0000	<.0000	.0251	<.0000	1.288
SDev	.0023	.0010	.0021	.0009	.0014	.3732	.013
%RSD	296.6	141.3	487.7	97.22	5.733	77.20	1.000

#1	<.0000	.0013	<.0000	<.0000	.0232	<.0000	1.273
#2	.0009	<.0000	<.0000	<.0000	.0262	<.0000	1.295
#3	.0004	<.0000	<.0000	<.0000	.0247	<.0000	1.283
#4	.0037	.0017	.0026	<.0000	.0262	<.0000	1.302

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	<.0000	4.081	.0013	<.0000	<.0000	.0178
SDev	.0004	.0018	.027	.0063	.0153	.0293	.0800
%RSD	1.773	64.62	.6737	472.6	159.7	189.1	450.4

#1	.0237	<.0000	4.074	<.0000	<.0000	<.0000	<.0000
#2	.0237	<.0000	4.047	<.0000	<.0000	<.0000	.0178
#3	.0230	<.0000	4.093	.0053	<.0000	.0075	.0178
#4	.0230	<.0000	4.111	.0080	.0106	.0075	.1158

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6330	.0226	<.0000	.0008
SDev	.0334	.0974	.0008	.0009
%RSD	5.271	431.7	60.03	111.9

#1	.6002	<.0000	<.0000	<.0000
#2	.6506	.1660	<.0000	.0006
#3	.6102	<.0000	<.0000	.0020
#4	.6708	<.0000	<.0000	.0006

Analysis Report

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page 1

Method: IECW Sample Name: 294561ab dup

Operator: it

Run Time: 12/31/01 13:18:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0387	.0061	.0145	<.0000	5.922
SDev	.0006	.0038	.0466	.0013	.0004	.0001	.013
%RSD	42.79	37.94	120.6	20.46	2.799	115.5	.2183
#1	<.0000	<.0000	.0501	.0071	.0141	<.0000	5.920
#2	<.0000	<.0000	<.0000	.0066	.0148	<.0000	5.904
#3	<.0000	<.0000	.0418	.0066	.0141	<.0000	5.934
#4	<.0000	<.0000	.0874	.0043	.0148	<.0000	5.928
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0001	.0011	<.0000	.0259	<.0000	1.291
SDev	.0014	.0017	.0018	.0000	.0014	.1055	.024
%RSD	109.3	1165.	169.0	.3381	5.606	26.67	1.870
#1	<.0000	.0015	.0016	<.0000	.0262	<.0000	1.295
#2	.0004	.0013	<.0000	<.0000	.0277	<.0000	1.263
#3	<.0000	<.0000	.0017	<.0000	.0247	<.0000	1.283
#4	<.0000	<.0000	.0026	<.0000	.0247	<.0000	1.321
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0237	.0035	4.091	<.0000	<.0000	<.0000	.0729
SDev	.0006	.0077	.010	.0070	.0000	.0077	.0308
%RSD	2.466	221.1	.2423	706.2	.0048	18.12	42.28
#1	.0244	<.0000	4.098	.0053	<.0000	<.0000	.1158
#2	.0237	.0142	4.098	<.0000	<.0000	<.0000	.0423
#3	.0230	<.0000	4.077	<.0000	<.0000	<.0000	.0668
#4	.0237	.0035	4.089	.0027	<.0000	<.0000	.0668
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6506	.0077	<.0000	.0004			
SDev	.0092	.0396	.0011	.0009			
%RSD	1.419	512.0	472.0	201.6			
#1	.6607	.0671	<.0000	<.0000			
#2	.6456	<.0000	<.0000	.0006			
#3	.6557	<.0000	<.0000	.0013			
#4	.6405	<.0000	.0011	.0006			

Analysis Report

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page 1

Method: IECW Sample Name: 29456spk

Operator: it

Run Time: 12/31/01 13:30:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0170 <i>6%</i>	.2611	.2396	.2628	.2650	.0494	5.837
SDev	.0006	.0052	.0792	.0028	.0008	.0002	.008
%RSD	3.539	1.998	33.07	1.058	.3052	.4673	.1328

