

5/30/02 wait'd

NYC samples

IPC+CB

LEB+LRB

11154+Lab Dup +spk

11155

11156

11157

11158

11278

11279

11280

11282

11283

CB+IPC

Reviewed by.

4/5 7/13/02

5/30/02 IT

see samples
on the next page

Blk

5STD

IPC+CB

LEB+2RB

11/138

10874 + Dup + Spk

11/106

11/16

11/18

11/28

11/31

11/33

11/35

11/62

IPC+CB

13056

13057

CCU+CCB

Wipe Blk

Wipe Spk

Dup

12077

0634

4861

$$12078 \frac{5499 \times 50}{.8889} = 53.4$$

$$12079 \frac{3107 \times 50}{.4861} = 52.5$$

$$12080 \frac{16.29 \times 50}{.8611} = 945.9$$

$$12081 \frac{3936 \times 50}{.07292} = 269.8$$

$$12082 \frac{.8499 \times 50}{1.26} = 33.7$$

$$\text{Wipe Blk } \frac{3.676 \times 50}{.1009} = 94.1$$

$$\text{Wipe Spk } \frac{4.096 \times 50}{.1029} = 103.9$$

$$\text{Wipe Dup } \frac{4.096 \times 50}{.1029} = 1989.8$$

$$12864 \frac{1.651 \times 50}{.875} = 9.4$$

$$12865 =$$

$$12866 \frac{2489 \times 50}{.8333} = 14.9$$

$$12867 \frac{3571 \times 50}{.8333} = 21.4$$

CCU+CCB

$$12868 \frac{142 \times 50}{1.65} = 4.3$$

$$12869 \frac{3963 \times 50}{1.65} = 19.8$$

Over

Standardization Rpt.

05/30/02 12:19:28 PM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 05/30/02 12:17:45

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.801	5.783	5.828	.5470	.1670	.3085	5.504
SDev	.012	.027	.038	.0089	.0011	.0010	.015
%RSD	.6632	.4678	.6526	1.621	.6914	.3241	.2719

#1	1.784	5.752	5.840	.5360	.1660	.3080	5.504
#2	1.804	5.770	5.782	.5560	.1660	.3080	5.484
#3	1.812	5.812	5.872	.5520	.1680	.3080	5.508
#4	1.804	5.798	5.816	.5440	.1680	.3100	5.520

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.6285	6.679	1.793	.7975	.0035	5.543	2.138
SDev	.0089	.071	.007	.0044	.0041	.013	.010
%RSD	1.408	1.064	.3795	.5561	117.8	.2384	.4794

#1	.6340	6.612	1.800	.7920	-.0020	5.528	2.132
#2	.6380	6.634	1.784	.7960	.0040	5.544	2.126
#3	.6220	6.770	1.796	.8000	.0040	5.560	2.148
#4	.6200	6.698	1.794	.8020	.0080	5.540	2.144

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1725	.9515	2.263	1.012	2.497	.8385	1.244
SDev	.0010	.0159	.005	.007	.017	.0064	.016
%RSD	.5797	1.667	.2224	.7216	.6775	.7636	1.301

#1	.1720	.9400	2.268	1.020	2.476	.8360	1.236
#2	.1720	.9380	2.256	1.004	2.494	.8360	1.226
#3	.1720	.9720	2.264	1.016	2.516	.8480	1.260
#4	.1740	.9560	2.264	1.008	2.504	.8340	1.256

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7460	.7275	1.044	.7675
SDev	.0040	.0125	.001	.0053
%RSD	.5362	1.715	.0957	.6853

#1	.7400	.7280	1.044	.7600
#2	.7480	.7240	1.044	.7700
#3	.7480	.7440	1.044	.7720
#4	.7480	.7140	1.046	.7680

Standardization Rpt.

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page 1

Method: IECW Standard: STD6

Run Time: 05/30/02 12:22:10

Elem	Ag3280
Avge	49.36
SDev	.08
%RSD	.1608

#1	49.30
#2	49.46
#3	49.38
#4	49.29

Standardization Rpt.

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Method: IECW Standard: STD3

Run Time: 05/30/02 12:24:06

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	28.82	268.9	25.15	40.25	11.86	40.29	7.743
SDev	.17	1.9	.20	.63	.09	.26	.055
%RSD	.5867	.7104	.7789	1.572	.7409	.6568	.7129

#1	28.57	266.3	24.89	39.38	11.73	39.96	7.692
#2	28.87	268.9	25.12	40.17	11.90	40.27	7.710
#3	28.95	270.9	25.36	40.76	11.93	40.61	7.816
#4	28.89	269.4	25.21	40.68	11.87	40.34	7.754

Elem	Tl1908
Avge	14.35
SDev	.24
%RSD	1.681

#1	14.04
#2	14.29
#3	14.49
#4	14.59

Standardization Rpt.

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Method: IECW Standard: STD4

Run Time: 05/30/02 12:26:59



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	63.14	60.74	82.18	10.02	6.740
SDev	.11	.19	.23	.10	.012
%RSD	.1697	.3069	.2811	.9538	.1719
#1	63.17	61.02	82.52	10.15	6.756
#2	63.24	60.61	82.14	9.966	6.738
#3	63.16	60.71	82.04	10.02	6.728
#4	62.99	60.64	82.02	9.936	6.740

Standardization Rpt.

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page 1

Method: IECW Standard: STD2

Run Time: 05/30/02 12:29:54

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	27.59	134.1	88.96	314.9	28.13	11.26	11.81
SDev	.10	.6	.36	1.4	.09	.02	.05
%RSD	.3550	.4500	.4061	.4555	.3369	.1489	.3958

#1	27.54	133.8	88.90	314.3	28.10	11.25	11.77
#2	27.60	134.2	89.00	315.3	28.14	11.26	11.80
#3	27.72	134.9	89.41	316.7	28.25	11.29	11.87
#4	27.50	133.5	88.54	313.3	28.02	11.26	11.77

Elem	Mn2576	Pb2203	Zn2138
Avge	50.16	19.61	111.7
SDev	.25	.13	.5
%RSD	.4917	.6379	.4770

#1	49.95	19.55	111.4
#2	50.20	19.65	111.7
#3	50.49	19.77	112.4
#4	50.00	19.48	111.2

Standardization Rpt.

