

WTC samples

11/29/01 IT

9:37 AM

11/29/01

BLK	27467	27485	Wipe
SSID	27468	27486	
IPC+CB	27469	27487	
LFB+LRB	27470	27488	D
27451+LabDup+spk	IPC+CB	27489	285
27452	LFB+LRB	27493	285
27454	27471+LabDup+spk	IPC+CB	285
27455	27472		285
27456	27473		28
27457	27474		28
27458	27475		285
27459	27476		285
27460	27477	Reviewed by, GB 1/8/02 =	28
27461	27478		28
IPC+CB	27479		28
27449	27480		28
27462+LabDup+spk	IPC+CB		28
27463	27481+LabDup+spk		28
27464	27482		28
27465	27483		28
27466	27484		C

Method: IECW Standard: STD1-Blank
Run Time: 11/29/01 09:35:39

Elem	Ag3280	Al3082	As1936	B C 2496	Ba4934	Be3130	Ca3179
Avge	1.443	4.215	.6915	.3095	.1525	.2110	4.306
SDev	.001	.009	.0202	.0030	.0010	.0011	.002
%RSD	.0800	.2100	2.915	.9693	.6557	.5473	.0445
#1	1.442	4.210	.7120	.3060	.1520	.2100	4.304
#2	1.442	4.206	.6680	.3120	.1520	.2120	4.306
#3	1.444	4.222	.6820	.3080	.1520	.2120	4.308
#4	1.444	4.224	.7040	.3120	.1540	.2100	4.304
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K _ 7664	Mg2790
Avge	.3085	3.014	1.092	.6310	-.0015	5.661	1.469
SDev	.0057	.023	.006	.0011	.0019	.004	.010
%RSD	1.862	.7527	.5392	.1830	127.7	.0735	.6520
#1	.3120	3.002	1.096	.6300	-.0020	5.656	1.472
#2	.3120	2.988	1.086	.6320	.0000	5.662	1.458
#3	.3000	3.034	1.088	.6300	-.0040	5.668	1.480
#4	.3100	3.032	1.098	.6320	.0000	5.660	1.464
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	S b 2068	Se1960
Avge	.1065	.1755	2.055	.5475	.9010	.1905	.1730
SDev	.0019	.0030	.009	.0101	.0048	.0010	.0099
%RSD	1.798	1.709	.4599	1.848	.5284	.5249	5.703
#1	.1040	.1720	2.048	.5360	.8960	.1900	.1620
#2	.1080	.1740	2.068	.5440	.9040	.1920	.1680
#3	.1060	.1780	2.048	.5600	.9060	.1900	.1840
#4	.1080	.1780	2.056	.5500	.8980	.1900	.1780
Elem	Si 2881	T l 1908	V _ 2924	Zn2138			
Avge	4.920	.1550	.7570	.1955			
SDev	.022	.0062	.0011	.0053			
%RSD	.4470	4.012	.1525	2.690			
#1	4.894	.1620	.7580	.1920			
#2	4.914	.1520	.7560	.1900			
#3	4.928	.1580	.7580	.2000			
#4	4.946	.1480	.7560	.2000			

Standardization Rpt.

11/29/01 09:39:38 AM

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Method: IECW Standard: STD6
Run Time: 11/29/01 09:38:15

Elem	Ag3280
Avge	40.96
SDev	.14
%RSD	.3419

#1	40.78
#2	40.95
#3	41.12
#4	41.00

Standardization Rpt.

11/29/01 09:43:05 AM

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Method: IECW Standard: STD3

Run Time: 11/29/01 09:41:22

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	24.23	223.8	14.38	7.125	11.53	17.34	1.813
SDev	.02	.3	.01	.041	.03	.08	.005
%RSD	.0959	.1355	.0842	.5700	.2661	.4337	.2919

#1	24.22	223.5	14.37	7.070	11.56	17.25	1.806
#2	24.24	223.8	14.37	7.130	11.53	17.37	1.812
#3	24.21	223.6	14.37	7.132	11.56	17.32	1.816
#4	24.26	224.2	14.39	7.168	11.49	17.43	1.818

Elem	Tl1908
Avge	1.442
SDev	.015
%RSD	1.074

#1	1.428
#2	1.440
#3	1.464
#4	1.436

Standardization Rpt.

11/29/01 09:49:38 AM

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Method: IECW Standard: STD5

Run Time: 11/29/01 09:48:15

Elem	V_2924
Avge	30.35
SDev	.06
%RSD	.2017

#1	30.40
#2	30.30
#3	30.40
#4	30.30

Standardization Rpt.

11/29/01 10:06:50 AM

page 1

Method: IECW Standard: STD4

Run Time: 11/29/01 10:05:28

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	7.294	38.22	46.01	1.271	8.997
SDev	.150	.15	.13	.026	.017
%RSD	2.053	.3916	.2887	2.056	.1924

#1	7.204	38.05	45.90	1.292	8.974
#2	7.346	38.41	46.19	1.240	8.996
#3	7.480	38.19	46.02	1.294	9.016
#4	7.146	38.23	45.92	1.260	9.000

Analysis Report

11/29/01 10:10:59 AM

page 1

Method: IECW Sample Name: ipc
 Run Time: 11/29/01 10:09:14
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5148	.9748	.0177	.9986	.9889	.9634	1.016
SDev	.0015	.0132	.0780	.0084	.0021	.0025	.005
%RSD	.2935	1.351	440.9	.8453	.2085	.2571	.4695
#1	.5134	.9673	.0806	1.000	.9894	.9630	1.013
#2	.5170	.9943	.0894	1.003	.9910	.9662	1.022
#3	.5144	.9663	<.0000	1.005	.9894	.9643	1.018
#4	.5144	.9713	<.0000	.9863	.9861	.9603	1.012
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9917	.9922	.9861	.9726	.9730	2.657	1.021
SDev	.0019	.0056	.0031	.0025	.0041	.249	.008
%RSD	.1947	.5653	.3139	.2545	.4210	9.355	.7571
#1	.9893	.9863	.9822	.9739	.9744	2.407	1.024
#2	.9913	.9893	.9898	.9739	.9772	2.907	1.009
#3	.9923	.9991	.9862	.9739	.9730	2.830	1.024
#4	.9939	.9942	.9862	.9689	.9674	2.484	1.024
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9849	.9892	1.079	.9859	1.001	.9891	.0223
SDev	.0037	.0109	.002	.0178	.024	.0124	.0420
%RSD	.3751	1.102	.2258	1.804	2.365	1.250	188.5
#1	.9839	.9820	1.081	.9826	.9714	.9953	<.0000
#2	.9893	.9820	1.081	1.010	1.024	.9952	.0586
#3	.9859	.9878	1.076	.9838	.9939	.9953	<.0000
#4	.9805	1.005	1.076	.9671	1.016	.9706	.0587
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.081	1.075	.9970	1.001			
SDev	.040	.083	.0042	.006			
%RSD	3.743	7.704	.4178	.5767			
#1	1.037	1.032	.9983	1.004			
#2	1.135	1.110	1.000	1.007			
#3	1.076	1.172	.9983	.9966			
#4	1.076	.9853	.9909	.9954			

Analysis Report

11/29/01 10:20:33 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 11/29/01 10:18:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0073	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0050	.0206	.0013	.0004	.0001	.0015
%RSD	12.00	13.77	282.7	42.16	33.41	30.77	16.76

#1	<.0000	<.0000	.0201	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0292	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0011	<.0000	<.0000
SDev	.0018	.0008	.0008	.0009	.0031	.1961	.0105
%RSD	713.9	88.26	23.34	17.11	292.0	6.532	28.06

#1	.0027	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0002	<.0000	<.0000	.0049	<.0000	<.0000
#4	.0006	<.0000	<.0000	<.0000	.0021	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	.0010	<.0000	.0412
SDev	.0003	.0064	.0184	.0053	.0095	.0448	.0737
%RSD	66.91	89.00	31.43	52.10	994.0	362.6	179.0

#1	<.0000	.0007	<.0000	<.0000	<.0000	.0468	.1050
#2	.0000	<.0000	<.0000	<.0000	.0141	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0867
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0320

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0236	<.0000	<.0000
SDev	.0319	.0468	.0014	.0003
%RSD	14.51	198.3	25.01	25.11

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0118	<.0000	<.0000
#3	<.0000	.0902	<.0000	<.0000
#4	<.0000	.0119	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: lfb
 Run Time: 11/29/01 10:30:06
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0286	.2518	.2250	.2474	.2423	.0463	.0235
SDev	.0010	.0074	.0359	.0031	.0012	.0001	.0008
%RSD	3.649	2.936	15.97	1.232	.5072	.3347	3.277
#1	.0292	.2608	.2008	.2500	.2417	.0462	.0234
#2	.0277	.2448	.1919	.2447	.2417	.0462	.0241
#3	.0277	.2548	.2703	.2447	.2442	.0465	.0224
#4	.0297	.2468	.2372	.2500	.2417	.0462	.0241
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0998	.1006	.2457	.2455	.2435	.9429	.0084
SDev	.0029	.0019	.0033	.0014	.0032	.2211	.0103
%RSD	2.931	1.943	1.361	.5740	1.319	23.45	121.9
#1	.1013	.1023	.2493	.2453	.2407	1.270	<.0000
#2	.0998	.0983	.2413	.2436	.2407	.8082	.0161
#3	.0957	.0996	.2453	.2469	.2463	.8851	.0069
#4	.1023	.1021	.2467	.2461	.2463	.8082	.0161
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2443	.0992	.0571	.2460	.2610	.2069	.2578
SDev	.0008	.0092	.0353	.0046	.0174	.0434	.0857
%RSD	.3493	9.295	61.85	1.870	6.677	20.98	33.25
#1	.2445	.1085	.0878	.2428	.2629	.2286	.3169
#2	.2431	.0913	.0073	.2416	.2779	.2286	.2624
#3	.2452	.0912	.0751	.2487	.2367	.1418	.1351
#4	.2445	.1056	.0581	.2511	.2666	.2286	.3169
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	.5139	.2734	.0996	.2477			
SDev	.0256	.1026	.0012	.0018			
%RSD	4.983	37.52	1.175	.7253			
#1	.5420	.2382	.1000	.2455			
#2	.4812	.3634	.0979	.2485			
#3	.5233	.1442	.1000	.2497			
#4	.5093	.3478	.1007	.2473			

Analysis Report

11/29/01 10:38:00 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 11/29/01 10:36:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0006
SDev	.0015	.0086	.0526	.0014	.0000	.0001	.0021
%RSD	130.8	111.2	233.7	32.85	.0935	115.5	331.0

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0004	<.0000	.0324	<.0000	<.0000	<.0000	.0034
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0008
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0001

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0008
SDev	.0018	.0009	.0017	.0008	.0014	.1950	.0147
%RSD	5920000.	2373.	186.6	79.99	199.5	67.55	1901.

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0162
#2	.0015	.0011	.0013	.0002	<.0000	.0000	.0100
#3	.0015	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0001	<.0000	<.0000	.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.0062	.0227
SDev	.0006	.0036	.0134	.0040	.0048	.0202	.0374
%RSD	163.2	252.2	97.28	189.4	39.75	325.1	164.7

#1	.0003	<.0000	<.0000	<.0000	<.0000	.0310	.0273
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0062	.0273
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0022	<.0000	.0021	<.0000	.0062	.0636

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0313	.0000	.0003
SDev	.0420	.0347	.0010	.0013
%RSD	54.52	110.8	914100.	415.2

#1	<.0000	.0665	<.0000	.0018
#2	<.0000	.0196	.0007	.0006
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0509	.0007	.0000

Analysis Report

11/29/01 10:45:55 AM

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Method: IECW Sample Name: 27451

Operator: it

Run Time: 11/29/01 10:44:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0003	<.0000	.0001	.0126	<.0000	5.233
SDev	.0008	.0053	.0428	.0007	.0000	.0000	.035
%RSD	115.4	1589.	435.6	835.3	.0245	66.67	.6610

#1	<.0000	.0013	<.0000	.0009	.0126	<.0000	5.219
#2	<.0000	.0073	<.0000	<.0000	.0126	<.0000	5.191
#3	<.0000	<.0000	<.0000	<.0000	.0126	<.0000	5.254
#4	.0003	<.0000	.0438	.0003	.0126	<.0000	5.268

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0000	.0009	.0208	.0770	1.088
SDev	.0026	.0010	.0011	.0007	.0018	.3471	.003
%RSD	174.8	72.08	14300.	74.53	8.637	450.9	.2319

#1	.0005	<.0000	.0011	.0017	.0201	.3464	1.088
#2	<.0000	<.0000	.0002	.0001	.0215	.2694	1.088
#3	<.0000	<.0000	<.0000	.0009	.0187	<.0000	1.085
#4	<.0000	<.0000	.0002	.0009	.0229	.1155	1.091

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	<.0000	3.445	<.0000	<.0000	<.0000	.0358
SDev	.0006	.0049	.011	.0041	.0221	.0160	.0704
%RSD	2.377	112.0	.3299	1491.	847200.	64.09	196.6

#1	.0240	<.0000	3.443	.0054	.0234	<.0000	.1358
#2	.0226	<.0000	3.433	<.0000	.0084	<.0000	<.0000
#3	.0233	<.0000	3.443	<.0000	<.0000	<.0000	.0267
#4	.0233	.0021	3.460	<.0000	<.0000	<.0000	.0086

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4255	.0138	<.0000	.0029
SDev	.0231	.0501	.0010	.0010
%RSD	5.416	362.7	181.0	33.53

#1	.4232	<.0000	.0006	.0041
#2	.3998	.0647	<.0000	.0029
#3	.4232	<.0000	<.0000	.0017
#4	.4559	.0490	<.0000	.0029

Analysis Report

11/29/01 10:48:10 AM

page 1

Method: IECW Sample Name: 27451lab dup

Operator: it

Run Time: 11/29/01 10:46:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0007	.0122	<.0000	5.192
SDev	.0017	.0050	.0383	.0014	.0005	.0000	.021
%RSD	72.96	57.29	212.8	186.8	3.882	.0000	.4106
#1	<.0000	<.0000	<.0000	.0019	.0126	<.0000	5.195
#2	<.0000	<.0000	<.0000	.0009	.0118	<.0000	5.220
#3	<.0000	<.0000	.0317	<.0000	.0126	<.0000	5.183
#4	<.0000	<.0000	<.0000	.0014	.0118	<.0000	5.169
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0001	.0215	<.0000	1.058
SDev	.0005	.0012	.0009	.0009	.0039	.1257	.020
%RSD	166.2	76.37	440.2	1192.	18.29	46.66	1.929
#1	<.0000	<.0000	.0002	<.0000	.0187	<.0000	1.060
#2	<.0000	<.0000	.0002	.0009	.0215	<.0000	1.072
#3	<.0000	.0001	.0002	.0009	.0271	<.0000	1.072
#4	<.0000	<.0000	<.0000	<.0000	.0187	<.0000	1.029
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	<.0000	3.415	.0024	<.0000	<.0000	.0495
SDev	.0003	.0014	.031	.0044	.0112	.0457	.0733
%RSD	1.530	95.77	.8942	182.4	45.94	292.0	148.1
#1	.0219	<.0000	3.371	<.0000	<.0000	.0433	.0086
#2	.0226	<.0000	3.420	<.0000	<.0000	<.0000	<.0000
#3	.0219	<.0000	3.429	.0042	<.0000	<.0000	.0813
#4	.0220	<.0000	3.441	.0078	<.0000	<.0000	.1358
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.3555	.0413	<.0000	.0019			
SDev	.1038	.0944	.0008	.0016			
%RSD	29.21	228.7	107.1	84.17			
#1	.4372	.1431	<.0000	.0005			
#2	.3998	.0961	<.0000	.0029			
#3	.3812	<.0000	<.0000	.0035			
#4	.2037	<.0000	<.0000	.0005			

Analysis Report

11/29/01 10:55:03 AM

page 1

Method: IECW Sample Name: 27451spk

Operator: it

Run Time: 11/29/01 10:52:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0188	.2121	.2256	.2460	.2469	.0444	5.166
SDev	.0003	.0081	.0305	.0020	.0009	.0002	.025
%RSD	1.559	3.829	13.52	.8218	.3822	.3681	.4745