#1	.0169	.2550	.1462	.2632	.2657	.0493	5.837
#2	.0164	.2603	.2874	.2626	.2643	.0491	5.829
#3	.0178	.2678	.2042	.2592	.2643	.0493	5.836
#4	.0169	.2614	.3206	.2660	.2657	.0497	5.848

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1010	.1031	.2521	.2456	.2828 <i>0.025</i>	<.0000	1.272
SDev	.0028	.0014	.0021	.0010	.0026	.1683	.008
%RSD	2.739	1.362	.8377	.3956	.9105	21.28	.6284

#1	.1041	.1017	.2536	.2454	.2839	<.0000	1.276
#2	.0996	.1025	.2527	.2446	.2794	<.0000	1.276
#3	.0979	.1032	.2490	.2454	.2824	<.0000	1.276
#4	.1024	.1050	.2531	.2469	.2855	<.0000	1.260

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2779 <i>0.023</i>	.0975	4.064	.2611	.2217	.1826	.2310
SDev	.0019	.0036	.029	.0019	.0073	.0198	.0234
%RSD	.6978	3.649	.7014	.7182	3.271	10.82	10.15

#1	.2786	.0993	4.106	.2624	.2185	.1903	.2126
#2	.2750	.0993	4.051	.2611	.2312	.1596	.2371
#3	.2786	.0922	4.055	.2584	.2142	.1749	.2616
#4	.2793	.0993	4.043	.2624	.2227	.2056	.2126

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7934	.2643	.0977	.2541
SDev	.0064	.1322	.0007	.0025
%RSD	.8010	50.03	.6753	.9680

#1	.7871	.3038	.0974	.2506
#2	.7921	.4028	.0974	.2548
#3	.8022	.2643	.0974	.2563
#4	.7922	.0862	.0987	.2548

Analysis Report

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Method: IECW Sample Name: 29457

Run Time: 12/31/01 13:33:28

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0309	.0179	.0282	<.0000	24.79
SDev	.0011	.0064	.0342	.0011	.0000	.0001	.04
%RSD	27.53	60.24	110.7	5.990	.0138	115.5	.1751

#1	<.0000	<.0000	<.0000	.0186	.0282	<.0000	24.82
#2	<.0000	<.0000	.0206	.0180	.0282	<.0000	24.73
#3	<.0000	<.0000	.0537	.0163	.0282	<.0000	24.82
#4	<.0000	<.0000	.0621	.0186	.0282	<.0000	24.79

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	.0017	<.0000	.0590	.5889	8.299
SDev	.0020	.0019	.0019	.0006	.0026	.2251	.011
%RSD	1284.	587.5	109.3	98.70	4.356	38.23	.1349

#1	.0011	.0006	.0007	.0001	.0617	.6768	8.293
#2	<.0000	<.0000	.0025	<.0000	.0557	.6768	8.312
#3	<.0000	.0017	.0039	<.0000	.0602	.7471	8.303
#4	.0023	<.0000	<.0000	<.0000	.0587	.2549	8.287

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0459	.0066	27.15	.0049	<.0000	<.0000	.0573
SDev	.0004	.0101	.11	.0027	.0081	.0383	.0988
%RSD	.7789	152.9	.3932	54.30	47.86	299.8	172.3

#1	.0461	.0137	27.26	.0089	<.0000	.0064	.0634
#2	.0461	.0066	27.07	.0036	<.0000	.0064	.1125
#3	.0461	.0137	27.05	.0036	<.0000	.0064	.1370
#4	.0454	<.0000	27.23	.0036	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.445	.1102	<.0000	<.0000
SDev	.009	.0905	.0007	.0007
%RSD	.5960	82.06	74.95	110.9

#1	1.446	.1548	<.0000	.0003
#2	1.456	.1350	<.0000	<.0000
#3	1.441	.1745	<.0000	<.0000
#4	1.436	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 29459

Run Time: 12/31/01 13:37:16

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0380	.0166	.0284	<.0000	24.88
SDev	.0003	.0071	.0193	.0019	.0004	.0001	.08
%RSD	15.07	448.1	50.67	11.58	1.251	200.0	.3116