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Method: IECW Standard: STD5
Run Time: 05/30/02 12:32:05

Elem V_2924
Avge 43.43
SDev .17
%RSD .3917

#1 43.29
#2 43.31
#3 43.44
#4 43.66

Method: IECW Sample Name: ipc
Run Time: 05/30/02 12:42:26
Comment:
Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B2496	Ba4934	Be3130	Ca3179
Avg	.4973	1.025	.0266	.9754	.9860	.9919	1.016
SDev	.0011	.004	.0141	.0050	.0049	.0038	.003
%RSD	.2225	.3699	52.93	.5092	.4945	.3789	.3039

#1	.4966	1.019	.0104	.9748	.9867	.9918	1.013
#2	.4983	1.028	.0445	.9821	.9926	.9970	1.019
#3	.4983	1.026	.0236	.9701	.9831	.9909	1.018
#4	.4962	1.026	.0278	.9745	.9816	.9880	1.014

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.9992	.9969	.9858	.9669	1.021	1.081	1.026
SDev	.0035	.0045	.0033	.0034	.004	.369	.017
%RSD	.3465	.4517	.3319	.3530	.3503	34.11	1.702

#1	.9982	.9951	.9855	.9680	1.016	.8948	1.007
#2	1.001	1.002	.9897	.9702	1.021	.7176	1.015
#3	1.002	.9995	.9862	.9673	1.025	1.143	1.038
#4	.9948	.9916	.9817	.9621	1.021	1.568	1.044

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.9922	1.000	.9894	1.026	1.027	.9903	.0216
SDev	.0025	.004	.0321	.008	.009	.0113	.0265
%RSD	.2508	.4362	3.248	.7388	.9186	1.138	122.4

#1	.9910	.9950	.9847	1.031	1.026	.9954	.0216
#2	.9950	1.002	.9553	1.033	1.041	.9750	<.0000
#3	.9934	1.005	.9847	1.019	1.021	.9895	.0330
#4	.9894	.9985	1.033	1.019	1.021	1.001	.0467

Elem	Si2881	Tl1908	V2924	Zn2138
Avg	.9770	1.047	.9953	1.005
SDev	.0019	.020	.0022	.003
%RSD	.1967	1.909	.2156	.3405

#1	.9754	1.062	.9939	1.006
#2	.9787	1.053	.9982	1.009
#3	.9753	1.018	.9958	1.005
#4	.9787	1.056	.9934	1.001

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 05/30/02 12:45:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082 ✓	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0017	.0063 ✓	.0021	.0003	<.0000	<.0000	.0011
SDev	.0012	.0086 ✓	.0074	.0015	.0006	.0004	.0016
%RSD	68.85	135.9	352.4	463.8	325.7	96.83	146.7

#1	.0005	<.0000	<.0000	.0011	.0005	.0001	.0031
#2	.0009	.0129	.0121	<.0000	<.0000	<.0000	<.0000
#3	.0031	.0146	.0033	.0021	<.0000	<.0000	.0011
#4	.0022	<.0000	<.0000	<.0000	<.0000	<.0000	.0011

Elem	Cd2288	Co2286 ✓	Cr2677	Cu3247	Fe2599 ✓	K_7664	Mg2790
Avge	.0002	<.0000 ✓	.0007	<.0000	.0028 ✓	.2392	.0036
SDev	.0011	.0013	.0010	.0013	.0015 ✓	.1930	.0071
%RSD	626.3	549.3	137.5	20.99	54.82	80.69	195.3

#1	.0006	.0004	.0006	<.0000	.0016	.3987	.0109
#2	.0006	<.0000	.0006	<.0000	.0032	<.0000	.0026
#3	<.0000	.0008	.0021	<.0000	.0016	.2215	.0067
#4	.0008	<.0000	<.0000	<.0000	.0048	.3632	<.0000

Elem	Mn2576	Mo2020 ✓	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000 ✓	.0162	<.0000	.0029	.0087	.0165
SDev	.0002	.0075	.0232	.0019	.0104	.0088	.0243
%RSD	76.79	189.8	143.1	62.84	355.6	100.2	146.8

#1	<.0000	.0044	.0461	<.0000	.0155	.0015	.0268
#2	<.0000	<.0000	<.0000	<.0000	.0073	.0189	.0040
#3	<.0000	<.0000	.0126	<.0000	<.0000	.0014	.0451
#4	<.0000	<.0000	.0168	<.0000	<.0000	.0131	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0067	<.0000	.0005	.0002
SDev	.0057	.0087	.0010	.0003
%RSD	85.38	52920.	222.1	192.4

#1	.0042	.0059	.0008	.0005
#2	.0075	.0088	.0013	.0004
#3	.0142	<.0000	.0008	<.0000
#4	.0008	<.0000	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: lfb
Run Time: 05/30/02 12:47:11
Comment:
Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0120	.2772	.2557	.2534	.2528	.0490	.0223
SDev	.0011	.0063	.0097	.0031	.0011	.0001	.0006
%RSD	9.228	2.288	3.803	1.235	.4329	.3131	2.506

#1	.0110	.2831	.2612	.2574	.2537	.0492	.0230
#2	.0127	.2752	.2655	.2534	.2522	.0491	.0219
#3	.0110	.2691	.2436	.2498	.2515	.0488	.0218
#4	.0131	.2813	.2525	.2531	.2537	.0491	.0222

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1040	.1056	.2588	.2475	.2708	<.0000	.0165
SDev	.0010	.0016	.0012	.0013	.0029	.4207	.0106
%RSD	.9661	1.540	.4614	.5060	1.085	125.0	64.42

#1	.1055	.1047	.2600	.2487	.2704	<.0000	.0025
#2	.1032	.1055	.2587	.2480	.2712	<.0000	.0212
#3	.1037	.1042	.2572	.2458	.2672	<.0000	.0150
#4	.1037	.1079	.2594	.2473	.2744	.2569	.0274

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2581	.1011	.0503	.2662	.2812	.2696	.2643
SDev	.0007	.0041	.0084	.0042	.0054	.0162	.0159
%RSD	.2646	4.018	16.69	1.581	1.923	6.014	6.005

#1	.2580	.1050	.0461	.2643	.2765	.2543	.2655
#2	.2584	.1040	.0461	.2613	.2859	.2864	.2838
#3	.2572	.0984	.0628	.2689	.2765	.2572	.2449
#4	.2588	.0968	.0461	.2704	.2859	.2805	.2632

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2290	.3052	.1015	.2614
SDev	.0110	.0057	.0009	.0015
%RSD	4.817	1.866	.8802	.5659

#1	.2182	.3026	.1013	.2607
#2	.2416	.2997	.1009	.2616
#3	.2215	.3129	.1009	.2600
#4	.2349	.3055	.1027	.2634

