

5/16/02 IT

NYC samples

BIK

10130

~~10283~~

2STD

IPC+CB

~~10284~~

IPC+CB

BIK

~~10285~~

LFB+LRB

2STD

~~IPC+CB~~

9968 + Lab Dup + sk

IPC+CB

9969

LFB+LRB

9970

10034 + Dup + sk

9971

10035

9972

10043

9973

10044

10019

10045

10020

10046

10021

10047

10023

10048

IPC+CB

10051

10024

10049

10025 + Lab Dup + sk

IPC+CB

10061

10052

10062

10053 Na ↑ 1 → 5

10063

10193 + Lab Dup + sk

10064

10184

10065

10185

10066

10281

10067

10280

Reviewed by
CB 7/13/02

perun
elevated
AL

Standardization Rpt.

05/16/02 10:23:11 AM

page 1

Method: NYC Standard: STD1-Blank

Run Time: 05/16/02 10:21:29

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	5.761	5.548	6.713	.0075	2.151	.9680
SDev	.017	.022	.026	.0041	.007	.0071
%RSD	.2980	.3905	.3881	54.97	.3254	.7353
#1	5.764	5.532	6.728	.0040	2.144	.9680
#2	5.770	5.580	6.742	.0120	2.154	.9720
#3	5.736	5.540	6.690	.0040	2.148	.9580
#4	5.774	5.540	6.692	.0100	2.160	.9740

Standardization Rpt.

05/16/02 10:26:56 AM

page

Method: NYCW Standard: STD3
Run Time: 05/16/02 10:25:14

Elem	Al3082	Fe2599	Mo2020
Avge	28.58	24.60	41.56
SDev	.14	.13	.47
%RSD	.4849	.5260	1.128

#1	28.40	24.44	40.94
#2	28.57	24.65	41.49
#3	28.62	24.58	41.76
#4	28.73	24.74	42.04

Standardization Rpt.

05/16/02 10:28:50 AM

page

Method: NYCW Standard: STD2
Run Time: 05/16/02 10:27:28

Elem	Ca3179	Co2286	Mg2790
Avge	127.3	301.6	11.30
SDev	.3	.7	.02
%RSD	.2295	.2156	.1337

#1	127.3	301.2	11.29
#2	127.7	302.6	11.32
#3	127.3	301.5	11.28
#4	127.0	301.3	11.29

Method: NYCW Sample Name: ipc
Run Time: 05/16/02 10:29:22
Comment:
Mode: CUNC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.9798	1.037	1.026	.9992	1.006	1.035
SDev	.0067	.004	.001	.0054	.014	.015
%RSD	.6831	.3514	.1325	.5439	1.380	1.470
#1	.9827	1.041	1.028	.9976	1.020	1.016
#2	.9748	1.039	1.026	.9935	1.006	1.032
#3	.9880	1.032	1.025	.9992	.9867	1.039
#4	.9739	1.037	1.027	1.007	1.011	1.052

Standardization Rpt

05/16/02 10:28:50 AM

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Analysis Report

05/16/02 10:34:58 AM

page 1

Method: NYCW Sample Name: cb

Operator: it

Run Time: 05/16/02 10:33:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	<.0000	<.0000	<.0000	.0002	<.0000	.0131
SDev	.0088	.0021	.0014	.0011	.0129	.0015
%RSD	34.43	38.04	47.32	539.6	42.82	11.28

#1	<.0000	<.0000	<.0000	.0010	<.0000	.0109
#2	<.0000	<.0000	<.0000	.0002	<.0000	.0138
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0138
#4	<.0000	<.0000	<.0000	.0010	<.0000	.0138

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Analysis Report

05/16/02 10:34:58 AM

page 1

Method: NYCW Sample Name: cb

Operator: it

Run Time: 05/16/02 10:33:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	<.0000	<.0000	<.0000	.0002	<.0000	.0131
SDev	.0088	.0021	.0014	.0011	.0129	.0015
%RSD	34.43	38.04	47.32	539.6	42.82	11.28
#1	<.0000	<.0000	<.0000	.0010	<.0000	.0109
#2	<.0000	<.0000	<.0000	.0002	<.0000	.0138
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0138
#4	<.0000	<.0000	<.0000	.0010	<.0000	.0138