#1	<.0000	.0088	.0577	.0174	.0282	<.0000	24.82
#2	<.0000	<.0000	.0121	.0163	.0282	<.0000	24.95
#3	<.0000	<.0000	.0370	.0141	.0289	<.0000	24.82
#4	<.0000	<.0000	.0454	.0186	.0282	<.0000	24.96

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0009	.0026	<.0000	.0571	1.064	8.325
SDev	.0008	.0014	.0013	.0013	.0032	.170	.044
%RSD	54.97	151.8	50.91	294.6	5.685	15.97	.5264

#1	<.0000	.0007	.0016	<.0000	.0587	.8174	8.283
#2	<.0000	<.0000	.0029	.0009	.0571	1.204	8.379
#3	<.0000	.0003	.0044	.0001	.0526	1.134	8.296
#4	<.0000	.0029	.0016	<.0000	.0601	1.099	8.341

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0438	.0066	27.21	.0055	<.0000	<.0000	.0573
SDev	.0004	.0082	.15	.0070	.0147	.0457	.0418
%RSD	.8144	125.0	.5418	126.0	138.5	105.3	73.04

#1	.0439	.0137	27.14	.0089	.0106	<.0000	.0389
#2	.0439	<.0000	27.34	<.0000	<.0000	<.0000	.1124
#3	.0432	.0137	27.03	.0115	<.0000	.0064	.0144
#4	.0439	<.0000	27.32	.0062	<.0000	<.0000	.0634

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.480	.0706	<.0000	<.0000
SDev	.027	.1223	.0009	.0007
%RSD	1.831	173.2	77.13	261.7

#1	1.451	<.0000	<.0000	.0003
#2	1.517	.1744	<.0000	.0003
#3	1.476	<.0000	<.0000	<.0000
#4	1.476	.1745	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29460

Operator: it

Run Time: 12/31/01 13:39:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0058	.0146	<.0000	5.926
SDev	.0008	.0076	.0214	.0013	.0003	.0001	.018
%RSD	24.58	995.2	420.9	21.37	2.393	115.5	.3106

#1	<.0000	.0072	<.0000	.0066	.0141	<.0000	5.928
#2	<.0000	.0040	.0042	.0071	.0148	<.0000	5.910
#3	<.0000	<.0000	.0168	.0054	.0148	<.0000	5.952
#4	<.0000	<.0000	<.0000	.0043	.0148	<.0000	5.916

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	<.0000	<.0000	.0228	<.0000	1.298
SDev	.0021	.0013	.0011	.0004	.0014	.1582	.025
%RSD	272.5	108.9	254.2	83.79	6.287	21.95	1.891

#1	<.0000	<.0000	.0003	<.0000	.0217	<.0000	1.292
#2	<.0000	<.0000	.0007	<.0000	.0232	<.0000	1.308
#3	.0009	<.0000	<.0000	<.0000	.0247	<.0000	1.324
#4	.0037	<.0000	<.0000	<.0000	.0217	<.0000	1.267

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0226	.0026	4.131	.0023	<.0000	<.0000	.0177
SDev	.0007	.0053	.023	.0027	.0049	.0146	.0347
%RSD	3.167	206.7	.5485	117.5	25.66	42.28	195.5

#1	.0230	<.0000	4.104	.0000	<.0000	<.0000	<.0000
#2	.0215	.0070	4.146	.0000	<.0000	<.0000	<.0000
#3	.0230	<.0000	4.121	.0040	<.0000	<.0000	.0178
#4	.0230	.0070	4.153	.0053	<.0000	<.0000	.0668

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6241	<.0000	<.0000	.0010
SDev	.0223	.0764	.0003	.0004
%RSD	3.578	163.7	19.20	41.99

#1	.6456	<.0000	<.0000	.0013
#2	.6102	.0275	<.0000	.0013
#3	.6405	<.0000	<.0000	.0006
#4	.6002	<.0000	<.0000	.0006