#1	.0185	.2151	.2398	.2455	.2477	.0445	5.186
#2	.0190	.2182	.1946	.2476	.2461	.0442	5.138
#3	.0190	.2151	.2067	.2476	.2461	.0443	5.153
#4	.0185	.2002	.2612	.2434	.2477	.0445	5.187

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1074	.0923	.2292	.2295	.2514	<.0000	1.050
SDev	.0029	.0006	.0045	.0009	.0040	.2799	.011
%RSD	2.667	.6651	1.956	.4150	1.588	33.45	1.019

#1	.1115	.0919	.2345	.2303	.2566	<.0000	1.060
#2	.1064	.0925	.2264	.2287	.2483	<.0000	1.035
#3	.1069	.0916	.2247	.2287	.2525	<.0000	1.054
#4	.1048	.0930	.2313	.2303	.2483	<.0000	1.054

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2568	.0883	3.446	.2255	.2039	.1634	.3029
SDev	.0016	.0053	.025	.0103	.0141	.0212	.1600
%RSD	.6238	5.954	.7132	4.574	6.931	12.95	52.84

#1	.2580	.0826	3.460	.2163	.1993	.1541	.4437
#2	.2546	.0854	3.467	.2401	.2067	.1665	.3892
#3	.2566	.0941	3.412	.2246	.1880	.1913	.2983
#4	.2580	.0912	3.445	.2211	.2217	.1418	.0803

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3275	.2756	.0905	.2349
SDev	.0369	.0271	.0000	.0018
%RSD	11.27	9.834	.0013	.7685

#1	.3718	.2991	.0905	.2364
#2	.3438	.2521	.0905	.2328
#3	.2971	.2991	.0905	.2340
#4	.2971	.2521	.0905	.2364

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Method: IECW Sample Name: 27452

Operator: it

Run Time: 11/29/01 10:55:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0160	.0062	.0223	<.0000	20.18
SDev	.0018	.0043	.0374	.0016	.0004	.0000	.06
%RSD	188.5	38.71	233.8	26.26	1.839	66.67	.2772

#1	<.0000	<.0000	<.0000	.0039	.0217	<.0000	20.18
#2	<.0000	<.0000	.0673	.0070	.0225	<.0000	20.26
#3	.0001	<.0000	<.0000	.0065	.0225	<.0000	20.13
#4	.0006	<.0000	.0190	.0076	.0225	<.0000	20.16

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	.0005	<.0000	.0582	.9621	6.681
SDev	.0012	.0014	.0013	.0000	.0018	.1663	.010
%RSD	170.0	62.43	276.8	.4005	3.093	17.28	.1431

#1	<.0000	<.0000	.0008	<.0000	.0561	.9621	6.675
#2	.0017	<.0000	<.0000	<.0000	.0575	1.193	6.694
#3	.0017	<.0000	<.0000	<.0000	.0603	.8851	6.681
#4	<.0000	<.0000	.0021	<.0000	.0589	.8082	6.672

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0671	<.0000	25.27	.0055	<.0000	<.0000	.0195
SDev	.0010	.0000	.16	.0045	.0170	.0215	.0375
%RSD	1.514	.2368	.6191	82.07	259.6	56.20	191.8

#1	.0663	<.0000	25.40	.0004	<.0000	<.0000	.0241
#2	.0683	<.0000	25.33	.0064	<.0000	<.0000	.0241
#3	.0677	<.0000	25.04	.0111	.0159	<.0000	<.0000
#4	.0663	<.0000	25.29	.0040	<.0000	<.0000	.0604

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.598	.0753	<.0000	.0007
SDev	.028	.0412	.0010	.0006
%RSD	1.743	54.69	87.58	82.40

#1	1.558	.1184	<.0000	.0009
#2	1.614	.0401	<.0000	.0002
#3	1.604	.1027	<.0000	.0015
#4	1.618	.0401	<.0000	.0002

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Method: IECW Sample Name: 27454

Operator: it

Run Time: 11/29/01 10:58:23

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0106	<.0000	4.916
SDev	.0011	.0033	.0568	.0015	.0005	.0001	.056
%RSD	10.01	6.981	242.0	77.23	4.468	29.46	1.149

#1	<.0000	<.0000	.0473	<.0000	.0110	<.0000	4.876
#2	<.0000	<.0000	<.0000	<.0000	.0102	<.0000	4.859
#3	<.0000	<.0000	<.0000	<.0000	.0110	<.0000	4.963
#4	<.0000	<.0000	<.0000	<.0000	.0102	<.0000	4.965

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0003	.0330	<.0000	.9734
SDev	.0020	.0013	.0012	.0008	.0029	.2266	.0056
%RSD	457.4	23.38	19.08	269.7	8.678	7.094	.5797

#1	<.0000	<.0000	<.0000	.0009	.0355	<.0000	.9795
#2	.0025	<.0000	<.0000	.0009	.0299	<.0000	.9703
#3	<.0000	<.0000	<.0000	<.0000	.0355	<.0000	.9764
#4	<.0000	<.0000	<.0000	.0001	.0313	<.0000	.9672

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	<.0000	3.288	<.0000	<.0000	<.0000	.0224
SDev	.0006	.0081	.048	.0036	.0166	.0310	.0478
%RSD	2.891	124.9	1.460	71.05	53.78	52.60	213.7

#1	.0226	<.0000	3.242	<.0000	<.0000	<.0000	.0632
#2	.0220	<.0000	3.268	<.0000	<.0000	<.0000	.0633
#3	.0220	<.0000	3.355	<.0000	<.0000	<.0000	<.0000
#4	.0233	<.0000	3.287	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0258	<.0000	.0052
SDev	.0210	.0772	.0008	.0010
%RSD	4.882	299.6	11.46	19.79

#1	<.0000	.0179	<.0000	.0041
#2	<.0000	.0180	<.0000	.0053
#3	<.0000	.1276	<.0000	.0047
#4	<.0000	<.0000	<.0000	.0065

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Method: IECW Sample Name: 27455

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0014	.0053	.0653	.0085	.0242	<.0000	21.15
SDev	.0011	.0079	.0576	.0014	.0004	.0000	.07
%RSD	78.32	148.8	88.13	15.92	1.683	.0000	.3533

#1	.0011	<.0000	.1333	.0080	.0240	<.0000	21.09
#2	.0000	.0111	.0064	.0101	.0248	<.0000	21.18
#3	.0021	.0131	.0908	.0091	.0240	<.0000	21.24
#4	.0026	.0001	.0307	.0070	.0240	<.0000	21.08

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0000	.0004	.0025	.0011	.0656	2.040	6.989
SDev	.0011	.0009	.0008	.0008	.0020	.218	.044
%RSD	2843.	220.9	29.80	71.31	3.001	10.67	.6234

#1	.0007	.0009	.0015	.0013	.0671	1.732	6.941
#2	<.0000	<.0000	.0033	.0005	.0629	2.040	7.003
#3	<.0000	.0012	.0024	.0021	.0670	2.194	7.043
#4	.0012	.0006	.0029	.0005	.0657	2.194	6.972

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0861	<.0000	26.34	.0018	.0065	<.0000	.0511
SDev	.0006	.0028	.10	.0065	.0124	.0256	.0481
%RSD	.7563	145.2	.3913	355.0	189.8	604.7	94.03

#1	.0866	.0017	26.40	.0111	.0084	<.0000	.0057
#2	.0853	<.0000	26.37	<.0000	.0084	<.0000	.0239
#3	.0859	<.0000	26.41	.0015	.0196	<.0000	.0602
#4	.0866	<.0000	26.19	<.0000	<.0000	.0299	.1148

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.837	.0904	.0020	.0007
SDev	.038	.0899	.0014	.0006
%RSD	2.073	99.38	69.00	84.76

#1	1.781	.1023	.0017	.0014
#2	1.847	.0082	.0037	.0008
#3	1.865	.0395	.0024	.0002
#4	1.856	.2118	.0003	.0002

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Method: IECW Sample Name: 27456

Operator: it

Run Time: 11/29/01 11:03:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0024	.0213	.0162	.0001	.0142	<.0000	5.356
SDev	.0011	.0036	.0384	.0007	.0000	.0000	.038
%RSD	45.89	16.68	236.2	1065.	.0314	.0000	.7174

#1	.0013	.0183	<.0000	.0009	.0142	<.0000	5.379
#2	.0028	.0263	.0524	<.0000	.0142	<.0000	5.375
#3	.0038	.0213	.0102	.0003	.0142	<.0000	5.371
#4	.0018	.0193	.0374	<.0000	.0142	<.0000	5.299

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	.0015	.0025	.0015	.0228	1.193	1.157
SDev	.0011	.0011	.0013	.0010	.0020	.462	.026
%RSD	135.2	72.78	52.08	68.36	8.603	38.71	2.207

#1	.0005	.0031	.0020	.0001	.0201	.5003	1.156
#2	.0005	.0013	.0042	.0017	.0242	1.424	1.174
#3	.0025	.0010	.0029	.0025	.0242	1.424	1.177
#4	<.0000	.0007	.0011	.0017	.0229	1.424	1.122

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0267	<.0000	3.591	.0072	.0206	<.0000	.0493
SDev	.0006	.0036	.037	.0021	.0154	.0235	.0600
%RSD	2.070	4050.	1.023	28.89	74.82	245.9	121.7

#1	.0267	.0050	3.632	.0078	.0196	<.0000	.0630
#2	.0274	<.0000	3.600	.0042	.0009	<.0000	.1175
#3	.0267	<.0000	3.591	.0077	.0384	.0059	<.0000
#4	.0260	<.0000	3.543	.0090	.0234	.0060	.0448

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3646	.0489	.0023	.0061
SDev	.0237	.0557	.0012	.0006
%RSD	6.501	113.9	50.67	9.471

#1	.3436	<.0000	.0006	.0065
#2	.3716	.0959	.0026	.0053
#3	.3483	.0959	.0033	.0065
#4	.3951	.0177	.0026	.0059

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Method: IECW Sample Name: 27457

Operator: it

Run Time: 11/29/01 11:06:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0017	.0151	<.0000	.0001	.0142	<.0000	5.349
SDev	.0015	.0073	.0540	.0003	.0000	.0000	.020
%RSD	89.67	48.29	352.0	419.9	.0125	.0000	.3746

#1	.0013	.0143	<.0000	.0003	.0142	<.0000	5.364
#2	.0003	.0053	<.0000	.0003	.0142	<.0000	5.360
#3	.0038	.0223	.0585	<.0000	.0142	<.0000	5.320
#4	.0013	.0183	<.0000	<.0000	.0142	<.0000	5.353

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0023	.0015	.0028	.0197	.7601	1.136
SDev	.0008	.0016	.0016	.0004	.0035	.4161	.003
%RSD	174.5	70.64	102.9	14.95	17.64	54.75	.2721

#1	<.0000	.0016	.0038	.0034	.0242	.5773	1.134
#2	<.0000	.0034	.0015	.0026	.0201	.7312	1.134
#3	<.0000	.0039	.0002	.0026	.0187	1.347	1.134
#4	<.0000	.0004	.0006	.0026	.0159	.3848	1.140

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0230	<.0000	3.538	.0018	<.0000	<.0000	.0357
SDev	.0004	.0059	.025	.0041	.0127	.0238	.0481
%RSD	1.705	200.2	.7108	229.1	678.0	10440.	134.6

#1	.0233	<.0000	3.572	<.0000	<.0000	<.0000	<.0000
#2	.0226	<.0000	3.517	.0006	<.0000	.0308	.0812
#3	.0226	.0050	3.522	.0006	.0159	<.0000	.0630
#4	.0233	<.0000	3.543	.0078	<.0000	.0060	.0266

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3705	.0137	.0013	.0044
SDev	.0080	.0605	.0006	.0008
%RSD	2.153	440.5	42.55	17.52

#1	.3670	<.0000	.0013	.0053
#2	.3810	.0177	.0013	.0035
#3	.3624	.0959	.0020	.0047
#4	.3717	<.0000	.0006	.0041

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Method: IECW Sample Name: 27458

Operator: it

Run Time: 11/29/01 11:08:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0049	.0234	.0140	.0091	.0229	.0000	20.43
SDev	.0013	.0071	.0171	.0011	.0005	.0000	.16
%RSD	27.56	30.49	122.4	12.59	2.001	200.0	.7912

#1	.0041	.0241	.0215	.0091	.0232	<.0000	20.62
#2	.0051	.0172	.0216	.0086	.0233	<.0000	20.52
#3	.0036	.0192	<.0000	.0107	.0225	<.0000	20.30
#4	.0066	.0332	.0244	.0081	.0225	.0001	20.30

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	.0024	.0043	.0026	.0689	2.569	6.756
SDev	.0008	.0018	.0019	.0011	.0035	.356	.044
%RSD	249.6	75.94	44.09	41.38	5.039	13.86	.6479

#1	.0012	.0051	.0070	.0038	.0699	2.117	6.814
#2	<.0000	.0013	.0034	.0022	.0686	2.501	6.765
#3	.0007	.0016	.0026	.0013	.0644	2.694	6.715
#4	<.0000	.0015	.0043	.0030	.0728	2.963	6.731

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0814	<.0000	25.30	.0078	.0140	<.0000	.1420
SDev	.0010	.0036	.19	.0054	.0138	.0215	.0105
%RSD	1.247	793.4	.7509	68.43	98.71	1876.	7.364

#1	.0819	.0046	25.49	.0075	.0234	<.0000	.1511
#2	.0826	<.0000	25.41	.0004	.0271	<.0000	.1330
#3	.0805	<.0000	25.22	.0111	.0084	<.0000	.1330
#4	.0805	<.0000	25.07	.0123	<.0000	.0298	.1511

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.048	.0517	.0037	.0028
SDev	.029	.0562	.0006	.0003
%RSD	1.415	108.9	14.77	10.83

#1	2.081	.0868	.0037	.0026
#2	2.062	.1025	.0031	.0026
#3	2.015	.0400	.0037	.0033
#4	2.034	<.0000	.0044	.0026

Analysis Report

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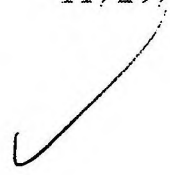
Method: IECW Sample Name: 27459

Operator: it

Run Time: 11/29/01 11:13:52

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0055	.0348	.0010	.0005	.0146	.0000	5.279
SDev	.0006	.0103	.0363	.0016	.0005	.0001	.022
%RSD	11.61	29.51	3648.	338.5	3.227	115.5	.4075

#1	.0054	.0233	<.0000	<.0000	.0150	.0001	5.285
#2	.0054	.0343	.0523	<.0000	.0142	<.0000	5.301
#3	.0049	.0333	.0010	.0009	.0142	<.0000	5.250
#4	.0064	.0483	<.0000	.0024	.0150	.0001	5.281

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0021	.0038	.0041	.0042	.0201	1.501	1.154
SDev	.0009	.0016	.0004	.0007	.0020	.189	.021
%RSD	41.24	41.83	10.45	16.02	9.795	12.56	1.822

#1	.0020	.0034	.0047	.0042	.0173	1.347	1.153
#2	.0010	.0019	.0042	.0042	.0215	1.347	1.146
#3	.0025	.0042	.0038	.0034	.0201	1.578	1.134
#4	.0030	.0057	.0037	.0050	.0214	1.732	1.183

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0243	<.0000	3.527	.0033	.0187	.0059	.0629
SDev	.0004	.0017	.022	.0030	.0192	.0202	.0393
%RSD	1.606	73.45	.6359	90.69	102.5	342.2	62.42

#1	.0240	<.0000	3.494	.0018	.0159	<.0000	.0630
#2	.0247	<.0000	3.534	.0078	<.0000	.0307	.1174
#3	.0240	<.0000	3.534	.0018	.0271	.0059	.0448
#4	.0247	<.0000	3.545	.0018	.0384	.0059	.0265

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7419	.0724	.0040	.0038
SDev	.0382	.0695	.0009	.0008
%RSD	5.149	95.93	23.88	20.26

#1	.7081	.0489	.0040	.0035
#2	.7128	.1742	.0047	.0041
#3	.7595	.0489	.0026	.0029
#4	.7874	.0175	.0047	.0047