Analysis Report

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page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 05/30/02 12:49:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0012	.0100	.0085	<.0000	<.0000	<.0000	.0003
SDev	.0008	.0056	.0141	.0011	.0004	.0001	.0014
%RSD	69.63	55.63	165.5	45.76	76.89	11.02	519.2

#1	.0001	.0041	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0018	.0111	.0145	<.0000	<.0000	<.0000	.0021
#3	.0018	.0076	.0016	<.0000	<.0000	<.0000	.0003
#4	.0009	.0172	.0249	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0011	<.0000	.0020	.3101	.0150
SDev	.0007	.0024	.0014	.0004	.0021	.2915	.0034
%RSD	198.6	321.7	121.1	3.450	106.1	94.01	22.52

#1	<.0000	<.0000	.0006	<.0000	<.0000	<.0000	.0109
#2	.0006	.0028	.0031	<.0000	.0008	.6468	.0150
#3	<.0000	<.0000	.0001	<.0000	.0024	.3632	.0192
#4	<.0000	<.0000	.0006	<.0000	.0048	.2924	.0150

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	.0121	<.0000	.0053	<.0000	<.0000
SDev	.0007	.0007	.0094	.0039	.0129	.0087	.0112
%RSD	113.7	2.150	78.27	139.4	245.2	44.12	243.7

#1	.0003	<.0000	.0063	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0252	<.0000	.0225	<.0000	.0085
#3	<.0000	<.0000	.0042	.0014	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0126	<.0000	.0073	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0025	.0143	<.0000	<.0000
SDev	.0033	.0047	.0010	.0005
%RSD	134.6	32.94	147.6	510.1

#1	.0008	.0191	<.0000	.0005
#2	.0008	.0103	.0008	.0001
#3	.0075	.0103	<.0000	<.0000
#4	.0008	.0176	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 05/30/02 15:30:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082 ✓	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4865	.9855 ✓	<.0000	.9405	.9638	.9764	.9922
SDev	.0032	.0048	.0204	.0085	.0066	.0066	.0063
%RSD	.6572	.4835	4781.	.9009	.6892	.6793	.6336

#1	.4834	.9816	<.0000	.9340	.9567	.9699	.9841
#2	.4897	.9859	<.0000	.9499	.9691	.9809	.9976
#3	.4842	.9824	<.0000	.9327	.9596	.9715	.9905
#4	.4888	.9921	.0290	.9453	.9698	.9832	.9967

Elem	Cd2288	Co2286 ✓	Cr2677	Cu3247	Fe2599 ✓	K_7664	Mg2790
Avge	.9925	.9794 ✓	.9682	.9594	.9884 ✓	<.0000	.9793
SDev	.0095	.0078	.0073	.0072	.0096	.2827	.0121
%RSD	.9563	.7923	.7556	.7518	.9752	69.23	1.239

#1	.9827	.9714	.9652	.9525	.9807	<.0000	.9668
#2	1.003	.9839	.9739	.9656	.9918	<.0000	.9897
#3	.9863	.9743	.9592	.9539	.9807	<.0000	.9710
#4	.9979	.9878	.9744	.9656	1.001	<.0000	.9897

Elem	Mn2576	Mo2020 ✓	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9749	.9776 ✓	.9493	1.004	.9916	.9390	.0144
SDev	.0080	.0133	.0166	.005	.0114	.0136	.0248
%RSD	.8238	1.357	1.750	.5114	1.151	1.451	172.4

#1	.9663	.9653	.9525	.9979	.9790	.9215	.0053
#2	.9807	.9735	.9694	1.006	1.001	.9360	<.0000
#3	.9699	.9750	.9461	1.001	.9849	.9448	.0509
#4	.9827	.9964	.9292	1.010	1.001	.9535	.0052

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9522	1.002	.9739	.9934
SDev	.0063	.018	.0068	.0040
%RSD	.6667	1.779	.6951	.4068

#1	.9480	.9910	.9680	.9914
#2	.9614	1.017	.9775	.9950
#3	.9513	1.016	.9685	.9890
#4	.9479	.9821	.9817	.9982

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 05/30/02 15:33:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082 ✓	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000
SDev	.0009	.0011	.0047	.0014	.0000	.0000	.0015
%RSD	27.76	5.114	22.25	285.4	.0190	40.00	14.30

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000
#2	<.0000	<.0000	<.0000	.0008	<.0000	.0001	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000
#4	<.0000	<.0000	<.0000	.0005	<.0000	.0001	<.0000

Elem	Cd2288	Co2286 ✓	Cr2677	Cu3247	Fe2599 ✓	K_7664	Mg2790
Avge	<.0000	.0008	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0005	.0006	.0004	.0013	.2343	.0062
%RSD	73.87	59.77	123.7	57.79	220.0	14.42	45.96

#1	<.0000	.0015	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0008	.0003	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0005	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0004	<.0000	<.0000	.0010	<.0000	<.0000

Elem	Mn2576	Mo2020 ✓	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0111	<.0000	.0037	<.0000	.0197	.0149
SDev	.0004	.0025	.0063	.0016	.0094	.0149	.0356
%RSD	96.05	22.92	20.96	42.66	269.1	75.64	238.4

#1	<.0000	.0092	<.0000	.0038	<.0000	.0001	.0149
#2	<.0000	.0138	<.0000	.0023	.0044	.0262	<.0000
#3	<.0000	.0128	<.0000	.0059	.0044	.0175	.0652
#4	.0001	.0087	<.0000	.0028	<.0000	.0350	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0049	.0008	.0006
%RSD	.0650	53.21	57.75	44.13

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

Analysis Report

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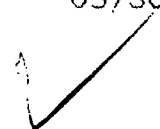
Method: IECW Sample Name: lfb

Operator: it

Run Time: 05/30/02 15:35:54

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0044	.2403	.2431	.2486	.2499	.0499	.0090
SDev	.0013	.0100	.0043	.0028	.0006	.0001	.0015
%RSD	28.57	4.181	1.781	1.142	.2384	.1491	17.04

#1	.0038	.2392	.2384	.2518	.2491	.0498	.0086
#2	.0063	.2533	.2428	.2498	.2499	.0500	.0112
#3	.0038	.2401	.2489	.2451	.2499	.0500	.0081
#4	.0038	.2287	.2424	.2478	.2506	.0500	.0080

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1043	.1046	.2543	.2556	.2695	<.0000	<.0000
SDev	.0023	.0009	.0023	.0007	.0008	.3265	.0024
%RSD	2.189	.8926	.9131	.2865	.2950	12.24	26.91