Analysis Report

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page 1

Method: IECW Sample Name: 29461

Operator: it

Run Time: 12/31/01 13:42:16

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0137	.0043	.0145	<.0000	5.918
SDev	.0011	.0077	.0150	.0012	.0004	.0001	.017
%RSD	34.39	182.3	109.7	28.34	2.801	200.0	.2867

#1	<.0000	.0019	<.0000	.0060	.0148	<.0000	5.929
#2	<.0000	.0019	.0167	.0043	.0141	<.0000	5.906
#3	<.0000	<.0000	.0252	.0032	.0148	<.0000	5.902
#4	<.0000	<.0000	.0210	.0037	.0141	<.0000	5.937

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	<.0000	<.0000	.0213	<.0000	1.282
SDev	.0010	.0015	.0013	.0008	.0008	.4387	.013
%RSD	153.4	654.8	235.0	145.4	3.541	45.79	1.046

#1	.0004	.0015	.0007	<.0000	.0217	<.0000	1.283
#2	<.0000	.0000	.0003	.0006	.0217	<.0000	1.295
#3	<.0000	<.0000	<.0000	<.0000	.0217	<.0000	1.263
#4	<.0000	.0012	<.0000	<.0000	.0202	<.0000	1.286

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0223	.0008	4.104	.0053	<.0000	<.0000	.0055
SDev	.0006	.0045	.027	.0032	.0094	.0265	.1350
%RSD	2.627	555.3	.6571	61.10	46.67	57.50	2450.

#1	.0223	<.0000	4.142	.0027	<.0000	<.0000	.0668
#2	.0215	<.0000	4.081	.0093	<.0000	<.0000	<.0000
#3	.0223	.0070	4.089	.0066	<.0000	<.0000	.1649
#4	.0230	<.0000	4.104	.0027	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6368	<.0000	<.0000	.0008
SDev	.0167	.0323	.0011	.0009
%RSD	2.619	62.63	65.81	111.9

#1	.6557	<.0000	<.0000	.0020
#2	.6456	<.0000	<.0000	.0006
#3	.6204	<.0000	<.0000	.0006
#4	.6254	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29463

Run Time: 12/31/01 13:44:30

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0190	.0049	.0143	<.0000	5.926
SDev	.0015	.0092	.0381	.0017	.0003	.0001	.013
%RSD	47.21	61.98	200.1	34.19	2.455	115.5	.2155

#1	<.0000	<.0000	.0004	.0032	.0141	<.0000	5.917
#2	<.0000	<.0000	.0420	.0071	.0141	<.0000	5.920
#3	<.0000	<.0000	<.0000	.0043	.0148	<.0000	5.921
#4	<.0000	<.0000	.0584	.0049	.0141	<.0000	5.945

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0232	<.0000	1.271
SDev	.0016	.0015	.0015	.0014	.0012	.3714	.014
%RSD	258.4	151.1	194.0	83.44	5.295	31.07	1.096

#1	<.0000	<.0000	<.0000	<.0000	.0217	<.0000	1.283
#2	.0015	<.0000	.0003	<.0000	.0232	<.0000	1.267
#3	<.0000	.0005	.0007	<.0000	.0232	<.0000	1.254
#4	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	1.283

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0219	.0035	4.115	<.0000	<.0000	<.0000	.0362
SDev	.0007	.0041	.050	.0035	.0127	.0229	.1223
%RSD	3.266	117.9	1.210	106.4	37.50	197.0	338.1

#1	.0215	<.0000	4.066	<.0000	<.0000	.0075	.1649
#2	.0215	<.0000	4.115	<.0000	<.0000	<.0000	<.0000
#3	.0216	.0070	4.096	.0000	<.0000	.0075	<.0000
#4	.0230	.0070	4.183	<.0000	<.0000	<.0000	.1158

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6178	.0078	<.0000	.0001
SDev	.0127	.0396	.0003	.0007
%RSD	2.059	509.7	13.91	762.9

#1	.6203	<.0000	<.0000	<.0000
#2	.6002	<.0000	<.0000	.0006
#3	.6305	.0671	<.0000	.0006
#4	.6203	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29464

Run Time: 12/31/01 13:47:16

Comment:

Mode: COND Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0006	.0520	.0068	.0148	<.0000	5.939
SDev	.0008	.0066	.0355	.0022	.0000	.0001	.017
%RSD	49.53	1166.	68.22	32.07	.0101	115.5	.2838

#1	<.0000	.0083	.0582	.0077	.0148	<.0000	5.947
#2	<.0000	<.0000	.0750	.0037	.0148	<.0000	5.946
#3	<.0000	.0019	.0749	.0088	.0148	<.0000	5.948
#4	<.0000	<.0000	.0001	.0071	.0148	<.0000	5.913

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0005	<.0000	.0002	.0247	<.0000	1.291
SDev	.0013	.0012	.0008	.0004	.0051	.1492	.018
%RSD	611.4	227.7	89.99	185.4	20.51	23.90	1.409

#1	<.0000	.0005	<.0000	<.0000	.0187	<.0000	1.263
#2	.0020	.0012	<.0000	.0006	.0307	<.0000	1.302
#3	<.0000	.0015	<.0000	<.0000	.0262	<.0000	1.299
#4	.0004	<.0000	<.0000	.0006	.0232	<.0000	1.299

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0205	.0061	4.098	.0013	<.0000	<.0000	.0177
SDev	.0004	.0018	.034	.0088	.0081	.0290	.0664
%RSD	2.016	28.97	.8384	658.7	63.80	149.8	374.1

#1	.0201	.0070	4.119	<.0000	<.0000	<.0000	<.0000
#2	.0208	.0070	4.106	.0027	<.0000	.0228	.0423
#3	.0201	.0070	4.119	.0106	<.0000	<.0000	.0667
#4	.0208	.0035	4.047	.0027	<.0000	<.0000	.0423

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.6544	.0127	<.0000	.0020
SDev	.0191	.0495	.0006	.0000
%RSD	2.912	390.8	87.35	.0242

#1	.6406	.0869	<.0000	.0020
#2	.6405	<.0000	<.0000	.0020
#3	.6557	<.0000	<.0000	.0020
#4	.6809	<.0000	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: 29465

Run Time: 12/31/01 13:50:40

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0016	.0245	.0200	.0286	<.0000	24.99
SDev	.0009	.0081	.0592	.0025	.0004	.0001	.04
%RSD	61.31	515.7	241.9	12.52	1.411	115.5	.1526

#1	<.0000	<.0000	<.0000	.0186	.0282	<.0000	24.98
#2	<.0000	<.0000	.0079	.0174	.0282	<.0000	24.98
#3	<.0000	.0055	.0950	.0231	.0289	<.0000	25.04
#4	<.0000	.0109	.0410	.0208	.0289	<.0000	24.95

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	.0029	<.0000	.0560	.7032	8.371
SDev	.0014	.0014	.0010	.0004	.0022	.2459	.046
%RSD	253.7	231.2	33.37	46.14	4.019	34.97	.5439

#1	<.0000	.0004	.0029	<.0000	.0541	.4307	8.344
#2	.0011	<.0000	.0025	<.0000	.0586	.6768	8.373
#3	.0022	.0007	.0043	<.0000	.0571	1.028	8.434
#4	.0000	<.0000	.0020	<.0000	.0541	.6768	8.331

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0439	.0057	27.37	.0108	<.0000	<.0000	.0389
SDev	.0012	.0079	.04	.0059	.0244	.0490	.0490
%RSD	2.658	138.8	.1383	54.35	120.8	382.8	126.1

#1	.0439	<.0000	27.34	.0088	<.0000	.0063	.0144
#2	.0425	.0101	27.38	.0088	.0149	.0217	.1124
#3	.0454	.0137	27.34	.0062	<.0000	<.0000	.0143
#4	.0439	.0030	27.42	.0195	<.0000	.0063	.0144

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.455	.0755	<.0000	<.0000
SDev	.014	.0740	.0008	.0004
%RSD	.9919	98.00	115.6	135.9

#1	1.446	.0756	<.0000	.0003
#2	1.451	.1546	<.0000	<.0000
#3	1.476	.0952	.0001	<.0000
#4	1.446	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29562