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Analysis Report

05/16/02 10:44:05 AM

page 1

Method: NYCW Sample Name: lfp

Run Time: 05/16/02 10:42:14

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.2553	.0223	.1062	.2555	.0147	.0897
SDev	.0130	.0008	.0015	.0038	.0108	.0016
%RSD	5.078	3.456	1.453	1.501	73.40	1.764
#1	.2693	.0220	.1077	.2545	.0283	.0886
#2	.2492	.0225	.1042	.2521	.0021	.0881
#3	.2404	.0215	.1061	.2545	.0152	.0911
#4	.2623	.0233	.1071	.2610	.0130	.0910

Analysis Report

05/16/02 10:46:42 AM

page 1

Method: NYCW Sample Name: lrb

Operator: it

Run Time: 05/16/02 10:44:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0053	.0010	.0007	.0018	<.0000	<.0000
SDev	.0116	.0016	.0007	.0014	.0146	.0010
%RSD	220.4	159.6	105.7	75.91	667.8	11.78

#1	<.0000	<.0000	.0002	.0033	<.0000	<.0000
#2	.0033	.0009	<.0000	.0024	<.0000	<.0000
#3	.0208	.0031	.0013	.0016	.0197	<.0000
#4	.0042	.0005	.0013	.0000	<.0000	<.0000

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Analysis Report

05/16/02 11:05:00 AM

page 1

Method: NYCW Sample Name: 9968

Run Time: 05/16/02 11:03:17

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0176	6.317	.0008	.0252	1.446	<.0000
SDev	.0071	.019	.0014	.0010	.003	.0017
%RSD	40.16	.3006	170.7	4.046	.1901	13.07
#1	.0182	6.324	.0024	.0250	1.443	<.0000
#2	.0200	6.321	<.0000	.0250	1.445	<.0000
#3	.0077	6.333	<.0000	.0267	1.449	<.0000
#4	.0244	6.289	.0014	.0242	1.445	<.0000

Analysis Report

05/16/02 11:07:35 AM

page 1

Method: NYCW Sample Name: 9968lab dup Operator: it
 Run Time: 05/16/02 11:05:53
 Comment:
 Mode: CUNC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0237	6.311	.0015	.0250	1.453	<.0000
SDev	.0076	.013	.0010	.0028	.008	.0018
%RSD	31.97	.2016	69.96	11.25	.5672	16.78
#1	.0340	6.316	.0030	.0242	1.465	<.0000
#2	.0244	6.318	.0011	.0291	1.452	<.0000
#3	.0165	6.292	.0008	.0242	1.445	<.0000
#4	.0200	6.317	.0010	.0226	1.452	<.0000

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Analysis Report

05/16/02 11:14:49 AM

page 1

Method: NYCW Sample Name: 9968spk

Operator: it

Run Time: 05/16/02 11:13:07

Comment:

Mode: CONC Corr. Factor: 1



Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.2712	6.261	.1091	.2857	1.434	.0886
SDev	.0081	.028	.0019	.0028	.021	.0005
%RSD	3.005	.4545	1.741	.9694	1.453	.5350
#1	.2738	6.291	.1109	.2893	1.465	.0890
#2	.2808	6.278	.1092	.2861	1.425	.0880
#3	.2615	6.229	.1064	.2828	1.421	.0885
#4	.2685	6.246	.1098	.2844	1.423	.0890

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Analysis Report

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Method: NYCW Sample Name: 9969

Run Time: 05/16/02 11:15:27

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0079	6.232	<.0000	.0281	1.420	<.0000
SDev	.0091	.026	.0015	.0008	.004	.0028
%RSD	114.9	.4100	2732.	2.759	.2663	29.07
#1	.0051	6.203	<.0000	.0275	1.419	<.0000
#2	.0200	6.254	.0021	.0291	1.425	<.0000
#3	<.0000	6.218	<.0000	.0275	1.419	<.0000
#4	.0086	6.252	<.0000	.0283	1.417	<.0000