#1	.1016	.1033	.2564	.2552	.2699	<.0000	<.0000
#2	.1032	.1055	.2562	.2567	.2699	<.0000	<.0000
#3	.1066	.1051	.2527	.2552	.2683	<.0000	<.0000
#4	.1057	.1047	.2519	.2552	.2699	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2564	.1103	.0275	.2651	.2486	.2537	.2593
SDev	.0009	.0022	.0208	.0073	.0068	.0225	.0216
%RSD	.3716	2.006	75.89	2.762	2.734	8.847	8.342

#1	.2566	.1084	.0306	.2595	.2469	.2668	.2787
#2	.2550	.1134	.0518	.2616	.2586	.2784	.2467
#3	.2570	.1094	.0010	.2758	.2457	.2319	.2764
#4	.2570	.1099	.0264	.2636	.2434	.2377	.2353

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2226	.2763	.0983	.2693
SDev	.0064	.0135	.0007	.0008
%RSD	2.891	4.895	.7206	.2944

#1	.2242	.2903	.0989	.2684
#2	.2310	.2770	.0989	.2702
#3	.2175	.2800	.0979	.2690
#4	.2175	.2579	.0975	.2697

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Method: IECW Sample Name: lrb

Operator: it

Run Time: 05/30/02 15:38:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082 ✓	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000 ✓	<.0000	<.0000	.0000	.0001	<.0000
SDev	.0009	.0109	.0142	.0013	.0007	.0001	.0020
%RSD	21.63	50.36	73.73	116.4	33610.	66.67	17.25
#1	<.0000	<.0000	<.0000	<.0000	.0011	.0002	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000
#3	<.0000	<.0000	<.0000	.0002	<.0000	.0001	<.0000
#4	<.0000	<.0000	.0012	<.0000	<.0000	.0001	<.0000
Elem	Cd2288	Co2286 ✓	Cr2677	Cu3247	Fe2599 ✓	K_7664	Mg2790
Avge	.0001	<.0000 ✓	<.0000	<.0000	<.0000 ✓	<.0000	<.0000
SDev	.0015	.0006	.0005	.0007	.0019	.1906	.0103
%RSD	1301.	68.58	43.54	50.00	191.5	10.30	65.67
#1	.0020	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0006	<.0000	<.0000	<.0000	.0002	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0010	<.0000	<.0000
Elem	Mn2576	Mo2020 ✓	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0001	.0052 ✓	<.0000	<.0000	<.0000	.0001	<.0000
SDev	.0006	.0057	.0323	.0007	.0090	.0143	.0212
%RSD	558.4	109.8	72.70	286.4	106.3	22050.	4305.
#1	.0009	.0138	<.0000	.0003	.0044	.0117	.0286
#2	<.0000	.0016	<.0000	<.0000	<.0000	.0117	<.0000
#3	<.0000	.0020	<.0000	.0003	<.0000	<.0000	<.0000
#4	.0001	.0036	<.0000	<.0000	<.0000	<.0000	.0012
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	<.0000	<.0000	<.0000			
SDev	.0084	.0155	.0009	.0006			
%RSD	167.3	91.64	31.91	78.02			
#1	<.0000	<.0000	<.0000	<.0000			
#2	<.0000	<.0000	<.0000	<.0000			
#3	<.0000	<.0000	<.0000	<.0000			
#4	<.0000	<.0000	<.0000	<.0000			

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Method: IECW Sample Name: 11154

Operator: it

Run Time: 05/30/02 15:43:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0020	.0165	<.0000	6.530
SDev	.0010	.0073	.0116	.0013	.0000	.0000	.008
%RSD	12.20	25.57	248.6	64.14	.0059	200.0	.1297

#1	<.0000	<.0000	.0125	.0008	.0165	.0000	6.535
#2	<.0000	<.0000	<.0000	.0034	.0165	.0000	6.517
#3	<.0000	<.0000	<.0000	.0028	.0165	.0000	6.535
#4	<.0000	<.0000	<.0000	.0011	.0165	<.0000	6.533

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0026	.0300	<.0000	1.424
SDev	.0003	.0007	.0013	.0009	.0028	.1525	.010
%RSD	31.03	40.59	38.77	35.62	9.273	4.959	.6792

#1	<.0000	<.0000	<.0000	.0039	.0334	<.0000	1.412
#2	<.0000	<.0000	<.0000	.0017	.0271	<.0000	1.420
#3	<.0000	<.0000	<.0000	.0024	.0310	<.0000	1.430
#4	<.0000	<.0000	<.0000	.0024	.0286	<.0000	1.433

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0256	.0004	8.251	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0009	.037	.0040	.0051	.0289	.0146
%RSD	2.211	216.5	.4503	358.3	32.22	18930.	102.2

#1	.0260	<.0000	8.276	.0035	<.0000	<.0000	<.0000
#2	.0248	<.0000	8.218	<.0000	<.0000	<.0000	<.0000
#3	.0256	.0015	8.290	<.0000	<.0000	.0406	<.0000
#4	.0260	.0009	8.221	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5038	<.0000	<.0000	.0004
SDev	.0190	.0143	.0010	.0004
%RSD	3.771	1596.	19.45	90.06

#1	.5038	.0131	<.0000	.0010
#2	.4903	<.0000	<.0000	.0001
#3	.4903	<.0000	<.0000	.0003
#4	.5306	.0042	<.0000	.0003

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Method: IECW Sample Name: 11154lab dup Operator: it
 Run Time: 05/30/02 15:45:29
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0008	.0165	<.0000	6.519
SDev	.0003	.0067	.0080	.0008	.0000	.0000	.043
%RSD	4.243	21.64	83.30	98.54	.0253	115.5	.6615

#1	<.0000	<.0000	<.0000	.0008	.0165	.0000	6.562
#2	<.0000	<.0000	<.0000	.0011	.0165	.0000	6.550
#3	<.0000	<.0000	<.0000	<.0000	.0165	<.0000	6.483
#4	<.0000	<.0000	<.0000	.0018	.0165	<.0000	6.481

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0028	.0302	<.0000	1.417
SDev	.0012	.0008	.0008	.0004	.0011	.2322	.007
%RSD	81.19	52.22	21.67	15.26	3.731	7.352	.5276

#1	<.0000	<.0000	<.0000	.0031	.0286	<.0000	1.412
#2	<.0000	<.0000	<.0000	.0024	.0302	<.0000	1.428
#3	<.0000	<.0000	<.0000	.0031	.0310	<.0000	1.416
#4	<.0000	<.0000	<.0000	.0024	.0310	<.0000	1.414

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0258	.0001	8.252	.0035	<.0000	<.0000	<.0000
SDev	.0002	.0032	.064	.0042	.0100	.0096	.0109
%RSD	.8969	6267.	.7716	120.0	54.27	87.10	30370.