Analysis Report

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Method: IECW Sample Name: 27460

Operator: it

Run Time: 11/29/01 11:16:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0074	.0445	.0197	.0030	.0148	.0001	5.365
SDev	.0014	.0081	.0284	.0017	.0004	.0000	.015
%RSD	19.40	18.17	144.2	56.18	2.762	40.00	.2800

#1	.0074	.0383	.0462	.0035	.0150	.0001	5.346
#2	.0094	.0563	.0218	.0014	.0150	.0002	5.369
#3	.0064	.0433	.0311	.0019	.0142	.0001	5.362
#4	.0064	.0403	<.0000	.0051	.0150	.0001	5.382

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	.0048	.0076	.0061	.0155	1.963	1.167
SDev	.0011	.0019	.0016	.0010	.0018	.389	.009
%RSD	60.96	38.85	20.91	17.14	11.26	19.80	.7903

#1	.0030	.0043	.0087	.0059	.0131	1.732	1.159
#2	.0025	.0061	.0091	.0075	.0159	2.540	1.180
#3	.0005	.0063	.0055	.0059	.0159	1.732	1.165
#4	.0015	.0023	.0073	.0050	.0173	1.847	1.165

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0214	.0028	3.566	.0078	.0346	.0059	.0584
SDev	.0006	.0036	.026	.0067	.0153	.0203	.0228
%RSD	3.028	130.6	.7233	86.08	44.16	344.3	39.17

#1	.0213	.0078	3.541	.0101	.0458	.0059	.0629
#2	.0219	<.0000	3.587	<.0000	.0421	<.0000	.0810
#3	.0206	.0021	3.547	.0089	.0122	.0307	.0266
#4	.0219	.0021	3.589	.0137	.0384	.0059	.0629

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9347	.0019	.0059	.0053
SDev	.0710	.0557	.0015	.0005
%RSD	7.597	2914.	25.58	9.225

#1	1.002	<.0000	.0067	.0053
#2	.9884	.0489	.0074	.0047
#3	.8856	.0489	.0054	.0059
#4	.8622	<.0000	.0040	.0053

Analysis Report

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Method: IECW Sample Name: 27461

Operator: it

Run Time: 11/29/01 11:18:27

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0064	.0413	.0378	.0092	.0244	.0001	20.89
SDev	.0019	.0078	.0398	.0015	.0005	.0000	.06
%RSD	29.35	18.86	105.4	15.82	1.958	66.67	.2659

#1	.0051	.0321	.0424	.0107	.0249	<.0000	20.84
#2	.0092	.0511	.0210	.0085	.0240	.0001	20.96
#3	.0056	.0421	<.0000	.0075	.0240	.0001	20.91
#4	.0056	.0401	.0906	.0101	.0249	.0001	20.86

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0015	.0040	.0074	.0046	.0727	2.463	6.899
SDev	.0007	.0022	.0015	.0015	.0011	.317	.020
%RSD	45.50	56.32	20.48	32.59	1.570	12.88	.2890

#1	.0022	.0039	.0078	.0030	.0727	2.194	6.885
#2	.0017	.0061	.0069	.0063	.0726	2.809	6.925
#3	.0012	.0009	.0056	.0038	.0713	2.194	6.904
#4	.0007	.0051	.0091	.0054	.0741	2.655	6.882

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0797	.0024	25.70	.0072	.0252	<.0000	.0738
SDev	.0003	.0083	.08	.0074	.0116	.0310	.0831
%RSD	.4259	343.9	.2945	102.1	46.10	294.9	112.6

#1	.0798	<.0000	25.77	<.0000	.0309	.0298	.0602
#2	.0798	.0132	25.66	.0135	.0383	<.0000	.1873
#3	.0792	.0017	25.62	.0111	.0121	<.0000	.0601
#4	.0798	.0017	25.77	.0075	.0196	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.406	.0475	.0049	.0020
SDev	.068	.0452	.0011	.0007
%RSD	2.819	95.18	23.48	34.11

#1	2.314	.0867	.0037	.0026
#2	2.478	.0866	.0064	.0026
#3	2.417	.0083	.0051	.0014
#4	2.417	.0084	.0044	.0014

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 11/29/01 11:23:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5009	.9782	.0884	.9549	.9536	.9385	.9910
SDev	.0021	.0050	.0126	.0052	.0049	.0049	.0034
%RSD	.4125	.5099	14.24	.5421	.5155	.5183	.3453

#1	.4984	.9770	.0938	.9536	.9478	.9328	.9879
#2	.5009	.9850	.0967	.9515	.9511	.9367	.9905
#3	.5009	.9730	.0697	.9520	.9577	.9405	.9896
#4	.5035	.9780	.0937	.9626	.9577	.9440	.9958

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9597	.9658	.9585	.9382	.9364	3.608	1.020
SDev	.0067	.0060	.0042	.0055	.0076	.085	.019
%RSD	.6970	.6159	.4423	.5851	.8173	2.365	1.867

#1	.9573	.9583	.9568	.9335	.9249	3.694	1.023
#2	.9516	.9644	.9559	.9335	.9402	3.579	1.020
#3	.9629	.9682	.9564	.9426	.9402	3.502	.9953
#4	.9670	.9723	.9648	.9434	.9402	3.656	1.042

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9537	.9718	1.076	.9669	1.004	.9702	.0405
SDev	.0054	.0103	.006	.0111	.026	.0175	.0297
%RSD	.5701	1.054	.5897	1.147	2.584	1.809	73.36

#1	.9457	.9574	1.082	.9776	1.026	.9702	.0041
#2	.9559	.9776	1.069	.9753	1.011	.9453	.0404
#3	.9579	.9718	1.073	.9586	.9664	.9826	.0768
#4	.9552	.9804	1.082	.9562	1.011	.9826	.0404

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.583	1.002	.9655	.9689
SDev	.034	.063	.0040	.0037
%RSD	2.118	6.252	.4199	.3811

#1	1.596	1.096	.9608	.9644
#2	1.549	.9707	.9635	.9674
#3	1.563	.9708	.9689	.9722
#4	1.624	.9707	.9689	.9716

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Method: IECW Sample Name: cb

Operator: it

Run Time: 11/29/01 11:37:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0020	.0028	.0189	<.0000	.0004	.0000	.0006
SDev	.0006	.0104	.0150	.0026	.0000	.0001	.0025
%RSD	28.87	374.2	79.37	277.6	.2046	19e6	382.9

#1	.0025	.0149	.0021	.0005	.0004	.0000	.0043
#2	.0015	<.0000	.0356	<.0000	.0004	<.0000	<.0000
#3	.0015	<.0000	.0114	<.0000	.0004	.0000	<.0000
#4	.0025	.0078	.0264	.0016	.0004	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	<.0000	.0004	<.0000	.2495	<.0000
SDev	.0007	.0017	.0018	.0005	.0018	.3610	.0139
%RSD	86.01	449.5	267.0	115.5	252.4	144.7	253.4

#1	.0005	.0008	.0002	.0008	<.0000	.5407	<.0000
#2	.0000	<.0000	<.0000	.0000	.0017	<.0000	<.0000
#3	.0015	<.0000	.0002	.0008	<.0000	<.0000	<.0000
#4	.0010	.0013	.0002	<.0000	<.0000	.5822	.0118

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	.0211	<.0000	.0094	.0218	.0914
SDev	.0003	.0043	.0281	.0023	.0212	.0215	.0377
%RSD	66.79	199.8	133.3	768.7	224.8	98.93	41.24

#1	<.0000	<.0000	.0130	<.0000	.0274	.0155	.0594
#2	.0000	<.0000	.0455	<.0000	<.0000	.0156	.1326
#3	<.0000	.0000	<.0000	.0003	.0274	.0031	.0594
#4	<.0000	<.0000	.0411	.0027	<.0000	.0528	.1142

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.2335	<.0000	.0003	.0006
SDev	.0410	.0467	.0019	.0008
%RSD	17.57	294.7	550.0	141.3

#1	.2891	<.0000	.0025	.0018
#2	.2397	.0317	<.0000	.0006
#3	.2051	.0159	<.0000	.0000
#4	.2001	<.0000	.0012	<.0000

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Method: IECW Sample Name: 27449

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0500	.0112	.0208	<.0000	21.08
SDev	.0017	.0055	.0259	.0009	.0000	.0001	.13
%RSD	11.25	7.097	51.81	8.038	.0678	16.50	.6106

#1	<.0000	<.0000	.0818	.0100	.0208	<.0000	20.98
#2	<.0000	<.0000	.0212	.0121	.0208	<.0000	20.96
#3	<.0000	<.0000	.0394	.0116	.0207	<.0000	21.19
#4	<.0000	<.0000	.0574	.0111	.0207	<.0000	21.20

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0591	<.0000	6.893
SDev	.0009	.0013	.0011	.0008	.0026	.3209	.058
%RSD	58.47	20.59	15.76	8.227	4.466	7.029	.8414

#1	<.0000	<.0000	<.0000	<.0000	.0584	<.0000	6.845
#2	<.0000	<.0000	<.0000	<.0000	.0556	<.0000	6.842
#3	<.0000	<.0000	<.0000	<.0000	.0611	<.0000	6.930
#4	<.0000	<.0000	<.0000	<.0000	.0611	<.0000	6.955

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0773	<.0000	26.11	.0010	<.0000	<.0000	<.0000
SDev	.0006	.0060	.14	.0076	.0079	.0296	.0476
%RSD	.8390	71.31	.5395	793.1	14.61	3391.	58.50

#1	.0775	<.0000	26.03	<.0000	<.0000	.0178	<.0000
#2	.0768	<.0000	25.97	.0090	<.0000	<.0000	<.0000
#3	.0782	<.0000	26.27	.0054	<.0000	<.0000	<.0000
#4	.0768	<.0000	26.19	<.0000	<.0000	.0302	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.796	.0245	<.0000	<.0000
SDev	.038	.1350	.0007	.0008
%RSD	2.113	551.9	7.585	1226.

#1	1.796	.2023	<.0000	<.0000
#2	1.791	.0443	<.0000	<.0000
#3	1.752	<.0000	<.0000	.0010
#4	1.845	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 27462

Operator: it

Run Time: 11/29/01 12:36:17

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0116	.0025	.0120	<.0000	5.387
SDev	.0010	.0057	.0153	.0010	.0004	.0000	.006
%RSD	6.777	6.771	131.7	40.49	3.428	13.33	.1174

#1	<.0000	<.0000	.0071	.0018	.0126	<.0000	5.378
#2	<.0000	<.0000	.0223	.0023	.0118	<.0000	5.394
#3	<.0000	<.0000	.0252	.0018	.0118	<.0000	5.387
#4	<.0000	<.0000	<.0000	.0039	.0118	<.0000	5.387

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0190	<.0000	1.066
SDev	.0024	.0011	.0015	.0008	.0035	.1485	.016
%RSD	108.4	13.27	15.47	7.564	18.40	2.392	1.509

#1	<.0000	<.0000	<.0000	<.0000	.0142	<.0000	1.071
#2	<.0000	<.0000	<.0000	<.0000	.0197	<.0000	1.068
#3	<.0000	<.0000	<.0000	<.0000	.0197	<.0000	1.081
#4	<.0000	<.0000	<.0000	<.0000	.0225	<.0000	1.043

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	3.440	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0055	.030	.0064	.0066	.0215	.0722
%RSD	2.687	42.49	.8609	1136.	14.15	86.82	309.9

#1	.0236	<.0000	3.444	<.0000	<.0000	<.0000	<.0000
#2	.0236	<.0000	3.405	<.0000	<.0000	<.0000	.0689
#3	.0250	<.0000	3.433	.0081	<.0000	<.0000	<.0000
#4	.0243	<.0000	3.477	<.0000	<.0000	.0063	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0407	<.0000	<.0000	.0017
SDev	.0092	.0489	.0014	.0011
%RSD	22.73	108.3	13.16	65.75

#1	.0468	.0220	<.0000	.0001
#2	.0419	<.0000	<.0000	.0019
#3	.0273	<.0000	<.0000	.0025
#4	.0468	<.0000	<.0000	.0025

Analysis Report

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page 1

Method: IECW Sample Name: 27462lab dup

Operator: it

Run Time: 11/29/01 12:38:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0319	.0023	.0120	<.0000	5.350
SDev	.0014	.0052	.0352	.0019	.0004	.0000	.034
%RSD	9.126	6.788	110.3	80.61	3.416	15.38	.6407

#1	<.0000	<.0000	.0222	.0050	.0118	<.0000	5.328
#2	<.0000	<.0000	<.0000	.0023	.0126	<.0000	5.368
#3	<.0000	<.0000	.0312	.0008	.0118	<.0000	5.315
#4	<.0000	<.0000	.0794	.0013	.0118	<.0000	5.389

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0187	<.0000	1.067
SDev	.0014	.0013	.0004	.0004	.0021	.2385	.005
%RSD	245.5	15.28	5.938	4.918	11.15	4.124	.5095

#1	<.0000	<.0000	<.0000	<.0000	.0170	<.0000	1.065
#2	<.0000	<.0000	<.0000	<.0000	.0170	<.0000	1.062
#3	.0005	<.0000	<.0000	<.0000	.0197	<.0000	1.065
#4	<.0000	<.0000	<.0000	<.0000	.0211	<.0000	1.074

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0243	<.0000	3.454	.0015	<.0000	<.0000	<.0000
SDev	.0000	.0028	.025	.0023	.0203	.0411	.0681
%RSD	.0028	25.47	.7351	150.0	38.96	265.1	209.4

#1	.0243	<.0000	3.448	.0045	<.0000	<.0000	<.0000
#2	.0243	<.0000	3.440	<.0000	<.0000	<.0000	<.0000
#3	.0243	<.0000	3.438	<.0000	<.0000	.0436	<.0000
#4	.0243	<.0000	3.492	.0021	<.0000	<.0000	.0688

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0894	<.0000	<.0000	.0007
SDev	.0240	.0474	.0007	.0008
%RSD	26.85	270.4	6.742	125.2

#1	.0809	.0062	<.0000	.0001
#2	.1248	<.0000	<.0000	.0001
#3	.0712	.0062	<.0000	.0007
#4	.0809	.0061	<.0000	.0019

Analysis Report

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page 1

Method: IECW Sample Name: 27462spk

Operator: it

Run Time: 11/29/01 12:44:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0080	.1477	.2804	.2555	.2534	.0468	5.296
SDev	.0017	.0073	.0372	.0022	.0018	.0001	.017
%RSD	21.58	4.933	13.28	.8677	.7166	.3267	.3238

#1	.0058	.1492	.2456	.2533	.2560	.0470	5.321
#2	.0098	.1432	.2699	.2554	.2528	.0468	5.289
#3	.0078	.1411	.2729	.2548	.2528	.0467	5.293
#4	.0088	.1574	.3332	.2585	.2519	.0466	5.283

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0982	.0927	.2328	.2284	.2584	<.0000	1.049
SDev	.0047	.0009	.0010	.0004	.0033	.1797	.009
%RSD	4.796	.9614	.4239	.1810	1.280	3.005	.8805

#1	.0926	.0937	.2331	.2282	.2633	<.0000	1.062
#2	.1028	.0918	.2323	.2282	.2563	<.0000	1.040
#3	.0962	.0931	.2340	.2282	.2577	<.0000	1.049
#4	.1013	.0922	.2318	.2290	.2563	<.0000	1.046

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sp2068	Se1960
Avge	.2682	.0856	3.437	.2403	.1853	.2013	.2245
SDev	.0013	.0072	.028	.0041	.0136	.0327	.0922
%RSD	.4843	8.418	.8039	1.696	7.339	16.23	41.06

#1	.2692	.0892	3.431	.2457	.1749	.2169	.2337
#2	.2692	.0892	3.468	.2385	.2052	.2045	.3443
#3	.2665	.0748	3.448	.2409	.1825	.1547	.1231
#4	.2679	.0892	3.403	.2361	.1787	.2293	.1968

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1589	.2150	.0867	.2447
SDev	.0211	.0687	.0018	.0031
%RSD	13.26	31.98	2.066	1.278