Run Time: 12/31/01 13:53:56

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0016	.0240	.0061	.0129	<.0000	6.030
SDev	.0020	.0107	.0236	.0014	.0003	.0001	.012
%RSD	108.1	661.1	98.12	23.03	2.718	115.5	.2053

#1	<.0000	.0061	.0416	.0066	.0127	<.0000	6.015
#2	<.0000	<.0000	<.0000	.0043	.0127	<.0000	6.028
#3	<.0000	<.0000	.0418	.0077	.0134	<.0000	6.033
#4	<.0000	.0146	.0207	.0060	.0127	<.0000	6.045

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0007	<.0000	.0255	<.0000	1.254
SDev	.0014	.0013	.0008	.0007	.0019	.4824	.015
%RSD	180.0	2171.	102.3	101.7	7.649	60.98	1.159

#1	<.0000	.0007	.0007	<.0000	.0232	<.0000	1.273
#2	<.0000	.0000	.0007	<.0000	.0262	<.0000	1.241
#3	.0009	<.0000	<.0000	<.0000	.0247	<.0000	1.257
#4	<.0000	.0010	.0017	<.0000	.0277	<.0000	1.244

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	.0026	4.059	.0033	<.0000	<.0000	.0300
SDev	.0007	.0089	.016	.0023	.0112	.0316	.1289
%RSD	3.103	344.3	.4061	68.98	88.14	116.9	429.7

#1	.0230	.0035	4.047	.0013	<.0000	<.0000	.0177
#2	.0223	<.0000	4.074	.0027	<.0000	<.0000	<.0000
#3	.0215	.0141	4.074	.0027	<.0000	.0075	.2139
#4	.0215	<.0000	4.043	.0066	.0021	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6785	<.0000	<.0000	.0010
SDev	.0097	.0814	.0013	.0009
%RSD	1.427	144.0	103.9	93.96

#1	.6709	<.0000	<.0000	.0013
#2	.6709	<.0000	<.0000	<.0000
#3	.6810	<.0000	<.0000	.0006
#4	.6912	.0473	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: 29563

Operator: it

Run Time: 12/31/01 13:56:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0271	.0046	.0131	<.0000	5.995
SDev	.0017	.0074	.0401	.0003	.0004	.0001	.013
%RSD	75.72	961.7	147.8	7.238	3.099	66.67	.2217

#1	.0001	.0061	.0748	.0043	.0134	<.0000	5.996
#2	<.0000	.0029	.0458	.0049	.0127	<.0000	5.989
#3	<.0000	<.0000	<.0000	.0043	.0134	<.0000	5.982
#4	<.0000	<.0000	<.0000	.0049	.0127	<.0000	6.013

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0002	.0255	<.0000	1.263
SDev	.0008	.0014	.0004	.0008	.0040	.1055	.008
%RSD	103.9	387.4	201.4	322.3	15.64	13.48	.6660

#1	<.0000	.0002	.0003	.0014	.0307	<.0000	1.270
#2	<.0000	.0008	<.0000	<.0000	.0217	<.0000	1.257
#3	<.0000	<.0000	<.0000	<.0000	.0262	<.0000	1.270
#4	<.0000	<.0000	<.0000	<.0000	.0232	<.0000	1.254

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0210	.0061	4.074	.0000	<.0000	<.0000	<.0000
SDev	.0004	.0094	.006	.0072	.0221	.0230	.0309
%RSD	1.706	152.4	.1394	45800.	103.9	45.98	122.8

#1	.0208	<.0000	4.070	.0027	<.0000	<.0000	<.0000
#2	.0208	<.0000	4.070	<.0000	<.0000	<.0000	<.0000
#3	.0208	.0141	4.077	.0053	.0021	<.0000	.0178
#4	.0215	.0141	4.081	.0027	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6482	<.0000	<.0000	.0017
SDev	.0310	.0830	.0010	.0004
%RSD	4.785	488.9	94.11	24.31

#1	.6608	<.0000	<.0000	.0020
#2	.6204	<.0000	<.0000	.0013
#3	.6254	<.0000	<.0000	.0020
#4	.6861	.1067	<.0000	.0013