#1	.0260	.0035	8.331	<.0000	<.0000	<.0000	<.0000
#2	.0256	.0004	8.273	.0004	<.0000	<.0000	<.0000
#3	.0260	<.0000	8.185	.0065	<.0000	<.0000	.0028
#4	.0256	.0004	8.221	.0075	<.0000	<.0000	.0143

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5029	.0046	<.0000	.0003
SDev	.0057	.0146	.0007	.0003
%RSD	1.138	314.7	14.65	106.7

#1	.5004	.0116	<.0000	<.0000
#2	.5105	.0190	<.0000	.0005
#3	.4971	.0028	<.0000	.0001
#4	.5038	<.0000	<.0000	.0007

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Method: IECW Sample Name: 11154spk

Operator: it

Run Time: 05/30/02 15:56:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0052	.2617 ¹⁰⁵	.2522	.2556	.2600	.0490	6.043
SDev	.0016	.0068	.0080	.0027	.0009	.0002	.023
%RSD	31.56	2.600	3.168	1.060	.3525	.3822	.3865

#1	.0029	.2542	.2495	.2567	.2602	.0490	6.025
#2	.0066	.2700	.2468	.2587	.2587	.0489	6.025
#3	.0058	.2586	.2484	.2547	.2609	.0493	6.074
#4	.0054	.2639	.2641	.2524	.2602	.0490	6.048

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1035	.1027 ¹⁰³	.2483	.2538	.2801 ^{100%}	<.0000	1.349
SDev	.0009	.0008	.0018	.0017	.0050	.2667	.018
%RSD	.8287	.8268	.7247	.6816	1.795	16.99	1.309

#1	.1029	.1017	.2467	.2514	.2737	<.0000	1.328
#2	.1034	.1026	.2469	.2536	.2785	<.0000	1.362
#3	.1029	.1037	.2491	.2551	.2833	<.0000	1.366
#4	.1047	.1028	.2504	.2551	.2849	<.0000	1.341

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2751	.0963 ⁹⁶	7.567	.2616	.2422	.2192	.2580
SDev	.0018	.0013	.025	.0045	.0103	.0060	.0312
%RSD	.6447	1.329	.3270	1.737	4.237	2.725	12.09

#1	.2733	.0950	7.552	.2602	.2316	.2113	.2643
#2	.2741	.0960	7.544	.2561	.2398	.2258	.2163
#3	.2773	.0960	7.599	.2668	.2410	.2200	.2917
#4	.2757	.0981	7.575	.2633	.2562	.2200	.2597

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7197	.2567	.0968	.2558
SDev	.0088	.0144	.0006	.0005
%RSD	1.228	5.598	.6122	.2113

#1	.7122	.2365	.0960	.2554
#2	.7155	.2703	.0969	.2554
#3	.7188	.2585	.0974	.2561
#4	.7323	.2615	.0969	.2564

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Method: IECW Sample Name: 11155

Operator: it

Run Time: 05/30/02 15:58:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0048	.0024	.0158	.0000	6.432
SDev	.0019	.0049	.0100	.0014	.0006	.0000	.014
%RSD	26.48	21.43	208.0	59.07	3.768	.0000	.2225

#1	<.0000	<.0000	<.0000	.0018	.0165	.0000	6.445
#2	<.0000	<.0000	.0003	.0044	.0150	.0000	6.413
#3	<.0000	<.0000	.0044	.0024	.0158	.0000	6.429
#4	<.0000	<.0000	.0189	.0011	.0158	.0000	6.441

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	.0044	.0281	<.0000	1.358
SDev	.0017	.0007	.0016	.0009	.0014	.3623	.011
%RSD	634.0	139.8	174.0	20.85	4.836	13.01	.8335

#1	.0024	.0004	.0009	.0046	.0287	<.0000	1.358
#2	<.0000	<.0000	<.0000	.0046	.0263	<.0000	1.351
#3	.0010	<.0000	<.0000	.0053	.0279	<.0000	1.374
#4	<.0000	<.0000	<.0000	.0031	.0295	<.0000	1.349

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0225	.0041	7.167	<.0000	.0026	.0100	.0040
SDev	.0002	.0017	.067	.0018	.0087	.0077	.0390
%RSD	.8908	40.85	.9349	2081.	329.0	76.65	983.4

#1	.0224	.0045	7.201	.0014	.0067	.0202	.0554
#2	.0224	.0060	7.120	.0014	.0032	.0028	<.0000
#3	.0224	.0020	7.103	<.0000	.0103	.0115	.0097
#4	.0228	.0040	7.245	<.0000	<.0000	.0057	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5081	<.0000	<.0000	.0017
SDev	.0088	.0082	.0008	.0007
%RSD	1.740	1896.	19.20	44.70

#1	.5072	<.0000	<.0000	.0010
#2	.5207	<.0000	<.0000	.0010
#3	.5038	.0073	<.0000	.0025
#4	.5005	.0058	<.0000	.0021

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Method: IECW Sample Name: 11156

Operator: it

Run Time: 05/30/02 16:01:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0012	.0158	<.0000	6.337
SDev	.0019	.0082	.0092	.0020	.0006	.0000	.025
%RSD	22.47	31.59	185.1	158.4	3.773	200.0	.3984

#1	<.0000	<.0000	.0021	<.0000	.0158	.0000	6.316
#2	<.0000	<.0000	.0033	.0031	.0158	.0000	6.314
#3	<.0000	<.0000	<.0000	.0027	.0165	.0000	6.361
#4	<.0000	<.0000	<.0000	.0001	.0150	<.0000	6.356

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0324	.0521	<.0000	1.388
SDev	.0010	.0009	.0010	.0012	.0031	.3197	.015
%RSD	215.9	76.84	32.48	3.688	5.902	9.733	1.090

#1	.0001	<.0000	<.0000	.0324	.0510	<.0000	1.366
#2	.0006	<.0000	<.0000	.0339	.0494	<.0000	1.393
#3	<.0000	<.0000	<.0000	.0324	.0565	<.0000	1.399
#4	<.0000	<.0000	<.0000	.0310	.0517	<.0000	1.395