#1	.1394	.1478	.0850	.2438
#2	.1492	.2268	.0871	.2480
#3	.1589	.3058	.0891	.2462
#4	.1882	.1794	.0857	.2408

Analysis Report

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page 1

Method: IECW Sample Name: 27463

Operator: it

Run Time: 11/29/01 12:58:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0236	.0031	.0109	<.0000	5.341
SDev	.0005	.0027	.0498	.0007	.0000	.0000	.008
%RSD	3.209	3.578	210.9	21.83	.0048	15.38	.1582

#1	<.0000	<.0000	.0433	.0034	.0109	<.0000	5.344
#2	<.0000	<.0000	<.0000	.0039	.0109	<.0000	5.351
#3	<.0000	<.0000	.0765	.0029	.0109	<.0000	5.339
#4	<.0000	<.0000	.0161	.0023	.0109	<.0000	5.331

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0198	<.0000	1.042
SDev	.0016	.0018	.0007	.0008	.0011	.2117	.011
%RSD	67.59	22.90	8.359	8.984	5.745	3.387	1.083

#1	<.0000	<.0000	<.0000	<.0000	.0184	<.0000	1.040
#2	<.0000	<.0000	<.0000	<.0000	.0198	<.0000	1.027
#3	<.0000	<.0000	<.0000	<.0000	.0211	<.0000	1.052
#4	<.0000	<.0000	<.0000	<.0000	.0198	<.0000	1.049

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0213	<.0000	3.369	.0024	<.0000	<.0000	<.0000
SDev	.0007	.0041	.0029	.0052	.0104	.0256	.0092
%RSD	3.188	35.28	.8638	214.1	16.70	165.4	49.30

#1	.0203	<.0000	3.392	.0045	<.0000	.0063	<.0000
#2	.0216	<.0000	3.361	.0069	<.0000	.0063	<.0000
#3	.0216	<.0000	3.331	.0033	<.0000	<.0000	<.0000
#4	.0216	<.0000	3.392	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0004
SDev	.0317	.0553	.0006	.0008
%RSD	20.55	80.32	5.003	205.2

#1	<.0000	<.0000	<.0000	.0007
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0001
#4	<.0000	<.0000	<.0000	.0013

Analysis Report

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page 1

Method: IECW Sample Name: 27464

Operator: it

Run Time: 11/29/01 13:00:40

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0688	.0096	.0206	<.0000	21.02
SDev	.0009	.0059	.0319	.0014	.0004	.0000	.04
%RSD	5.617	7.415	46.35	14.47	1.999	15.38	.1775

#1	<.0000	<.0000	.1149	.0111	.0208	<.0000	20.98
#2	<.0000	<.0000	.0545	.0084	.0208	<.0000	21.06
#3	<.0000	<.0000	.0635	.0084	.0208	<.0000	21.00
#4	<.0000	<.0000	.0425	.0105	.0199	<.0000	21.04

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0772	<.0000	6.898
SDev	.0011	.0013	.0018	.0007	.0014	.3554	.007
%RSD	64.95	16.14	30.04	7.162	1.806	7.681	.1076

#1	<.0000	<.0000	<.0000	<.0000	.0765	<.0000	6.908
#2	<.0000	<.0000	<.0000	<.0000	.0765	<.0000	6.898
#3	<.0000	<.0000	<.0000	<.0000	.0793	<.0000	6.892
#4	<.0000	<.0000	<.0000	<.0000	.0765	<.0000	6.892

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0739	<.0000	25.80	.0042	<.0000	.0022	.0568
SDev	.0003	.0036	.18	.0028	.0187	.0157	.0532
%RSD	.4586	52.61	.7049	64.97	40.29	701.5	93.66

#1	.0741	<.0000	25.58	.0019	<.0000	.0178	.1213
#2	.0741	<.0000	25.97	.0066	<.0000	<.0000	<.0000
#3	.0741	<.0000	25.92	.0019	<.0000	.0053	.0476
#4	.0734	<.0000	25.72	.0066	<.0000	.0054	.0661

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.458	.0639	<.0000	<.0000
SDev	.020	.0568	.0008	.0003
%RSD	1.402	88.84	8.410	67.50

#1	1.445	.0126	<.0000	<.0000
#2	1.450	.0758	<.0000	<.0000
#3	1.489	.0284	<.0000	<.0000
#4	1.450	.1390	<.0000	<.0000

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Method: IECW Sample Name: 27465

Operator: it

Run Time: 11/29/01 13:03:35

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0423	.0031	.0099	<.0000	5.108
SDev	.0007	.0048	.0440	.0013	.0004	.0000	.013
%RSD	3.097	4.165	104.1	39.91	4.124	9.524	.2487

#1	<.0000	<.0000	.0771	.0039	.0102	<.0000	5.090
#2	<.0000	<.0000	.0106	.0045	.0093	<.0000	5.115
#3	<.0000	<.0000	<.0000	.0024	.0102	<.0000	5.109
#4	<.0000	<.0000	.0831	.0018	.0102	<.0000	5.119

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0233	<.0000	.9637
SDev	.0011	.0010	.0014	.0008	.0035	.1949	.0047
%RSD	37.94	9.368	10.50	6.098	15.05	2.249	.4886

#1	<.0000	<.0000	<.0000	<.0000	.0281	<.0000	.9614
#2	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	.9614
#3	<.0000	<.0000	<.0000	<.0000	.0198	<.0000	.9708
#4	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	.9614

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0250	<.0000	3.257	<.0000	<.0000	<.0000	.0460
SDev	.0000	.0043	.028	.0048	.0181	.0256	.1014
%RSD	.0006	46.13	.8733	116.8	23.95	166.7	220.5

#1	.0250	<.0000	3.277	<.0000	<.0000	.0064	.0690
#2	.0250	<.0000	3.286	.0010	<.0000	<.0000	.0690
#3	.0250	<.0000	3.234	<.0000	<.0000	.0064	.1427
#4	.0250	<.0000	3.231	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0377	.0624	.0007	.0009
%RSD	6.185	102.6	4.584	1359.

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0013
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 27466

Operator: it

Run Time: 11/29/01 13:06:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0173	.0021	.0095	<.0000	5.087
SDev	.0014	.0092	.0151	.0019	.0004	.0000	.023
%RSD	6.345	8.562	87.18	93.24	4.296	9.524	.4506

#1	<.0000	<.0000	.0318	.0013	.0093	<.0000	5.117
#2	<.0000	<.0000	.0075	.0039	.0102	<.0000	5.085
#3	<.0000	<.0000	.0285	.0034	.0093	<.0000	5.061
#4	<.0000	<.0000	.0015	<.0000	.0093	<.0000	5.085

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9559
SDev	.0012	.0011	.0013	.0009	.0018	.4494	.0074
%RSD	51.83	9.805	11.33	7.265	8.207	5.346	.7762

#1	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	.9457
#2	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	.9614
#3	<.0000	<.0000	<.0000	<.0000	.0212	<.0000	.9614
#4	<.0000	<.0000	<.0000	<.0000	.0198	<.0000	.9551

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	<.0000	3.189	.0007	<.0000	<.0000	<.0000
SDev	.0004	.0086	.030	.0067	.0146	.0186	.0106
%RSD	1.680	62.83	.9377	1022.	17.57	630.5	76.14

#1	.0237	<.0000	3.158	<.0000	<.0000	.0064	<.0000
#2	.0237	<.0000	3.225	.0093	<.0000	<.0000	<.0000
#3	.0230	<.0000	3.173	.0021	<.0000	.0063	<.0000
#4	.0230	<.0000	3.201	<.0000	<.0000	.0064	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0013
SDev	.0291	.0506	.0018	.0010
%RSD	4.583	73.65	11.92	76.31

#1	<.0000	<.0000	<.0000	.0001
#2	<.0000	<.0000	<.0000	.0013
#3	<.0000	<.0000	<.0000	.0013
#4	<.0000	<.0000	<.0000	.0025

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Method: IECW Sample Name: 27467

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0248	.0091	.0194	<.0000	20.28
SDev	.0017	.0120	.0428	.0023	.0004	.0000	.07
%RSD	8.537	11.64	173.1	25.15	2.097	10.53	.3460

#1	<.0000	<.0000	.0640	.0111	.0192	<.0000	20.19
#2	<.0000	<.0000	.0278	.0111	.0192	<.0000	20.34
#3	<.0000	<.0000	.0427	.0069	.0192	<.0000	20.24
#4	<.0000	<.0000	<.0000	.0074	.0200	<.0000	20.33

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0780	<.0000	6.618
SDev	.0010	.0009	.0013	.0004	.0025	.1797	.024
%RSD	61.11	9.386	14.16	3.552	3.245	2.766	.3660

#1	<.0000	<.0000	<.0000	<.0000	.0753	<.0000	6.585
#2	<.0000	<.0000	<.0000	<.0000	.0808	<.0000	6.641
#3	<.0000	<.0000	<.0000	<.0000	.0794	<.0000	6.619
#4	<.0000	<.0000	<.0000	<.0000	.0766	<.0000	6.628

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0745	<.0000	25.06	.0037	<.0000	<.0000	.0156
SDev	.0007	.0068	.20	.0044	.0190	.0294	.1970
%RSD	.9107	82.05	.7801	118.8	25.49	180.1	1267.

#1	.0741	<.0000	24.81	.0055	<.0000	.0054	<.0000
#2	.0741	<.0000	25.16	.0055	<.0000	.0055	<.0000
#3	.0741	<.0000	25.02	.0067	<.0000	<.0000	.0293
#4	.0755	<.0000	25.26	<.0000	<.0000	<.0000	.2875

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9848	<.0000	<.0000	<.0000
SDev	.0141	.0916	.0006	.0008
%RSD	1.429	346.5	4.909	106.4

#1	.9873	<.0000	<.0000	<.0000
#2	1.002	<.0000	<.0000	<.0000
#3	.9823	.0762	<.0000	<.0000
#4	.9677	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 27468

Operator: it

Run Time: 11/29/01 13:13:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0030	.0024	.0097	<.0000	5.061
SDev	.0020	.0125	.0282	.0018	.0005	.0000	.016
%RSD	8.974	11.63	955.4	75.56	4.868	.0000	.3069

#1	<.0000	<.0000	.0317	.0029	.0093	<.0000	5.084
#2	<.0000	<.0000	.0137	.0018	.0093	<.0000	5.058
#3	<.0000	<.0000	<.0000	.0045	.0102	<.0000	5.052
#4	<.0000	<.0000	.0013	.0002	.0102	<.0000	5.050

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9465
SDev	.0032	.0012	.0011	.0011	.0027	.3390	.0210
%RSD	144.9	10.11	9.052	8.387	12.16	4.165	2.223

#1	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	.9394
#2	<.0000	<.0000	<.0000	<.0000	.0212	<.0000	.9740
#3	<.0000	<.0000	<.0000	<.0000	.0184	<.0000	.9237
#4	.0010	<.0000	<.0000	<.0000	.0240	<.0000	.9488

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	<.0000	3.185	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0049	.021	.0030	.0095	.0215	.0573
%RSD	1.533	35.94	.6593	264.0	11.63	87.07	112.7

#1	.0216	<.0000	3.212	<.0000	<.0000	<.0000	<.0000
#2	.0223	<.0000	3.168	<.0000	<.0000	<.0000	<.0000
#3	.0223	<.0000	3.192	.0034	<.0000	.0063	<.0000
#4	.0223	<.0000	3.168	<.0000	<.0000	<.0000	.0137

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0002
SDev	.0538	.0758	.0015	.0006
%RSD	7.121	78.69	10.53	245.0

#1	<.0000	.0064	<.0000	.0007
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0001
#4	<.0000	<.0000	<.0000	.0007

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Method: IECW Sample Name: 27469

Operator: it

Run Time: 11/29/01 13:17:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0021	.0038	.0099	<.0000	5.168
SDev	.0012	.0040	.0406	.0007	.0004	.0001	.020
%RSD	6.505	4.016	1969.	17.43	4.137	12.83	.3860

#1	<.0000	<.0000	.0255	.0045	.0093	<.0000	5.179
#2	<.0000	<.0000	.0436	.0029	.0101	<.0000	5.184
#3	<.0000	<.0000	<.0000	.0039	.0101	<.0000	5.169
#4	<.0000	<.0000	<.0000	.0039	.0101	<.0000	5.140

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	.9747
SDev	.0018	.0018	.0032	.0012	.0023	.4109	.0231
%RSD	325.4	18.19	28.20	10.60	10.03	5.724	2.372

#1	<.0000	<.0000	<.0000	<.0000	.0253	<.0000	1.002
#2	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	.9739
#3	.0005	<.0000	<.0000	<.0000	.0226	<.0000	.9771
#4	.0015	<.0000	<.0000	<.0000	.0198	<.0000	.9457

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	<.0000	3.254	.0027	<.0000	<.0000	.0137
SDev	.0006	.0036	.029	.0012	.0214	.0249	.1116
%RSD	2.559	45.72	.8940	43.57	26.02	407.9	817.4

#1	.0223	<.0000	3.275	.0033	<.0000	.0063	<.0000
#2	.0216	<.0000	3.283	.0033	<.0000	<.0000	.0690
#3	.0209	<.0000	3.231	.0009	<.0000	.0063	.1243
#4	.0216	<.0000	3.227	.0033	<.0000	.0063	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0207	.0454	.0006	.0008
%RSD	3.128	100.8	5.293	163.9

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0001
#3	<.0000	.0063	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0001

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page 1

Method: IECW Sample Name: 27470

Operator: it

Run Time: 11/29/01 13:19:37

Comment: .

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0386	.0112	.0180	<.0000	19.95
SDev	.0009	.0112	.0321	.0020	.0005	.0000	.06
%RSD	4.337	9.994	83.34	17.70	2.620	.0000	.2772

#1	<.0000	<.0000	.0369	.0112	.0184	<.0000	19.90
#2	<.0000	<.0000	<.0000	.0085	.0176	<.0000	19.95
#3	<.0000	<.0000	.0522	.0117	.0184	<.0000	20.02
#4	<.0000	<.0000	.0703	.0133	.0176	<.0000	19.91

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0687	<.0000	6.490
SDev	.0018	.0008	.0002	.0008	.0031	.3779	.020
%RSD	98.18	7.128	2.261	5.938	4.493	5.664	.3095

#1	<.0000	<.0000	<.0000	<.0000	.0670	<.0000	6.487
#2	<.0000	<.0000	<.0000	<.0000	.0697	<.0000	6.478
#3	<.0000	<.0000	<.0000	<.0000	.0725	<.0000	6.475
#4	<.0000	<.0000	<.0000	<.0000	.0656	<.0000	6.519

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0812	<.0000	24.90	.0049	<.0000	.0086	<.0000
SDev	.0007	.0060	.16	.0028	.0206	.0062	.1146
%RSD	.8359	71.74	.6365	57.47	29.86	71.89	259.0

#1	.0816	<.0000	24.81	.0008	<.0000	.0179	<.0000
#2	.0816	<.0000	25.01	.0055	<.0000	.0055	<.0000
#3	.0816	<.0000	25.06	.0067	<.0000	.0055	.0479
#4	.0802	<.0000	24.73	.0067	<.0000	.0055	.0110

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8875	.0409	<.0000	<.0000
SDev	.0319	.0840	.0006	.0000
%RSD	3.601	205.2	4.919	.0847

#1	.9143	<.0000	<.0000	<.0000
#2	.8412	.1397	<.0000	<.0000
#3	.8948	.0765	<.0000	<.0000
#4	.8996	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 11/29/01 13:31:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4764 ✓	.9072 ✓	.0654	.9394 ✓	.9384 ✓	.9325 ✓	.9650 ✓
SDev	.0028	.0097	.0326	.0069	.0085	.0076	.0075
%RSD	.5796	1.063	49.77	.7306	.9103	.8105	.7729

#1	.4756	.8956	.0392	.9340	.9319	.9254	.9570
#2	.4736	.9118	.0873	.9330	.9335	.9271	.9603
#3	.4802	.9178	.0993	.9456	.9376	.9358	.9724
#4	.4761	.9037	.0360	.9451	.9507	.9415	.9701