Analysis Report

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page 1

Method: NYCW Sample Name: 9970

Operator: it

Run Time: 05/16/02 11:17:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0180	9.173	.0005	.0395	2.511	<.0000
SDev	.0059	.019	.0008	.0017	.008	.0024
%RSD	32.79	.2103	164.7	4.284	.3015	22.03
#1	.0143	9.197	<.0000	.0416	2.500	<.0000
#2	.0126	9.171	.0001	.0399	2.517	<.0000
#3	.0196	9.174	.0010	.0391	2.513	<.0000
#4	.0257	9.150	.0012	.0375	2.513	<.0000

Analysis Report

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page 1

Method: NYCW Sample Name: 9971

Run Time: 05/16/02 11:19:12

Comment:

Mode: CONC Corr. Factor: 1

✓ Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0102	10.25	.0008	.0338	2.915	<.0000
SDev	.0122	.03	.0008	.0014	.017	.0005
%RSD	119.7	.3315	94.03	4.086	.5942	3.662
#1	.0037	10.20	.0001	.0324	2.910	<.0000
#2	.0264	10.28	.0020	.0356	2.941	<.0000
#3	<.0000	10.26	.0005	.0332	2.906	<.0000
#4	.0124	10.24	.0007	.0340	2.904	<.0000

Analysis Report

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Method: NYCW Sample Name: 9972

Operator: it

Run Time: 05/16/02 11:21:02

Comment:

Mode: CONC Corr. Factor: 1



Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0040	6.475	<.0000	.0362	1.406	<.0000
SDev	.0076	.012	.0010	.0010	.005	.0015
%RSD	189.6	.1788	127.8	2.828	.3883	11.11
#1	<.0000	6.476	<.0000	.0348	1.412	<.0000
#2	.0033	6.491	<.0000	.0364	1.408	<.0000
#3	.0130	6.463	.0003	.0364	1.399	<.0000
#4	.0051	6.471	<.0000	.0372	1.406	<.0000

Analysis Report

05/16/02 11:46:03 AM

page 1

Method: NYCW Sample Name: ipc

Operator: it

Run Time: 05/16/02 11:44:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.9961	1.048	1.030	1.007	1.032	.9609
SDev	.0110	.002	.007	.009	.017	.0216
%RSD	1.105	.2184	.6546	.8782	1.678	2.250
#1	.9908	1.046	1.026	1.001	1.028	.9324
#2	1.001	1.051	1.037	1.020	1.032	.9577
#3	1.009	1.046	1.034	1.006	1.054	.9705
#4	.9837	1.048	1.023	1.001	1.013	.9829

Analysis Report

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Method: NYCW Sample Name: cp

Operator: it

Run Time: 05/16/02 11:48:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0024	.0014	.0011	.0004	.0033	.0048
SDev	.0017	.0025	.0021	.0014	.0211	.0098
%RSD	68.79	181.8	189.5	342.5	638.5	202.8

#1	.0027	.0041	.0039	.0010	.0088	.0173
#2	.0035	.0011	.0016	.0002	.0309	.0079
#3	.0035	<.0000	<.0000	.0018	<.0000	<.0000
#4	.0000	.0021	<.0000	<.0000	<.0000	<.0000

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Analysis Report

05/16/02 12:56:19 PM

page 1

Method: NYCW Sample Name: 10024

Run Time: 05/16/02 12:54:36

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	<.0000	6.194	<.0000	.0204	1.436	<.0000
SDev	.0061	.033	.0015	.0018	.010	.0016
%RSD	1053.	.5268	98.81	8.640	.7026	4.168
#1	<.0000	6.239	<.0000	.0188	1.431	<.0000
#2	.0036	6.186	<.0000	.0204	1.447	<.0000
#3	.0045	6.192	<.0000	.0196	1.442	<.0000
#4	<.0000	6.161	<.0000	.0228	1.425	<.0000

Analysis Report

05/16/02 12:59:38 PM

page 1

Method: NYCW Sample Name: 10025

Run Time: 05/16/02 12:57:56

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	<.0000	26.26	<.0000	.0335	8.967	<.0000
SDev	.0050	.06	.0006	.0021	.027	.0011
%RSD	26.58	.2376	22.36	6.297	.2962	2.654
#1	<.0000	26.26	<.0000	.0327	8.966	<.0000
#2	<.0000	26.34	<.0000	.0310	8.997	<.0000
#3	<.0000	26.19	<.0000	.0343	8.933	<.0000
#4	<.0000	26.25	<.0000	.0359	8.974	<.0000