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0298	.0012	7.368	<.0000	<.0000	.0006	<.0000
SDev	.0005	.0011	.056	.0036	.0137	.0155	.0109
%RSD	1.733	88.99	.7630	293.4	160.9	2748.	44.12

#1	.0296	.0025	7.313	<.0000	<.0000	.0173	<.0000
#2	.0292	.0009	7.351	.0009	<.0000	<.0000	<.0000
#3	.0300	.0014	7.362	.0019	.0056	<.0000	<.0000
#4	.0304	<.0000	7.446	<.0000	<.0000	.0086	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4979	.0076	<.0000	.0002
SDev	.0100	.0070	.0014	.0003
%RSD	2.009	92.51	30.16	155.8

#1	.4837	.0014	<.0000	.0003
#2	.5072	.0072	<.0000	<.0000
#3	.5004	.0175	<.0000	.0005
#4	.5005	.0043	<.0000	<.0000

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Method: IECW Sample Name: 11157

Operator: it

Run Time: 05/30/02 16:03:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0165	.0000	6.421
SDev	.0015	.0079	.0100	.0017	.0000	.0000	.017
%RSD	17.11	23.21	75.56	261.4	.0098	.0000	.2664

#1	<.0000	<.0000	<.0000	<.0000	.0165	.0000	6.396
#2	<.0000	<.0000	<.0000	.0011	.0165	.0000	6.422
#3	<.0000	<.0000	<.0000	.0004	.0165	.0000	6.434
#4	<.0000	<.0000	<.0000	<.0000	.0165	.0000	6.431

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0031	.0336	<.0000	1.399
SDev	.0005	.0014	.0003	.0006	.0016	.2314	.004
%RSD	35.16	60.81	8.653	19.05	4.884	7.066	.3212

#1	<.0000	<.0000	<.0000	.0031	.0358	<.0000	1.395
#2	<.0000	<.0000	<.0000	.0031	.0334	<.0000	1.399
#3	<.0000	<.0000	<.0000	.0039	.0318	<.0000	1.405
#4	<.0000	<.0000	<.0000	.0024	.0334	<.0000	1.397

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0322	.0009	7.367	<.0000	<.0000	<.0000	.0051
SDev	.0002	.0029	.047	.0033	.0154	.0131	.0131
%RSD	.7174	308.4	.6352	699.6	99.39	68.91	255.7

#1	.0320	.0045	7.353	.0035	.0009	<.0000	<.0000
#2	.0320	.0009	7.404	<.0000	<.0000	<.0000	.0211
#3	.0324	<.0000	7.404	<.0000	<.0000	<.0000	<.0000
#4	.0324	.0009	7.307	<.0000	<.0000	<.0000	.0097

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5072	<.0000	<.0000	.0025
SDev	.0299	.0098	.0005	.0003
%RSD	5.900	130.4	8.970	11.89

#1	.5005	<.0000	<.0000	.0028
#2	.4836	<.0000	<.0000	.0021
#3	.4937	.0058	<.0000	.0025
#4	.5508	<.0000	<.0000	.0025

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Method: IECW Sample Name: 11158

Operator: it

Run Time: 05/30/02 16:06:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0031	.0024	<.0000	14.32
SDev	.0012	.0073	.0026	.0016	.0000	.0000	.14
%RSD	15.04	14.43	20.95	50.83	.6770	200.0	.9825

#1	<.0000	<.0000	<.0000	.0038	.0024	<.0000	14.20
#2	<.0000	<.0000	<.0000	.0035	.0024	.0000	14.29
#3	<.0000	<.0000	<.0000	.0008	.0024	.0000	14.27
#4	<.0000	<.0000	<.0000	.0045	.0023	.0000	14.53

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0113	.0459	<.0000	8.681
SDev	.0003	.0007	.0006	.0009	.0027	.3183	.082
%RSD	19.74	29.17	36.06	8.383	5.904	12.62	.9415

#1	<.0000	<.0000	<.0000	.0109	.0425	<.0000	8.620
#2	<.0000	<.0000	<.0000	.0124	.0481	<.0000	8.643
#3	<.0000	<.0000	<.0000	.0117	.0481	<.0000	8.660
#4	<.0000	<.0000	<.0000	.0102	.0448	<.0000	8.801

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0195	.0016	38.97	<.0000	<.0000	.0039	<.0000
SDev	.0005	.0028	.51	.0033	.0045	.0216	.0184
%RSD	2.349	173.8	1.310	507.0	36.07	557.7	323.8

#1	.0191	.0046	38.52	.0006	<.0000	<.0000	.0200
#2	.0199	.0035	38.83	.0006	<.0000	.0162	<.0000
#3	.0191	<.0000	38.81	<.0000	<.0000	.0279	<.0000
#4	.0199	<.0000	39.70	.0016	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	8.131	<.0000	<.0000	.0428
SDev	.067	.0076	.0006	.0008
%RSD	.8184	298.1	11.35	1.911

#1	8.082	.0064	<.0000	.0417
#2	8.112	<.0000	<.0000	.0426
#3	8.102	<.0000	<.0000	.0435
#4	8.229	.0002	<.0000	.0434

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Method: IECW Sample Name: 11278

Operator: it

Run Time: 05/30/02 16:08:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0048	.0119	.0286	<.0000	26.30
SDev	.0008	.0121	.0119	.0024	.0007	.0000	.05
%RSD	9.348	27.37	248.8	20.37	2.544	200.0	.1740

#1	<.0000	<.0000	<.0000	.0101	.0290	.0000	26.34
#2	<.0000	<.0000	<.0000	.0108	.0290	.0000	26.24
#3	<.0000	<.0000	.0227	.0111	.0275	.0000	26.29
#4	<.0000	<.0000	<.0000	.0154	.0290	<.0000	26.33

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0621	<.0000	8.904
SDev	.0013	.0007	.0006	.0007	.0023	.1728	.035
%RSD	149.4	27.67	31.37	13.34	3.757	9.667	.3945

#1	<.0000	<.0000	<.0000	<.0000	.0629	<.0000	8.943
#2	<.0000	<.0000	<.0000	<.0000	.0621	<.0000	8.877
#3	<.0000	<.0000	<.0000	<.0000	.0589	<.0000	8.872
#4	.0006	<.0000	<.0000	<.0000	.0645	<.0000	8.925

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0842	<.0000	30.26	.0011	<.0000	<.0000	<.0000
SDev	.0004	.0011	.15	.0043	.0045	.0096	.0124
%RSD	.4541	66.16	.4906	394.9	22.05	1733.	164.0