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9387 ✓	.9495 ✓	.9359 ✓	.9101 ✓	.9225 ✓	.3746	.9255 ✓
SDev	.0099	.0094	.0081	.0086	.0088	.4512	.0054
%RSD	1.050	.9935	.8712	.9505	.9538	120.4	.5832

#1	.9399	.9375	.9241	.9014	.9141	.0887	.9177
#2	.9260	.9465	.9379	.9056	.9169	.7591	.9302
#3	.9388	.9561	.9388	.9122	.9252	.7591	.9270
#4	.9501	.9579	.9428	.9213	.9336	<.0000	.9270

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9416 ✓	.9430 ✓	.9316 ✓	.9455 ✓	.9707	.9276	.0503
SDev	.0067	.0106	.0123	.0172	.0294	.0259	.0485
%RSD	.7116	1.126	1.315	1.823	3.029	2.796	96.37

#1	.9347	.9294	.9133	.9434	.9735	.9588	.0596
#2	.9374	.9438	.9370	.9398	.9321	.8965	.0045
#3	.9455	.9553	.9370	.9697	.9735	.9338	.1145
#4	.9489	.9438	.9391	.9291	1.004	.9214	.0228

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9028	.9345	.9471 ✓	.9519 ✓
SDev	.0433	.0905	.0072	.0076
%RSD	4.799	9.679	.7569	.7997

#1	.8783	.8123	.9393	.9471
#2	.8604	1.017	.9427	.9447
#3	.9586	.9858	.9535	.9543
#4	.9140	.9227	.9528	.9616

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 11/29/01 13:39:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Bf2496	Ba4934	Be3130	Ca3179
Avge	.0043	.0285	.0064	<.0000	.0006	<.0000	.0058
SDev	.0003	.0041	.0278	.0016	.0005	.0000	.0014
%RSD	5.882	14.56	432.1	69.98	77.20	.0000	23.48

#1	.0047	.0338	.0396	<.0000	.0010	<.0000	.0055
#2	.0042	.0277	.0185	<.0000	.0002	<.0000	.0057
#3	.0042	.0287	<.0000	<.0000	.0002	<.0000	.0076
#4	.0042	.0237	<.0000	<.0000	.0010	<.0000	.0043

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0013	.0051	.0025	<.0000	1.992	.0164
SDev	.0003	.0002	.0012	.0008	.0013	.122	.0074
%RSD	77.18	15.22	23.98	31.92	20680.	6.130	45.02

#1	.0001	.0011	.0057	.0035	.0017	2.061	.0265
#2	.0006	.0012	.0043	.0019	.0003	1.982	.0171
#3	.0001	.0014	.0039	.0019	<.0000	1.824	.0109
#4	.0006	.0015	.0066	.0027	<.0000	2.100	.0109

Elem	Mn2576	Mo2020	Na5889	Ni2316	Rb2203	Sb2068	Se1960
Avge	.0002	<.0000	.0366	.0039	.0207	<.0000	.0641
SDev	.0003	.0029	.0081	.0061	.0127	.0072	.1004
%RSD	201.7	99.39	22.21	157.0	61.24	224.9	156.7

#1	<.0000	<.0000	.0458	.0098	.0169	<.0000	.0457
#2	<.0000	<.0000	.0393	<.0000	.0358	.0030	.1741
#3	.0007	<.0000	.0264	.0039	.0056	.0030	.1008
#4	<.0000	<.0000	.0350	.0063	.0245	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0345	<.0000	.0041	<.0000
SDev	.0152	.0471	.0008	.0010
%RSD	44.11	593.1	20.96	229.6

#1	.0412	.0117	.0052	<.0000
#2	.0145	<.0000	.0039	.0004
#3	.0502	<.0000	.0032	<.0000
#4	.0323	.0433	.0039	<.0000

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Method: IECW Sample Name: lfb

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0207	.2246	.2259	.2383	.2325	.0452	.0169
SDev	.0016	.0081	.0546	.0037	.0017	.0002	.0026
%RSD	7.630	3.616	24.15	1.575	.7339	.4078	15.44

#1	.0189	.2150	.1852	.2351	.2321	.0450	.0153
#2	.0214	.2291	.2666	.2436	.2329	.0454	.0188
#3	.0224	.2331	.1728	.2362	.2305	.0451	.0195
#4	.0199	.2211	.2788	.2383	.2346	.0454	.0141

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0979	.0958	.2365	.2319	.2317	<.0000	<.0000
SDev	.0040	.0016	.0022	.0014	.0035	.2977	.0184
%RSD	4.117	1.644	.9343	.6168	1.501	35.53	180.4

#1	.0974	.0964	.2343	.2299	.2271	<.0000	<.0000
#2	.1025	.0942	.2392	.2332	.2327	<.0000	.0015
#3	.0989	.0977	.2352	.2323	.2313	<.0000	.0077
#4	.0928	.0948	.2374	.2323	.2355	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2369	.0871	.0080	.2436	.2307	.1860	.2190
SDev	.0014	.0043	.0199	.0069	.0209	.0236	.0626
%RSD	.5901	4.965	248.2	2.842	9.081	12.68	28.60

#1	.2354	.0820	<.0000	.2511	.2241	.2016	.2466
#2	.2367	.0907	.0156	.2343	.2391	.1891	.2098
#3	.2367	.0849	.0328	.2451	.2542	.1518	.2832
#4	.2388	.0907	<.0000	.2439	.2052	.2016	.1365

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0669	.2320	.0937	.2386
SDev	.0515	.0901	.0008	.0023
%RSD	76.99	38.84	.9078	.9518

#1	.0056	.1848	.0925	.2364
#2	.0948	.3582	.0938	.2406
#3	.1216	.1531	.0938	.2406
#4	.0458	.2320	.0945	.2370

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Method: IECW Sample Name: lrb

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0043	.0232	.0072	<.0000	.0008	<.0000	.0053
SDev	.0018	.0034	.0556	.0016	.0004	.0000	.0004
%RSD	41.18	14.85	766.5	124.0	50.14	.0000	7.441

#1	.0022	.0217	<.0000	<.0000	.0010	<.0000	.0048
#2	.0062	.0237	.0035	<.0000	.0010	<.0000	.0057
#3	.0037	.0277	.0850	<.0000	.0002	<.0000	.0055
#4	.0052	.0196	<.0000	<.0000	.0010	<.0000	.0052

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0025	.0050	.0019	.0010	1.646	.0210
SDev	.0015	.0005	.0021	.0000	.0018	.250	.0074
%RSD	298.0	20.70	41.42	.0088	173.2	15.21	35.01

#1	.0001	.0020	.0043	.0019	<.0000	1.311	.0109
#2	.0012	.0032	.0057	.0019	.0003	1.903	.0265
#3	<.0000	.0023	.0075	.0019	.0031	1.745	.0265
#4	<.0000	.0026	.0026	.0019	.0017	1.627	.0203

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0014	.0253	.0009	.0085	<.0000	.0733
SDev	.0003	.0024	.0221	.0037	.0233	.0294	.0237
%RSD	198.4	165.1	87.23	417.1	275.1	467.5	32.33

#1	<.0000	.0014	.0027	.0003	.0056	<.0000	.1008
#2	<.0000	.0043	.0501	<.0000	.0132	.0155	.0641
#3	<.0000	<.0000	.0113	<.0000	.0358	<.0000	.0457
#4	<.0000	.0014	.0372	.0063	<.0000	.0155	.0825

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0034	.0003
SDev	.0386	.0756	.0008	.0006
%RSD	69.17	636.3	25.17	192.9

#1	<.0000	<.0000	.0032	<.0000
#2	<.0000	.0275	.0025	.0011
#3	<.0000	<.0000	.0032	<.0000
#4	<.0000	.0591	.0046	.0004

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Method: IECW Sample Name: 27471

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0972	.0084	.0204	<.0000	20.15
SDev	.0003	.0050	.0182	.0019	.0004	.0000	.06
%RSD	3.638	13.88	18.72	22.66	1.989	.0000	.3194

#1	<.0000	<.0000	.0964	.0074	.0202	<.0000	20.07
#2	<.0000	<.0000	.0723	.0080	.0202	<.0000	20.12
#3	<.0000	<.0000	.1055	.0111	.0202	<.0000	20.20
#4	<.0000	<.0000	.1147	.0069	.0210	<.0000	20.20

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0683	<.0000	6.586
SDev	.0012	.0013	.0015	.0014	.0014	.2121	.026
%RSD	126.5	34.29	99.62	36.88	2.028	16.80	.3883

#1	<.0000	<.0000	<.0000	<.0000	.0690	<.0000	6.574
#2	.0003	<.0000	<.0000	<.0000	.0662	<.0000	6.561
#3	<.0000	<.0000	.0007	<.0000	.0690	<.0000	6.620
#4	<.0000	<.0000	<.0000	<.0000	.0690	<.0000	6.589

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0806	<.0000	24.83	.0019	<.0000	.0022	.1437
SDev	.0007	.0053	.19	.0025	.0149	.0176	.0771
%RSD	.8412	111.1	.7825	127.2	105.3	814.0	53.66

#1	.0795	<.0000	24.55	<.0000	<.0000	.0021	.2262
#2	.0809	<.0000	24.88	.0046	<.0000	<.0000	.0978
#3	.0809	.0010	24.98	.0034	<.0000	<.0000	.0611
#4	.0809	<.0000	24.92	<.0000	<.0000	.0271	.1895

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.553	.0248	<.0000	<.0000
SDev	.009	.0942	.0006	.0008
%RSD	.5499	379.4	12.86	49.94

#1	1.550	.1589	<.0000	<.0000
#2	1.559	.0012	<.0000	<.0000
#3	1.559	.0011	<.0000	<.0000
#4	1.542	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 27471lab dup

Operator: it

Run Time: 11/29/01 13:48:20

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0435	.0103	.0212	<.0000	20.23
SDev	.0018	.0063	.0333	.0003	.0004	.0000	.02
%RSD	23.74	21.32	76.59	2.905	1.922	14.29	.0911

#1	<.0000	<.0000	.0722	.0101	.0210	<.0000	20.21
#2	<.0000	<.0000	.0723	.0106	.0210	<.0000	20.25
#3	<.0000	<.0000	.0117	.0106	.0219	<.0000	20.24
#4	<.0000	<.0000	.0177	.0101	.0210	<.0000	20.22

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0669	<.0000	6.624
SDev	.0026	.0006	.0021	.0007	.0014	.4714	.030
%RSD	305.1	11.82	3163.	18.66	2.070	37.95	.4537

#1	<.0000	<.0000	<.0000	<.0000	.0676	<.0000	6.614
#2	<.0000	<.0000	<.0000	<.0000	.0676	<.0000	6.627
#3	<.0000	<.0000	<.0000	<.0000	.0676	<.0000	6.664
#4	.0029	<.0000	.0030	<.0000	.0648	<.0000	6.592

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0804	<.0000	24.91	.0031	<.0000	<.0000	.0565
SDev	.0010	.0041	.07	.0085	.0124	.0236	.0606
%RSD	1.264	53.45	.2911	271.5	35.72	52.91	107.2

#1	.0795	<.0000	25.02	<.0000	<.0000	<.0000	<.0000
#2	.0809	<.0000	24.88	.0106	<.0000	<.0000	.0244
#3	.0816	<.0000	24.89	<.0000	<.0000	<.0000	.1161
#4	.0795	<.0000	24.86	.0094	<.0000	<.0000	.0978

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.559	.0366	<.0000	.0004
SDev	.044	.0521	.0006	.0006
%RSD	2.854	142.5	14.80	150.4

#1	1.528	.0957	<.0000	<.0000
#2	1.591	<.0000	<.0000	.0007
#3	1.515	.0010	<.0000	.0007
#4	1.604	.0642	<.0000	.0007

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Method: IECW Sample Name: 27471spk

Operator: it

Run Time: 11/29/01 13:59:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0115 <i>0</i>	.2198 <i>0</i>	.2827	.2577	.2559 <i>0.0204</i>	.0459 <i>0</i>	19.97 <i>NA</i>
SDev	.0019	.0084	.0319	.0025	.0010	.0002	.08
%RSD	16.55 <i>46%</i>	3.844	11.30	.9815	.4107	.4873	.4014
#1	.0135	.2233	.2381	.2605	.2546	.0456	19.88
#2	.0120	.2233	.3136	.2547	.2554	.0458	19.96
#3	.0089	.2072	.2927	.2568	.2563	.0459	19.95
#4	.0115	.2253	.2864	.2589	.2571	.0462	20.07
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0951 <i>0</i>	.0899 <i>0</i>	.2327 <i>0</i>	.2256 <i>0</i>	.2993 <i>0.0683</i>	<.0000	6.535 <i>NA</i>
SDev	.0014	.0015	.0028	.0017	.0043	.1385	.012
%RSD	1.415	1.706	1.198	.7614	1.448 <i>92%</i>	12.01	.1882
#1	.0971	.0896	.2356	.2236	.3014	<.0000	6.521
#2	.0940	.0884	.2334	.2260	.3042	<.0000	6.530
#3	.0945	.0896	.2289	.2252	.2972	<.0000	6.546
#4	.0950	.0920	.2329	.2277	.2944	<.0000	6.546
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.3144 <i>0.08806</i>	.0924 <i>0</i>	24.64 <i>NA</i>	.2423 <i>0.0017</i>	.2184	.2099	.3305
SDev	.0014 <i>94%</i>	.0028	.13	.0052	.0109	.0294	.0482
%RSD	.4447	2.989	.5466	2.130	4.978	14.03	14.60
#1	.3136	.0960	24.45	.2423	.2165	.2130	.3718
#2	.3156	.0903	24.66	.2447	.2316	.1881	.3534
#3	.3129	.0931	24.77	.2470	.2052	.2504	.3351
#4	.3156	.0903	24.65	.2351	.2203	.1881	.2617
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	1.601	.2963	.0891 <i>0</i>	.2309 <i>0</i>			
SDev	.068	.1125	.0013	.0036			
%RSD	4.260	37.97	1.454	1.542			
#1	1.635	.1741	.0895	.2282			
#2	1.613	.3476	.0881	.2288			
#3	1.501	.2372	.0881	.2306			
#4	1.653	.4264	.0908	.2360			

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Method: IECW Sample Name: 27472

Operator: it

Run Time: 11/29/01 14:02:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0200	.0022	.0126	<.0000	5.168
SDev	.0015	.0061	.0258	.0008	.0004	.0000	.016
%RSD	18.94	20.14	128.7	36.06	3.248	.0000	.3125

#1	<.0000	<.0000	.0276	.0029	.0128	<.0000	5.179
#2	<.0000	<.0000	.0397	.0013	.0128	<.0000	5.184
#3	<.0000	<.0000	<.0000	.0018	.0128	<.0000	5.148
#4	<.0000	<.0000	.0306	.0029	.0120	<.0000	5.162

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	1.059
SDev	.0018	.0009	.0013	.0008	.0011	.4332	.008
%RSD	997.2	17.99	62.75	18.59	5.540	18.38	.7406

#1	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	1.061
#2	.0011	<.0000	<.0000	<.0000	.0218	<.0000	1.067
#3	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	1.061
#4	.0016	<.0000	<.0000	<.0000	.0191	<.0000	1.048

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0226	<.0000	3.357	.0012	<.0000	<.0000	.0087
SDev	.0004	.0059	.037	.0035	.0239	.0305	.0367
%RSD	1.732	63.04	1.093	286.4	101.5	139.3	419.8

#1	.0230	<.0000	3.320	<.0000	<.0000	<.0000	.0271
#2	.0223	<.0000	3.406	.0036	<.0000	<.0000	.0271
#3	.0223	<.0000	3.342	<.0000	.0094	.0030	<.0000
#4	.0230	<.0000	3.361	.0048	<.0000	.0030	.0271

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0377	<.0000	.0010
SDev	.0572	.0649	.0010	.0008
%RSD	1864.	172.3	22.35	86.97

#1	.0215	.0574	<.0000	.0010
#2	<.0000	<.0000	<.0000	.0004
#3	.0527	<.0000	<.0000	.0022
#4	<.0000	.1205	<.0000	.0004

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Method: IECW Sample Name: 27473