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/31/01 14:10:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4790	1.026	.0465	1.016	.9958	.9979	1.014
SDev	.0019	.003	.0340	.012	.0026	.0028	.005
%RSD	.4077	.3208	73.08	1.182	.2601	.2850	.4721

#1	.4766	1.022	.0445	1.005	.9948	.9971	1.018
#2	.4790	1.025	.0320	1.020	.9976	.9979	1.010
#3	.4790	1.028	.0153	1.007	.9927	.9950	1.010
#4	.4814	1.030	.0942	1.030	.9983	1.002	1.018

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.9949	1.004	1.001	.9647	1.027	.0000	.9513
SDev	.0057	.003	.002	.0023	.005	.2723	.0149
%RSD	.5764	.2646	.2423	.2401	.4866	14.97	1.561

#1	1.0000	1.007	1.001	.9620	1.021	<.0000	.9569
#2	.9944	1.003	1.003	.9666	1.026	<.0000	.9377
#3	.9871	1.001	.9977	.9636	1.026	<.0000	.9409
#4	.9983	1.006	1.002	.9666	1.033	<.0000	.9697

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.004	.9862	.9963	1.047	.9727	.9722	.0806
SDev	.004	.0046	.0203	.010	.0171	.0440	.0925
%RSD	.3606	.4656	2.033	.9640	1.759	4.521	114.8

#1	1.001	.9809	1.025	1.058	.9483	.9072	.0622
#2	1.006	.9916	.9911	1.054	.9865	.9990	<.0000
#3	1.001	.9880	.9911	1.039	.9822	.9837	.0622
#4	1.008	.9844	.9778	1.038	.9737	.9990	.2092

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.018	1.064	.9995	.9856
SDev	.012	.059	.0031	.0034
%RSD	1.183	5.577	.3096	.3430

#1	1.010	1.153	1.001	.9877
#2	1.010	1.035	.9989	.9806
#3	1.035	1.035	.9956	.9863
#4	1.015	1.035	1.003	.9877

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/31/01 14:15:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0012	.0199	.0392	.0024	<.0000	.0000	.0020
SDev	.0009	.0037	.0202	.0012	.0000	.0001	.0016
%RSD	73.03	18.66	51.54	51.06	53.81	200.0	80.25

#1	.0002	.0154	.0590	.0041	<.0000	.0001	.0016
#2	.0007	.0217	.0506	.0018	<.0000	<.0000	<.0000
#3	.0017	.0238	.0132	.0024	<.0000	<.0000	.0032
#4	.0022	.0185	.0340	.0013	<.0000	<.0000	.0034

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0032	.0022	.0021	<.0000	<.0000	.0072
SDev	.0012	.0021	.0005	.0007	.0031	.1162	.0132
%RSD	442.7	67.35	20.96	34.83	817.2	55.07	182.9

#1	<.0000	.0042	.0015	.0031	<.0000	<.0000	<.0000
#2	.0004	.0002	.0024	.0023	.0030	<.0000	.0240
#3	<.0000	.0052	.0024	.0015	.0000	<.0000	<.0000
#4	.0010	.0032	.0024	.0015	<.0000	<.0000	.0112

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0002	.0080	.0218	.0079	.0042	<.0000	<.0000
SDev	.0000	.0067	.0086	.0020	.0132	.0153	.0693
%RSD	.5438	84.23	39.53	25.05	311.4	26590.	225.7

#1	.0002	.0035	.0199	.0096	.0108	.0076	<.0000
#2	.0002	.0178	.0332	.0056	.0191	.0076	.0673
#3	.0002	.0071	.0218	.0096	<.0000	<.0000	<.0000
#4	.0002	.0035	.0123	.0070	<.0000	.0076	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.0328	.0692	.0008	<.0000
SDev	.0151	.0775	.0007	.0006
%RSD	45.93	111.9	80.14	37310.

#1	.0467	.1682	.0012	<.0000
#2	.0366	.0890	<.0000	.0007
#3	.0114	.0297	.0012	<.0000
#4	.0366	<.0000	.0012	<.0000