#1	.0847	<.0000	30.10	.0026	<.0000	.0103	<.0000
#2	.0839	<.0000	30.16	.0057	<.0000	.0016	<.0000
#3	.0843	<.0000	30.35	.0006	<.0000	<.0000	<.0000
#4	.0839	<.0000	30.42	<.0000	<.0000	<.0000	.0107

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.055	.0008	<.0000	<.0000
SDev	.012	.0230	.0009	.0007
%RSD	1.116	3007.	17.60	54.30

#1	1.061	<.0000	<.0000	<.0000
#2	1.051	.0056	<.0000	<.0000
#3	1.068	.0056	<.0000	<.0000
#4	1.041	.0232	<.0000	<.0000

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Method: IECW Sample Name: 11279

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0018	.0160	<.0000	6.389
SDev	.0019	.0139	.0097	.0008	.0007	.0000	.031
%RSD	20.94	42.65	120.5	42.41	4.364	66.67	.4775

#1	<.0000	<.0000	.0048	.0024	.0165	<.0000	6.435
#2	<.0000	<.0000	<.0000	.0008	.0150	<.0000	6.376
#3	<.0000	<.0000	<.0000	.0018	.0158	<.0000	6.370
#4	<.0000	<.0000	<.0000	.0024	.0165	.0000	6.377

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0273	<.0000	1.403
SDev	.0006	.0007	.0012	.0014	.0014	.4319	.011
%RSD	37.39	43.09	38.76	36.71	4.990	12.86	.8119

#1	<.0000	<.0000	<.0000	<.0000	.0271	<.0000	1.420
#2	<.0000	<.0000	<.0000	<.0000	.0287	<.0000	1.395
#3	<.0000	<.0000	<.0000	<.0000	.0279	<.0000	1.397
#4	<.0000	<.0000	<.0000	<.0000	.0255	<.0000	1.401

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0217	<.0000	4.901	.0041	<.0000	<.0000	<.0000
SDev	.0004	.0015	.005	.0008	.0176	.0207	.0167
%RSD	1.767	257.2	.0955	18.59	131.0	347.2	1432.

#1	.0216	<.0000	4.907	.0045	.0009	<.0000	.0005
#2	.0212	<.0000	4.896	.0035	<.0000	<.0000	.0052
#3	.0220	.0009	4.903	.0050	<.0000	.0057	.0143
#4	.0220	<.0000	4.899	.0035	<.0000	.0115	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2729	.0017	<.0000	<.0000
SDev	.0050	.0121	.0014	.0009
%RSD	1.850	704.3	26.37	50.22

#1	.2686	<.0000	<.0000	<.0000
#2	.2687	.0087	<.0000	<.0000
#3	.2787	.0146	<.0000	<.0000
#4	.2754	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 11280

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	.0163	<.0000	6.267
SDev	.0012	.0071	.0053	.0025	.0004	.0000	.021
%RSD	12.69	18.25	102.3	88.74	2.228	200.0	.3407

#1	<.0000	<.0000	<.0000	.0011	.0165	<.0000	6.255
#2	<.0000	<.0000	<.0000	.0058	.0165	.0000	6.260
#3	<.0000	<.0000	<.0000	.0038	.0165	.0000	6.299
#4	<.0000	<.0000	<.0000	.0004	.0158	.0000	6.254

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0253	<.0000	1.394
SDev	.0016	.0006	.0010	.0008	.0020	.1660	.006
%RSD	195.0	24.20	35.98	17.20	7.860	4.918	.4308

#1	<.0000	<.0000	<.0000	<.0000	.0279	<.0000	1.395
#2	.0006	<.0000	<.0000	<.0000	.0231	<.0000	1.387
#3	.0006	<.0000	<.0000	<.0000	.0255	<.0000	1.401
#4	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	1.393

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0263	.0002	4.733	.0014	<.0000	.0021	<.0000
SDev	.0004	.0034	.049	.0026	.0055	.0192	.0293
%RSD	1.459	1827.	1.029	183.4	22.78	929.7	2581.

#1	.0260	<.0000	4.721	.0025	<.0000	.0057	<.0000
#2	.0264	.0009	4.761	.0004	<.0000	.0231	.0188
#3	.0260	.0040	4.780	<.0000	<.0000	.0028	.0280
#4	.0268	<.0000	4.670	.0045	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2334	<.0000	<.0000	<.0000
SDev	.0085	.0066	.0019	.0008
%RSD	3.625	248.2	34.65	48.04

#1	.2418	<.0000	<.0000	<.0000
#2	.2351	.0029	<.0000	<.0000
#3	.2216	.0014	<.0000	<.0000
#4	.2351	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 11282

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0003	.0154	<.0000	6.351
SDev	.0006	.0030	.0065	.0006	.0004	.0000	.023
%RSD	7.322	9.088	52.04	231.9	2.726	66.67	.3677

#1	<.0000	<.0000	<.0000	.0008	.0150	<.0000	6.344
#2	<.0000	<.0000	<.0000	.0008	.0158	<.0000	6.384
#3	<.0000	<.0000	<.0000	<.0000	.0150	<.0000	6.346
#4	<.0000	<.0000	<.0000	.0001	.0158	.0000	6.330

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0259	<.0000	1.394
SDev	.0013	.0007	.0004	.0004	.0017	.1812	.017
%RSD	469.7	35.68	13.44	9.159	6.396	5.577	1.228

#1	<.0000	<.0000	<.0000	<.0000	.0255	<.0000	1.395
#2	<.0000	<.0000	<.0000	<.0000	.0239	<.0000	1.391
#3	.0006	<.0000	<.0000	<.0000	.0263	<.0000	1.374
#4	.0019	<.0000	<.0000	<.0000	.0279	<.0000	1.416

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0207	<.0000	4.803	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0013	.058	.0044	.0106	.0118	.0211
%RSD	1.850	294.1	1.210	254.3	55.52	158.7	3617.