Operator: it

Run Time: 11/29/01 14:04:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0293	.0095	.0210	<.0000	20.31
SDev	.0012	.0097	.0465	.0010	.0000	.0001	.04
%RSD	11.97	21.90	158.8	10.13	.0198	13.58	.2051

#1	<.0000	<.0000	.0030	.0090	.0210	<.0000	20.32
#2	<.0000	<.0000	.0965	.0085	.0210	<.0000	20.35
#3	<.0000	<.0000	.0240	.0101	.0210	<.0000	20.30
#4	<.0000	<.0000	<.0000	.0106	.0210	<.0000	20.25

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0686	<.0000	6.640
SDev	.0015	.0012	.0019	.0015	.0013	.2636	.028
%RSD	67.15	25.26	360.1	24.74	1.941	13.17	.4224

#1	<.0000	<.0000	<.0000	<.0000	.0689	<.0000	6.673
#2	<.0000	<.0000	.0007	<.0000	.0676	<.0000	6.642
#3	<.0000	<.0000	.0003	<.0000	.0676	<.0000	6.605
#4	<.0000	<.0000	.0003	<.0000	.0704	<.0000	6.639

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0807	<.0000	25.08	.0055	<.0000	<.0000	.0336
SDev	.0008	.0064	.12	.0034	.0099	.0257	.0437
%RSD	1.059	65.41	.4951	62.37	31.90	99.38	129.9

#1	.0795	<.0000	25.25	.0058	<.0000	<.0000	.0612
#2	.0816	<.0000	25.05	.0010	<.0000	.0022	<.0000
#3	.0809	<.0000	25.08	.0094	<.0000	<.0000	.0611
#4	.0809	<.0000	24.95	.0058	<.0000	<.0000	.0428

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.366	.0011	<.0000	.0004
SDev	.030	.0427	.0009	.0008
%RSD	2.172	3905.	17.92	194.4

#1	1.390	<.0000	<.0000	<.0000
#2	1.323	<.0000	<.0000	.0001
#3	1.376	.0642	<.0000	.0007
#4	1.376	<.0000	<.0000	.0013

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Method: IECW Sample Name: 27474

Operator: it

Run Time: 11/29/01 14:07:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0236	.0009	.0112	<.0000	4.933
SDev	.0016	.0048	.0161	.0019	.0007	.0000	.013
%RSD	10.57	7.092	68.26	216.4	5.986	.0000	.2589

#1	<.0000	<.0000	.0130	.0008	.0112	<.0000	4.920
#2	<.0000	<.0000	.0343	.0034	.0104	<.0000	4.943
#3	<.0000	<.0000	.0069	<.0000	.0120	<.0000	4.924
#4	<.0000	<.0000	.0401	.0008	.0112	<.0000	4.944

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	.9805
SDev	.0009	.0012	.0004	.0014	.0018	.3130	.0069
%RSD	31.24	13.71	7.049	18.67	7.960	7.135	.7049

#1	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	.9829
#2	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9735
#3	<.0000	<.0000	<.0000	<.0000	.0233	<.0000	.9766
#4	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	.9891

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0196	<.0000	3.203	.0015	<.0000	<.0000	.0181
SDev	.0006	.0028	.025	.0088	.0112	.0374	.0626
%RSD	2.829	20.14	.7815	568.9	20.96	133.5	346.7

#1	.0189	<.0000	3.223	.0144	<.0000	<.0000	<.0000
#2	.0196	<.0000	3.184	<.0000	<.0000	<.0000	.0273
#3	.0203	<.0000	3.178	.0001	<.0000	<.0000	.1006
#4	.0196	<.0000	3.225	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0211	.0453	.0006	.0006
%RSD	5.154	477.6	6.629	115.8

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0418	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 27475

Operator: it

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Comment: '

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0363	.0024	.0136	<.0000	5.357
SDev	.0015	.0079	.0116	.0013	.0000	.0000	.025
%RSD	40.06	105.6	31.98	53.74	.0221	16.67	.4596

#1	<.0000	.0028	.0271	.0028	.0136	<.0000	5.382
#2	<.0000	<.0000	.0514	.0039	.0136	<.0000	5.372
#3	<.0000	<.0000	.0273	.0023	.0136	<.0000	5.327
#4	<.0000	<.0000	.0395	.0007	.0136	<.0000	5.347

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0002	<.0000	.0211	<.0000	1.128
SDev	.0024	.0018	.0017	.0005	.0018	.4559	.022
%RSD	297.7	102.5	799.3	23.97	8.505	57.09	1.922

#1	<.0000	<.0000	.0019	<.0000	.0204	<.0000	1.148
#2	.0001	<.0000	.0014	<.0000	.0232	<.0000	1.139
#3	<.0000	<.0000	<.0000	<.0000	.0190	<.0000	1.126
#4	.0021	<.0000	<.0000	<.0000	.0218	<.0000	1.098

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0213	<.0000	3.525	.0054	<.0000	<.0000	.0361
SDev	.0007	.0096	.029	.0021	.0341	.0216	.0800
%RSD	3.193	109.6	.8338	38.46	258.7	137.1	221.2

#1	.0216	<.0000	3.531	.0048	.0358	.0029	<.0000
#2	.0202	<.0000	3.557	.0036	<.0000	<.0000	.0636
#3	.0216	<.0000	3.486	.0048	<.0000	<.0000	<.0000
#4	.0216	<.0000	3.527	.0084	<.0000	<.0000	.1371

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0838	<.0000	<.0000	.0019
SDev	.0315	.0537	.0012	.0003
%RSD	37.61	210.1	78.34	18.50

#1	.1239	<.0000	<.0000	.0022
#2	.0927	.0414	<.0000	.0016
#3	.0526	<.0000	<.0000	.0022
#4	.0660	<.0000	<.0000	.0016

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Method: IECW Sample Name: 27476

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0100	.0029	.0134	<.0000	5.297
SDev	.0010	.0060	.0445	.0021	.0004	.0000	.020
%RSD	18.38	33.81	444.3	72.41	3.047	.0000	.3832

#1	<.0000	<.0000	.0638	.0055	.0136	<.0000	5.315
#2	<.0000	<.0000	<.0000	.0034	.0136	<.0000	5.314
#3	<.0000	<.0000	.0122	.0018	.0136	<.0000	5.285
#4	<.0000	<.0000	.0092	.0007	.0128	<.0000	5.274

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0180	<.0000	1.110
SDev	.0022	.0014	.0013	.0000	.0021	.1557	.009
%RSD	1107.	57.56	43410.	.0140	11.59	10.67	.8068

#1	.0031	<.0000	<.0000	<.0000	.0190	<.0000	1.098
#2	.0006	<.0000	<.0000	<.0000	.0190	<.0000	1.120
#3	<.0000	<.0000	.0019	<.0000	.0190	<.0000	1.111
#4	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.111

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0203	<.0000	3.466	.0072	<.0000	<.0000	<.0000
SDev	.0006	.0028	.034	.0028	.0099	.0343	.0260
%RSD	2.735	22.42	.9682	38.36	55.37	136.9	268.7

#1	.0196	<.0000	3.445	.0048	<.0000	<.0000	.0271
#2	.0203	<.0000	3.466	.0096	<.0000	<.0000	<.0000
#3	.0203	<.0000	3.514	.0048	<.0000	<.0000	<.0000
#4	.0209	<.0000	3.441	.0096	<.0000	.0154	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0704	<.0000	<.0000	.0002
SDev	.0222	.0766	.0012	.0009
%RSD	31.45	185.5	47.72	404.8

#1	.0839	<.0000	<.0000	.0016
#2	.0927	<.0000	<.0000	<.0000
#3	.0615	.0573	<.0000	<.0000
#4	.0437	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 27477

Operator: it

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Comment:

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0380	.0091	.0222	<.0000	20.62
SDev	.0005	.0078	.0302	.0021	.0005	.0000	.05
%RSD	9.449	29.90	79.27	22.92	2.135	16.67	.2630

#1	<.0000	<.0000	.0266	.0084	.0226	<.0000	20.64
#2	<.0000	<.0000	.0025	.0121	.0226	<.0000	20.57
#3	<.0000	<.0000	.0722	.0074	.0218	<.0000	20.58
#4	<.0000	<.0000	.0509	.0084	.0218	<.0000	20.69

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0002	<.0000	.0762	<.0000	6.769
SDev	.0016	.0022	.0013	.0014	.0013	.2905	.042
%RSD	107.1	68.42	695.7	30.32	1.757	56.66	.6262

#1	.0008	<.0000	.0015	<.0000	.0772	<.0000	6.807
#2	<.0000	<.0000	.0007	<.0000	.0773	<.0000	6.729
#3	<.0000	<.0000	.0002	<.0000	.0759	<.0000	6.736
#4	<.0000	<.0000	<.0000	<.0000	.0744	<.0000	6.804

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0841	<.0000	25.21	.0052	<.0000	<.0000	.0747
SDev	.0012	.0028	.12	.0071	.0241	.0187	.0482
%RSD	1.376	28.21	.4589	136.7	150.5	72.02	64.49

#1	.0836	<.0000	25.21	<.0000	<.0000	<.0000	.1160
#2	.0843	<.0000	25.10	.0094	<.0000	<.0000	.0426
#3	.0829	<.0000	25.15	.0129	.0132	<.0000	.0244
#4	.0856	<.0000	25.37	<.0000	<.0000	<.0000	.1160

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.521	.0679	<.0000	<.0000
SDev	.045	.0635	.0008	.0010
%RSD	2.932	93.58	31.70	128.5

#1	1.528	.0639	<.0000	<.0000
#2	1.555	.0167	<.0000	<.0000
#3	1.546	.0325	<.0000	<.0000
#4	1.456	.1585	<.0000	.0001

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Method: IECW Sample Name: 27478

Operator: it

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0010	.0018	.0138	<.0000	5.356
SDev	.0011	.0052	.0429	.0006	.0004	.0000	.011
%RSD	24.22	23.36	4382.	34.04	2.964	.0000	.2017

#1	<.0000	<.0000	<.0000	.0023	.0144	<.0000	5.366
#2	<.0000	<.0000	.0365	.0013	.0136	<.0000	5.364
#3	<.0000	<.0000	<.0000	.0023	.0136	<.0000	5.347
#4	<.0000	<.0000	.0396	.0013	.0136	<.0000	5.346

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0208	<.0000	1.137
SDev	.0016	.0008	.0010	.0005	.0018	.4039	.004
%RSD	110.6	44.26	108.8	13.09	8.433	28.06	.3540

#1	<.0000	<.0000	.0005	<.0000	.0232	<.0000	1.132
#2	.0006	<.0000	<.0000	<.0000	.0204	<.0000	1.142
#3	<.0000	<.0000	<.0000	<.0000	.0190	<.0000	1.139
#4	<.0000	<.0000	<.0000	<.0000	.0204	<.0000	1.136

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	<.0000	3.547	.0033	<.0000	<.0000	.0499
SDev	.0003	.0043	.013	.0030	.0083	.0513	.0568
%RSD	1.533	54.11	.3627.	90.53	59.14	182.4	113.7

#1	.0223	<.0000	3.542	.0048	<.0000	<.0000	.1004
#2	.0223	<.0000	3.550	.0048	<.0000	.0154	<.0000
#3	.0216	<.0000	3.563	<.0000	<.0000	.0154	.0820
#4	.0223	<.0000	3.533	.0048	<.0000	<.0000	.0454

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0113	.0257	<.0000	.0020
SDev	.0356	.0561	.0006	.0006
%RSD	315.2	218.4	18.85	28.42

#1	<.0000	.1046	<.0000	.0028
#2	.0570	<.0000	<.0000	.0016
#3	<.0000	.0257	<.0000	.0016
#4	.0169	<.0000	<.0000	.0022

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Method: IECW Sample Name: 27479

Operator: it

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0054	.0025	.0136	<.0000	5.303
SDev	.0006	.0053	.0504	.0027	.0000	.0000	.016
%RSD	16.41	52.02	937.2	108.7	.0112	.0000	.2999

#1	<.0000	<.0000	.0212	.0002	.0136	<.0000	5.299
#2	<.0000	<.0000	.0395	.0002	.0136	<.0000	5.296
#3	<.0000	<.0000	<.0000	.0039	.0136	<.0000	5.291
#4	<.0000	<.0000	.0303	.0055	.0136	<.0000	5.326

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0002	<.0000	.0211	<.0000	1.108
SDev	.0015	.0017	.0019	.0000	.0018	.1658	.017
%RSD	212.8	81.59	865.4	.0130	8.507	13.45	1.507

#1	.0006	<.0000	.0010	<.0000	.0218	<.0000	1.086
#2	.0006	<.0000	<.0000	<.0000	.0190	<.0000	1.111
#3	<.0000	.0001	<.0000	<.0000	.0204	<.0000	1.126
#4	<.0000	<.0000	.0023	<.0000	.0232	<.0000	1.108

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	<.0000	3.495	.0069	<.0000	<.0000	<.0000
SDev	.0006	.0064	.031	.0066	.0139	.0257	.0739
%RSD	2.650	79.93	.8980	96.43	369.7	82.08	517.9

#1	.0236	.0014	3.466	.0096	.0094	<.0000	<.0000
#2	.0250	<.0000	3.538	.0144	<.0000	<.0000	<.0000
#3	.0243	<.0000	3.477	<.0000	<.0000	<.0000	.0453
#4	.0250	<.0000	3.499	.0048	.0057	<.0000	.0270

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0281	.0376	<.0000	<.0000
SDev	.0181	.0453	.0004	.0008
%RSD	64.32	120.5	15.10	199.5

#1	.0437	.0258	<.0000	<.0000
#2	.0392	<.0000	<.0000	<.0000
#3	.0035	.0730	<.0000	.0004
#4	.0258	.0730	<.0000	<.0000

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Method: IECW Sample Name: 27480

Operator: it

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Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0916	.0086	.0228	<.0000	20.81
SDev	.0018	.0051	.0432	.0017	.0004	.0001	.07
%RSD	31.36	19.73	47.10	19.68	1.801	17.76	.3338

#1	<.0000	<.0000	.0961	.0100	.0226	<.0000	20.77
#2	<.0000	<.0000	.0539	.0074	.0226	<.0000	20.76
#3	<.0000	<.0000	.0659	.0100	.0226	<.0000	20.91
#4	<.0000	<.0000	.1506	.0068	.0234	<.0000	20.81

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0011	<.0000	.0786	<.0000	6.851
SDev	.0007	.0010	.0014	.0004	.0044	.1804	.031
%RSD	58.80	20.50	120.7	8.141	5.594	36.59	.4535

#1	<.0000	<.0000	.0010	<.0000	.0828	<.0000	6.829
#2	<.0000	<.0000	<.0000	<.0000	.0772	<.0000	6.882
#3	<.0000	<.0000	.0019	<.0000	.0814	<.0000	6.873
#4	<.0000	<.0000	.0024	<.0000	.0730	<.0000	6.820

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0890	<.0000	25.41	.0049	<.0000	<.0000	.0059
SDev	.0010	.0060	.11	.0039	.0111	.0072	.0733
%RSD	1.077	66.04	.4453	81.16	84.09	173.8	1237.