Method: NYCW Sample Name: 10025lab dup

Operator: it

Run Time: 05/16/02 13:00:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	<.0000	26.07	<.0000	.0333	8.916	<.0000
SDev	.0062	.05	.0008	.0008	.023	.0010
%RSD	34.44	.2024	18.87	2.363	.2560	2.467
#1	<.0000	26.05	<.0000	.0335	8.904	<.0000
#2	<.0000	26.10	<.0000	.0327	8.906	<.0000
#3	<.0000	26.12	<.0000	.0327	8.950	<.0000
#4	<.0000	26.00	<.0000	.0343	8.904	<.0000

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Analysis Report

05/16/02 01:15:04 PM

page 1

Method: NYCW Sample Name: 10025spk

Operator: it

Run Time: 05/16/02 13:13:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.2405	25.45	.1048	.2908	8.688	.0966
SDev	.0152	.07	.0011	.0029	.030	.0050
%RSD	6.309	.2572	1.062	1.001	.3437	5.147
#1	.2606	25.43	.1052	.2914	8.684	.0943
#2	.2288	25.37	.1035	.2865	8.656	.0908
#3	.2288	25.47	.1043	.2922	8.728	.0997
#4	.2438	25.52	.1061	.2930	8.684	.1017

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Analysis Report

05/16/02 01:17:58 PM

page 1

Method: NYCW Sample Name: 10061

Run Time: 05/16/02 13:16:14

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mn2020
Avge	.0034	6.265	.0014	.0267	1.432	.0034
SDev	.0056	.026	.0016	.0027	.008	.0018
%RSD	165.0	.4092	113.4	10.06	.5809	54.27
#1	.0087	6.244	.0024	.0236	1.434	.0046
#2	.0069	6.300	.0027	.0293	1.443	.0051
#3	.0016	6.267	<.0000	.0285	1.430	.0011
#4	<.0000	6.249	.0013	.0253	1.423	.0026

Standardization Rpt

05/16/02 10:22:50 AM

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Analysis Report

05/16/02 01:20:25 PM

page 1

Method: NYCW Sample Name: 10062

Operator: it

Run Time: 05/16/02 13:18:42

Comment:

Mode: CONC Corr. Factor: 1



Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0096	6.351	.0010	.0269	1.425	.0010
SDev	.0060	.039	.0003	.0020	.009	.0017
%RSD	62.65	.6172	30.69	7.393	.6562	166.4
#1	.0025	6.364	.0008	.0269	1.432	.0016
#2	.0158	6.343	.0007	.0269	1.414	<.0000
#3	.0131	6.396	.0013	.0293	1.434	.0026
#4	.0069	6.303	.0012	.0244	1.421	.0011

Analysis Report

05/16/02 01:23:01 PM

page 1

Method: NYCW Sample Name: 10063

Operator: it

Run Time: 05/16/02 13:21:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	<.0000	6.359	<.0000	.0602	1.439	<.0000
SDev	.0075	.012	.0016	.0016	.010	.0018
%RSD	68.27	.1879	597.7	2.700	.7189	256.5
#1	<.0000	6.346	.0006	.0627	1.445	<.0000
#2	<.0000	6.359	<.0000	.0594	1.430	<.0000
#3	<.0000	6.358	<.0000	.0594	1.430	.0016
#4	<.0000	6.375	.0014	.0594	1.450	<.0000

Analysis Report

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Method: NYCW Sample Name: 10064

Run Time: 05/16/02 13:23:55

Operator: it

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mn2020
Avge	.0086	6.533	<.0000	.0752	1.435	.0000
SDev	.0116	.020	.0008	.0053	.017	.0011
%RSD	134.4	.3085	157.9	7.080	1.186	6510.
#1	.0095	6.503	<.0000	.0740	1.419	<.0000
#2	<.0000	6.536	<.0000	.0732	1.434	<.0000
#3	.0246	6.545	<.0000	.0830	1.458	.0016
#4	.0025	6.546	.0006	.0708	1.427	<.0000