#1	.0204	.0004	4.820	.0035	<.0000	<.0000	<.0000
#2	.0204	<.0000	4.867	<.0000	<.0000	.0086	.0280
#3	.0208	.0009	4.799	<.0000	<.0000	<.0000	.0029
#4	.0212	<.0000	4.727	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2838	<.0000	<.0000	<.0000
SDev	.0085	.0108	.0009	.0004
%RSD	2.986	131.8	15.76	22.67

#1	.2754	<.0000	<.0000	<.0000
#2	.2821	.0014	<.0000	<.0000
#3	.2956	<.0000	<.0000	<.0000
#4	.2821	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 11283

Run Time: 05/30/02 16:16:32

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0009	.0160	<.0000	6.300
SDev	.0009	.0095	.0127	.0010	.0004	.0000	.021
%RSD	8.965	27.65	649.1	109.7	2.282	66.67	.3255

#1	<.0000	<.0000	.0108	.0001	.0158	<.0000	6.318
#2	<.0000	<.0000	.0056	.0024	.0165	.0000	6.305
#3	<.0000	<.0000	<.0000	.0004	.0158	<.0000	6.271
#4	<.0000	<.0000	<.0000	.0008	.0158	<.0000	6.308

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0263	<.0000	1.392
SDev	.0006	.0009	.0009	.0010	.0017	.3169	.012
%RSD	49.76	40.88	33.93	21.06	6.519	8.910	.8586

#1	<.0000	<.0000	<.0000	<.0000	.0271	<.0000	1.395
#2	<.0000	<.0000	<.0000	<.0000	.0279	<.0000	1.399
#3	<.0000	<.0000	<.0000	<.0000	.0239	<.0000	1.374
#4	<.0000	<.0000	<.0000	<.0000	.0263	<.0000	1.399

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	4.739	.0002	<.0000	<.0000	<.0000
SDev	.0003	.0022	.040	.0052	.0029	.0096	.0329
%RSD	1.362	370.0	.8480	3201.	20.01	56.89	1910.

#1	.0244	.0014	4.776	.0004	<.0000	<.0000	<.0000
#2	.0240	<.0000	4.712	.0040	<.0000	<.0000	.0051
#3	.0240	<.0000	4.698	<.0000	<.0000	<.0000	.0235
#4	.0236	<.0000	4.772	.0035	<.0000	<.0000	.0143

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2662	<.0000	<.0000	<.0000
SDev	.0100	.0062	.0012	.0001
%RSD	3.762	97.28	23.00	7.499

#1	.2620	<.0000	<.0000	<.0000
#2	.2787	<.0000	<.0000	<.0000
#3	.2553	<.0000	<.0000	<.0000
#4	.2687	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 05/30/02 16:18:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082 ✓	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4673	.9470 ✓	.0084	.9139	.9229	.9408	.9684
SDev	.0048	.0212	.0140	.0123	.0081	.0099	.0045
%RSD	1.023	2.237	165.7	1.342	.8763	1.053	.4670

#1	.4602	.9168	.0181	.8982	.9114	.9269	.9677
#2	.4695	.9483	.0089	.9181	.9282	.9451	.9723
#3	.4686	.9588	<.0000	.9118	.9231	.9415	.9623
#4	.4707	.9641	.0182	.9274	.9289	.9498	.9713

Elem	Cd2288	Co2286 ✓	Cr2677	Cu3247	Fe2599 ✓	K_7664	Mg2790
Avg	.9550	.9430 ✓	.9328	.9226	.9516 ✓	<.0000	.9413
SDev	.0084	.0122	.0107	.0103	.0137	.2600	.0149
%RSD	.8777	1.296	1.152	1.112	1.435	21.55	1.577

#1	.9449	.9260	.9174	.9078	.9330	<.0000	.9211
#2	.9562	.9480	.9376	.9268	.9592	<.0000	.9398
#3	.9537	.9434	.9341	.9246	.9504	<.0000	.9544
#4	.9653	.9546	.9420	.9312	.9640	<.0000	.9502

Elem	Mn2576	Mo2020 ✓	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.9391	.9111 ✓	.9107	.9700	.9336	.8875	.0231
SDev	.0100	.0289	.0294	.0085	.0385	.0308	.0222
%RSD	1.066	3.168	3.232	.8737	4.127	3.465	96.03

#1	.9255	.8711	.8763	.9643	.8771	.8548	.0147
#2	.9439	.9190	.9102	.9663	.9474	.8693	<.0000
#3	.9383	.9144	.9081	.9669	.9462	.9042	.0282
#4	.9487	.9399	.9483	.9826	.9638	.9216	.0510

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8993	.9653	.9362	.9545
SDev	.0080	.0303	.0109	.0095
%RSD	.8875	3.134	1.165	.9977

#1	.8943	.9529	.9213	.9434
#2	.8943	.9970	.9397	.9564
#3	.8976	.9292	.9364	.9520
#4	.9111	.9822	.9473	.9663

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 05/30/02 16:20:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000 ✓	<.0000	.0017	.0044	.0049	.0203
SDev	.0033	.0080	.0086	.0047	.0038	.0044	.0044
%RSD	100.7	25.23	51.71	286.0	87.66	91.45	21.64

#1	.0013	<.0000	<.0000	.0085	.0098	.0111	.0262
#2	<.0000	<.0000	<.0000	.0008	.0040	.0049	.0178
#3	<.0000	<.0000	<.0000	<.0000	.0026	.0022	.0209
#4	<.0000	<.0000	<.0000	<.0000	.0011	.0012	.0163

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0045	.0034 ✓	.0031	.0040	.0060 ✓	<.0000	<.0000
SDev	.0034	.0047	.0050	.0050	.0038	.3678	.0080
%RSD	74.30	138.6	158.6	123.3	63.73	13.12	37.36

#1	.0092	.0097	.0102	.0114	.0113	<.0000	<.0000
#2	.0047	.0030	.0023	.0026	.0042	<.0000	<.0000
#3	.0022	.0025	.0013	.0018	.0058	<.0000	<.0000
#4	.0020	<.0000	<.0000	.0004	.0026	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0044	.0381 ✓	<.0000	.0068	<.0000	.0117	.0092
SDev	.0046	.0079	.0189	.0070	.0097	.0095	.0058
%RSD	105.6	20.66	31.02	103.5	144.0	80.89	62.51

#1	.0109	.0489	<.0000	.0135	.0067	.0234	.0104
#2	.0045	.0372	<.0000	.0120	<.0000	.0001	.0150
#3	.0017	.0362	<.0000	<.0000	<.0000	.0117	.0012
#4	.0005	.0301	<.0000	.0018	<.0000	.0117	.0104

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0002	.0042
SDev	.0055	.0119	.0042	.0044
%RSD	17.64	366.1	1775.	103.9

#1	<.0000	.0081	.0064	.0105
#2	<.0000	<.0000	<.0000	.0038
#3	<.0000	<.0000	<.0000	.0022
#4	<.0000	.0052	<.0000	.0004