#1	.0883	<.0000	25.35	<.0000	<.0000	<.0000	<.0000
#2	.0883	<.0000	25.36	.0057	<.0000	<.0000	<.0000
#3	.0904	<.0000	25.58	.0093	<.0000	.0021	.1159
#4	.0890	<.0000	25.35	.0046	<.0000	.0021	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.465	.0717	<.0000	<.0000
SDev	.054	.0397	.0006	.0012
%RSD	3.714	55.32	19.22	97.90

#1	1.546	.0323	<.0000	<.0000
#2	1.452	.0638	<.0000	<.0000
#3	1.429	.1268	<.0000	<.0000
#4	1.434	.0639	<.0000	.0001

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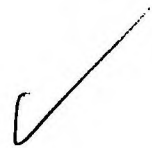
Method: IECW Sample Name: ipc

Operator: it

Run Time: 11/29/01 14:43:34

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4708	.9193	.0335	.9688	.9592	.9516	1.001
SDev	.0013	.0116	.0513	.0033	.0025	.0008	.003
%RSD	.2831	1.259	153.2	.3416	.2564	.0851	.3218

#1	.4714	.9336	<.0000	.9725	.9564	.9517	1.003
#2	.4689	.9054	.0450	.9646	.9613	.9506	.9968
#3	.4709	.9205	.0327	.9683	.9613	.9517	.9998
#4	.4720	.9175	.0902	.9699	.9580	.9525	1.004

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9715	.9652	.9677	.9367	.9510	.3992	.9708
SDev	.0075	.0035	.0033	.0022	.0040	.3842	.0169
%RSD	.7677	.3634	.3396	.2333	.4225	96.25	1.743

#1	.9606	.9701	.9662	.9363	.9517	.9055	.9949
#2	.9734	.9649	.9689	.9338	.9558	.3602	.9606
#3	.9775	.9643	.9640	.9388	.9461	<.0000	.9700
#4	.9744	.9617	.9716	.9379	.9503	.3602	.9575

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9696	.9415	1.045	.9765	.9713	.9547	.0044
SDev	.0007	.0058	.019	.0056	.0209	.0508	.0000
%RSD	.0699	.6120	1.783	.5739	2.156	5.321	.9664

#1	.9700	.9444	1.043	.9741	.9911	.9173	.0043
#2	.9686	.9329	1.066	.9777	.9421	.9921	.0044
#3	.9700	.9444	1.021	.9837	.9798	1.004	.0044
#4	.9700	.9444	1.049	.9705	.9723	.9049	.0044

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7917	1.034	.9701	.9597
SDev	.0489	.092	.0006	.0047
%RSD	6.181	8.901	.0668	.4926

#1	.8536	1.007	.9696	.9569
#2	.7780	1.054	.9703	.9648
#3	.7360	1.149	.9696	.9545
#4	.7991	.9283	.9710	.9624

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Method: IECW Sample Name: cb
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 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0016	.0116	<.0000	.0013	.0008	.0004	.0064
SDev	.0018	.0056	.0211	.0009	.0004	.0001	.0013
%RSD	106.6	48.44	120.2	68.07	50.12	23.94	20.96

#1	.0011	.0091	<.0000	.0012	.0010	.0004	.0057
#2	.0011	.0060	<.0000	.0017	.0010	.0004	.0062
#3	.0042	.0121	.0066	.0022	.0002	.0003	.0083
#4	.0001	.0191	<.0000	.0001	.0010	.0002	.0053

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	.0017	.0021	.0045	<.0000	.5647	.0086
SDev	.0011	.0009	.0016	.0004	.0030	.2797	.0217
%RSD	82.57	50.47	75.48	9.088	286.5	49.53	254.4

#1	.0014	.0020	.0011	.0047	<.0000	.4381	<.0000
#2	<.0000	.0024	.0024	.0047	.0031	.4381	.0342
#3	.0014	.0020	.0042	.0047	<.0000	.9833	.0187
#4	.0024	.0005	.0007	.0039	<.0000	.3992	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0079	.0365	.0072	<.0000	<.0000	.0137
SDev	.0003	.0041	.0177	.0062	.0081	.0276	.0459
%RSD	200.0	51.49	48.60	86.64	123.4	294.5	334.4

#1	.0000	.0108	.0477	.0090	<.0000	<.0000	.0643
#2	<.0000	.0079	.0499	.0006	<.0000	<.0000	.0091
#3	<.0000	.0108	.0113	.0149	<.0000	<.0000	.0275
#4	.0000	.0022	.0370	.0042	.0009	.0124	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0063	.0078	.0015	<.0000
SDev	.0404	.0520	.0016	.0009
%RSD	642.9	662.6	105.8	92680.

#1	<.0000	<.0000	.0005	<.0000
#2	.0273	.0039	.0012	.0008
#3	.0483	.0826	.0039	.0008
#4	<.0000	<.0000	.0005	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 27481

Run Time: 11/29/01 14:51:28

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0019	.0018	.0112	<.0000	4.865
SDev	.0010	.0039	.0115	.0020	.0000	.0000	.026
%RSD	6.617	4.660	610.8	109.0	.0216	.0000	.5266
#1	<.0000	<.0000	<.0000	<.0000	.0112	<.0000	4.873
#2	<.0000	<.0000	<.0000	.0046	.0112	<.0000	4.829
#3	<.0000	<.0000	.0133	.0014	.0112	<.0000	4.870
#4	<.0000	<.0000	.0102	.0014	.0112	<.0000	4.889
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9713
SDev	.0010	.0010	.0013	.0007	.0011	.1868	.0031
%RSD	31.07	11.83	15.04	34.14	5.186	3.860	.3200
#1	<.0000	<.0000	<.0000	<.0000	.0233	<.0000	.9697
#2	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9697
#3	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	.9697
#4	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9759
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0179	<.0000	3.215	<.0000	<.0000	<.0000	.0365
SDev	.0004	.0050	.033	.0070	.0227	.0102	.0352
%RSD	2.188	229.2	1.023	125.2	36.50	27.29	96.32
#1	.0182	<.0000	3.215	<.0000	<.0000	<.0000	.0090
#2	.0176	<.0000	3.168	<.0000	<.0000	<.0000	.0090
#3	.0176	.0021	3.237	<.0000	<.0000	<.0000	.0457
#4	.0182	<.0000	3.239	.0015	<.0000	<.0000	.0825
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	<.0000	<.0000	.0007			
SDev	.0264	.0498	.0012	.0000			
%RSD	14.61	54.06	11.72	.0691			
#1	<.0000	<.0000	<.0000	.0007			
#2	<.0000	<.0000	<.0000	.0007			
#3	<.0000	<.0000	<.0000	.0007			
#4	<.0000	<.0000	<.0000	.0007			

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Method: IECW Sample Name: 27481lab dup

Operator: it

Run Time: 11/29/01 14:54:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0348	.0024	.0118	<.0000	4.936
SDev	.0008	.0048	.0189	.0013	.0004	.0000	.013
%RSD	6.303	7.610	54.18	56.02	3.467	16.67	.2555

#1	<.0000	<.0000	.0341	.0009	.0120	<.0000	4.920
#2	<.0000	<.0000	.0400	.0041	.0120	<.0000	4.941
#3	<.0000	<.0000	.0099	.0019	.0120	<.0000	4.950
#4	<.0000	<.0000	.0553	.0025	.0112	<.0000	4.932

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0184	<.0000	1.005
SDev	.0006	.0006	.0022	.0014	.0037	.3491	.009
%RSD	60.04	11.17	30.90	59.83	19.99	9.122	.9242

#1	<.0000	<.0000	<.0000	<.0000	.0163	<.0000	1.001
#2	<.0000	<.0000	<.0000	<.0000	.0191	<.0000	1.016
#3	<.0000	<.0000	<.0000	<.0000	.0233	<.0000	1.007
#4	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	.9946

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0184	<.0000	3.277	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0053	.016	.0037	.0072	.0062	.0853
%RSD	3.526	55.97	.4764	96.85	11.79	15.37	80.56

#1	.0182	<.0000	3.282	.0015	<.0000	<.0000	<.0000
#2	.0189	<.0000	3.267	<.0000	<.0000	<.0000	.0089
#3	.0189	<.0000	3.297	<.0000	<.0000	<.0000	<.0000
#4	.0175	<.0000	3.262	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0456	<.0000	.0011
SDev	.0534	.0504	.0012	.0006
%RSD	31.43	110.5	14.76	50.75

#1	<.0000	.0967	<.0000	.0007
#2	<.0000	.0809	<.0000	.0019
#3	<.0000	.0023	<.0000	.0007
#4	<.0000	.0023	<.0000	.0013

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Method: IECW Sample Name: 27481spk

Operator: it

Run Time: 11/29/01 15:04:47

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0099 ⁰	.1591	.2358	.2386	.2451	.0442	4.876
SDev	.0013	.0116	.0570	.0011	.0005	.0001	.007
%RSD	12.84	7.296	24.18	.4772	.1932	.1936	.1353

#1	.0082	.1422	.1975	.2376	.2456	.0443	4.876
#2	.0112	.1644	.3060	.2386	.2447	.0443	4.885
#3	.0102	.1684	.2576	.2402	.2456	.0442	4.871
#4	.0102	.1614	.1821	.2381	.2447	.0442	4.871

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1003	.0871	.2196	.2208	.2435	<.0000	.9836
SDev	.0016	.0018	.0007	.0012	.0033	.3782	.0093
%RSD	1.635	2.050	.3042	.5609	1.350	9.786	.9484

#1	.1027	.0855	.2202	.2194	.2459	<.0000	.9758
#2	.0996	.0878	.2202	.2218	.2459	<.0000	.9945
#3	.0991	.0893	.2188	.2218	.2431	<.0000	.9883
#4	.0996	.0858	.2193	.2202	.2389	<.0000	.9758

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2495	.0842	3.246 ^{NA}	.2211	.1675	.1641	.2375
SDev	.0006	.0060	.034	.0025	.0117	.0311	.0571
%RSD	.2221	7.131	1.059	1.114	6.961	18.94	24.05

#1	.2495	.0827	3.286	.2190	.1741	.1486	.2652
#2	.2489	.0769	3.206	.2226	.1515	.1485	.2100
#3	.2502	.0914	3.260	.2190	.1666	.2107	.3018
#4	.2495	.0856	3.232	.2238	.1779	.1486	.1732

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.2102	.0836	.2248
SDev	.0217	.0504	.0015 ⁰⁴²	.0025
%RSD	47.21	23.95	1.747	1.104

#1	<.0000	.1748	.0816	.2270
#2	<.0000	.1905	.0850	.2221
#3	<.0000	.2849	.0843	.2270
#4	<.0000	.1906	.0836	.2233

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Method: IECW Sample Name: 27482

Run Time: 11/29/01 15:07:09

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0014	.0120	<.0000	4.976
SDev	.0004	.0112	.0289	.0004	.0000	.0000	.012
%RSD	3.034	17.27	137.3	30.34	.0111	20.00	.2338
#1	<.0000	<.0000	<.0000	.0014	.0120	<.0000	4.989
#2	<.0000	<.0000	.0038	.0014	.0120	<.0000	4.975
#3	<.0000	<.0000	<.0000	.0009	.0120	<.0000	4.980
#4	<.0000	<.0000	<.0000	.0020	.0120	<.0000	4.961
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0208	<.0000	1.000
SDev	.0009	.0017	.0010	.0005	.0007	.1752	.005
%RSD	29.62	30.25	17.98	11.79	3.343	4.813	.5311
#1	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	1.001
#2	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	.9946
#3	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	1.007
#4	<.0000	<.0000	<.0000	<.0000	.0205	<.0000	.9977
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0198	<.0000	3.309	.0000	<.0000	<.0000	<.0000
SDev	.0006	.0033	.030	.0079	.0083	.0215	.0530
%RSD	3.289	27.09	.9024	16200.	21.13	115.5	18350.
#1	.0203	<.0000	3.335	<.0000	<.0000	.0000	.0089
#2	.0189	<.0000	3.312	<.0000	<.0000	<.0000	<.0000
#3	.0196	<.0000	3.267	.0039	<.0000	<.0000	.0640
#4	.0203	<.0000	3.322	.0087	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	<.0000	<.0000	<.0000			
SDev	.0345	.0731	.0012	.0009			
%RSD	15.90	4482.	13.58	134.7			
#1	<.0000	<.0000	<.0000	<.0000			
#2	<.0000	<.0000	<.0000	<.0000			
#3	<.0000	.0495	<.0000	<.0000			
#4	<.0000	.0653	<.0000	.0007			

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Method: IECW Sample Name: 27483

Operator: it

Run Time: 11/29/01 15:09:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0530	.0100	.0217	<.0000	19.77
SDev	.0010	.0066	.0253	.0010	.0004	.0000	.04
%RSD	9.109	12.09	47.70	10.13	1.889	.0000	.1897

#1	<.0000	<.0000	.0758	.0092	.0219	<.0000	19.74
#2	<.0000	<.0000	.0182	.0092	.0219	<.0000	19.74
#3	<.0000	<.0000	.0665	.0102	.0211	<.0000	19.77
#4	<.0000	<.0000	.0514	.0113	.0219	<.0000	19.82

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0809	<.0000	6.460
SDev	.0019	.0007	.0009	.0004	.0018	.2868	.005
%RSD	84.56	11.91	23.27	9.777	2.218	13.04	.0787

#1	.0001	<.0000	<.0000	<.0000	.0802	<.0000	6.467
#2	<.0000	<.0000	<.0000	<.0000	.0788	<.0000	6.460
#3	<.0000	<.0000	<.0000	<.0000	.0816	<.0000	6.460
#4	<.0000	<.0000	<.0000	<.0000	.0830	<.0000	6.454

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0851	<.0000	24.33	<.0000	<.0000	<.0000	.0108
SDev	.0008	.0072	.02	.0035	.0212	.0161	.0407
%RSD	1.002	60.46	.0693	159.0	56.22	28.26	376.6

#1	.0843	<.0000	24.32	<.0000	<.0000	<.0000	<.0000
#2	.0850	<.0000	24.34	<.0000	<.0000	<.0000	.0246
#3	.0850	<.0000	24.35	<.0000	<.0000	<.0000	.0429
#4	.0863	<.0000	24.32	.0026	<.0000	<.0000	.0246

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.173	.0564	<.0000	<.0000
SDev	.026	.1149	.0006	.0010
%RSD	2.218	203.7	10.13	108.7

#1	1.142	<.0000	<.0000	<.0000
#2	1.205	.1823	<.0000	<.0000
#3	1.167	<.0000	<.0000	<.0000
#4	1.176	.1193	<.0000	.0004

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Method: IECW Sample Name: 27484

Operator: it

Run Time: 11/29/01 15:11:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0302	.0030	.0144	<.0000	5.416
SDev	.0015	.0063	.0223	.0026	.0000	.0000	.005
%RSD	44.76	106.0	73.72	88.21	.0085	.0000	.0936

#1	<.0000	<.0000	.0333	.0040	.0144	<.0000	5.415
#2	<.0000	<.0000	.0574	.0014	.0144	<.0000	5.421
#3	<.0000	<.0000	.0032	.0061	.0144	<.0000	5.409
#4	<.0000	.0003	.0271	.0003	.0144	<.0000	5.418

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	<.0000	.0194	<.0000	1.145
SDev	.0020	.0016	.0011	.0008	.0021	.2189	.019
%RSD	204.5	112.8	245.2	597.9	10.80	37.47	1.695

#1	.0029	<.0000	<.0000	.0005	.0204	<.0000	1.125
#2	.0008	<.0000	.0009	.0005	.0162	<.0000	1.166
#3	.0019	.0004	<.0000	<.0000	.0204	<.0000	1.131
#4	<.0000	<.0000	<.0000	<.0000	.0204	<.0000	1.156

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0196	<.0000	3.630	.0030	.0066	<.0000	.0178
SDev	.0000	.0060	.021	.0027	.0170	.0187	.0462
%RSD	.0052	68.18	.5842	88.23	257.7	118.7	259.3

#1	.0196	<.0000	3.640	.0039	.0160	<.0000	.0086
#2	.0196	<.0000	3.650	.0051	.0198	<.0000	<.0000
#3	.0196	<.0000	3.601	<.0000	.0085	<.0000	.0087
#4	.0196	<.0000	3.629	.0039	<.0000	<.0000	.0821

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2838	.0059	<.0000	.0028
SDev	.0258	.0764	.0010	.0010
%RSD	9.091	1285.	106.2	37.50

#1	.2523	<.0000	<.0000	.0031
#2	.2858	.0334	.0005	.0037
#3	.3153	.0492	<.0000	.0013
#4	.2816	.0492	<.0000	.0031

Analysis Report

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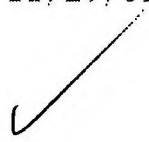
Method: IECW Sample Name: 27485

Operator: it

Run Time: 11/29/01 15:14:08

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0198	.0039	.0138	<.0000	5.389
SDev	.0017	.0050	.0281	.0011	.0004	.0001	.017
%RSD	41.23	30.38	142.1	27.96	2.966	76.98	.3232

#1	<.0000	<.0000	.0304	.0024	.0136	<.0000	5.411
#2	<.0000	<.0000	<.0000	.0040	.0136	<.0000	5.382
#3	<.0000	<.0000	.0123	.0040	.0136	<.0000	5.370
#4	<.0000	<.0000	.0515	.0051	.0144	<.0000	5.394

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0201	<.0000	1.145
SDev	.0014	.0008	.0004	.0014	.0029	.2358	.005
%RSD	76.26	68.84	28.13	47.89	14.31	20.35	.4641

#1	<.0000	<.0000	<.0000	<.0000	.0204	<.0000	1.144
#2	<.0000	<.0000	<.0000	<.0000	.0204	<.0000	1.150
#3	<.0000	<.0000	<.0000	<.0000	.0232	<.0000	1.138
#4	<.0000	<.0000	<.0000	<.0000	.0162	<.0000	1.147

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0213	<.0000	3.589	.0054	<.0000	<.0000	<.0000
SDev	.0007	.0050	.019	.0089	.0167	.0387	.1246
%RSD	3.191	62.43	.5224	164.3	442.9	608.0	1285.