Analysis Report

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page 1

Method: NYCW Sample Name: 10065

Run Time: 05/16/02 13:28:14

Comment:

Mode: CONC Corr. Factor: 1

✓ Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mn2020
Avge	.0104	6.514	.0012	.0285	1.434	.0009
SDev	.0052	.021	.0011	.0026	.010	.0025
%RSD	49.90	.3262	94.01	9.032	.7036	282.5
#1	.0175	6.513	.0002	.0252	1.445	<.0000
#2	.0104	6.517	.0009	.0277	1.421	.0046
#3	.0051	6.539	.0009	.0309	1.432	.0001
#4	.0087	6.487	.0029	.0301	1.436	<.0000

Analysis Report

05/16/02 01:33:06 PM

page 1

Method: NYCW Sample Name: 10066

Run Time: 05/16/02 13:31:24

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avg	.0091	6.547	.0006	.0454	1.431	.0004
SDev	.0047	.035	.0013	.0008	.007	.0016
%RSD	51.16	.5361	227.9	1.722	.4622	419.0
#1	.0087	6.571	.0003	.0456	1.436	.0026
#2	.0157	6.495	.0003	.0464	1.427	.0001
#3	.0051	6.556	<.0000	.0447	1.423	.0001
#4	.0069	6.567	.0023	.0447	1.436	<.0000

Analysis Report

05/16/02 01:35:23 PM

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Method: NYCW Sample Name: 10067

Run Time: 05/16/02 13:33:41

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0003	7.734	.0009	.1770	3.452	.0017
SDev	.0072	.042	.0006	.0017	.021	.0012
%RSD	2279.	.5485	71.49	.9518	.6221	67.74
#1	.0074	7.736	.0010	.1766	3.458	.0030
#2	<.0000	7.675	<.0000	.1750	3.421	.0005
#3	<.0000	7.754	.0012	.1790	3.461	.0025
#4	.0047	7.773	.0014	.1774	3.469	.0010

Analysis Report

05/16/02 01:40:21 PM

page 1

Method: NYCW Sample Name: 10130

Run Time: 05/16/02 13:38:38

Comment:

Mode: CGNC Corr. Factor: 1

Operator: it



Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0067	6.324	.0014	.0242	1.454	.0025
SDev	.0084	.034	.0012	.0018	.010	.0025
%RSD	124.9	.5303	90.11	7.432	.6549	100.1
#1	<.0000	6.308	.0001	.0261	1.454	.0046
#2	.0069	6.298	.0015	.0236	1.450	.0011
#3	.0016	6.318	.0030	.0220	1.445	<.0000
#4	.0184	6.373	.0009	.0252	1.467	.0046

Analysis Report

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page 1

Method: NYCW Sample Name: ipc

Operator: it

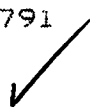
Run Time: 05/16/02 13:41:01

Comment:

Mode: CUNC Corr. Factor: 1



Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.9990	1.052	1.024	.9955	1.028	.9533
SDev	.0111	.007	.007	.0130	.016	.0238
%RSD	1.107	.6372	.7283	1.304	1.542	2.491
#1	.9881	1.060	1.020	.9821	1.013	.9258
#2	1.008	1.045	1.016	.9870	1.018	.9426
#3	.9908	1.056	1.028	1.009	1.049	.9658
#4	1.009	1.049	1.033	1.004	1.031	.9791



Analysis Report

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page 1

Method: NYCW Sample Name: cd

Operator: it

Run Time: 05/16/02 13:45:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Ca3179	Co2286	Fe2599	Mg2790	Mo2020
Avge	.0060	<.0000	.0033	<.0000	.0143	.0101
SDev	.0060	.0009	.0014	.0008	.0079	.0011
%RSD	99.77	69.21	42.45	17770.	55.29	11.29

#1	.0095	<.0000	.0021	.0010	.0127	.0111
#2	<.0000	<.0000	.0053	<.0000	.0105	.0111
#3	.0077	<.0000	.0030	.0002	.0259	.0091
#4	.0095	<.0000	.0026	<.0000	.0083	.0091

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