#1	.0216	<.0000	3.608	.0003	<.0000	.0123	.0270
#2	.0202	<.0000	3.575	.0123	.0085	<.0000	<.0000
#3	.0216	<.0000	3.603	.0135	<.0000	<.0000	.0454
#4	.0216	<.0000	3.571	<.0000	.0122	.0372	.0822

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1597	.0925	<.0000	.0008
SDev	.0124	.0608	.0012	.0017
%RSD	7.752	65.70	45.21	210.0

#1	.1471	.1279	<.0000	.0031
#2	.1555	.0335	<.0000	<.0000
#3	.1766	.0492	<.0000	.0007
#4	.1597	.1593	<.0000	.0007

Analysis Report

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Method: IECW Sample Name: 27486

Run Time: 11/29/01 15:16:29

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0521	.0122	.0246	<.0000	21.05
SDev	.0009	.0041	.0439	.0013	.0005	.0000	.13
%RSD	41.33	34.42	84.32	10.64	1.912	.0000	.6057

#1	<.0000	<.0000	.0143	.0138	.0242	<.0000	20.93
#2	<.0000	<.0000	.0839	.0112	.0250	<.0000	21.19
#3	<.0000	<.0000	.0960	.0111	.0242	<.0000	21.13
#4	<.0000	<.0000	.0143	.0127	.0251	<.0000	20.96

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0019	<.0000	.0959	.4965	6.910
SDev	.0008	.0022	.0019	.0004	.0029	.3548	.041
%RSD	47.28	597.0	100.5	75.90	3.026	71.45	.5871

#1	<.0000	.0016	.0005	<.0000	.0953	<.0000	6.868
#2	<.0000	.0011	.0004	<.0000	.0925	.5939	6.914
#3	<.0000	<.0000	.0022	.0001	.0966	.7107	6.964
#4	<.0000	<.0000	.0045	<.0000	.0994	.7107	6.896

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0934	<.0000	25.46	.0063	<.0000	.0083	.0564
SDev	.0012	.0050	.12	.0038	.0231	.0187	.0660
%RSD	1.255	90.91	.4836	60.47	111.4	226.2	117.1

#1	.0917	<.0000	25.38	.0120	<.0000	<.0000	<.0000
#2	.0938	<.0000	25.63	.0036	<.0000	.0363	.0977
#3	.0944	<.0000	25.47	.0048	<.0000	<.0000	.0426
#4	.0938	<.0000	25.36	.0048	.0085	<.0000	.1161

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.670	.1461	<.0000	.0007
SDev	.029	.0806	.0007	.0003
%RSD	1.720	55.14	80.59	51.02

#1	1.637	.1186	<.0000	.0010
#2	1.658	.1343	<.0000	.0010
#3	1.704	.2601	.0002	.0004
#4	1.679	.0714	<.0000	.0004

Analysis Report

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Method: IECW Sample Name: 27487

Operator: it

Run Time: 11/29/01 15:18:48

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0090	.0039	.0144	<.0000	5.474
SDev	.0009	.0078	.0168	.0021	.0000	.0000	.024
%RSD	46.52	459.1	187.0	54.65	.0132	.0000	.4350

#1	<.0000	.0084	.0240	.0030	.0144	<.0000	5.461
#2	<.0000	<.0000	.0030	.0051	.0144	<.0000	5.465
#3	<.0000	<.0000	.0211	.0061	.0144	<.0000	5.461
#4	<.0000	<.0000	<.0000	.0014	.0144	<.0000	5.510

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0003	.0235	<.0000	1.175
SDev	.0017	.0010	.0011	.0004	.0024	.3964	.009
%RSD	106.1	107.2	150.3	148.2	10.10	63.61	.7795

#1	<.0000	<.0000	.0004	.0005	.0232	<.0000	1.166
#2	<.0000	<.0000	<.0000	.0005	.0246	<.0000	1.184
#3	.0003	<.0000	<.0000	.0005	.0260	<.0000	1.181
#4	<.0000	.0004	<.0000	<.0000	.0204	<.0000	1.169

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0223	<.0000	3.730	.0015	<.0000	.0029	.0637
SDev	.0000	.0028	.019	.0035	.0233	.0062	.0862
%RSD	.0026	23.76	.5024	234.8	247.3	212.2	135.2

#1	.0223	<.0000	3.708	.0051	.0085	.0122	.0086
#2	.0223	<.0000	3.745	.0015	.0085	<.0000	.0270
#3	.0223	<.0000	3.747	<.0000	<.0000	<.0000	.1923
#4	.0223	<.0000	3.721	.0027	<.0000	<.0000	.0270

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2953	.0374	<.0000	.0019
SDev	.0421	.1047	.0010	.0013
%RSD	14.25	280.2	105.9	69.40

#1	.2900	.1436	<.0000	.0037
#2	.3530	.0019	<.0000	.0007
#3	.2522	.0963	.0004	.0013
#4	.2858	<.0000	<.0000	.0019

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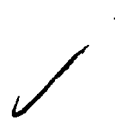
Method: IECW Sample Name: 27488

Run Time: 11/29/01 15:20:44

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0477	.0024	.0146	<.0000	5.435
SDev	.0012	.0115	.0303	.0018	.0004	.0000	.017
%RSD	49.77	98.00	63.60	74.83	2.791	100.0	.3036

#1	<.0000	<.0000	.0031	.0009	.0144	<.0000	5.411
#2	<.0000	<.0000	.0697	.0040	.0144	<.0000	5.440
#3	<.0000	<.0000	.0546	.0009	.0144	<.0000	5.441
#4	<.0000	.0053	.0633	.0040	.0152	<.0000	5.449

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0218	<.0000	1.166
SDev	.0015	.0011	.0013	.0007	.0011	.1386	.022
%RSD	72.56	93.59	3937.	57.87	5.187	17.15	1.890

#1	<.0000	<.0000	<.0000	<.0000	.0204	<.0000	1.162
#2	<.0000	.0001	.0013	<.0000	.0218	<.0000	1.144
#3	<.0000	<.0000	<.0000	<.0000	.0218	<.0000	1.162
#4	<.0000	<.0000	.0008	<.0000	.0232	<.0000	1.197

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0228	<.0000	3.692	.0078	<.0000	<.0000	.0362
SDev	.0003	.0014	.021	.0011	.0152	.0235	.0319
%RSD	1.494	19.77	.5663	14.70	95.10	720.2	87.96

#1	.0230	<.0000	3.681	.0063	<.0000	.0123	.0822
#2	.0230	<.0000	3.693	.0087	<.0000	<.0000	.0270
#3	.0230	<.0000	3.674	.0075	<.0000	<.0000	.0270
#4	.0223	<.0000	3.721	.0087	<.0000	.0122	.0086

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2511	.0374	<.0000	.0005
SDev	.0300	.0452	.0006	.0014
%RSD	11.94	121.0	37.01	273.3

#1	.2438	.0492	<.0000	<.0000
#2	.2606	.0964	<.0000	.0007
#3	.2144	.0020	<.0000	.0025
#4	.2858	.0019	<.0000	<.0000

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0178	.0114	.0249	<.0000	22.02
SDev	.0013	.0084	.0459	.0011	.0000	.0000	.10
%RSD	78.21	221.0	258.5	9.640	.0430	.0000	.4631

#1	<.0000	.0080	<.0000	.0111	.0250	<.0000	21.91
#2	<.0000	<.0000	.0262	.0116	.0249	<.0000	21.96
#3	<.0000	<.0000	.0291	.0127	.0249	<.0000	22.13
#4	<.0000	<.0000	.0623	.0100	.0249	<.0000	22.08

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0000	<.0000	.0009	<.0000	.0700	.6426	7.295
SDev	.0007	.0022	.0014	.0000	.0030	.3249	.037
%RSD	2889.	195.6	154.1	.3466	4.267	50.56	.5097

#1	.0000	.0016	.0016	<.0000	.0659	.9444	7.250
#2	<.0000	<.0000	.0025	<.0000	.0700	.2434	7.281
#3	<.0000	<.0000	<.0000	<.0000	.0728	.5160	7.334
#4	.0010	<.0000	.0002	<.0000	.0714	.8665	7.315

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0831	<.0000	25.33	.0056	<.0000	.0051	.0470
SDev	.0010	.0050	.11	.0043	.0146	.0329	.0917
%RSD	1.222	59.42	.4160	76.23	257.2	648.9	195.1

#1	.0822	<.0000	25.22	.0083	<.0000	.0361	<.0000
#2	.0822	<.0000	25.27	.0095	.0085	<.0000	.0425
#3	.0842	<.0000	25.45	<.0000	<.0000	.0237	.0240
#4	.0836	<.0000	25.39	.0047	.0009	<.0000	.1710

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.359	.0590	<.0000	.0005
SDev	.019	.0452	.0004	.0003
%RSD	1.408	76.60	225.9	58.55

#1	1.384	.0866	.0002	.0004
#2	1.342	<.0000	<.0000	.0010
#3	1.363	.0707	.0002	.0004
#4	1.346	.0865	<.0000	.0004

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Method: IECW Sample Name: 27493

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Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0159	.0022	.0150	<.0000	5.458
SDev	.0003	.0010	.0224	.0010	.0004	.0000	.009
%RSD	13.06	8.198	140.6	46.34	2.722	.0000	.1653

#1	<.0000	<.0000	.0273	.0030	.0152	<.0000	5.463
#2	<.0000	<.0000	.0152	.0030	.0144	<.0000	5.444
#3	<.0000	<.0000	.0364	.0009	.0152	<.0000	5.464
#4	<.0000	<.0000	<.0000	.0019	.0152	<.0000	5.460

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0190	<.0000	1.169
SDev	.0010	.0015	.0011	.0004	.0000	.1770	.011
%RSD	488.4	602.2	239.3	75.56	.0174	21.91	.9472

#1	.0008	.0012	.0009	<.0000	.0190	<.0000	1.178
#2	.0003	<.0000	<.0000	<.0000	.0190	<.0000	1.169
#3	<.0000	<.0000	<.0000	<.0000	.0190	<.0000	1.153
#4	.0008	.0007	<.0000	<.0000	.0190	<.0000	1.175

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0199	<.0000	3.694	.0006	<.0000	.0092	.0316
SDev	.0004	.0060	.024	.0018	.0124	.0187	.0276
%RSD	1.969	75.03	.6596	296.8	60.08	203.4	87.15

#1	.0196	<.0000	3.687	.0015	<.0000	<.0000	.0454
#2	.0196	<.0000	3.670	<.0000	<.0000	.0372	.0087
#3	.0202	<.0000	3.728	.0015	<.0000	<.0000	.0087
#4	.0202	<.0000	3.691	.0015	<.0000	<.0000	.0638

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2417	.0256	<.0000	.0013
SDev	.0121	.0913	.0012	.0008
%RSD	5.020	356.9	107.9	66.85

#1	.2564	<.0000	<.0000	.0007
#2	.2270	.0492	<.0000	.0013
#3	.2438	.0177	<.0000	.0007
#4	.2396	.1278	.0005	.0025

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Method: IECW Sample Name: ipc

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4692 ✓	.9071 ✓	.0344	.9735	.9601 ✓	.9526 ✓	.9877 ✓
SDev	.0016	.0039	.0235	.0100	.0036	.0042	.0024
%RSD	.3359	.4346	68.39	1.025	.3712	.4398	.2385
#1	.4679	.9051	.0155	.9704	.9570	.9489	.9881
#2	.4684	.9031	.0186	.9619	.9570	.9490	.9843
#3	.4689	.9121	.0668	.9857	.9636	.9556	.9888
#4	.4714	.9081	.0366	.9762	.9627	.9568	.9897
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9700 ✓	.9642 ✓	.9627 ✓	.9322 ✓	.9476 ✓	.0000	.9586 ✓
SDev	.0029	.0062	.0043	.0060	.0083	.2313	.0051
%RSD	.3028	.6386	.4447	.6409	.8728	43.77	.5308
#1	.9699	.9630	.9616	.9252	.9462	<.0000	.9524
#2	.9704	.9563	.9571	.9301	.9365	<.0000	.9586
#3	.9663	.9668	.9656	.9343	.9546	<.0000	.9649
#4	.9735	.9707	.9665	.9392	.9532	<.0000	.9586
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9678 ✓	.9131 ✓	1.023 ✓	.9671 ✓	.9540	.9834	<.0000
SDev	.0042	.0118	.009	.0118	.0095	.0295	.1391
%RSD	.4358	1.289	.9200	1.218	.9941	3.002	600.4
#1	.9657	.9044	1.019	.9570	.9446	.9648	.0644
#2	.9630	.9102	1.037	.9761	.9521	.9524	.0276
#3	.9698	.9073	1.017	.9785	.9521	1.014	.0459
#4	.9725	.9304	1.017	.9570	.9672	1.002	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6719	.9341	.9675 ✓	.9606 ✓			
SDev	.0193	.0158	.0028	.0042			
%RSD	2.872	1.689	.2875	.4352			
#1	.6657	.9577	.9670	.9544			
#2	.6532	.9262	.9643	.9616			
#3	.6698	.9262	.9676	.9634			
#4	.6988	.9262	.9710	.9628			

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Method: IECW Sample Name: cb

Operator: it

Run Time: 11/29/01 15:33:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0010	.0013	.0075	.0015	.0010	.0005	<.0000
SDev	.0010	.0048	.0554	.0015	.0004	.0001	.0013
%RSD	100.00	378.0	735.0	104.6	40.00	25.71	455.0

#1	.0015	.0018	<.0000	.0024	.0016	.0007	.0012
#2	.0015	<.0000	<.0000	<.0000	.0008	.0005	<.0000
#3	<.0000	<.0000	<.0000	.0019	.0008	.0004	<.0000
#4	.0015	.0078	.0890	.0024	.0008	.0004	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0018	.0003	.0043	<.0000	.1761	.0047
SDev	.0016	.0018	.0017	.0007	.0034	.1732	.0039
%RSD	427.2	101.0	506.7	15.55	326.1	98.34	83.88

#1	.0020	.0033	.0024	.0052	<.0000	.2838	.0055
#2	<.0000	.0022	<.0000	.0043	.0017	.0489	.0086
#3	.0015	.0025	.0007	.0035	<.0000	.0098	<.0000
#4	<.0000	<.0000	<.0000	.0043	.0017	.3621	.0055

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0130	.0081	<.0000	<.0000	.0217	<.0000
SDev	.0006	.0050	.0304	.0088	.0196	.0422	.0758
%RSD	326.2	38.51	375.3	489.6	296.9	194.6	102.8

#1	.0005	.0173	<.0000	.0090	.0104	.0620	<.0000
#2	<.0000	.0144	<.0000	<.0000	<.0000	.0372	<.0000
#3	<.0000	.0144	.0059	<.0000	.0104	.0248	<.0000
#4	<.0000	.0058	.0512	.0018	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0135	.0197	<.0000	.0009
SDev	.0207	.0755	.0006	.0003
%RSD	153.7	383.2	382.8	38.55

#1	.0290	.0473	.0003	.0012
#2	<.0000	<.0000	.0003	.0006
#3	.0000	.1104	<.0000	.0012
#4	.0332	<.0000	<.0000	.0006